



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

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**2026 ASPHALT OVERLAY**

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**PROJECT # 12526**

***City of Federal Way  
PUBLIC WORKS  
33325 8th Avenue South  
Federal Way, WA 98003***

**BID AND CONTRACT DOCUMENTS AND SPECIFICATIONS  
FOR  
2026 ASPHALT OVERLAY**  
**PROJECT # 12526**

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Bids Accepted Until 10:00 a.m., January 26, 2026 at  
City of Federal Way  
33325 8th Avenue South  
Federal Way, WA 98003

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*31-Dec-2025*

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

*Public Works Director / Deputy Public Works Director*

**CITY OF FEDERAL WAY**

**\*\*\*UNOFFICIAL COPY\*\*\*** Official bid documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025 is available on BXWA.com

**2026 ASPHALT OVERLAY  
PROJECT #12526 / RFB #26-001**

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### SPECIAL PROVISIONS

APX A: STANDARD PLANS AND DETAILS

APX B: PREVAILING WAGES AND BENEFIT CODE KEY

PROJECT PLANS (BOUND SEPARATELY)

CITY OF FEDERAL WAY

2026 ASPHALT OVERLAY  
PROJECT #12526 / RFB #26-001  
\*\*\*UNOFFICIAL COPY\*\*\* Official bid documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-09-07 available on BXWA.com

## **ADVERTISEMENT FOR BIDS** **2026 ASPHALT OVERLAY**

**SUBMITTAL OF SEALED BIDS:** Notice is hereby given that the City of Federal Way will receive sealed bids through January 26, 2026, at 10:00 (TIME) A.M. at the City Hall Finance Department at 33325 8th Avenue South, Federal Way, Washington 98003. Proposals received after said date and time will not be considered. All timely bids will be opened and read publicly aloud in Mirror Lake Conference Room at City Hall 33325 8th Avenue South, Federal Way, Washington 98003 promptly after collecting all bids on January 27, 2026.

This project shall consist of: Furnishing all materials, equipment, tools, labor, and other work or items incidental thereto (excepting any materials, equipment, utilities, or service, if any, specified herein to be furnished by the Owner or others), for the construction, sequencing, and traffic control plan for overlaying existing asphalt concrete pavement in seven (7) different locations within the City of Federal Way. The work shall include but is not limited to Hot Mix Asphalt (HMA Cl. ½" PG 58H-22) pavement overlay, roadway excavation, planing bituminous pavement, pavement repair, removal and replacement of curb and gutter, sidewalk, curb ramps, traffic curb, repairing or re-aligning manholes and catch basins, channelization, restoration, utility adjustments, and all items necessary to complete the work as described in the Contract Documents.

The City anticipates awarding this project to the successful bidder and intends to give Notice to Proceed as soon as the Contract and all required documents are executed in full. Regardless of the date of award or Notice to Proceed, the Contractor must complete all work within 100 working days.

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

**QUESTIONS:** Any questions must be directed to Jonathan Strong, Civil Engineer, by email at [jonathan.strong@federalwaywa.gov](mailto:jonathan.strong@federalwaywa.gov), or by letter addressed to same. Questions must be received by the City no later than 5:00 p.m. three business days preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of bids.

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

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

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

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

**DATES OF PUBLICATION:**

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**  
**PROJECT #12526 / RFB #26-001**

**\*\*\*UNOFFICIAL COPY\*\*\*** Official bid documents, plan holders list, and addenda (if applicable) are available on BXWA.com  
CFW RFB VERSION 2025-09-07

Daily Journal of Commerce  
Federal Way Mirror

Publish January 5, 2026 and January 12, 2026  
Publish January 5, 2026 and January 12, 2026

**CITY OF FEDERAL WAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB 2** Official bid documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-01-05 **2026 ASPHALT OVERLAY  
PROJECT #12526 / RFB #26-001** available on BXWA.com

## **INSTRUCTIONS TO BIDDERS & CHECKLISTS**

### **(1) ADVERTISEMENT FOR BIDS AND CONTRACT DOCUMENTS**

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

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

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

### **(3) INTERPRETATION OF BID AND CONTRACT DOCUMENTS**

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

### **(4) BID PRICE**

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

### **(5) POSTPONEMENT OF BID OPENING**

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

### **(6) REJECTION OF BIDS**

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

### **(7) RECYCLED PRODUCTS**

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

**(8) BIDDER'S CHECKLIST**

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

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

**(9) CONTRACT CHECKLIST**

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

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

## **BID PROPOSAL** **2026 ASPHALT OVERLAY**

**PROPOSAL SUBMITTED TO:**

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

**PROPOSAL SUBMITTED BY:**

Bidder: \_\_\_\_\_  
*Full Legal Name of Firm*

Contact: \_\_\_\_\_  
*Individual with Legal Authority to sign Bid and Contract*

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

\_\_\_\_\_  
*City, State Zip*

Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_

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

State Contractor's License No.: \_\_\_\_\_

State Contractor's License Expiration Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
*Month Day Year*

State UBI No.: \_\_\_\_\_

Employment Security Department No.: \_\_\_\_\_

Labor and Industries Department Account, ID No.: \_\_\_\_\_

**CITY OF FEDERAL WAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB 5** Official bid documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-08-27 Available on BXWA.com

**2026 ASPHALT OVERLAY**

**PROJECT #12526 / RFB #26-001**

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

<b>CAMPUS HIGHLANDS NORTH</b> <i>All unit prices shall include applicable sales tax (Roadway Improvements)</i>						
<b>Item No.</b>	<b>Spec. Div.</b>	<b>Bid Item Description</b>	<b>Unit</b>	<b>Plan Qty</b>	<b>Unit Price</b>	<b>Amount</b>
1	1-04	MINOR CHANGE	FA	1	\$5,000.00	\$5,000.00
2	1-05	ADA FEATURES SURVEYING	LS	1		
3	1-05	ROADWAY SURVEYING	LS	1		
4	1-06	MATERIAL TESTING	LS	1		
5	1-07	SPCC PLAN	LS	1		
6	1-09	MOBILIZATION	LS	1		
7	1-10	TRAFFIC CONTROL SUPERVISOR	LS	1		
8	1-10	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	LS	1		
9	1-10	FLAGGERS	HR	650		
10	1-10	OTHER TRAFFIC CONTROL LABOR	HR	50		
11	1-10	PORTABLE CHANGING MESSAGE SIGN	HR	110		
12	1-10	WORK ZONE SAFETY CONTINGENCY	FA	1	\$3,000.00	\$3,000.00
13	2-01	ROADSIDE CLEANUP	FA	1	\$3,000.00	\$3,000.00
14	2-02	ASPHALT/CEMENT CONCRETE SAWCUTTING	LF	1300		
15	2-03	ROADWAY EXCAVATION INCL. HAUL	CY	160		
16	5-04	CRUSHED SURFACING TOP COURSE	TN	4		
17	5-04	PAVEMENT REPAIR EXCAVATION INCL HAUL	CY	140		

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**  
**PROJECT #12526 / RFB #26-001**  
**\*\*\*UNOFFICIAL COPY\*\*\* RFB 6**  
 Official bid documents, plan holder's list, and addenda (if applicable)  
 CFW RFB VERSION 2025-09-27 Available on BXWA.com

18	5-04	PLANING BITUMINOUS PAVEMENT	SY	11000		
19	5-04	HMA CL. 1/2" PG 58H-22	TN	1800		
20	5-04	HMA CL. 1/2" PG 58H-22 FOR PAVEMENT REPAIR	TN	260		
21	5-04	REMOVE AND REPLACE HMA SPEED HUMP, COMPLETE	EA	2		
22	7-05	ADJUST MANHOLE	EA	4		
23	7-05	ADJUST SANITARY SEWER MANHOLE	EA	13		
24	7-05	ADJUST LUD WATER VALVE	EA	8		
25	8-01	EROSION/WATER POLLUTION CONTROL	LS	1		
26	8-01	INLET PROTECTION INSERT	EA	35		
27	8-02	SOD INSTALLATION	SY	100		
28	8-02	TOPSOIL TYPE 3-WAY MIX	SY	20		
29	8-02	PROPERTY RESTORATION	FA	1	\$3,000.00	\$3,000.00
30	8-04	CEMENT CONC. CURB & GUTTER	LF	550		
31	8-04	CEMENT CONC. PEDESTRIAN CURB	LF	500		
32	8-09	RAISED PAVEMENT MARKER, TYPE 2	HUN	0.1		
33	8-13	ADJUST MONUMENT CASE AND COVER	EA	20		
34	8-14	CEMENT CONC. SIDEWALK	SY	90		
35	8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL A	EA	21		
36	8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL B	EA	1		
<b>CAMPUS HIGHLANDS NORTH TOTAL</b>						

**CAMPUS HIGHLANDS SOUTH**

*All unit prices shall include applicable sales tax (Roadway Improvements)*

Item No.	Spec. Div.	Bid Item Description	Unit	Plan Qty	Unit Price	Amount
1	1-04	MINOR CHANGE	FA	1	\$5,000.00	\$5,000.00
2	1-05	ADA FEATURES SURVEYING	LS	1		
3	1-05	ROADWAY SURVEYING	LS	1		
4	1-06	MATERIAL TESTING	LS	1		
5	1-07	SPCC PLAN	LS	1		
6	1-09	MOBILIZATION	LS	1		
7	1-10	TRAFFIC CONTROL SUPERVISOR	LS	1		
8	1-10	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	LS	1		
9	1-10	FLAGGERS	HR	700		
10	1-10	OTHER TRAFFIC CONTROL LABOR	HR	60		
11	1-10	PORTABLE CHANGING MESSAGE SIGN	HR	110		
12	1-10	WORK ZONE SAFETY CONTINGENCY	FA	1	\$6,850.00	\$6,850.00
13	2-01	ROADSIDE CLEANUP	FA	1	\$3,000.00	\$3,000.00
14	2-02	ASPHALT/CEMENT CONCRETE SAWCUTTING	LF	1900		
15	2-03	ROADWAY EXCAVATION INCL. HAUL	CY	240		
16	5-04	CRUSHED SURFACING TOP COURSE	TN	6		
17	5-04	PAVEMENT REPAIR EXCAVATION INCL HAUL	CY	110		
18	5-04	PLANING BITUMINOUS PAVEMENT	SY	8700		
19	5-04	HMA CL. 1/2" PG 58H-22	TN	1600		
20	5-04	HMA CL. 1/2" PG 58H-22 FOR PAVEMENT REPAIR	TN	220		

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB #8** Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com  
CFW RFB VERSION 2025-09-27

21	5-04	REMOVE AND REPLACE HMA SPEED HUMP, COMPLETE	EA	2		
22	7-05	ADJUST MANHOLE	EA	9		
23	7-05	ADJUST SANITARY SEWER MANHOLE	EA	20		
24	7-05	ADJUST LUD WATER VALVE	EA	11		
25	8-01	EROSION/WATER POLLUTION CONTROL	LS	1		
26	8-01	INLET PROTECTION INSERT	EA	28		
27	8-02	SOD INSTALLATION	SY	150		
28	8-02	TOPSOIL TYPE 3-WAY MIX	SY	30		
29	8-02	PROPERTY RESTORATION	FA	1	\$3,000.00	\$3,000.00
30	8-04	CEMENT CONC. CURB & GUTTER	LF	800		
31	8-04	CEMENT CONC. PEDESTRIAN CURB	LF	750		
32	8-09	RAISED PAVEMENT MARKER, TYPE 2	HUN	0.1		
33	8-13	ADJUST MONUMENT CASE AND COVER	EA	25		
34	8-14	CEMENT CONC. SIDEWALK	SY	130		
35	8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL A	EA	34		
36	8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL B	EA	1		
37	8-22	PAINT SHARED LANE MARKING	EA	8		
38	8-22	PLASTIC CROSSWALK SYMBOL	SF	250		
<b>CAMPUS HIGHLANDS SOUTH TOTAL</b>						

**12<sup>TH</sup> AVE SW**

*All unit prices shall include applicable sales tax (Roadway Improvements)*

<b>Item No.</b>	<b>Spec. Div.</b>	<b>Bid Item Description</b>	<b>Unit</b>	<b>Plan Qty</b>	<b>Unit Price</b>	<b>Amount</b>
1		MINOR CHANGE	FA	1	\$5,000.00	\$5,000.00
2		ADA FEATURES SURVEYING	LS	1		
3		ROADWAY SURVEYING	LS	1		
4		MATERIAL TESTING	LS	1		
5		SPCC PLAN	LS	1		
6		MOBILIZATION	LS	1		
7		TRAFFIC CONTROL SUPERVISOR	LS	1		
8		FLAGGERS	HR	450		
9		OTHER TRAFFIC CONTROL LABOR	HR	30		
10		PORTABLE CHANGEABLE MESSAGE SIGN	HR	140		
11		OTHER TEMPORARY TRAFFIC CONTROL DEVICES	LS	1		
12		WORK ZONE SAFETY CONTINGENCY	FA	1	\$2,000.00	\$2,000.00
13		ROADSIDE CLEANUP	FA	1	\$2,000.00	\$2,000.00
14		REMOVE EXISTING CATCH BASIN	EA	1		
15		SAWCUTTING	LF	2,500		
16		ROADWAY EXCAVATION INCL. HAUL	CY	250		
17		CRUSHED SURFACING TOP COURSE	TN	6		
18		HMA CL. 1/2" PG 58H22	TN	1,600		
19		HMA FOR PAVEMENT REPAIR CL.1/2" PG 58H-22	TN	30		
20		PAVEMENT REPAIR EXCAVATION INCL. HAUL	CY	20		

21	PLANING BITUMINOUS PAVEMENT	SY	11,500		
22	REMOVE AND REPLACE HMA SPEED HUMP, COMPLETE	EA	3		
23	REMOVE AND REPLACE RAISED CROSSWALK, COMPLETE	EA	1		
24	DUCTILE IRON STORM SEWER PIPE 12 IN. DIAM	LF	100		
25	NON-SLIP MMA COATING FOR LIDS	LS	1		
26	CATCH BASIN TYPE 1	EA	5		
27	ADJUST WATER VALVE TO GRADE	EA	9		
28	ADJUST SANITARY SEWER MANHOLE	EA	4		
29	EROSION CONTROL AND WATER POLLUTION PREVENTION	LS	1		
30	TOPSOIL TYPE 3-WAY MIX	SY	140		
31	SEEDED LAWN INSTALLATION	SY	60		
32	BARK OR WOOD CHIP MULCH	SY	85		
33	PROPERTY RESTORATION	FA	1	\$6,000.00	\$6,000.00
34	CEMENT CONC. TRAFFIC CURB AND GUTTER	LF	1,200		
35	CEMENT CONC. PEDESTRIAN CURB	LF	1,000		
36	RAISED PAVEMENT MARKER TYPE 2	HUN	4.0		
37	MONUMENT CASE AND COVER	EA	1		
38	ADJUST MONUMENT CASE AND COVER	EA	10		
39	CEMENT CONC. CURB RAMP TYPE A PARALLEL	EA	30		
40	CEMENT CONC. CURB RAMP TYPE B PARALLEL	EA	1		
41	CEMENT CONC. SIDEWALK	SY	150		
42	DETECTABLE WARNING SURFACE	SF	55		

43	BLACK DETECTABLE WARNING SURFACE	SF	35		
44	PERMANENT SIGNING	LS	1		
45	PAINT LINE	LF	5500		
46	PLASTIC STOP LINE	LF	50		
47	PLASTIC CROSSWALK LINE	SF	300		
48	PAINTED BICYCLE LANE SYMBOL	EA	7		
49	TEMPORARY PAVEMENT MARKING - SHORT DURATION	LF	5500		
50	TEMPORARY MISC. PAVEMENT MARKING - SHORT DURATION	EA	7		
51	TEMPORARY STOP LINE - SHORT DURATION	LF	50		
52	TEMPORARY CROSSWALK LINE - SHORT DURATION	SF	300		
<b>12<sup>TH</sup> AVE SW TOTAL</b>					

### 13<sup>TH</sup> WAY SW

*All unit prices shall include applicable sales tax (Roadway Improvements)*

Item No.	Spec. Div.	Bid Item Description	Unit	Plan Qty	Unit Price	Amount
1		MINOR CHANGE	FA	1	\$5,000.00	\$5,000.00
2		ADA FEATURES SURVEYING	LS	1		
3		ROADWAY SURVEYING	LS	1		
4		MATERIAL TESTING	LS	1		
5		SPCC PLAN	LS	1		
6		MOBILIZATION	LS	1		

7	TRAFFIC CONTROL SUPERVISOR	LS	1		
8	FLAGGERS	HR	400		
9	OTHER TRAFFIC CONTROL LABOR	HR	25		
10	PORTABLE CHANGEABLE MESSAGE SIGN	HR	120		
11	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	LS	1		
12	WORK ZONE SAFETY CONTINGENCY	FA	1	\$2,000.00	\$2,000.00
13	ROADSIDE CLEANUP	FA	1	\$1,500.00	\$1,500.00
14	SAWCUTTING	LF	1,800		
15	ROADWAY EXCAVATION INCL. HAUL	CY	200		
16	CRUSHED SURFACING TOP COURSE	TN	5		
17	HMA CL. 1/2" PG 58H22	TN	1,400		
18	HMA FOR PAVEMENT REPAIR CL.1/2" PG 58H-22	TN	30		
19	PAVEMENT REPAIR EXCAVATION INCL. HAUL	CY	20		
20	PLANING BITUMINOUS PAVEMENT	SY	10,000		
21	REMOVE AND REPLACE HMA SPEED HUMP, COMPLETE	EA	1		
22	ADJUST MANHOLE	EA	2		
23	ADJUST WATER VALVE TO GRADE	EA	6		
24	ADJUST SANITARY SEWER MANHOLE	EA	9		
25	EROSION CONTROL AND WATER POLLUTION PREVENTION	LS	1		
26	TOPSOIL TYPE 3-WAY MIX	SY	100		
27	SEEDED LAWN INSTALLATION	SY	50		
28	BARK OR WOOD CHIP MULCH	SY	70		

29	PROPERTY RESTORATION	FA	1	\$5,000.00	\$5,000.00
30	CEMENT CONC. TRAFFIC CURB AND GUTTER	LF	900		
31	CEMENT CONC. PEDESTRIAN CURB	LF	800		
32	RAISED PAVEMENT MARKER TYPE 2	HUN	1.0		
33	MONUMENT CASE AND COVER	EA	1		
34	ADJUST MONUMENT CASE AND COVER	EA	8		
35	CEMENT CONC. CURB RAMP TYPE A PARALLEL	EA	23		
36	CEMENT CONC. SIDEWALK	SY	100		
37	DETECTABLE WARNING SURFACE	SF	45		
38	PAINT LINE	LF	4500		
39	PLASTIC STOP LINE	LF	40		
40	PLASTIC CROSSWALK LINE	SF	200		
41	PAINTED BICYCLE LANE SYMBOL	EA	4		
42	TEMPORARY PAVEMENT MARKING - SHORT DURATION	LF	4500		
43	TEMPORARY MISC. PAVEMENT MARKING - SHORT DURATION	EA	4		
44	TEMPORARY STOP LINE - SHORT DURATION	LF	40		
45	TEMPORARY CROSSWALK LINE - SHORT DURATION	SF	200		
<b>13<sup>TH</sup> WAY SW TOTAL</b>					

**18<sup>TH</sup> AVE S**

*All unit prices shall include applicable sales tax (Roadway Improvements)*

<b>Item No.</b>	<b>Spec. Div.</b>	<b>Bid Item Description</b>	<b>Unit</b>	<b>Plan Qty</b>	<b>Unit Price</b>	<b>Amount</b>
1	1-04	MINOR CHANGE	FA	1	\$5,000.00	\$5,000.00
2	1-04	ADA FEATURES SURVEYING	LS	1		
3	1-05	ROADWAY SURVEYING	LS	1		
4	1-06	MATERIAL TESTING	LS	1		
5	1-07	SPCC PLAN	LS	1		
6	1-09	MOBILIZATION	LS	1		
7	1-10	TRAFFIC CONTROL SUPERVISOR	LS	1		
8	1-10	FLAGGERS	HR	300		
9	1-10	OTHER TRAFFIC CONTROL LABOR	HR	30		
10	1-10	PORTABLE CHANGEABLE MESSAGE SIGN	HR	200		
11	1-10	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	LS	1		
12	1-10	WORK ZONE SAFETY CONTINGENCY	FA	1	\$2,700.00	\$2,700.00
13	2-01	ROADSIDE CLEANUP	FA	1	\$2,500.00	\$2,500.00
14	2-02	SAWCUTTING	LF	240		
15	2-03	ROADWAY EXCAVATION INCL. HAUL	CY	28		
16	4-04	CRUSHED SURFACING TOP COURSE	TN	100		
17	5-04	HMA CL.1/2 PG 58H-22	TN	1,000		
18	5-04	HMA FOR PRELEVELING CL.1/2 PG 58H-22	TN	100		
19	5-04	PLANING BITUMINOUS PAVEMENT	SY	10,000		

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB 15** Official bid documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-08-27 Available on BXWA.com

20	5-04	REMOVE AND REPLACE HMA SPEED HUMP, COMPLETE	EA	6		
21	7-05	ADJUST MANHOLE	EA	2		
22	7-12	ADJUST WATER VALVE TO GRADE	EA	6		
23	7-17	ADJUST SANITARY SEWER MANHOLE	EA	8		
24	8-01	EROSION CONTROL AND WATER POLLUTION PREVENTION	LS	1		
25	8-02	SEEDING, FERTILIZING, AND MULCHING	SY	4		
26	8-02	BARK OR WOOD CHIP MULCH	SY	4		
27	8-02	PROPERTY RESTORATION	FA	1	\$2,000.00	\$2,000.00
28	8-04	CEMENT CONC. TRAFFIC CURB AND GUTTER	LF	160		
29	8-04	CEMENT CONC. PEDESTRIAN CURB	LF	80		
30	8-13	MONUMENT CASE AND COVER	EA	2		
31	8-13	ADJUST MONUMENT CASE AND COVER	EA	1		
32	8-14	CEMENT CONC. SIDEWALK	SY	8		
33	8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL	EA	4		
34	8-20	PAINT LINE	LF	88		
35	8-22	PLASTIC STOP LINE	LF	32		
36	8-22	PLASTIC CROSSWALK LINE	SF	60		
37	8-22	PLASTIC TRAFFIC ARROW	EA	1		
38	8-22	PAINTED BICYCLE LANE SYMBOL	EA	33		
39	8-22	REMOVING PAVEMENT MARKINGS	LS	1		
40	8-22	TEMPORARY PAVEMENT MARKING - SHORT DURATION	LF	100		
41	8-23	TEMPORARY MISC. PAVEMENT MARKING - SHORT DURATION	EA	34		

42	8-23	TEMPORARY STOP LINE - SHORT DURATION	LF	32		
43	8-23	TEMPORARY CROSSWALK LINE - SHORT DURATION	SF	60		
44	8-23	RESOLUTION OF UTILITY CONFLICTS	FA	1	\$2,000.00	\$2,000.00
<b>13<sup>TH</sup> WAY SW TOTAL</b>						

<b>KING COUNTY METRO BUS PADS SCHEDULE</b> <i>All unit prices shall include applicable sales tax (Roadway Improvements)</i>						
<b>Item No.</b>	<b>Spec. Div.</b>	<b>Bid Item Description</b>	<b>Unit</b>	<b>Plan Qty</b>	<b>Unit Price</b>	<b>Amount</b>
1		MINOR CHANGE	FA	1	\$5,000.00	\$5,000.00
2		STOP 1 (39th Ave SW & SW 340th St (NB/NS) – Stop ID SC237)	LS	1		
3		STOP 2 (SW 327th St & 26th Ave SW (WB/FS) – Stop ID SC247)	LS	1		
4		STOP 3 (26th Ave SW & SW 325th St (SB/NS) – Stop ID SC248)	LS	1		
5		STOP 4 (21st Ave SW & Dash Point Road (NB/FS) – Stop ID SC260)	LS	1		
6		STOP 5 (21st Ave SW & SW Dash Point Road – (SB/FS) – Stop ID SC261)	LS	1		
7		STOP 6 (SW Dash Point Road & SW 312th St (NB/FS) – Stop ID SC268)	LS	1		
8		STOP 7 (SW Dash Point Road & 12th Ave SW (SB/FS) – Stop ID SC201)	LS	1		
9		STOP 8 (Hoyt Road SW & SW 326th St (NB/NS) – Stop ID SC233)	LS	1		
10		STOP 9 (35th Ave SW & SW 340 PI (SB/NS) – Stop ID SC240)	LS	1		
11		STOP 10 (35th Ave SW & SW 336th St (SB/FS) – Stop ID SC241)	LS	1		
12		STOP 11 (Hoyt Road SW & SW 329th St (NB/NS) – Stop ID SC234)	LS	1		
13		STOP 12 (1st Ave SW & SW 308th St (NB/NS) – Stop ID SC267)	LS	1		

14	STOP 13 (1st Ave SW & SW 308th St (SB/FS) – Stop ID SC266)	LS	1		
15	STOP 14 (SW Dash Point Rd & 8th Ave SW (WB/NS) – Stop ID SC202)	LS	1		
16	STOP 15 (SW 342nd St & 39th Ave SW (WB/NS) – Stop ID SC238)	LS	1		
<b>KING COUNTY METRO PADS TOTAL</b>					

BID SUMMARY	
ITEM	BID AMOUNT
<b>CAMPUS HIGHLANDS NORTH</b>	\$
<b>CAMPUS HIGHLANDS SOUTH</b>	\$
<b>12<sup>TH</sup> AVE SW</b>	\$
<b>13<sup>TH</sup> WAY SW</b>	\$
<b>18<sup>TH</sup> AVE S</b>	\$
<b>KING COUNTY METRO BUS PADS</b>	\$
<b>TOTAL BID AMOUNT</b> <i>(including Washington State sales tax, all other government taxes, assessments and charges)</i>	\$

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

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

#### **NON-COLLUSION AFFIDAVIT**

By signing this proposal, the undersigned acknowledges that the person(s), firm, association, or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this project.

To report rigging activities, call 1-800-424-9071. The U.S. Department of Transportation (USDOT) operates the toll-free hotline Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the hotline to report such activities. The hotline is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB 19** Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com  
CFW RFB VERSION 2025-09-07

## **CONFLICTS OF INTEREST, GRATUITIES, & NON-COMPETITIVE PRACTICES**

By signing this proposal, the undersigned agrees as follows:

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

## **AFFIDAVIT OF ELIGIBILITY**

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

## **CERTIFICATION OF LAWFUL EMPLOYMENT**

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

Receipt of the following Addendums is hereby acknowledged:

Addendum No. \_\_\_\_\_ Date Issued: \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date Issued: \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date Issued: \_\_\_\_\_

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

By: \_\_\_\_\_  
*Signature*

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

\_\_\_\_\_  
*Title*

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY  
PROJECT #12526 / RFB #26-001**  
**\*\*\*UNOFFICIAL COPY\*\*\* RFB 20** Official documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-09-07 Available on BXWA.com

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

*Signature of Notary*

*Printed name of Notary*  
*Notary Public in and for the State of Washington*  
*My commission expires: \_\_\_\_\_*

**BID BOND**  
**2026 ASPHALT OVERLAY**

**OPTION 1: BID BOND DEPOSIT**

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

*Principal – Signature of Authorized Official* \_\_\_\_\_ *Date* \_\_\_\_\_

*Title* \_\_\_\_\_

—OR—

**OPTION 2: BID BOND**

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

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

SIGNED, SEALED AND DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

*Principal – Signature of Authorized Official* \_\_\_\_\_

*Surety – Attorney in Fact  
(Attach Power of Attorney)* \_\_\_\_\_

*Title* \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**  
**PROJECT #12526 / RFB #26-001**  
**\*\*\*UNOFFICIAL COPY\*\*\*** Official documents, plan holder's lot, and addenda (if applicable)  
CFW RFB VERSION 2025 is available on BXWA.com

## **SUBCONTRACTOR LIST**

CITY OF FEDERAL WAY
33325 8TH AVENUE S
FEDERAL WAY, WA 98003-6325

### **Local Agency Subcontractor List**

*Prepared in compliance with RCW 39.30.060 as amended*

#### **To Be Submitted with the Bid Proposal**

Project Name \_\_\_\_\_

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

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

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

Subcontractor Name \_\_\_\_\_

Work to be performed  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subcontractor Name \_\_\_\_\_

Work to be performed  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subcontractor Name \_\_\_\_\_

Work to be performed  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subcontractor Name \_\_\_\_\_

Work to be performed  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subcontractor Name \_\_\_\_\_

Work to be performed  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

DOT Form 271-015A  
Revised 06/2020

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY  
PROJECT #12526 / RFB #26-001**  
**\*\*\*UNOFFICIAL COPY\*\*\* RFB 23** Official documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-09-07 Available on BXWA.com

## **CONTRACTOR WAGE LAW COMPLIANCE CERTIFICATION**

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

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

Bidder Name: \_\_\_\_\_  
*Print Full Legal Name of Firm*

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

Title: \_\_\_\_\_  
*Title of Person Signing Certificate* \_\_\_\_\_ Place: \_\_\_\_\_  
*Print City and State Where Signed*

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

# **PROPOSAL FOR INCORPORATING RECYCLED MATERIALS**



APWA-WA Division 1 Committee

rev. 5/13/2022

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## **Proposal for Incorporating Recycled Materials into the Project**

In compliance with RCW 70A.205.700, the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1)E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

Proposed total percentage: \_\_\_\_\_ percent.

*Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-03.1 of the Special Provisions. Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials actually incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.*

Bidder: \_\_\_\_\_

Signature of Authorized Official: \_\_\_\_\_

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

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## **RETAINAGE OPTION**

### **IDENTIFICATION AND DESCRIPTION**

Project Title: \_\_\_\_\_

RFB No: \_\_\_\_\_

Contractor: \_\_\_\_\_

### **GENERAL REQUIREMENTS**

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

### **BIDDER'S INSTRUCTIONS**

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

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

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Signature

Date

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**  
**PROJECT #12526 / RFB #26-001**  
**\*\*\*UNOFFICIAL COPY\*\*\*** **RFB 26** Official documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-09-27 Available on BXWA.com

# **PUBLIC WORKS CONTRACT**

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

- A. The City desires to retain an independent contractor to furnish all labor and materials necessary to perform work necessary to complete the Project; and
- B. The Contractor has the requisite skill and experience to perform such work.

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

## **1. SERVICES BY CONTRACTOR**

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

## **2. TERM**

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

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

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

## **3. COMPENSATION**

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

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

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY  
PROJECT #12526 / RFB #26-001**  
**\*\*\*UNOFFICIAL COPY\*\*\* RFB 27** Official documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-09-27 Available on BXWA.com

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

#### **4. INDEPENDENT CONTRACTOR**

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

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

#### **5. INDEMNIFICATION**

##### **5.1 Contractor Indemnification.**

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

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

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

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

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

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

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

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

## **6. OWNERSHIP OF DOCUMENTS**

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

## **7. PATENTS, COPYRIGHTS, AND RIGHTS IN DATA**

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

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

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

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

## **8. GENERAL PROVISIONS**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Engineer for this Project is designated as: Jonathan Strong E.I.T.

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

CONTRACTOR:

Company

Attn: Individual to receive notices

Street Address

CITY OF FEDERAL WAY

\*\*\*UNOFFICIAL COPY\*\*\* RFB 31 2026 ASPHALT OVERLAY  
Official documents, plan holder's list, and addenda (if applicable)  
PROJECT #12526 / RFB #26-001  
CFW RFB VERSION 2025-09-27 Available on BXWA.com

City, State, Zip

ENGINEER: City of Federal Way  
Attn: Jonathan Strong  
33325 8th Ave S  
Federal Way, WA 98003

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

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

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

## 9. PERFORMANCE/PAYMENT BOND

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

DATED the day and year set forth above.

## CITY OF FEDERAL WAY:

**CONTRACTOR:**

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

**Signature of Authorized Individual**

**ATTEST:**

*Printed Name of Authorized Individual*

---

Heather Dumlaa, CMC, CPRO, City Clerk

---

**Street Address**

APPROVED AS TO FORM

City State Zip

---

J. Ryan Call, City Attorney

CITY OF FEDERAL WAY

2026 ASPHALT OVERLAY

\*\*\*UNOFFICIAL COPY\*\*\* RFB-32 PROJECT #12526 / RFB #26-001  
Other bid documents, plan holders list, and addenda (if applicable)  
CFW RFB VERSION 2025-09-07 Available on BXW.com

**NOTARY OF CONTRACTOR'S SIGNATURE:**

STATE OF WASHINGTON      )  
                                    ) ss.  
COUNTY OF \_\_\_\_\_ )

**STAFF - USE FOR CORPORATE NOTARY OR DELETE.**

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

GIVEN under my hand and official seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

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

**STAFF - USE FOR INDIVIDUAL NOTARY OR DELETE.**

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

GIVEN under my hand and official seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

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

**STAFF - USE FOR LIMITED LIABILITY NOTARY OR DELETE.**

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

GIVEN under my hand and official seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

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

## **SAMPLE CONTRACT CHANGE ORDER**

PROJECT NUMBER \_\_\_\_\_ AGREEMENT NUMBER \_\_\_\_\_ CHANGE ORDER NUMBER \_\_\_\_\_ EFFECTIVE DATE \_\_\_\_\_

PROJECT TITLE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_

### **SUMMARY OF PROPOSED CHANGES:**

This Change Order covers the work changes summarized below:

The time provided for completion in the Contract is

- Unchanged
- Increased by \_\_\_\_\_ Working Day(s)
- Decreased by \_\_\_\_\_ Working Day(s)

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

Will this change affect expiration or extent of Insurance coverage?

Yes  No

If "Yes" Will the Policies Be Extended?

Yes  No

---

### **MODIFICATIONS TO UNIT PRICES:**

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

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

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

---

### **DEPARTMENT RECAP TO DATE:**

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

---

### **STATEMENT:**

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

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**  
**PROJECT #12526 / RFB #26-001**  
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claims by the Contractor arising out of, or relating in any way to, the Work identified, to be performed, or deleted pursuant to Change Order except as specifically described in this Change Order.

---

CONTRACTOR'S SIGNATURE

DATE

---

PUBLIC WORKS DIRECTOR

DATE

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

## CERTIFICATE OF INSURANCE

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

## **PERFORMANCE AND PAYMENT BOND** **2026 ASPHALT OVERLAY**

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

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

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

- 1) Well and faithfully perform all of the Principal's obligations under the Contract and fulfill all terms and conditions of all duly authorized modifications, additions, and changes to said Contract that may hereafter be made, at the time and in the manner therein specified; and if such performance obligations have not been fulfilled, this bond shall remain in force and effect; and
- 2) Pay all persons in accordance with Chapters 39.08, 39.12, and 60.28 RCW including all workers, laborers, mechanics, subcontractors, and materialmen, and all person who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work, and all taxes incurred on said Contract under Titles 50 and 51 RCW and all taxes imposed on the Principal under Title 82 RCW; and if such payment obligations have not been fulfilled, this bond shall remain in full force and effect.

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

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

**PRINCIPAL:**

---

*Principal Signature*

---

*Date*

---

*Printed Name*

---

*Title***SURETY:**

---

*Surety Signature*

---

*Date*

---

*Printed Name*

---

*Title*

**LOCAL OFFICE/AGENT OF SURETY:**

*Name*

*Street Address*

*City, State, Zip*

*Telephone*

**BOND NO.:** \_\_\_\_\_

**APPROVED AS TO FORM:**

*J. Ryan Call, City Attorney*

**CITY OF FEDERAL WAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB 38** Official documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-09-07 Available on BXWA.com

**2026 ASPHALT OVERLAY**

**PROJECT #12526 / RFB #26-001**

## **RETAINAGE BOND TO CITY OF FEDERAL WAY** **2026 ASPHALT OVERLAY**

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

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

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

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

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

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

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

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

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

**CITY OF FEDERAL WAY**

**2026 ASPHALT OVERLAY**  
**PROJECT #12526 / RFB #26-001**  
**\*\*\*UNOFFICIAL COPY\*\*\* RFB 39** Official documents, plan holder(s), and addenda (if applicable)  
CFW RFB VERSION 2025-09-27 Available on BXWA.com

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

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

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

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

**CORPORATE SEAL:**

**PRINCIPAL:**

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

Title: \_\_\_\_\_

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

\_\_\_\_\_

**CERTIFICATE AS TO CORPORATE SEAL**

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

\_\_\_\_\_  
*Secretary of Principal*

**CITY OF FEDERAL WAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB 40** Official bid documents, plan holder's list, and addenda (if applicable)  
CFW RFB VERSION 2025-05-07 Available on BXWA.com

**2026 ASPHALT OVERLAY**

**PROJECT #12526 / RFB #26-001**

**CORPORATE SEAL:**

**SURETY:**

By: \_\_\_\_\_  
*Attorney-in-Fact*  
*(Attach Power of Attorney)*

Title: \_\_\_\_\_

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

**CERTIFICATE AS TO CORPORATE SEAL**

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

\_\_\_\_\_  
*Secretary of Surety*

**APPROVED AS TO FORM:**

\_\_\_\_\_  
*J. Ryan Call, City Attorney*

**CITY OF FEDERAL WAY**

**\*\*\*UNOFFICIAL COPY\*\*\* RFB 41 2026 ASPHALT OVERLAY  
PROJECT #12526 / RFB #26-001**  
Officer bid documents, plan holder's bid, and addenda (if applicable)  
CFW RFB VERSION 2025-09-07 Available on BXWA.com

## INTRODUCTION TO THE SPECIAL PROVISIONS

### **(January 4, 2024 APWA GSP, Option A)**

The work on this project shall be accomplished in accordance with the Standard Specifications for Road, Bridge and Municipal Construction, 2026 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

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

The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

*(March 8, 2013 APWA GSP)*

*(April 1, 2013 WSDOT GSP)*

*(May 1, 2013 CFW GSP) City of Federal Way Special Provision*

*Project specific special provisions are labeled without a date as such:*

*(\*\*\*2026 ASPHALT OVERLAY SPECIAL PROVISION\*\*\*)*

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT Manual M21-01, current edition
- City of Federal Way Public Works Development Standards
- National Electric Code, current edition

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

# DIVISION 1

## GENERAL REQUIREMENTS

### **DESCRIPTION OF WORK**

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

This Contract provides for the improvement of the 2026 Asphalt Overlay Improvements and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

### **1-01.3 Definitions**

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

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

#### **Dates**

##### ***Bid Opening Date***

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

##### ***Award Date***

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

##### ***Contract Execution Date***

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

##### ***Notice to Proceed Date***

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

##### ***Substantial Completion Date***

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

##### ***Physical Completion Date***

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

##### ***Completion Date***

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

##### ***Final Acceptance Date***

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

Supplement this Section with the following:

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

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

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

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

**Additive**

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

**Alternate**

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

**Business Day**

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

**Contract Bond**

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

**Contract Documents**

See definition for "Contract."

**Contract Time**

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

**Notice of Award**

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

**Notice to Proceed**

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

**Traffic**

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

## 1-02 BID PROCEDURES AND CONDITIONS

**CITY OF FEDERAL WAY**

**SP-3**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

**\*\*\*UNOFFICIAL COPY\*\*\*** Official documents, including the bidder's list, and addenda (if applicable) are available on BXWA.com

### **1-02.1 Prequalification of Bidders**

Delete this Section and replace it with the following:

#### **1-02.1 Qualifications of Bidder**

**(January 24, 2011 APWA GSP)**

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

### **1-02.2 Plans and Specifications**

**(June 27, 2011 APWA GSP)**

Delete this section and replace it with the following:

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

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

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

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

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

**(June 27, 2011 APWA GSP)**

#### **1-02.4(1) General**

**(December 30, 2022 APWA GSP, Option B)**

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

Prospective Bidders desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing by close of business three (3) business days preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their Bids.

### **1-02.5 Proposal Forms**

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

Delete this section and replace it with the following:

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's DBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be in legible figures

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

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

#### **1-02.6 Preparation of Proposal**

##### ***(April 22, 2025 APWA GSP, OPTION B)***

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

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

Supplement the second paragraph with the following:

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

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

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

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

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

A bid by a partnership shall be executed in the partnership name and signed by a partner.

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

##### ***(June 11, 2025 APWA GSP, OPTION C)***

The fourth paragraph of Section 1-02.6 is revised to read:

##### **Subcontractor's List**

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

1. Subcontractors who will perform the work of structural steel installation, rebar installation, heating, ventilation, air conditioning, and plumbing as described in RCW 18.106 and electrical as described in RCW 19.28,
2. The Work those subcontractors will perform on the Contract and the proof of license when required as described in RCW 39.30.060; and

3. No more than one subcontractor for each category of work identified, except, when subcontractors vary with Bid alternates, in which case the Bidder shall identify which subcontractor will be used for which alternate.

Add the following new section:

**1-02.6(1) Recycled Materials Proposal**

**(January 4, 2016 APWA GSP)**

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

**1-02.7 Bid Deposit**

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

Supplement this section with the following:

Bid bonds shall contain the following:

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

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

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

**1-02.9 Delivery of Proposal**

**(November 21, 2025 APWA GSP, OPTION B)**

Delete this section and replace it with the following:

**GENERAL**

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

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

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

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

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

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

#### **1-02.10 Withdrawing, Revising, or Supplementing Proposal**

*(July 23, 2015 APWA GSP)*

Delete this section, and replace it with the following:

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

1. The Bidder submits a written request signed by an authorized person and physically delivers it to the place designated for receipt of Bid Proposals, and
2. The Contracting Agency receives the request before the time set for receipt of Bid Proposals, and
3. The revised or supplemented Bid Proposal (if any) is received by the Contracting Agency before the time set for receipt of Bid Proposals.

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

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

#### **1-02.13 Irregular Proposals**

*(November 21, 2025 APWA GSP)*

Delete this section and replace it with the following:

1. A Proposal will be considered irregular and will be rejected if:
  - a. The Bidder is not prequalified when so required;
  - b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;

- c. A price per unit cannot be determined from the Bid Proposal;
- d. The Proposal form is not properly executed;
- e. The Bidder fails to submit or properly complete a subcontractor list as required in Section 1-02.6;
- f. The Bidder fails to submit the Bidder Questionnaire, if applicable, as required by Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions; or
- g. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

2. A Proposal may be considered irregular and may be rejected if:

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

#### **1-02.14 Disqualification of Bidders**

*(May 17, 2018 APWA GSP, OPTION B)*

Delete this section and replace it with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or does not meet Supplemental Criteria 1-7 listed in this Section.

Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that the Bidder meets Supplemental Criteria 3-7 shall be provided by the Bidder as stated later in this Section.

##### **1. Delinquent State Taxes**

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

##### **2. Federal Debarment**

- A. Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.
- B. Documentation: The Bidder shall not be listed as having an “active exclusion” on the U.S. government’s “System for Award Management” database ([www.sam.gov](http://www.sam.gov)).

3. **Subcontractor Responsibility**

- A. Criterion: The Bidder’s standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder’s subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also “responsible” subcontractors as defined by RCW 39.06.020.
- B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

4. **Claims Against Retainage and Bonds**

- A. Criterion: The Bidder shall not have a record of excessive claims filed against the retainage or payment bonds for public works projects in the three years prior to the bid submittal date, that demonstrate a lack of effective management by the Bidder of making timely and appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.
- B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of the public works projects completed in the three years prior to the bid submittal date that have had claims against retainage and bonds and include for each project the following information:
  - Name of project
  - The owner and contact information for the owner;
  - A list of claims filed against the retainage and/or payment bond for any of the projects listed;
  - A written explanation of the circumstances surrounding each claim and the ultimate resolution of the claim.

5. **Public Bidding Crime**

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

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

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

## 7. **Lawsuits**

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

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

The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or third parties) including but not limited to: (i) financial, historical, or operational data from the Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the Bidder has worked, or other public agencies or private

enterprises; and (iii) any additional information obtained by the Contracting Agency which is believed to be relevant to the matter.

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

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

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

### **1-03.1 Consideration of Bids**

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

Revise the first paragraph to read:

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

***(January 19, 2024 CFW GSP)***

Section 1-03.1 is supplemented with the following:

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

### **1-03.1(1) Identical Bid Totals**

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

Revise this section to read:

**CITY OF FEDERAL WAY**

**SP-11**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

### **1-03.3 Execution of Contract**

**(July 8, 2024 APWA GSP, Option A)**

Revise this section to read:

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

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

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

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

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within the calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of 5 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

### **1-03.4 Contract Bond**

**(July 23, 2015 APWA GSP)**

Delete the first paragraph and replace it with the following:

**CITY OF FEDERAL WAY**

**SP-12**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

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

#### **1-03.7 Judicial Review**

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

Revise this section to read:

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

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

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

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

**CITY OF FEDERAL WAY**

**SP-13**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

Revise the second paragraph to read:

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

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

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

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

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

### **1-05 CONTROL OF WORK**

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

**(January 13, 2021 WSDOT GSP, OPTION 2)**

Section 1-05.4 is supplemented with the following:

##### **Contractor Surveying – Roadway**

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

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

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

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

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

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

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.
2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.
3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.
4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Contractor
5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.
6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Contractor.
7. Establish intermediate elevation benchmarks as needed to check work throughout the project.
8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.
9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.
10. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement. The Contractor shall submit these changes to the Engineer for review and approval 10 days prior to the beginning of work.

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

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

	<u>Vertical</u>	<u>Horizontal</u>
Slope stakes	±0.10 feet	±0.10 feet
Subgrade grade stakes set 0.04 feet below grade	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Stationing on roadway	N/A	±0.1 feet
Alignment on roadway	N/A	±0.04 feet
Surfacing grade stakes	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	±0.01 feet	±0.2 feet (parallel to alignment) ±0.1 feet (normal to alignment)

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

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

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

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

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

### **Payment**

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

"Roadway Surveying", lump sum.

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

**(April 22, 2025, APWA GSP, OPTION D)**

Supplement this section with the following:

**Contractor Surveying – ADA Features**

**ADA Feature Staking Requirements**

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, and grades necessary for the construction of the ADA features. Calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility. The Contractor shall build the ADA features within the specifications in the Standard Plans and contract documents.

**ADA Feature Contract Compliance**

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

**ADA Feature Measurements**

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

The completed ADA Post Inspection Form(s) (WSDOT Form 224-020LP) shall be submitted as a Type 3 Working Drawing and transmitted to the Engineer within 30 calendar days of completing the ADA feature. After acceptance, the Contracting Agency will retain the final form(s) for their records.

**Payment**

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

"ADA Feature Surveying", lump sum.

The lump sum Contract price for "ADA Feature Surveying" shall be full pay for all the Work as specified.

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

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

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

Supplement this section with the following:

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the Engineer, or fails to perform any part of the work required by the Contract Documents, the Engineer may correct and remedy such work as may be

identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

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

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

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

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

#### **1-05.10 Guarantees**

***(January 19, 2024 CFW GSP)***

Section 1-05.10 is supplemented with the following:

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

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

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

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

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

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

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

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

Delete this section and replace it with the following:

#### **1-05.11 Final Inspections and Operational Testing**

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

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

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

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized interruption, the work necessary to reach Substantial and Physical Completion. The

Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the work.

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

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

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

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

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

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

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

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

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

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

#### **1-05.12 Final Acceptance**

**(April 12, 2019 CFW GSP)**

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

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

#### **1-05.12(1) One-Year Guarantee Period**

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

Add the following new section.

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

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

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

#### **1-05.13 Superintendents, Labor and Equipment of Contractor**

**(August 14, 2013 APWA GSP)**

Delete the sixth and seventh paragraphs of this section.

#### **1-05.15 Method of Serving Notices**

**(January 4, 2024 APWA GSP)**

Revise the second paragraph to read:

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

#### **1-05.16 Water and Power**

**CITY OF FEDERAL WAY**

**SP-21**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

Add the following new section:

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

#### **1-05.17 As-Built Survey and Record Drawings**

**(March 22, 2023 CFW GSP)**

Section 1-05.17 is a new section:

##### **As-Built Survey**

After construction has been completed the Contractor shall perform an as-built survey and provide the information (including point files) in a format compatible with AutoCAD 2019 or later version file to the Engineer.

The applicable tolerance limits for the as-built survey 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

This as-built survey shall consist of the following:

- Survey of rim elevation, sump elevations, and invert elevations of all storm drainage structures installed, modified or left in place within the limits of this contract. Storm pipe diameter and material; drainage structure type, size, lid type (solid cover or grate, standard or heavy duty), and lid shape; model No. of CB water quality treatment inserts installed, flowline of open channel conveyance systems at 50-foot max. intervals, and retaining wall footing drains, including cleanouts.
- Survey of all monuments shown on the plans or discovered within the project limits. City of Federal Way Monument Record forms shall be completed by a Professional Land Surveyor and submitted to the Project Engineer for each monument.
- Finished grade shots on all utility appurtenances within the limits of this contract, including, but not limited to vaults, handholes, valves, fire hydrants, water meters, junction boxes, signal poles, etc. Appurtenances with round covers should have one survey shot in the center of the manhole or valve cover, or at the center of the fire hydrant. Utility handholes and boxes shall have two shots on opposite corners of the cover.

- Final curb elevations, with a minimum of 8 shots at each curb return. Also, final shots along all curb and gutter, block curb, integral curb and extruded curb installed in this contract (at flowline of the curbs).
- Final elevations at the front and back of walk throughout the project limits.
- Final wall elevations at the face and top of all walls installed in this contract.
- Shots of all signs, trees, illumination and signal equipment installed as part of this contract.
- Shots to delineate all channelization installed in this contract.

### **Record Drawings**

Throughout construction, the Contractor shall be responsible for tracking all relevant field changes to the approved construction drawings. These changes shall be clearly identified in red ink in a comprehensive manner on one set of full size Plans. These Record Drawing shall be kept separate from other Plan sheets, and shall be clearly marked as Record Drawings. The Record Drawings shall be kept on site, and shall be available for review by the Contracting Agency at all times. The Contractor shall bring the Record Drawings to each progress meeting for review.

Upon completion of construction, the Contractor shall submit to the City a clean set of marked-up drawings in electronic PDF format that are signed and certified by the Contractor or their surveyor. The Certification on each page of the record drawings shall state that said drawings are an accurate depiction of built conditions. City acceptance of the Record Drawings is one of the requirements for achieving Physical Completion.

The certified Record Drawings shall, at a minimum, consist of the following:

- Existing or abandoned utilities that were encountered during construction that were not shown on the approved construction drawings.
- Accurate locations of storm drainage (including invert elevations), sanitary sewer, water mains and other water appurtenances, structures, conduits, light standards, vaults, width of roadways, sidewalks, landscaping areas, channelization and pavement markings, etc. Record drawings shall reflect actual dimensions, arrangement, and materials used when different than shown in the Plans. As-built survey information shall be used to confirm information shown on record drawings.
- Changes made by Change Order or Field Directive.
- Changes made by the Contractor as approved by the Engineer.
- Pothole information gathered by the Contractor.

### **Payment**

"As-Built Survey and Record Drawings", lump sum.

The lump sum contract price for "As-Built Survey and Record Drawings" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the work specified, including any surveying, checking, correction of errors, preparation of record drawings,

and coordination efforts. Payment will be made after AutoCad files and record drawings are submitted to and approved by the City. No partial payments will be made.

#### **1-05.18 Contractor's Daily Diary**

**(March 22, 2023 CFW GSP)**

Section 1-05.18 is a new section:

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

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

- The day and date.
- The weather conditions, including changes throughout the day.
- A complete description of work accomplished during the day with adequate references to the Plans and Specifications so that the reader can easily and accurately identify said work in the Plans.
- An entry for each and every changed condition, dispute or potential dispute, incident, accident, or occurrence of any nature whatsoever which might affect the Contract, Owner, or any third party in any manner.
- Listing of any materials received and stored on or off-site by the Contractor for future installation, to include the manner of storage and protection of the same.
- Listing of materials installed during each day.
- List of all subcontractors working on-site during each day.
- Listing of the number of Contractor's employees working during each day by category of employment.
- Listing of Contractor's equipment working on the site during each day. Idle equipment on the site shall be listed and designated as idle.
- Notations to explain inspections, testing, stake-out, and all other services furnished to the Contractor by the Owner or other during each day.
- Entries to verify the daily (including non-work days) inspection and maintenance of traffic control devices and condition of the traveled roadway surfaces. The Contractor shall not allow any conditions to develop that would be hazardous to the public.
- Any other information that serves to give an accurate and complete record of the nature, quantity, and quality of the Contractor's progress on each day.
- Summary of total number of working days to date, and total number of delay days to date.

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

It is expressly agreed between the contractor and the owner that the daily diary maintained by the Contractor shall be the "Contractor's Book of Original Entry" for the documentation of any potential claims or disputes that might arise during this contract. Failure of the Contractor to maintain this diary in the manner described above will constitute a waiver of any such claims or disputes by the Contractor. The daily diary maintained by the

Contractor does not constitute the official record of the project. The official record of the project is prepared and maintained exclusively by the engineer.

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

### **1-06.2 Acceptance of Materials**

#### **1-06.2(1) Samples and Tests for Acceptance**

*(September 20, 2024 CFW GSP)*

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

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

The testing company shall provide prompt results. Original test results shall be sent directly from the testing company to the City's Project Engineer at [jonathan.strong@federalwaywa.gov](mailto:jonathan.strong@federalwaywa.gov). Copies of test results shall also be sent to the Contractor.

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

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

The bid item "Material Testing" shall be measured on a lump sum basis and shall include all material testing required for the 1-07.11

project. When the bid item for "Material Testing" appears on the proposal, the lump sum contract price for "Material Testing" shall include all costs associated with all Bid Schedules unless noted otherwise.

### **1-06.6 Recycled Materials**

*(January 4, 2016 APWA GSP)*

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

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

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

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

### **1-07.1 Laws to be Observed**

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

Supplement this section with the following:

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

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

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

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

### **1-07.1(2) Health and Safety**

**(April 12, 2019 CFW GSP)**

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

#### ***Confined Space***

Confined spaces are known to exist at the following locations:

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

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

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

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

## **1-07.2 State Taxes**

**(June 27, 2011 APWA GSP)**

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

### **1-07.2 State Sales Tax**

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

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

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

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

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

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

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

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

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

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

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

### **1-07.6 Permits and Licenses**

***(April 12, 2018 CFW GSP)***

Section 1-07.6 is supplemented with the following:

#### **Survey Monuments**

In accordance with RCW 58.24.040(8), no cadastral or geodetic survey monument may be disturbed without a valid permit to remove or destroy a survey monument, issued by the Washington State Department of Natural Resources. Permit applications can be obtained on the DNR Public Land Survey Office website. The permit application must be stamped by a registered Washington State Land Surveyor. The Contractor shall obtain the permit to Remove or Destroy a Survey Monument as necessary. All costs to obtain and comply with the permit shall be considered incidental to other bid items and no additional payment will be made.

***(December 16, 2022 CFW GSP)***

Section 1-07.6 is supplemented with the following:

#### **Oversized Loads**

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

##### Size

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

##### Weight

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

***(November 14, 2025 CFW GSP)***

Section 1-07.6 is supplemented with the following:

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

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

#### **(March 13, 1995 WSDOT GSP, OPTION 6)**

Section 1-07.7 is supplemented with the following:

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

### **1-07.8 High-Visibility Apparel**

#### **1-07.8(1) Traffic Control Personnel**

#### **(September 16, 2025 WSDOT GSP, OPTION 1)**

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

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

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

### **1-07.9(3) Apprentices**

#### **(July 8, 2024 APWA GSP)**

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

#### **Apprentice Utilization**

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

#### **Definitions**

For the purposes of this specification the following definitions apply:

1. Apprentice is a person enrolled in a State-approved Apprenticeship Training Program.
2. Apprentice Utilization is the apprentice labor hours, on the project, expressed as a percentage of project Labor Hours based on certified payrolls or the affidavits of wages paid, whichever is least. The percentage is not rounded up.

3. Apprentice Utilization Requirement is the minimum percentage of apprentice labor hours required by the Contract.
4. Good Faith Effort(s) (GFE) describes the Contractor's efforts to meet the Apprentice Utilization Requirement including but not limited to the specific steps as described elsewhere in this specification.
5. Labor Hours are the total hours performed by all workers receiving an hourly wage who are subject to prevailing wage requirements for work performed on the Contract as defined by RCW 39.04.310. Labor Hours are determined based on the scope of work performed by the individuals, rather than the title of their occupations in accordance with WAC 296-127.
6. State-approved Apprenticeship Training Program is an apprenticeship training program approved by the Washington State Apprenticeship Council.
7. Apprentice Wage Rates are the applicable wage rates that are to be paid for an apprentice registered in a training program, separate from Journey Level rates, as set by the Washington State Apprenticeship Training Council and Washington State Department of Labor and Industries (L&I).

### **Electronic Reporting**

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

### **Apprentice Utilization Plan**

The Contractor shall submit an "Apprentice Utilization Plan" by filling out the Apprentice Utilization Plan Form (WSDOT Form 424-004) within 30 calendar days of execution, however no later than the preconstruction meeting, demonstrating how and when they intend to achieve the Apprentice Utilization Requirement. The Plan shall be in sufficient detail for the Engineer to track the Contractor's progress in meeting the utilization requirements. An Apprentice Utilization Plan shall be updated and resubmitted as the Work progresses or when requested by the Engineer.

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

### **Contacts**

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

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

### **Compliance**

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

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

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

### **Good Faith Efforts**

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

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

1. Demonstrated Lack of Availability of Apprentices. Correspondence from State-approved Apprenticeship Training Program(s), with project specific responses confirming there is a lack of availability of Apprentices for this project.
2. Demonstrated Disproportionate Ratio of Material/Equipment/Products to Labor Hours. Documentation explaining the bid includes a disproportionate high cost of material/equipment/products to Labor Hours. (E.g., a \$2 M estimated contract includes \$1 M or more in procurement costs of equipment to be installed.)
3. Demonstrated Lack of Necessary Labor Hours. Correspondence from a State-approved Apprentice Training Programs confirming there is not enough time in the project to meet required journey level to apprentice training ratios.
4. Demonstrated Lack of Available Approved Programs. Correspondence from State-approved Apprentice Training Programs, confirming there are no programs that train for the scopes included/anticipated on the project. Contractor and state programs to submit training program detail needs and details that could be used for future program creation.
5. Funding Precedent. Documentation that shows conflicting, more restrictive, or precedent requirements for other training on the Project. Examples include, but are not limited to, Tribal Employment Rights (TERO), Federal Training Hours, or Special Training that affect the ability to use state-registered apprentices.
6. Warranty Work. Documentation from Original Equipment Manufacturers, or similar, confirming that work performed must only be completed by certified journey-level installers or risk voiding warranty, or similar.

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

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

### **Approving Good Faith Efforts**

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

### **Payment**

Payment will be made for the following Bid Items:

“Apprenticeship Incentive”, by calculation

An incentive of \$2,000.00 will be assessed with the Final Payment for Contractors who meet the Apprentice Utilization Requirement without a reduction by Good Faith Effort. For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount in the proposal to become a part of the total bid by the Contractor.

“Apprenticeship Penalty”, by calculation.

Apprenticeship Hours will be measured for each hour of work performed by an apprentice as shown on the Monthly Apprentice Utilization Report, based on certified payrolls or the affidavits of wages paid, whichever is least. The percentage is not rounded up. For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount in the proposal to become a part of the total bid by the Contractor.

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

Apprenticeship Utilization Penalty will be calculated as described below:

Percent of goal met	Penalty per hour of unmet goal
100%	\$0.00
90% to 99%	\$2.00
75% to 89%	\$4.00
50% to 74%	\$6.00

1% to 49%	\$8.00
0%	\$10.00

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

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

**(July 8, 2024 APWA GSP)**

This section is revised to read as follows:

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

#### **1-07.11(2) Contractual Requirements**

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

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

#### **1-07.16 Protection and Restoration of Property**

##### **1-07.16(2) Vegetation Protection and Restoration**

**(August 2, 2010 WSDOT GSP)**

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

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

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

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

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

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

Section 1-07.17 is supplemented with the following:

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

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

#### **UTILITY CONTACTS**

##### **PUGET SOUND ENERGY (POWER & GAS)**

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

#### **LAKESHAVEN WATER & SEWER DISTRICT**

**CITY OF FEDERAL WAY**

**SP-33**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

**ZAYO**

[Zayo.Relo.Washington@zayo.com](mailto:Zayo.Relo.Washington@zayo.com)

**LUMEN**

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

**COMCAST**

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

**AT&T**

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

**KING COUNTY TRAFFIC (SIGNALS & STREET LIGHTS)**

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

**CITY OF FEDERAL WAY IT DEPARTMENT (CITY FIBER)**

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

**ADDITIONAL CONTACTS**

**CITY OF FEDERAL WAY POLICE**

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

**SOUTH KING FIRE & RESCUE**

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

**KING COUNTY METRO TRANSIT**

Tele: (206) 684-2785  
81270 6<sup>th</sup> Ave S, Bldg 2; Seattle, WA 98134  
Ryan Dooley (King County Metro Bus Pad Representative)  
Tele: (206)-698-2536

**FEDERAL WAY SCHOOL DISTRICT**

Please notify this entire group

Rob Bryant, Chief Finance & Operations Officer - [rbryant@fwps.org](mailto:rbryant@fwps.org)  
Michael Swartz, Exec. Director of Capital Projects - [mswartz@fwps.org](mailto:mswartz@fwps.org)

**CITY OF FEDERAL WAY**

SP-34

**2026 ASPHALT OVERLAY  
PROJECT #12526**

**\*\*\*UNOFFICIAL COPY\*\*\*** Official documents, including the 2025-12526 project's list, and addenda (if applicable) are available on [BXWA.com](http://BXWA.com)

Michelle Turner, Exec. Director of Transportation - [mturner@fwps.org](mailto:mturner@fwps.org)  
Renee Swayze - [rswayze@fwps.org](mailto:rswayze@fwps.org)  
Mike Benzien, Exec. Director of Maint. & Operations - [mbenzien@fwps.org](mailto:mbenzien@fwps.org)  
Brian Humphreys, Maintenance Manager - [bhumphre@fwps.org](mailto:bhumphre@fwps.org)  
Paula Benz - [pbenz@fwps.org](mailto:pbenz@fwps.org)

## **WASTE MANAGEMENT**

Steve Frisbie (Route Manager, FW Residential) – [sfrisbie@wm.com](mailto:sfrisbie@wm.com)  
Tele: (971) 990-9638  
David Cruz (Route Manager, FW Commercial) – [dcruz8@wm.com](mailto:dcruz8@wm.com)  
Tele: (206) 580-6316

### **(October 3, 2022 WSDOT GSP, OPTION 2)**

Section 1-07.17 is supplemented with the following:

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

Public and private utilities, or their Contractors, will furnish all work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for in the Plans or these Special Provisions. Such adjustment, relocation, replacement, or construction will be done during the prosecution of the work for this project. It is anticipated that utility adjustment, relocation, replacement or construction within the project limits will be completed as follows:

- Any other relocations, replacements, or adjustments as necessary

The Contractor shall attend a mandatory utility preconstruction meeting with the Engineer, all affected subcontractors, and all utility owners and their Contractors prior to beginning onsite work.

The following addresses and telephone numbers of utility companies or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

- See contact info listed in Section 1-07.17, Option 1

The Contractor shall:

- Provide survey or station and offset records for all utility appurtenances that are lowered prior to paving.
- Provide franchise utilities with a minimum two-week advance notice to facilitate scheduling for their crews. Work will be completed by utilities after the area has been prepared by the City's contractor, including excavation and staking of appurtenant facilities such as right-of-way & back of sidewalk (line & grade).
- The Contractor shall coordinate scheduling of utility work with the utility companies involved and incorporate that work into the project schedule.

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

**(January 4, 2024 APWA GSP)**

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

### **1-07.18 Insurance**

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

**CITY OF FEDERAL WAY**

**SP-35**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

- A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A- VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.
- B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.
- C. If any insurance policy is written on a claims-made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made, and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.
- D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.
- E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.
- F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency.
- G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
- H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

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

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

- The Contracting Agency and its officers, elected officials, employees, agents, and volunteers.
- Consultants hired by the Contracting Agency for construction support or materials testing.

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

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

#### **1-07.18(3) Subcontractors**

The Contractor shall cause each subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by subcontractors.

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

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

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

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

Verification of coverage shall include:

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

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

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

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

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

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

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

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

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

Such policy must provide the following minimum limits:

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

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

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

Such policy must provide the following minimum limit:

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

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

## **1-07.18(5)D Excess or Umbrella Liability**

**(January 4, 2016 APWA GSP)**

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

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

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

## **1-07.18(5)J Pollution Liability**

**(January 4, 2016 APWA GSP)**

This is a new section as follows:

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

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

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

Such Pollution Liability policy shall provide the following minimum limits:

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

## 1-07.24 Rights of Way

(April 22, 2025 APWA GSP)

Delete this section and replace it with the following:

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

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

Whenever any of the work is accomplished on or through property other than public Right of Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement

agreement obtained by the Contracting Agency from the owner of the private property. Copies of the easement agreements may be included in the Contract Provisions or made available to the Contractor as soon as practical after they have been obtained by the Engineer.

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

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

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

#### **1-07.28 Communication with Businesses and Property Owners**

**(April 12, 2018 CFW GSP)**

Section 1-07.28 is added:

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

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

#### **1-07.29 Coordination with Transit Agencies**

**(July 3, 2025 CFW GSP)**

Section 1-07.29 is added:

**CITY OF FEDERAL WAY**

**SP-40**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

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

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

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

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

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

## **1-08 PROSECUTION AND PROGRESS**

### **1-08.0 Preliminary Matters**

**(May 25, 2006 APWA GSP)**

Add this new section.

#### **1-08.0(1) Preconstruction Conference**

**(October 21, 2025 APWA GSP)**

Add the following new section:

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

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To review Training or Apprenticeship Plans, when applicable.
5. To discuss FSBE Goals when applicable.
6. To establish normal working hours for the work;
7. To review safety standards and traffic control; and
8. To discuss such other related items as may be pertinent to the work.

The Contractor shall prepare and submit at the preconstruction meeting the following:

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

#### **1-08.0(2) Hours of Work**

**(December 8, 2014 APWA GSP)**

Add the following new section:

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

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

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

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

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)
2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non-working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll.

**(December 1, 2021 CFW GSP)**

Add the following new section:

**CITY OF FEDERAL WAY**

**SP-42**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

#### **1-08.1 Subcontracting**

*(December 30, 2022 APWA GSP, OPTION A)*

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

##### **1-08.1(7)A Payment Reporting**

*(November 25, 2024 APWA GSP)*

Delete this section and replace it with the following:

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

##### **1-08.1(8)B Clauses Required in Subcontracts of All Tiers**

*(November 25, 2024 APWA GSP)*

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

#### **1-08.1(9) Submittal of Executed Subcontracts**

*(April 22, 2025 APWA GSP, Option B)*

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

**Vacant**

#### **1-08.3 Progress Schedule**

##### **1-08.3(1) General Requirements**

*(October 3, 2022 WSDOT GSP, OPTION 2)*

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

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

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

##### **1-08.3(2)A Type A Progress Schedule**

*(December 30, 2022 APWA GSP)*

Revise this section to read:

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

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

Delete this section and replace it with the following:

#### **1-08.4 Notice to Proceed and Prosecution of Work**

**(July 23, 2015 APWA GSP)**

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

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

**(December 1, 2021 CFW GSP)**

Section 1-08.4 is supplemented with the following.

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

**1-08.5 Time for Completion**

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

Revise the third and fourth paragraphs to read:

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

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and all partial or whole days the Engineer declares as unworkable. The statement will be identified as a Written Determination by the Engineer. If the Contractor does not agree with the Written Determination of working days, the Contractor shall pursue the protest procedures in accordance with Section 1-04.5. By failing to follow the procedures of Section 1-04.5, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

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

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

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

Section 1-08.5 is supplemented with the following:

This project shall be physically complete within 100 working days.

**1-08.6 Suspension of Work**

***(February 6, 2023 WSDOT GSP, OPTION 2)***

Section 1-08.6 is supplemented with the following:

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

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

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

**1-08.9 Liquidated Damages**

***(March 3, 2021 APWA GSP, OPTION A)***

Replace Section 1-08.9 with the following:

**CITY OF FEDERAL WAY**

**SP-45**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

Accordingly, the Contractor agrees:

1. To pay liquidated damages in the amount of \$1,800.00 for each working day beyond the number of working days established for Physical Completion, and
2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

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

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

## **1-09 MEASUREMENT AND PAYMENT**

### **1-09.2(1) General Requirements for Weighing Equipment**

***(November 25, 2024 APWA GSP, OPTION B)***

Revise item 4 of the fifth paragraph to read:

4. Test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT form 422-027LP, Scaleman's Daily Report, unless the printed ticket contains the same information that is on the Scaleman's Daily Report Form. The scale operator must provide AM and/or PM tare weights for each truck on the printed ticket.

### **1-09.2(5) Measurement**

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

Revise the first paragraph to read:

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

### **1-09.6 Force Account**

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

Supplement this section with the following:

The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items to be paid per force account, only to provide a common proposal for Bidders. All such dollar amounts are to become a part of Contractor's total bid. However, the

Contracting Agency does not warrant expressly or by implication, that the actual amount of work will correspond with those estimates. Payment will be made on the basis of the amount of work actually authorized by the Engineer.

### **1-09.9 Payments**

**(July 8, 2024 APWA GSP, OPTION B)**

Delete the fourth paragraph and replace it with the following:

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

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

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

1. Unit Price Items in the Bid Form – the approximate quantity of acceptable units of work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form – based on the approved Contractor's lump sum breakdown for that item, or absent such a breakdown, based on the Engineer's determination.
3. Materials on Hand – 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.
4. Change Orders – entitlement for approved extra cost or completed extra work as determined by the Engineer.

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

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

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

**(November 24, 2025 CFW GSP)**

Supplement Section 1-09.9 with the following:

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

### **1-09.11(3) Time Limitation and Jurisdiction**

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

Revise this section to read:

**CITY OF FEDERAL WAY**

**SP-47**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

For the convenience of the parties to the Contract it is mutually agreed by the parties that all claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that all such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to all such claims or causes of action. It is further mutually agreed by the parties that when claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

#### **1-09.13 Claim Resolution**

##### **1-09.13(1) General**

*(December 30, 2022 APWA GSP)*

Revise this Section to read

Prior to seeking claims resolution through arbitration or litigation, the Contractor shall proceed in accordance with Sections 1-04.5 and 1-09.11. The provisions of Sections 1-04.5 and 1-09.11 must be complied with in full as a condition precedent to the Contractor's right to seek claim resolution through binding arbitration or litigation.

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

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

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

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

*(January 19, 2022 APWA GSP)*

Revise the third paragraph to read:

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

#### **1-09.13(4) Venue for Litigation**

**CITY OF FEDERAL WAY**

**SP-48**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

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

Revise this section to read:

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

## **END OF DIVISION 1**

**CITY OF FEDERAL WAY**

**SP-49**

**2026 ASPHALT OVERLAY  
PROJECT #12526**

**\*\*\*UNOFFICIAL COPY\*\*\*** Official documents, including the bidder's list, and addenda (if applicable) are available on BXWA.com

## DIVISION 2 TEMPORARY FEATURES

### **2-01 Mobilization**

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

**(March 22, 2023 CFW GSP)**

Supplement Section 2-01.1 with the following:

Obtaining a site for the Contractor's mobilization, field office(s), storage of materials, access and personnel parking spaces, and other general operations shall be the responsibility of the Contractor. The Contractor will be responsible for maintaining these spaces in a safe and orderly condition throughout the duration of the project. The Contractor shall provide the City with a copy of agreement(s) with property owner. All costs associated with securing sites shall be included in the other bid items on the project and no other compensation will be made.

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

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

Delete this Section and replace it with the following:

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

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

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

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

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

## **2-03 Public Convenience and Safety**

### **2-03.3 Construction Requirements**

#### **2-03.3(1) Construction Under Traffic**

**(November 4, 2024 WSDOT GSP, OPTION 5)**

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

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

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

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

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

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

Northern boundary: S 312th Street

Southern boundary: S 324th Street

Eastern boundary: Interstate 5

Western boundary: 14th Ave S (future extension) / Federal Way 320<sup>th</sup> Library / 11th Pl S

6. During student drop-off and pick-up times on school days if a school is located in or within  $\frac{1}{4}$  mile of the project limits or if the engineer determines the construction could impact school traffic during these peak times.
  - a. Student Drop-Off (typically in morning): 20 minutes prior to school start time until 10 minutes after school start time.

- b. Student Pick-Up (typically in afternoon): 20 minutes prior to school end time until 20 minutes after school end time.
- c. Daily bell schedules, as well as calendars which reflect no-school days, early release days, and half-days are available on FWPS.org.

### **Traffic Delays**

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

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

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

### **General Restrictions**

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

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

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

### **Controlled Access**

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

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

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

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

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

### **Advance Notification**

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

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

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

#### **(November 14, 2025, CFW GSP)**

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

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

#### **(November 14, 2025, CFW GSP)**

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

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

#### **(March 21, 2025, CFW GSP)**

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

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

## **2-04 Temporary Traffic Control**

### **2-04.3(1) Traffic Control Management**

#### ***(September 2, 2025 WSDOT GSP, OPTION 1)***

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

##### ***Work Zone Safety Contingency***

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

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

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

**(October 3, 2022 WSDOT GSP, OPTION 2)**

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

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

The Northwest Laborers-Employers Training Trust  
27055 Ohio Ave.  
Kingston, WA 98346  
(360) 297-3035  
<https://www.nwlett.edu>

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

The American Traffic Safety Services Association  
15 Riverside Parkway, Suite 100  
Fredericksburg, Virginia 22406-1022  
Training Dept. Toll Free (877) 642-4637  
Phone: (540) 368-1701  
<https://altssa.com/training>

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

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

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

**2-04.3(2) Traffic Control Plans**

**(November 6, 2025 CFW GSP)**

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

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

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

## **2-04.3(4)B Other Traffic Control Labor**

**(April 22, 2025, APWA GSP)**

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

### **Uniformed Police Officer**

Definitions:

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

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

The Contractor shall arrange for off-duty Uniformed Police Officers to be present for the following activities:

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

It shall be the Contractor's responsibility to secure the off duty Uniformed Police Officer as required by the contract, including the costs to arrange, coordinate, and supervise.

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

Agency Police Officer

Contact: City of Federal Way Police

Phone: (253) 835-6701

County Deputy Sheriff

Contact: King County Sheriff

Phone: (206) 296-4155

Washington State Patrol

Contact: Washington State Patrol

Phone: (425) 401-7788

The services provided under the bid item "Uniformed Police Officer" shall be considered a subcontractor with the attendant requirements and responsibilities.

The Contractor must obtain prior approval for use of off-duty Uniformed Police Officers through an Approved Traffic Control Plan and approved amendments to the contract traffic control Plans. The off-duty Uniformed Police Officer shall be in addition to all other personnel required for flagging according to the approved traffic control plan.

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

The UPO shall be capable of issuing legal tickets for offenders and providing their Agency Police Vehicle with active light bars for night visibility.

***(November 13, 2025, CFW GSP)***

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

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

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

**2-04.3(6)A Construction Signs**

***(November 14, 2025 CFW GSP)***

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

**Business Open During Construction Signs**

The Contractor shall provide a "Business Open During Construction" sign at every non-residential driveway approach within the project limits.

**City of Federal Way Project Signs**

The Contractor shall provide two (2) City project signs (4' x 8') to be posted on either end of the project to display the project name, partners, and funding sources. The Contractor shall request the sign template from the City prior to fabrication.

**2-04.3(6)K Pedestrian Traffic Control**

***(November 14, 2025 CFW GSP)***

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

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

**2-04.4 Measurement**

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

***(April 22, 2025, APWA GSP)***

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

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

***(November 14, 2025 CFW GSP)***

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

"Other Temporary Traffic Control Devices" shall be inclusive of Construction Signs Class A and City Project signs.

## **2-04.5 Payment**

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

***(November 2, 2022 WSDOT GSP, OPTION 7)***

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

"Work Zone Safety Contingency", by force account.

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

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

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

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

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

"Uniformed Police Officer", per hour.

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

## **END OF DIVISION 2**

## DIVISION 3 EARTHWORK

### **3-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

#### **3-01.1 Description**

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

Section 3-01.1 is supplemented with the following:

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

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

### **3-01.3 Construction Requirements**

#### **3-01.3(4) Roadside Cleanup**

**(January 5, 1998 WSDOT GSP, OPTION 1)**

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

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

#### **3-01.3(5) Clearing Limit Fence**

**(April 12, 2018 CFW GSP)**

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

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

#### **3-01.4 Measurement**

**(April 12, 2018 CFW GSP)**

Section 3-01.4 is supplemented with the following:

“Clearing and Grubbing” will be measured on a lump sum basis. Installation, maintenance, and removal of the Clearing Limit Fence shall be included in the Clearing and Grubbing bid item.

#### **3-01.5 Payment**

**(April 12, 2018 CFW GSP)**

Section 3-01.5 is supplemented with the following:  
"Clearing and Grubbing", lump sum.

## **3-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

### **3-02.3 Construction Requirement**

#### **3-02.3(2)B Removal of Drainage Structures**

*(April 12, 2018 CFW GSP)*

Section 3-02.3(2)B is a new section:

Where shown in the Plans or where designated by the Engineer, the Contractor shall remove existing catch basins, manholes, pipes, and other drainage features in accordance with the Standard Specifications. Removal shall be conducted in such a manner as to prevent damage to surrounding facilities including any existing storm sewers, sanitary sewers, electrical conduits or other facilities to remain. All remaining facilities including but not limited to storm sewers, sanitary sewers, monuments, valves, vaults, and electrical conduits damaged due to the Contractor's operations shall be replaced by the Contractor to the satisfaction of the Engineer at no additional cost to the Contracting Agency. Catch basins, manholes, and other drainage structures designated for removal, including all debris, shall be completely removed. All removed catch basins, manholes, and other drainage structures shall become the property of the Contractor and shall be disposed of in accordance with the Standard Specifications. All undamaged frames, grates, and solid covers in a re-useable condition shall be the property of the City of Federal Way and shall be delivered to a location specified by the Engineer.

Sawcutting (full depth) of existing asphalt concrete pavement and cement concrete curb and gutter surrounding the structure required for removal will be considered incidental to the removal of the catch basin, manhole, or other drainage structures. Sawcuts shall be in accordance with Section 3-02 of these Special Provisions.

Backfilling of catch basins, manholes, pipes and other drainage structures to be removed and replaced shall not be performed until the new structure is installed and shall be in accordance with Section 7-05. Backfilling of a structure to be replaced shall be considered incidental to the construction and installation of the new catch basin, manhole, or other drainage structure. Backfilling of catch basins, manholes, pipes and other drainage structures to be completely removed shall be performed using gravel borrow paid in accordance with the Bid Schedule.

Prior to backfilling any voids, the Contractor shall remove pipe as noted in the plans. Pipe shown to be abandoned or ordered by the Engineer to be abandoned shall be filled with CDF in accordance with Section 3-07.3(1)E of the Standard Specifications. Plugging pipe ends shall be considered incidental and included in the pipe removal and no additional payment will be made.

The Contractor shall maintain existing drainage, where designated by the Engineer, until the new drainage system is completely installed and functioning.

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

*(November 4, 2025 CFW GSP)*

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

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

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

#### **3-02.4 Vacant**

**(November 4, 2025 CFW GSP)**

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

#### **3-02.4 Measurement**

"Sawcutting" will be measured by the linear foot.

"Remove Existing Catch Basin" will be measured per each.

"Remove Existing Storm Sewer Pipe" will be measured per lineal foot.

#### **3-02.5 Payment**

**(December 1, 2021 CFW GSP)**

Section 3-02.5 is supplemented with the following:

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

"Removal of Structures and Obstruction", lump sum. Structure Excavation Class B for the removal of items shall be considered included in this bid item.

"Sawcutting", per linear foot. Sawcutting necessary for utility and stormwater installation and removal are incidental to the measurement and payment of those contract items.

"Remove Existing Catch Basin", per each.

"Remove Existing Storm Sewer Pipe", per linear foot.

### **3-03 ROADWAY EXCAVATION AND EMBANKMENT**

#### **3-03.3 Construction Requirements**

##### **Section 3-03.3(3) Excavation Below Subgrade**

**(November 4, 2025 CFW GSP)**

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

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

##### **Section 3-03.3(10) Selected Material**

**(November 4, 2025 CFW GSP)**

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

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

### **Section 3-03.3(14)G Backfilling**

**(February 21, 2024 CFW GSP)**

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

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

### **Section 3-03.3(20) Wet Weather Earthwork**

**(November 4, 2025 CFW GSP)**

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

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

### **3-03.4 Measurement**

**(March 13, 1995 WSDOT GSP, OPTION 2)**

Section 3-03.4 is supplemented with the following:

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

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

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

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

**(November 4, 2025 CFW GSP)**

Section 3-03.4 is supplemented with the following:

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

### **3-03.5 Payment**

**(March 13, 1995 WSDOT GSP, OPTION 2)**

Section 3-03.5 is supplemented with the following:

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

## **3-07 STRUCTURE EXCAVATION**

### **3-07.3 Construction Requirements**

#### **3-07.3(1)E Backfilling**

***(April 12, 2018 CFW GSP)***

The first paragraph of Section 3-07.3(1)E is replaced with the following:

The backfilling of openings dug for Structures or for Removal of Structures and Obstructions shall be a necessary part of and incidental to the excavation. Backfill material shall be Gravel Borrow unless the use of native or other material is approved by the engineer.

### **3-07.4 Measurement**

### **3-07.5 Payment**

**END OF DIVISION 3**

## DIVISION 4 AGGREGATES AND BASES

### **4-01 PRODUCTION FROM QUARRY AND PIT SITES**

#### **4-01.4 Contractor Furnished Material Sources**

##### **4-01.4(1) Acquisition and Development**

**(April 12, 2018 CFW GSP)**

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

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

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

### **4-05 BALLAST AND CRUSHED SURFACING**

#### **4-05.3 Construction Requirements**

##### **4-05.3(3) Mixing**

**(April 12, 2018 CFW GSP)**

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

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

##### **4-05.3(4) Placing and Spreading**

**(April 12, 2018 CFW GSP)**

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

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

#### **4-05.5 Payment**

**(January 19, 2024 CFW GSP)**

Section 4-05.5 is supplemented with the following:

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

## END OF DIVISION 4

## DIVISION 5

### SURFACE TREATMENTS AND PAVEMENTS

#### **5-04 Hot Mix Asphalt**

**(January 31, 2023 APWA GSP)**

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

#### **5-04.1 Description**

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

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

#### **5-04.2 Materials**

Materials shall meet the requirements of the following sections:

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

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

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

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

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

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

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

Production of aggregates shall comply with the requirements of Section 4-01. Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates from stockpiles shall comply with the requirements of Section 4-02.

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

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

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

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

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

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

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

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

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

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

Mix designs for HMA accepted by Nonstatistical evaluation shall;

- Be designed for 5-10 million equivalent single axle loads (ESALS).

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

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

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

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

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

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

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

#### **5-04.3 Construction Requirements**

##### **5-04.3(1) Weather Limitations**

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

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

**Minimum Surface Temperature for Paving**

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

### **5-04.3(2) Paving Under Traffic**

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

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

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

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

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

### **5-04.3(3) Equipment**

#### **5-04.3(3)A Mixing Plant**

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

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

the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.

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

#### **5-04.3(3)B Hauling Equipment**

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

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

#### **5-04.3(3)C Pavers**

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

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

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

When specified in the Contract, reference lines for vertical control will be required. Lines shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line will be permitted. The grade and slope for intermediate lanes shall be controlled automatically from reference lines or by means of a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

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

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

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

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

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

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

To be approved for use, an MTV:

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

To be approved for use, an MTD:

1. Shall be positively connected to the paver.
2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

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

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

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

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

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

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

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

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

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

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

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

##### **5-04.3(4)A1 General**

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

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

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

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

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

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

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

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

Aggregates and RAP shall be stockpiled according to the requirements of Section 4-02. Sufficient storage space shall be provided for each size of aggregate and RAP. Materials shall be removed from stockpile(s) in a manner to ensure minimal segregation when being

moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall be kept separated until they have been delivered to the HMA plant.

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

#### **5-04.3(6) Mixing**

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

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

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

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

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

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

HMA Class 1"	0.35 feet
HMA Class 3/4" and HMA Class 1/2"	
wearing course	0.30 feet
other courses	0.35 feet
HMA Class 5/8"	0.15 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, the material produced for each JMF shall be placed by separate spreading and compacting equipment. The intermingling of HMA produced from more than one JMF is prohibited. Each strip of HMA placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

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

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

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

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

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

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

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

#### **HMA Tolerances and Adjustments**

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

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

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

For Aggregates in the mixture:

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

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1", $\frac{3}{4}$ ", $\frac{1}{2}$ ", and $\frac{3}{8}$ " sieves	+/- 6%	+/- 8%
No. 4 sieve	+/- 6%	+/- 8%
No. 8 Sieve	+/- 6%	+/- 8%
No. 200 sieve	+/- 2.0%	+/- 3.0%

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

2. Job Mix Formula Adjustments – An adjustment to the aggregate gradation or asphalt binder content of the JMF requires approval of the Engineer. Adjustments to the JMF will only be considered if the change produces material of equal or better quality and may require the development of a new mix design if the adjustment exceeds the amounts listed below.

- a. **Aggregates** – 2 percent for the aggregate passing the  $1\frac{1}{2}$ ", 1",  $\frac{3}{4}$ ",  $\frac{1}{2}$ ",  $\frac{3}{8}$ ", and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).
- b. **Asphalt Binder Content** – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent

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

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

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

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

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

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one day's production or 800 tons, whichever is less except that the final subplot will be a minimum of 400 tons and may be increased to 1200 tons.

All of the test results obtained from the acceptance samples from a given lot shall be evaluated collectively. If the Contractor requests a change to the JMF that is approved, the material produced after the change will be evaluated on the basis of the new JMF for the remaining sublots in the current lot and for acceptance of subsequent lots. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

Sampling and testing for evaluation shall be performed on the frequency of one sample per subplot.

### **5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling**

Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

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

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

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

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

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

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

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

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

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

<b>Table of Price Adjustment Factors</b>	
<b>Constituent</b>	<b>Factor "f"</b>
All aggregate passing: 1½", 1", ¾", ½", ⅜" and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids ( $V_a$ ) (where applicable)	20

Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job Mix Formula shown in Table of Price Adjustment

Factors, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested to provide a minimum of three sets of results for evaluation.

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

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

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

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

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

The Contractor may request a subplot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency,  $V_a$ . The results of the retest will be used for the acceptance of the HMA in place of the original subplot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of \$500 per sample.

#### **5-04.3 (9)D Mixture Acceptance – Commercial Evaluation**

If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the commercial tolerance limits in the Job Mix Formula shown in 5-04.3(9), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

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

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

#### **5-04.3(10) HMA Compaction Acceptance**

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a CPF of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge or Roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed and prior to opening to traffic.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

If the Contract includes the Bid item "Roadway Core", the cores shall be obtained by the Contractor in the presence of the Engineer on the same day the mix is placed and at locations designated by the Engineer. If the Contract does not include the Bid item "Roadway Core", the Contracting Agency will obtain the cores.

For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

### **Test Results**

For a subplot that has been tested with a nuclear density gauge that did not meet the minimum of 92 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core be used for determination of the relative density of the subplot. The relative density of the core will replace the relative density determined by the nuclear density

gauge for the subplot and will be used for calculation of the CPF and acceptance of HMA compaction lot.

When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the subplot have been provided or made available to the Contractor. Core locations shall be outside of wheel paths and as determined by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for cores. When the CPF for the lot based on the results of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies due or that may become due the Contractor under the Contract at the rate of \$200 per core and the Contractor shall pay for the cost of the traffic control.

#### **5-04.3(10)A HMA Compaction – General Compaction Requirements**

Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. Unless the Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode on bridge decks.

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

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

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

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

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

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

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one day's production or 400 tons, whichever is less except that the final subplot

will be a minimum of 200 tons and may be increased to 800 tons. Testing for compaction will be at the rate of 5 tests per subplot per WSDOT T 738.

The subplot locations within each density lot will be determined by the Engineer. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel ruts shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

#### **5-04.3(10)D2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing**

The location of the HMA compaction acceptance tests will be randomly selected by the Engineer from within each subplot, with one test per subplot.

#### **5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments**

For each compaction lot with one or two sublots, having all sublots attain a relative density that is 92 percent of the reference maximum density the HMA shall be accepted at the unit Contract price with no further evaluation. When a subplot does not attain a relative density that is 92 percent of the reference maximum density, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The maximum CPF shall be 1.00, however, lots with a calculated CPF in excess of 1.00 will be used to offset lots with CPF values below 1.00 but greater than 0.90. Lots with CPF lower than 0.90 will be evaluated for compliance per 5-04.3(11). Additional testing by either a nuclear moisture-density gauge or cores will be completed as required to provide a minimum of three tests for evaluation.

For compaction below the required 92%, a Non-Conforming Compaction Factor (NCCF) will be determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of CPF, the quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of mix.

#### **5-04.3(11) Reject Work**

##### **5-04.3(11)A Reject Work General**

Work that is defective or does not conform to Contract requirements shall be rejected. The Contractor may propose, in writing, alternatives to removal and replacement of rejected material. Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to the Engineer for approval.

##### **5-04.3(11)B Rejection by Contractor**

The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

#### **5-04.3(11)C Rejection Without Testing (Mixture or Compaction)**

The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

No payment will be made for the rejected materials or the removal of the materials unless the Contractor requests that the rejected material be tested. If the Contractor elects to have the rejected material tested, a minimum of three representative samples will be obtained and tested. Acceptance of rejected material will be based on conformance with the nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75, no payment will be made for the rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the Contracting Agency. If the material is rejected before placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added for the cost of removal and disposal.

#### **5-04.3(11)D Rejection - A Partial Sublot**

In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal subplot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### **5-04.3(12)B Bridge Paving Joint Seals**

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

#### **5-04.3(13) Surface Smoothness**

The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than  $\frac{1}{8}$  inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than  $\frac{1}{4}$  inch in 10 feet from the rate of transverse slope shown in the Plans.

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

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

3. By other method approved by the Engineer.

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

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

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

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

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

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

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

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

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

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

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

A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line

with vertical faces 2 inches or more in height, producing a smooth transition to the existing adjoining pavement.

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

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

**(June 13, 2023 CFW GSP)**

Section 5-04.3(14) is supplemented with the following:

Existing paving fabric encountered during planing shall be removed incidental to planing bituminous pavement. Additional street sweeping and disposal associated with paving fabric removal shall be incidental to planing bituminous pavement.

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

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

Should such metal be identified, promptly notify the Engineer.

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

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

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

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

In addition, the requirements of Section 2-03 and the traffic controls required in Section 2-04, and unless the Contract specifies otherwise or the Engineer approves, the Contractor must comply with the following:

1. Intersections:

- a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 2-04.3(2).

- b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.
- c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.
- d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.
- e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

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

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

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

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

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

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

1. A copy of the accepted traffic control plan, see Section 2-04.3(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.

2. A copy of each intersection's traffic control plan.
3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.
4. Names and locations of HMA supplier facilities to be used.
5. List of all equipment to be used for paving.
6. List of personnel and associated job classification assigned to each piece of paving equipment.
7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.
8. Names, job titles, and contact information for field, office, and plant supervisory personnel.
9. A copy of the approved Mix Designs.
10. Tonnage of HMA to be placed each day.
11. Approximate times and days for starting and ending daily operations.

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

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

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

- c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.
- d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.
- e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.
- f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.
- g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.
- h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
- i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
- j. Other items the Engineer deems necessary to address.

2. Paving – additional topics:

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

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

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

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

HMA approaches shall be constructed at the locations shown in the Plans or where staked by the Engineer. The Work shall be performed in accordance with Section 5-04.

### **5-04.3(17) Temporary Asphalt Pavement**

*(December 1, 2021 CFW GSP)*

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

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

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

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

### **5-04.4 Measurement**

HMA Cl. 1/2" PG 58H22" and "HMA for Pavement Repair Cl. 1/2" PG 58H22" will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

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

Planing bituminous pavement will be measured by the square yard.

*(April 12, 2018 CFW GSP)*

Section 5-04.4 is supplemented with the following:

Hot Mix Asphalt Temporary Pavement shall be measured by the ton of material actually placed, with no deduction being made for the weight of liquid asphalt, blending sand, mineral filler, or any other component of the mixture. Hot Mix Asphalt Temporary Pavement shall be paid under the "Temporary Pavement" bid item and shall include

placement and compaction of hot mix asphalt, removal and disposal of temporary pavement.

Cold Mix Asphalt Temporary Pavement will not be measured and shall be considered incidental to other bid items.

**(December 1, 2021 CFW GSP)**

Section 5-04.4 is supplemented with the following:

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

**5-04.5 Payment**

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

“HMA Cl. 1/2” PG 58H22”, per ton.

“HMA for Pavement Repair Cl. 1/2” PG 58H22”, per ton.

The unit Contract price per ton for “HMA Cl. 1/2” PG 58H22” and “HMA for Pavement Repair Cl. 1/2” PG 58H22” shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

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

The unit Contract price per cubic yard for “Pavement Repair Excavation Incl. Haul” shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4) with the exception, however, that all costs involved in the placement of HMA shall be included in the unit Contract price per ton for “HMA for Pavement Repair Cl. 1/2” PG 58H22”, per ton.

“Planing Bituminous Pavement”, per square yard.

The unit Contract price per square yard for “Planing Bituminous Pavement” shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(14).

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

**(December 1, 2021 CFW GSP)**

Section 5-04.5 is supplemented with the following:

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

**END OF DIVISION 5**

## DIVISION 6 STRUCTURES

### **6-02 CONCRETE STRUCTURES**

#### **6-02.3 Construction Requirements**

##### **6-02.3(2) Proportioning Materials**

###### **6-02.3(2)A Contractor Mix Design**

***(December 16, 2022 CFW GSP)***

The first sentence of the first paragraph of Section 6-02.3(2)A is deleted and replaced with the following:

The Contractor shall provide a mix design in writing to the Engineer for all classes of concrete.

###### **6-02.3(2)B Commercial Concrete**

***(December 16, 2022 CFW GSP)***

The last sentence of the first paragraph of Section 6-02.3(2)B is deleted and replaced with the following:

Commercial concrete requires mix design and source approvals for cement, aggregate, and other admixtures.

Section 6-02.3(2)B is supplemented with the following:

The concrete class requirements in paragraph one and two are applicable for Type I/II Portland cement. See Section 9.01.2(1)B for requirements for Type 1L cement.

#### **6-02.3(4) Construction Requirements**

##### **6-02.3(4)A Qualification of Concrete Suppliers**

***(November 25, 2025 WSDOT GSP, OPT 1)***

Section 6-02.3(4)A is revised to read:

Batch Plant Prequalification requires a certification by the National Ready Mix Concrete Association (NRMCA). Information concerning NRMCA certification may be obtained from the NRMCA at 900 Spring Street, Silver Springs, MD 20910 or online at [www.nrmca.org](http://www.nrmca.org). The NRMCA certification shall be valid for a 2-year period from the date of certificate. The following documentation shall be submitted to the Engineer; a copy of the current NRMCA Certificate of Conformance, the concrete mix design(s) (WSDOT Form 350-040), along with copies of the truck list, batch plant scale certification, admixture dispensing certification, and volumetric water batching devices (including water meters) verification.

For central-mixed concrete, the mixer shall be equipped with a timer that prevents the batch from discharging until the batch has been mixed for the prescribed mixing time. A mixing time of 1 minute will be required after all materials and water have been introduced into the drum. Shorter mixing time may be allowed if the mixer performance is tested in accordance with (AASHTO M157 Annex A1 Concrete Uniformity Requirements). Tests shall be conducted by an independent testing lab or by a commercial concrete producer's lab. If the tests are performed by a producer's lab, the Engineer or a representative will witness all testing.

For shrink-mixed concrete, the mixing time in the stationary mixer shall not be less than 30 seconds or until the ingredients have been thoroughly blended.

For transit-mixed or shrink-mixed concrete, the mixing time in the transit mixer shall be a minimum of 70 revolutions at the mixing speed designated by the manufacturer of the mixer. Following mixing, the concrete in the transit mixer may be agitated at the manufacturer's designated agitation speed.

All transit-mixers shall be equipped with an operational revolution counter and a functional device for measurement of water added. All mixing drums shall be free of concrete buildup and the mixing blades shall meet the minimum Specifications of the drum manufacturer. A copy of the manufacturer's blade dimensions and configuration shall be on file at the concrete producer's office. A clearly visible metal data plate (or plates) attached to each mixer and agitator shall display: (1) the maximum concrete capacity of the drum or container for mixing and agitating, and (2) the rotation speed of the drum or blades for both the agitation and mixing speeds. Mixers and agitators shall always operate within the capacity and speed-of-rotation limits set by the manufacturer. Mixers, when fully loaded, shall keep the concrete uniformly mixed. All mixers and agitators shall be capable of discharging the concrete at a steady rate. Only those transit-mixers which meet the above requirements will be allowed to deliver concrete to a Contracting Agency project covered by these Specifications.

In transit-mixing, mixing shall begin within 30 seconds after the cement is added to the aggregates.

For each project, at least biannually, or as required, the Plant Manager will examine mixers and agitators to check for buildup of hardened concrete or worn blades. If this examination reveals a problem, or if the Engineer wishes to test the quality of the concrete, slump tests may be performed with samples taken at approximately the  $\frac{1}{4}$  and  $\frac{3}{4}$  points as the batch is discharged. The maximum allowable slump difference shall be as follows:

If the average of the two slump tests is  $< 4$  inches, the difference shall be  $< 1$  inch or if the average of the two slump tests is  $> 4$  inches, the difference shall be  $< 1\frac{1}{2}$  inches.

If the slump difference exceeds these limits, the equipment shall not be used until the faulty condition is corrected. However, the equipment may continue in use if longer mixing times or smaller loads produce batches that pass the slump uniformity tests.

All concrete production facilities will be subject to verification inspections at the discretion of the Engineer. Verification inspections are a check for: current scale certifications; accuracy of water metering devices; accuracy of the batching process; and verification of coarse aggregate quality.

If the concrete producer fails to pass the verification inspection, the following actions will be taken:

1. For the first violation, a written warning will be provided.
2. For the second violation, the Engineer will give written notification and the Contracting Agency will assess a price reduction equal to 15 percent of the invoice cost of the concrete that is supplied from the time of the infraction until the deficient condition is corrected.

3. For the third violation, the concrete supplier is suspended from providing concrete until all such deficiencies causing the violation have been permanently corrected and the plant and equipment have been reinspected and meets all the prequalification requirements.
4. For the fourth violation, the concrete supplier shall be disqualified from supplying concrete for 1 year from the date of disqualification. At the end of the suspension period the concrete supplier may request that the facilities be inspected for prequalification.

#### **6-02.3(4)D Temperature and Time for Placement**

***(November 3, 2025 WSDOT GSP, OPT 1)***

Section 6-02.3(4)D is revised to read:

When conditions are such that the concrete may experience an accelerated initial set, the Engineer may require a shorter time to discharge. The time to discharge in the above table may be extended 15 minutes upon request from the Contractor and concurrence of the Engineer. Time extensions greater than 15 minutes require a Type 3 Working Drawing submittal. The submittal shall include:

1. An explanation of why an extended placement time is necessary for the Work.
2. The proposed concrete mix design, including the specified dosage of chemical admixtures for the anticipated range of concrete temperatures and details regarding when the admixtures are to be introduced into the mix. Type B (retarding) or Type D (water-reducing and retarding) chemical admixtures are required for structural or self-consolidating concrete.
3. Technical data sheets and supporting information from the admixture supplier indicating the appropriate chemical admixture dosage for the anticipated concrete temperatures, haul times, and working times.
4. The haul distance and estimated range of haul times.
5. The proposed maximum time to discharge for the mix(es) shall not exceed 3 hours.

## **6-10 CONCRETE BARRIER**

### **6-10.3 Construction Requirements**

#### **6-10.3(1) Precast Concrete Barrier**

***(December 16, 2022 CFW GSP)***

Section 6-10.3(1) is supplemented with the following:

The concrete class requirements are applicable for Type I/II Portland cement. See Section 9-01.2(1)B for requirements for Type 1L cement.

#### **6-10.3(2) Cast-In-Place Concrete Barrier**

***(December 16, 2022 CFW GSP)***

Section 6-10.3(2) is supplemented with the following:

The concrete class requirements are applicable for Type I/II Portland cement. See Section 9-01.2(1)B for requirements for Type 1L cement.

## END OF DIVISION 6

CITY OF FEDERAL WAY

2026 ASPHALT OVERLAY  
PROJECT #12526

SP-92

\*\*\*UNOFFICIAL COPY\*\*\* Official bid documents, plan holder's list, and addenda (if applicable)  
CFW SPECIAL PROVISIONS VER 12/25/129 CFWA.com

**DIVISION 7**  
**DRAINAGE STRUCTURES, STORM SEWERS,**  
**SANITARY SEWERS, WATER MAINS, AND CONDUITS**

**7-01 DRAINS**

**7-01.1 Description**

**(April 12, 2018 CFW GSP)**

Section 7-01.1 is supplemented with the following:

This work consists of removing and installing catch basins, installing stormwater media filters, and connecting wall drains to the storm drainage system.

**7-01.3 Construction Requirements**

**7-01.3(3) Cleanouts and Fittings for Drain and Underdrain Pipe**

**(April 12, 2018 CFW GSP)**

Section 7-01.3(3) is a new section:

The Contractor shall install cleanouts at the terminal end of any drain or underdrain pipe not entering into a drainage structure. Cleanouts shall be installed at 150' maximum spacing with a maximum of two (2) cleanouts per section of drain or underdrain pipe.

**7-01.5 Payment**

**(December 16, 2022 CFW GSP)**

Section 7-01.5 is supplemented with the following:

Excavation, laying pipe, fittings, cleanouts, pipe bedding, imported backfill material, construction geotextile, connections to new or existing storm drainage structures, haul and disposal of trench material to be wasted including unsuitable material, cleaning, and testing will not be measured as these items are incidental to the drain pipe and/or underdrain pipe pay item(s).

**7-04 Storm Sewers**

**7-04.2 Materials**

**(November 14, 2025 CFW GSP)**

The first two paragraphs of Section 7-04.2 are deleted and replaced with the following:

Materials shall meet the requirements of the following sections:

Solid Wall PVC Storm Sewer Pipe	9-05.12(1)
Reinforced Concrete Storm Sewer Pipe	9-05.7(2)
Polyvinyl Chloride (PVC) Pressure Pipe (4 inches and over)	9-30.1(5A)
Dual Wall HDPE Storm Sewer Pipe	9-05.12(3)
Ductile Iron Storm Sewer Pipe	9-05.13

**7-04.3 Construction Requirements**

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

**(April 12, 2018 CFW GSP)**

Section 7-04.3(1) is supplemented with the following:

Cleaning and testing of storm sewer pipe shall be in accordance with Section 7-04.3(1) of the Standard Specifications, except as modified herein:

Any departures from the best construction practices by the Contractor, such as pipe line misalignment, presence of foreign matter in the pipes or catch basins, poor catch basin construction, etc., shall be corrected by the Contractor at the Contractor's own expense. Testing will not be authorized until such corrections have been made to the satisfaction of the Engineer.

#### **7-04.5 Payment**

**(December 16, 2022 CFW GSP)**

Section 7-04.5 is supplemented with the following:

"Ductile Iron Storm Sewer Pipe 12 In. Diam.", per linear foot.

Section 7-04.5 is modified as follows:

The unit contract price per linear foot of storm sewer pipe of the type and size specified shall be full pay for furnishing all tools, labor, and equipment, and materials necessary for its complete installation, including, but not limited to: sawcutting for trench, sawcutting for "T-Cut" for trench restoration, pavement removal, trench excavation, dewatering (if required), temporary flow bypass, laying pipe, pipe bedding, imported backfill, compaction, connection to new or existing storm sewers or drainage structures, haul and disposal of trench material to be wasted including unsuitable material, cleaning and testing, and costs related to maintaining existing drainage system during construction or to provide temporary drainage systems.

90% of payment will be made once the storm sewer pipe is installed. The remaining 10% will be paid once pipe testing has been completed with satisfactory results. The engineer will have the discretion to adjust these payment percentages as may be appropriate. Payment percentages may be adjusted for any reason the engineer deems necessary, including but not limited to, a high number of unsatisfactory test results.

### **7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS**

#### **7-05.3 Construction Requirements**

**(March 22, 2023 CFW GSP)**

Section 7-05.3 is supplemented with the following:

Storm drain cleanouts shall be provided for retaining wall drainage and connected to the storm drainage system at the locations specified in the plans or as directed by the Engineer.

All lids located within sidewalk areas, along an ADA pedestrian route, or in other accessible surfaces within the public right-of-way or on publicly owned properties, must meet ADA requirements and be slip-resistant. Acceptable slip-resistant products shall be non-slip methyl methacrylate (MMA) coating. Placement of the non-slip MMA coating shall be in accordance with the manufacturer's recommendations. Vertical edges of the utility shall be flush with the adjoining surface to the extent possible after installation.

The following requirements shall be applicable to both existing and proposed structures, as shown in the plans, or as designated by the Engineer:

##### **Vaned Grate vs Solid Lid**

A vaned grate and associated frame shall be installed on manholes and catch basins located where they will accept runoff. Bi-directional vaned grates shall be installed at all roadway sag locations and at low points along curb returns.

All structures not receiving surface runoff shall include solid lids, unless otherwise indicated in the plans or directed by the Engineer.

#### **Locking vs Non-Locking Lid**

All lids and frames shall be locking unless shown as non-locking on plans or directed otherwise by the Engineer. The Contractor shall place anti-seize compound on all locking lid bolts prior to the final project punch list inspection.

#### **Round vs Square Lid**

All structures, new or existing, shall utilize round lids, except for those that accept surface runoff (i.e. those located along a gutter flow line). Catch basins shall include conversion risers to accommodate round lids where indicated in the plans or directed by the Engineer.

#### **Heavy-Duty Hinged Frames and Covers**

Heavy-duty hinged frames and covers shall be installed whenever round, solid lids are required as outlined above.

### **7-05.3(1) Adjusting Manholes and Catch Basins to Grade**

**(November 14, 2025 CFW GSP)**

Section 7-05.3 is supplemented with the following:

The pavement shall be removed to a neat circular shape for circular grates and covers and a neat rectangular shape for rectangular grates and covers.

Where existing structures are located within the wheel path of a travel lane, adjusting of manholes and catch basins shall include conversion risers and heavy duty locking frames and covers and high-impact risers.

### **7-05.3(3) Connections to Existing Manholes**

**(April 12, 2018 CFW GSP)**

Section 7-05.3(3) is supplemented with the following:

The requirements of this section shall also apply to connections to existing catch basins.

### **7-05.3(5) Connections to Existing Pipe**

**(April 12, 2018 CFW GSP)**

Section 7-05.3(5) is a new section:

The contractor shall connect (or reconnect) existing pipes to new manholes or catch basins without obstructing flow from upstream locations.

### **7-05.3(6) Cleaning**

**(April 12, 2019 CFW GSP)**

Section 7-05.3(6) is a new section:

Prior to final project acceptance by the City, the Contractor shall be responsible to ensure the sumps of all manholes, inlets, catch basins, and drywells are clean of sediment and debris.

### **7-05.4 Measurement**

**(January 19, 2024 CFW GSP)**

Section 7-05.4 is supplemented with the following:

“Non-slip MMA Coating for Lids” will be measured per lump sum.

### **7-05.5 Payment**

**(January 19, 2024 CFW GSP)**

Section 7-05.5 is supplemented with the following:

The unit contract price for catch basins and/or manholes shall be full pay for furnishing all labor, tools, equipment, and materials necessary to complete each unit according to the Plans and Specifications. This includes all sawcutting, pavement removal and disposal, excavation, dewatering (if required), temporary flow bypass, connections to existing and new pipe, foundation material, bedding, imported backfill, compaction, surface restoration, testing, cleaning, and furnishing and placing of all accessories and conversion risers, temporary patching hot mix to allow for the passage of traffic, and other items as applicable. Frames and grates or rings and covers, grade rings and adjustment risers including conversion risers, and non-slip MMA coating for new lids in accessible surfaces shall be considered incidental to this bid item and will not be measured for separate payment. 50% of payment will be made once the catch basin or manhole is installed and the pipe inlets and outlets are grouted. The remaining 50% will be paid once risers/rings are grouted to the satisfaction of the City, the frame/grate is installed, and non-slip MMA coating is applied.

The unit contract price for "Adjust Manhole" and/or "Adjust Catch Basin" and/or "Adjust Inlet" applies to existing storm drainage catch basins, inlets, and manholes that require adjustment to grade by addition or removal of adjustment risers. The unit contract price includes all labor, tools, equipment, and materials necessary to adjust to finished grade, sawcutting, temporary patching hot mix to allow for the passage of traffic, restoration of the area around the adjusted structure, and providing new rings and covers or frames and grates. Conversion of catch basin/manhole/inlet lids (i.e. convert to heavy duty, solid, round locking lid) shall be included in this bid item. Grade rings and adjustment risers (concrete or high-impact) shall be considered incidental to this bid item and will not be measured for separate payment. Non-slip MMA coating for lids in accessible surfaces shall be considered incidental to this bid item and will not be measured for separate payment. Payment will be made once the adjustment is fully complete and grouted. Partial payment will not be made if risers have been added, but the grouting has not been completed to the satisfaction of the City.

The unit contract price for "Connection to Drainage Structure" applies to connecting new storm drain pipe to existing storm drainage catch basins and manholes and includes all labor, tools, equipment, and materials necessary to core drill the existing drainage structure and provide the necessary pipe connection. Any associated sawcutting, pavement removal and disposal, excavation, imported backfill, compaction, and pavement restoration are incidental to this bid item.

"Non-slip MMA Coating for Lids", per lump sum.

### **7-07 CLEANING EXISTING DRAINAGE STRUCTURES**

#### **7-07.5 Payment**

**(April 12, 2018 CFW GSP)**

Section 7-07.5 is replaced with the following:

All costs associated with cleaning existing drainage structures shall be considered incidental to and included in the various bid items and no additional payment shall be made.

## **7-08 GENERAL PIPE INSTALLATION REQUIREMENTS**

### **7-08.3(1)A Trenches**

**(March 22, 2023 CFW GSP)**

Section 7-08.3(1)A is supplemented with the following:

Where water is encountered in the trench, it shall be removed during pipe-laying operations and the trench so maintained until the ends of the pipe are sealed and provisions are made to prevent floating of the pipe. Trench water or other deleterious materials shall not be allowed to enter the pipe at any time.

Trenching may disturb existing pavement markings that are not shown to be replaced in the plans. All such pavement markings damaged by trenching shall be repaired after trenching is backfilled and restored. The new pavement markings shall match the damaged pavement marking. All pavement marking repair cost shall be incidental to the pipe installation, including all necessary labor and materials.

### **7-08.3(3) Backfilling**

**(December 16, 2022 CFW GSP)**

Section 7-08.3(3) is supplemented with the following:

Initial backfilling shall be performed only after inspection and approval of the installed pipe. Backfill shall be accomplished in such a manner that the pipe is not damaged by impact or overloading. Water settling will not be permitted.

If there is an excess of acceptable backfill material obtained from trench excavation at one location on the project, the Contractor may request approval from the City to use it at other locations on the project. Native backfill stockpiles shall be protected to prevent excessive wetting. The cost of transporting the excess backfill material shall be considered incidental to the pipe or structure backfilled.

## **7-12 VALVES FOR WATER MAINS**

### **7-12.4 Measurement**

**(December 1, 2021 CFW GSP)**

Section 7-12.4 is supplemented with the following:

“Adjust Water Valve to Grade” will be measured per each.

### **7-12.5 Payment**

**(December 1, 2021 CFW GSP)**

Section 7-12.5 is replaced with the following:

The unit contract price for “Adjust Water Valve to Grade” applies to existing water valves that require adjustment to grade. The unit contract price includes all labor, tools, equipment, and materials necessary to adjust valves to finished grade, sawcutting, temporary patching hot mix to allow for the passage of traffic, restoration of the area around the adjusted structure. Non-slip MMA coating for lids in accessible surfaces shall be considered incidental to this bid item and will not be measured for separate payment. Payment will be made once the adjustment is fully complete.

## **7-17 SANITARY SEWERS**

### **7-17.4 Measurement**

**(September 20, 2024 CFW GSP)**

Section 7-17.4 is supplemented with the following:

“Adjust Sanitary Sewer Manhole” will be measured per each.

### **7-17.5 Payment**

**(September 20, 2024 CFW GSP)**

Section 7-17.5 is supplemented with the following:

The unit contract price for “Adjust Sanitary Sewer Manhole” applies to existing manholes that require adjustment to grade by addition or removal of adjustment risers. The unit contract price includes all labor, tools, equipment, and materials necessary to adjust to finished grade, sawcutting, temporary patching hot mix to allow for the passage of traffic, restoration of the area around the adjusted structure, and providing new rings and covers or frames and grates. Grade rings and adjustment risers (concrete or high-impact) shall be considered incidental to this bid item and will not be measured for separate payment. Non-slip MMA coating for lids in accessible surfaces shall be considered incidental to this bid item and will not be measured for separate payment. Payment will be made once the adjustment is fully complete and grouted. Partial payment will not be made if risers have been added, but the grouting has not been completed to the satisfaction of the City.

**END OF DIVISION 7**

## DIVISION 8

### MISCELLANEOUS CONSTRUCTION

#### **8-01 EROSION CONTROL AND WATER POLLUTION CONTROL**

##### **8-01.3 Construction Requirements**

###### **8.01.3(1) General**

***(April 12, 2018 CFW GSP)***

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

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

###### **8-01.3(1)A Submittals**

***(April 12, 2018 CFW GSP)***

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

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

The SWPPP shall document all the erosion and sediment control Best Management Practices (BMPs) proposed, whether permanent or temporary. The plan shall document installation procedures, materials, scheduling, and maintenance procedures for each erosion and sediment control BMP. The Contractor shall submit the SWPPP for the Engineer's approval before any work begins. The Contractor shall allow at least five working days for the Engineer's review of the initial SWPPP or any revisions to the modified SWPPP. Failure to approve all or part of any such plan shall not make the Contracting Agency liable to the Contractor for any work delays. The Contractor may not begin work without an approved Contractor's SWPPP.

The Contractor shall complete and modify the SWPPP to meet the Contractor's schedule and method of construction. All TESC Plans shall meet the requirements of the current edition of the WSDOT Temporary Erosion and Sediment Control Manual M 3109 and be adapted as needed throughout construction based on site inspections and discharge samples to maintain compliance with the CSWGP. The Contractor shall develop a schedule for implementation of the SWPPP work and incorporate it into the Contractor's progress schedule.

In addition, the SWPPP shall outline the procedures to be used to prevent high pH stormwater or dewatering water from entering surface waters. The plan shall include how the pH of the water will be maintained between pH 6.5 and pH 8.5 prior to being discharged

from the project or entering surface waters. Prior to beginning any concrete or grinding work, the Contractor shall submit the plan, for the Engineer's review and approval.

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

Narrative discussing and justifying erosion control decisions (12 elements)

Drawings illustrating BMPs types and locations

Engineering calculations for ponds and vaults used for erosion control

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

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

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

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

### **Turbidity and pH Exceedances**

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

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

#### **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

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

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

3. Submit to the Engineer no later than the end of the next working day following the inspection a TESC Inspection Report that includes:
  - a. When, where, and how BMPs were installed, maintained, modified, and removed.
  - b. Observations of BMP effectiveness and proper placement.

- c. Recommendations for improving future BMP performance with upgraded or replacement BMPs when inspections reveal TESC BMP deficiencies.
- d. Identify for each discharge point location whether there is compliance with state water quality standards in WAC 173-201A for turbidity and pH.

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

#### **8-01.3(2)B Seeding and Fertilizing**

***(September 3, 2019 WSDOT GSP, OPTION 3)***

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

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

## **8-02 ROADSIDE RESTORATION**

### **8-02.3 Construction Requirements**

#### **8-02.3(1) Responsibility During Construction**

***(April 12, 2018 CFW GSP)***

Section 8-02.3(1) is supplemented with the following:

Landscape construction is anticipated to begin after all curbs, sidewalks, walls, and associated roadside work is completed. Landscape materials shall not be installed until weather permits and installation has been authorized by the Engineer. If water restrictions are anticipated or in force, planting of landscape materials may be delayed.

Throughout planting operations, the Contractor shall keep the premises clean, free of excess soils, plants, and other materials, including refuse and debris, resulting from the Contractor's work. At the end of each work day, and as each planting area is completed, it shall be neatly dressed, and all surrounding walks and paved areas shall be cleaned to the satisfaction of the Engineer. No flushing will be allowed. At the conclusion of work, the Contractor shall remove surplus soils, materials, and debris from the construction site and shall leave the project in a condition acceptable to the Engineer.

#### **8-02.3(5) Planting Area Preparation**

***(April 12, 2018 CFW GSP)***

Section 8-02.3(5) is supplemented with the following:

Thoroughly scarify subgrade in tree, and seeded lawn areas to a minimum depth of six-inches (6") except within critical root zones of existing trees to remain, as noted on plans. Scarified subgrade shall be inspected and approved by the Engineer prior to the placement of topsoil. Remove all construction debris and rocks over two-inches (2") in diameter prior to placing topsoil.

Scarified subgrade shall be inspected and approved by the Engineer prior to placement of topsoil. Upon approval of the subgrade, Topsoil A shall be installed to a minimum depth of 4 inches lightly compacted depth in all seeded areas, unless otherwise noted on plans.

Lightly compact soil and establish a smooth and uniform finished grade to allow to surface drainage and prevents ponding.

The areas shall be brought to a uniform grade, 1 inch, or the specified depth of mulch, below walks, curbs, junction and valve boxes, and driveways, unless otherwise specified.

The costs of removing all excess material and debris shall be considered incidental to and included in the unit contract prices of other items in this contract.

#### **8-02.3(6)B Fertilizers**

***(September 3, 2019 WSDOT GSP, OPTION 3)***

Section 8-02.3(6)B is supplemented with the following:

Fertilizer shall be a commercially prepared mix of 10-20-20 and shall be applied at the rate of 10 pounds per 1000 square feet.

#### **8-02.3(8) Planting**

***(September 20, 2024 CFW GSP)***

Section 8-02.3(8) is supplemented with the following:

All Topsoil Type A required to plant trees and bark mulch for topdressing, as specified in the plans, shall be considered incidental to and included in the unit contract price of the trees.

Use loosened and replaced compacted mineral native soil without organics under tree rootball. Use topsoil on sides of tree rootball only. Use full depth topsoil for shrubs.

Trees shall be handled by the rootball, not by the trunk. Burlap and wire shall remain intact until trees are set in their final positions within each planting pit.

Plant trees and shrubs upright and rotate in order to give the best appearance or relationship to adjacent plants, topography, and structures. Hold plant rigidly in position until topsoil has been backfilled and water settled free of voids and air pockets and tamped firmly around the ball or roots.

When the pit is backfilled halfway, place the specified quantity of fertilizer plant tablets and stakes as shown in the Plans. Evenly space the fertilizer tablets around the perimeter of, and immediately adjacent to the root system. Carefully place water and compact planting topsoil, filling all voids. Tree root crowns to be 1" higher than finished grade to allow for settlement.

When the planting pit is three quarters backfilled, fill with water and allow water to soak away. Fill the pits with additional topsoil to finish grade and continue backfilling as detailed in the Plans. Water trees immediately after planting.

The contractor shall place pea gravel flush with bottom of tree grates in tree wells in accordance with City Standard Details.

#### **8-02.3(9)B Seeding and Fertilizing**

***(September 3, 2019 WSDOT GSP, OPTION 2)***

Section 8-02.3(9)B is supplemented with the following:

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

### **8-02.3(10) Fertilizer**

**(April 12, 2018 CFW GSP)**

Section 8-02.3(10) is supplemented with the following:

All fertilizers shall be furnished in standard unopened containers with weight, name of plant nutrients and manufacturer's guaranteed statement of analysis clearly marked, in accordance with State and Federal law.

Seeded areas, trees, and shrubs shall be fertilized at a rate according to fertilizer manufacturer's recommendations.

### **8-02.3(11) Bark or Wood Chip Mulch**

**(March 22, 2023 CFW GSP)**

Section 8-02.3(11) is supplemented with the following:

Bark Mulch shall be placed over all tree planting pits to a depth no less than two (2) inches, or as detailed in the Plans. Thoroughly water and hose down plants with a fine spray to wash the leaves of the plants immediately after application.

### **8-02.3(17) Protection of Private Property and Property Restoration**

**(March 22, 2023 CFW GSP)**

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

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

The Contractor is specifically reminded that any unnecessary damage caused by construction activities will be repaired at the Contractor's expense.

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

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

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

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

The force account provided for property restoration also includes any adjustments and/or replacements of existing irrigation systems not covered under Section 8-03 Irrigation Systems of the Special Provisions. This work shall also consist of modifying existing landscape lighting systems as may become necessary by these improvements.

The Contractor is advised that protecting existing private irrigation and lighting systems from damage does not constitute a basis for claim or extra work.

#### **8-02.4 Measurement**

**(April 12, 2018 CFW GSP)**

Section 8-02.4 is supplemented with the following:

Topsoil, bark mulch, compost, and/or soil amendments will be measured by the cubic yard in the haul conveyance at the point of delivery.

“Seeded Lawn” will be measured in square yards of actual lawn completed, established, and accepted.

“Property Restoration” will be paid by force account and must be approved by the engineer prior to completing the work.

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

#### **8-02.5 Payment**

**(April 12, 2018 CFW GSP)**

Section 8-02.5 is supplemented with the following:

“Bark or Wood Chip Mulch” per cubic yard. The unit contract price shall be full pay for furnishing and spreading the mulch.

“Seeded Lawn” per square yard. The unit contract price will include all preparation, fertilizer, establishment, and mowing as called for in the specifications.

“Property Restoration” per force account.

### **8-03 IRRIGATION SYSTEMS**

#### **8-03.1 Description**

**(April 12, 2018 CFW GSP)**

Section 8-03.1 is supplemented with the following:

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

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

The Contractor is responsible to coordinate with affected property owners to ensure their existing sprinkler systems are fully functional before they are disturbed.

#### **8-03.3 Construction Requirements**

**(April 12, 2018 CFW GSP)**

Section 8-03.3 is supplemented with the following:

All work shall be in strict conformance with the Lakehaven Water and Sewer District Water System and Sewer Standards, together with the plans, details and manufacturer's written information regarding recommended installation procedures. References to the use of

galvanized pipe in the Standard Specifications and Amendments shall be replaced with Schedule 80 PVC or other Engineer accepted pipe material.

Private sprinkler irrigation systems found to encroach within the limits of improvements shall be modified as necessary to remove the encroachment and to ensure satisfactory operation of the remaining system. The Contractor shall ensure that existing private systems remain in operation during the construction of this project. The Contractor shall furnish temporary water to disconnected existing irrigation systems. Private irrigation systems that have been damaged during construction activities shall be repaired within 5 working days. The Contractor shall be liable for any damage due to irrigation facilities damaged by his operations and shall repair such damaged facilities to an "equal or better than" original condition. This work will include, but not be limited to, cutting and capping existing pipe, relocating existing risers and sprinkler heads new pipe heads and connections, and testing of the system. Payment will be by Force Account for Property Restoration.

#### **8-03.3(1) Layout of Irrigation System**

***(April 12, 2018 CFW GSP)***

Section 8-03.3(1) is supplemented with the following:

A Contractor-designed plan of the proposed irrigation system shall be submitted to the City for approval prior to completing the work.

#### **8-03.3(7) Flushing and Testing**

***(April 12, 2018 CFW GSP)***

Section 8-03.3(7) is supplemented with the following:

The Contractor shall pretest and prove functional then advise the Engineer at least 48 hours before pressure and coverage tests are to be conducted and shall have the approval of the Engineer before backfilling. Mainlines shall be tested at 140 PSI and PVC lateral lines at 50 PSI. Before the sprinkler system will be accepted, the Contractor, in the presence of the Engineer, shall perform a sprinkler head water coverage test to determine if the water coverage and operation of the system is complete and satisfactory. If any part of the system is inadequate it shall be repaired or replaced at the Contractor's expense and the test repeated until accepted.

All backfilled trenches shall be repaired by the Contractor at his expense, including restoration of plant materials.

#### **8-03.4 Measurement**

***(April 12, 2018 CFW GSP)***

Section 8-03.4 is supplemented with the following:

#### **8-03.5 Payment**

***(April 12, 2018 CFW GSP)***

Section 8-03.5 is supplemented with the following:

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

All costs for furnishing and installing controller, pads, enclosures, conduit, wiring, irrigation controller, all control wiring, backflow preventer, vault enclosures, valves, piping, and all other required components for a fully functional system where indicated and as detailed in the Plans and all costs of inspections and tests performed on Cross Connection Control shall be considered incidental to and included in the unit contract price for Irrigation System.

## **8-04 CURBS, GUTTERS, AND SPILLWAYS**

### **8-04.3 Construction Requirements**

**(September 20, 2024 CFW GSP)**

Section 8-04.3 is supplemented with the following:

The sub-base for curb and gutter sections shall be compacted to 95 percent density at or below optimum moisture content, as per Section 3-03.3(14)D revised, before placing the curb and gutter.

White-pigmented curing compounds will not be allowed.

The top of the finished concrete shall not deviate more than one-eighth (1/8") in ten feet (10') or the alignment one-fourth (1/4") in ten feet (10').

Where shown in the Plans, the concrete curb will be ramped for wheel chairs as shown in the City of Federal Way Standard Details and WSDOT Standard Plans.

Where shown in the Plans, the Contractor shall paint the curbs with 2-coats of yellow paint. Paint and application shall conform to the Standard Specifications for traffic paint striping.

### **8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

**(December 16, 2022 CFW GSP)**

Section 8-04.3(1) is supplemented with the following:

The concrete class requirements in paragraph one are applicable for Type I/II Portland cement. See Section 9.01.2(1)B for requirements for Type 1L cement.

### **8-04.3(6) Catch Basin Grouting & Repair**

**(February 14, 2025 CFW GSP)**

Section 8-04.3(6) is a new section:

When installation of new curb and/or curb and gutter disturbs existing catch basins, the Contractor shall adjust the catch basin as needed and shall grout the catch basin. No wooden shims may be used for adjustment.

### **8-04.4 Measurement**

**(February 14, 2025 CFW GSP)**

Section 8-04.4 is supplemented with the following:

Painting of curbs, where required, will not be measured and is considered incidental to the unit price of the type of curb.

Minor adjustments and grouting of catch basins within areas of replaced curbs or curb and gutters is considered incidental to the unit price of the type of curb.

## **8-06 CEMENT CONCRETE DRIVEWAY ENTRANCES**

### **8-06.3 Construction Requirements**

***(December 16, 2022 CFW GSP)***

Section 8-06.3 is supplemented with the following:

The concrete class requirements in paragraph one are applicable for Type I/II Portland cement. See Section 9.01.2(1)B for requirements for Type 1L cement.

All driveways shall remain open except as necessary to permit curing of construction materials or for short periods of time as required for excavations. However, at least one (1) driveway per parcel shall remain open to vehicular traffic at all times unless otherwise approved by the Engineer and affected property owner in writing. If a parcel has only one driveway, then that driveway must be constructed one-half at a time to allow the passage of vehicles. The amount of time that a driveway can be closed will be limited. To meet these requirements, the Contractor may use a quick setting concrete. The Engineer shall approve the quick-setting mix prior to use.

Property owners shall be notified in writing at least 48 hours in advance of any planned driveway closures

Crushed rock may be used, with Engineer approval, to maintain a driving surface.

### **8-06.5 Payment**

***(April 12, 2018 CFW GSP)***

Section 8-06.5 is supplemented with the following:

If the Contractor chooses to use a quick-setting concrete mix for driveway construction, any additional costs to use such mix shall be incidental to the bid item for "Cement Conc. Driveway" and no additional payment will be made.

If the Contractor chooses to use crushed rock to maintain a driveway surface, it shall be incidental to the bid item for "Cement Conc. Driveway" and no additional payment shall be made.

## **8-07 PRECAST TRAFFIC CURB**

### **8-07.3 Construction Requirements**

#### **8-07.3(16) Installing Curbs**

***(September 20, 2024 CFW GSP)***

Section 8-07.3(16) is supplemented with the following:

Nosing pieces will be required at the exposed ends of curbs.

## **8-09 RAISED PAVEMENT MARKERS**

### **8-09.1 Description**

***(September 20, 2024 CFW GSP)***

Section 8-09.1 is supplemented with the following:

RPMs shall be installed in accordance with City of Federal Way Standard Details. Type 2BB RPMs (blue, bi-directional) shall be installed at all hydrant locations, near the center line of the street, offset to the side of the street containing the hydrant.

## **8-13 MONUMENT CASES**

### **8-13.2 Materials**

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

Section 8-13.2 is supplemented with the following:

The pipe shall be Schedule 40 galvanized pipe.

### **8-13.3(1) Monument Case and Cover**

**(November 24, 2025 CFW GSP)**

The last paragraph of Section 8-13.3(1) is revised to read:

The monument will be furnished and set by the Contractor. A City of Federal Way Monument Record form shall be completed and stamped by a Professional Land Surveyor and submitted to the Project Engineer for each monument installed by the Contractor. Vertical measurements shall be on the NGVD 29 vertical datum. Horizontal positions shall be state plane coordinates on NAD 83/91 datum.

### **8-13.3(2)A Removing and Lowering Monument Case and Cover**

**(November 24, 2025 CFW GSP)**

Section 8-13.3(2)A is supplemented with the following:

When existing monument cases are lowered prior to planing and/or paving, it is the Contractor's responsibility to notify the City of monument cases that are not able to be opened, lowered, and/or raised. If the Contractor does not notify the City of existing damage/issues with monument cases prior to planing and/or paving, any such damages/issues shall be the responsibility of the Contractor to repair and/or replace.

### **8-13.3(2)B Reinstalling Monument Case and Cover**

**(November 24, 2025 CFW GSP)**

Section 8-13.3(2)B is supplemented with the following:

The concrete class requirements listed are applicable for Type I/II Portland cement. See Section 9.01.2(1)B for requirements for Type 1L cement.

### **8-13.3(3)C Permit to Remove or Destroy Survey Monuments**

**(January 19, 2024 CFW GSP)**

Section 8-13.3(3)C is a new Section.

In accordance with RCW 58.24.040(8), no cadastral or geodetic survey monument may be disturbed without a valid permit to remove or destroy a survey monument, issued by the Washington State Department of Natural Resources. Permit applications can be obtained on the DNR Public Land Survey Office website. The permit application must be stamped by a registered Washington State Land Surveyor. The Contractor shall obtain the permit to Remove or Destroy a survey monument as necessary. All costs to obtain and comply with the permit shall be considered incidental to other bid items and no additional payment will be made.

### **8-13.4 Measurement**

**(November 24, 2025 CFW GSP)**

The first paragraph of Section 8-13.4 is supplemented as follows:

Incidental to "Monument Case and Cover" is the installation of survey monuments (i.e. brass discs) and the preparation of the City of Federal Way Monument Record form which shall be completed and stamped by a Professional Land Surveyor and submitted to the Project Engineer for each new monument installed by the Contractor.

### **8-13.5 Payment**

**(November 24, 2025 CFW GSP)**

The first paragraph of Section 8-13.4 is revised to read:

Payment for "Monument Case and Cover", per each, will be paid as follows:

- 50% of bid item – Upon satisfactory installation of monument, case, and cover.
- 100% of bid item – Upon City's acceptance of satisfactory Monument Record Forms.

### **8-14 CEMENT CONCRETE SIDEWALKS**

#### **8-14.2 Materials**

**(December 16, 2022 CFW GSP)**

Section 8-14.2 is supplemented with the following:

The Cement Concrete Sidewalk and curb ramps shall be constructed of Class 4000 concrete or greater if Type I/II Portland cement is used. If Type 1L Blended hydraulic cement is used, see 9-01.2(1)B.

#### **8-14.3 Construction Requirements**

**(December 16, 2022 CFW GSP)**

Section 8-14.3 is supplemented with the following:

The concrete class requirements in paragraph one are applicable for Type I/II Portland cement. See Section 9.01.2(1)B for requirements for Type 1L cement.

**(April 3, 2017 WSDOT GSP, OPTION 1)**

Section 8-14.3 is supplemented with the following:

The Contractor shall request a pre-meeting with the Engineer to be held 2 to 5 working days before any work can start on cement concrete sidewalks, curb ramps or other pedestrian access routes to discuss construction requirements. Those attending shall include:

1. The Contractor and Subcontractor in charge of constructing forms, and placing, and finishing the cement concrete.
2. Engineer (or representative) and Project Inspectors for the cement concrete sidewalk, curb ramp or pedestrian access route Work.

Items to be discussed in this meeting shall include, at a minimum, the following:

1. Slopes shown on the Plans
2. Inspection
3. Traffic control
4. Pedestrian control, access routes and delineation
5. Accommodating utilities
6. Form work
7. Installation of detectable warning surfaces
8. Contractor ADA survey and ADA Feature as-built requirements
9. Cold Weather Protection

**(January 7, 2019 WSDOT GSP, OPTION 2)**

Section 8-14.3 is supplemented with the following:

**Timing Restrictions**

Curb ramps shall be constructed on one leg of the intersection at a time. The curb ramps shall be completed and open to traffic within five calendar days before construction can begin on another leg of the intersection unless otherwise allowed by the Engineer.

Unless otherwise allowed by the Engineer, the five calendar day time restriction begins when an existing curb ramp for the quadrant or traffic island/median is closed to pedestrian use and ends when the quadrant or traffic island/median is fully functional and open for pedestrian access.

**(January 7, 2019 WSDOT GSP, OPTION 3)**

Section 8-14.3 is supplemented with the following:

**Layout and Conformance to Grades**

Using the information provided in the Contract documents, the Contractor shall layout, grade, and form each new curb ramp, sidewalk, and curb and gutter.

**(March 22, 2023 CFW GSP)**

Section 8-14.3 is supplemented with the following:

Cement concrete sidewalk thickness shall be as shown in the Plans. Score joints shall be constructed at a maximum distance of 5 feet from each full depth expansion joint, except where specific dimensions are detailed in the Plans. Asphalt mastic joint fillers in the sidewalk shall be 3/8" x 4" and of the same material as that used in the curb, and shall be placed in the same location as that in the curb.

No concrete for sidewalk shall be poured against dry forms or dry subgrade.

The Contractor may provide suitable vibrating finishers for use in finishing concrete sidewalks. The type of vibrator and its method of use shall be subject to the approval of the City.

All completed work shall be so barricaded as to prevent damage. Any damaged sections shall be removed and replaced at the Contractor's expense. Landscaped areas disturbed during construction shall be restored to original condition at the Contractor's expense.

Scored Cement Concrete Sidewalk shall be broom finished and scored as detailed in the Plans.

**(\*\*\*2026 ASPHALT OVERLAY SPECIAL PROVISION\*\*\*)**

Prior to construction, "King County Metro Pads 'STOP X'" locations shall be visually confirmed by Engineer. Back of "Bus Pads" must be a minimum of 8 feet from the top of curb or the fog line (whichever is shorter). "Bus Pads" must be at minimum 11 feet wide.

**8-14.3(5)C Surface Applied Detectable Warning Surface**

**(December 16, 2022 CFW GSP)**

Section 8-14.3(5)C is replaced with the following:

Glued or stick down Detectable Warning Surfaces are allowed on asphalt surfaces only for temporary work zone applications.

MMA-Style Truncated Dome Detectable Warning Surfaces applied to asphalt surfaces for

permanent installations shall be liquid-applied Vanguard ADA Systems, or approved equal.

#### **8-14.4 Measurement**

**(April 12, 2018 CFW GSP)**

Section 8-14.4 is supplemented with the following:

**(\*\*\*2026 ASPHALT OVERLAY SPECIAL PROVISION\*\*\*)**

Measurement for "King County Metro Pads 'STOP X'" shall be for all work required to complete as shown in the Plans including, but not limited to: temporary erosion and sediment control, mobilization, traffic control, pedestrian traffic control, installation of signs, sawcutting, asphalt and concrete removal, grading and compacting, crushed surfacing, concrete (curb, gutter, sidewalk), asphalt patching, and clean up.

#### **8-14.5 Payment**

**(September 20, 2024 CFW GSP)**

Section 8-14.5 is supplemented with the following:

Payment for "Cement Conc. Curb Ramp Type \_\_\_\_" will not be made until the City has verified that the ramp(s) meet ADA requirements.

**(\*\*\*2026 ASPHALT OVERLAY SPECIAL PROVISION\*\*\*)**

Payment for "King County Metro Pads 'STOP X'" shall be paid lump sum once each bus pad is fully complete and accepted by the engineer.

#### **8-20.3(2) Excavating and Backfilling**

**(September 20, 2024 CFW GSP)**

Section 8-20.3(2) is supplemented with the following:

Controlled density fill (CDF) shall meet the requirements of Washington Aggregates and Concrete Association.

Bedding material shall consist of crushed surface top course free of any deleterious substances.

Underground utilities of record are shown in the construction Plans insofar as information is available. These, however, are shown for convenience only and the City assumes no responsibility for improper locations or failure to show utility locations in the construction Plans.

The location of existing underground utilities, when shown in the Plans, is approximate only, and the Contractor shall be responsible for determining their exact location. The Contractor shall check with the utility companies concerning any possible conflict prior to commencing excavation in any area, as not all utilities may be shown in the Plans.

The Contractor shall be responsible for potholing for conflicts with underground utility locations prior to determining exact locations of signal and light standard foundations, underground vaults, and directional boring operations. Prior to construction, if any conflicts are expected, it shall be brought to the attention of the Engineer for resolution.

The Contractor shall be entirely responsible for coordination with the utility companies and arranging for the movement or adjustment, either temporary or permanent, of their facilities within the project limits.

If a conflict is identified, the Contractor shall contact the Engineer. The Contractor and City shall locate alternative locations for poles, cabinets, or junction boxes. The Contractor shall get approval from the Engineer prior to installation. The Contractor may consider changing depth or alignment of conduit to avoid utility conflicts.

Before beginning any excavation work for foundations, vaults, junction boxes, or conduit runs, the contractor shall confirm that the location proposed in the Contract Plans does not conflict with utility location markings placed on the surface by the various utility companies. If a conflict is identified, the following process shall be used to resolve the conflict:

1. Contact the Engineer and determine if there is an alternative location for the foundation, junction box, vault or conduit trench.
2. If an adequate alternate location is not obvious for the underground work, select a location that may be acceptable and pothole to determine the exact location of other utilities. Potholing must be approved by the Engineer.
3. If an adequate alternate alignment still cannot be identified following potholing operations, the pothole area should be restored and work in the area should stop until a new design can be developed.

The Contractor shall not attempt to adjust the location of an existing utility unless specifically agreed to by the utility owner.

All foundations and anchor bolts shall be removed to 6 feet below new subgrade, and the resulting hole shall be backfilled with compacted gravel borrow meeting the requirements of Section 9-03.14(1), unless the Engineer has approved the use of native material.

Where junction boxes are removed, the conduit and wire shall also be removed to the bottom of the trench and the resulting hole backfilled with gravel borrow meeting the requirements of Section 9-03.14(1), unless the Engineer has approved the use of native material.

### **8-20.3(5)E1 Open Trenching** ***(November 24, 2025 CFW GSP)***

Section 8-20.3(5)E1 is supplemented with the following:

Open trenching shall only be allowed when approved in writing by the Engineer or if shown in the Plans. When open trenching is allowed, trench construction shall conform to the following:

1. In paved areas, edges of the trench shall be sawcut the full depth of the pavement and sawcuts shall be parallel. All trenches for placement of conduit shall be straight and as narrow in width as practical to provide a minimum of pavement disturbance. The existing pavement shall be removed in an approved manner. The trench bottom shall be graded to provide a uniform grade.
2. Bedding and backfill materials for electrical trenches shall be as follows:  
Electrical conduit trench depth shall be a minimum of 24 inches cover over conduits or in accordance with Section 8-20.3(5)D, whichever is greater.

Bedding material for trenches 18 inches or less in width shall be crushed surfacing top course. Bedding material for trenches greater than 18 inches or for joint utility trenches shall be pit run sand. Bedding material shall be placed two inches below the conduits and shall extend to two inches above the conduits.

Backfill material for trenches located within the roadway limits (back of curb to back of curb), including perpendicular crossings of roadways and underneath driveways shall be controlled density fill (CDF), vibrated in place.

Backfill material for trenches located outside of roadway and driveway limits shall be Bank Run Gravel for Trench Backfill conforming to Section 9-03.19, unless the Engineer determines that native material is suitable.

3. Backfill shall be carefully placed so that the backfilling operation will not disturb the conduit in any way. The backfill shall be thoroughly mechanically tamped in 8-inch layers with each layer compacted to 95% of maximum density in traveled ways, and 90% of maximum density elsewhere at optimum soil moisture content.

#### **8-20.3(14)C Induction Loop Vehicle Detectors**

**(September 20, 2024 CFW GSP)**

Item 2 is deleted.

Item 5 of this section is deleted and replaced with the following:

- 5) Each loop shall have 3 turns of loop wire.

Item 11 of this section is deleted and replaced with the following:

- 11) The detector loop sealant shall be a flexible traffic loop wire encapsulation. Encapsulation shall be designated to enable vehicular traffic to pass over the properly filled sawcut within five minutes after installation without cracking of material. The encapsulation shall form a surface skin allowing exposure to vehicular traffic within 30 minutes at 75 degrees F. and completely cure to a tough rubber-like consistency within two to seven days after installation. Properly installed and cured encapsulation shall exhibit resistance to defects of weather, vehicle abrasion, motor oil, gasoline, antifreeze solutions, brake fluid, deicing chemicals and salt normally encountered in such a manner that the performance of the vehicle detector loop wire is not adversely affected.

Section 8-20.3(14)C is supplemented with the following:

One-quarter-inch saw cuts shall be cleared of debris with compressed air before installing three turns of loop wire. All detector loops shall be 6-foot-diameter circle with diagonal mini-cut corners (no 90 degree corners) of not more than 1-inch on the diagonal. From the loops to the junction box, the loop wires shall be twisted two turns per foot and labeled at the junction box in accordance with the loop schematics included in these Plans. A 3/8-inch saw cut will be required for the twisted pair. No saw cut will be within 3 feet of any manhole or utility risers located in the street. Loops and lead-ins will not be installed in broken or fractured pavement. Where such pavement exists it will be replaced in kind with minimum 12-foot sections. Loops will also not be sawed across transverse joints in the road. Loops to be placed in concrete will be located in full panels, a minimum 18 inches from any expansion joint.

### **Existing Traffic Loops**

The Contractor shall notify the City Traffic Engineer a minimum of five working days in advance of pavement removal in the loop areas. The Contractor shall install and maintain interim video detection until the permanent systems are in place. The interim video detection shall be operational simultaneously with decommission of the existing pavement loops.

If the Engineer suspects that damage to any loop, not identified in the Plans as being replaced, may have resulted from Contractor's operations, the Engineer may order the Contractor to perform the field tests specified in Section 8 20.3(14)D. The test results shall be recorded and submitted to the Engineer. Loops that fail any of these tests shall be replaced by the Contractor.

Loops that fail the tests, as described above, and are replaced shall be installed in accordance with current City of Federal Way Design and Construction Standards and Standard Plans, as determined by the Engineer.

If traffic signal loops that fail the tests, as described above, are not replaced and operational within 48 hours, the Contractor shall install and maintain interim video detection until the replacement loops are operational. The type of interim video detection furnished shall be approved by the Engineer prior to installation.

### **8-20.3(14)D Test for Induction Loops and Lead-In Cable**

***(March 31, 2012 CFW GSP)***

Section 8-20.3(14)D is supplemented with the following:

Test A – The resistance shall not exceed values calculated using the given formula.

Resistance per 1000 ft of 14 AWG,  $R = 3.26 \text{ ohms} / 1000 \text{ ft}$

$$R = \frac{3.26 \times \text{distance of lead-in cable (ft)}}{1000 \text{ ft}}$$

Test B and Test C in this section are deleted and replaced with the following: Megger readings of the detection wire to ground shall read 200 megohms at the amplifier connection. The 200 megohms or more shall be maintained after the splices are tested by submerging them in detergent water for at least 24 hours. The tests will be conducted with King County personnel at the request of the Contractor. All costs incurred to meet this minimum standard will be the responsibility of the Contractor.

## **8-22 PAVEMENT MARKING**

### **8-22.1 Description**

***(September 20, 2024 CFW GSP)***

Section 8-22.1 is supplemented with the following:

Pavement markings shall conform to City of Federal Way Standard Details. Longitudinal striping patterns shall be as shown on Standard Plan M-20.20.

The Contractor shall perform all spotting and layout for all permanent pavement markings.

### **8-22.2 Materials**

**(September 20, 2024 CFW GSP)**

Section 8-22.2 Paragraph #3 is deleted and replaced with the following:

Glass beads for Type A plastic shall be as recommended by the manufacturer.

Section 8-22.2 is supplemented with the following:

Glass beads and Reflective Elements for Type D plastic shall be in accordance with Section 9-34.4. Both glass beads and reflective elements are required to be installed with Type D pavement markings.

**8-22.3 Construction Requirements**

**(March 22, 2023 CFW GSP)**

Section 8-22.3 is supplemented with the following:

Permanent pavement markings shall be installed within 30 calendar days after paving. If a project contains paving on multiple streets (i.e., schedules of work), this requirement applies to the paving date for each street / schedule individually.

**8-22.3(3) Marking Application**

**8-22.3(3)E Installation**

**(September 20, 2024 CFW GSP)**

Section 8-22.3(3)E is supplemented with the following:

Profiled Type D lines shall be installed in accordance with Standard Plan M-20.20.

All parallel double lines (narrow pattern and wide pattern) shall be placed in one pass.

All longitudinal pavement markings shall be applied, in cycle, in the direction of traffic, unless specifically approved by the City of Federal Way. The City of Federal Way shall designate in which direction to apply center line striping, as applicable.

For paint, the use of a pushcart or motorized cart is prohibited. A striping truck is required, unless otherwise approved by the Engineer for specific locations.

If Type B plastic markings are allowed, the material shall not overlap and there shall not be gaps between individual segments of the material.

For Type D, liquid cold applied methyl methacrylate, longitudinal line markings, Type D-3 or Type D-4 shall be used. Type D-3 or Type D-4 application method shall be defined as machine extrusion. Application by walk-behind carts is not allowed. Application of double center line by means that requires a separate pass for each line is not allowed.

**8-22.3(3)G Glass Beads**

**(March 13, 2012, CFW GSP)**

Section 8-22.3(3)G is supplemented with the following:

Glass beads shall be applied to Type D markings at a rate of 8 to 10 pounds per one hundred square feet.

Reflective elements shall be applied to Type D markings at a rate of 10 grams per 4-inch wide by 1 linear foot of marking.

### **8-22.3(6) Removal of Pavement Markings**

**(September 20, 2024 CFW GSP)**

Section 8-22.3(6) is supplemented with the following:

As indicated in the Plans, the Contractor shall remove existing pavement markings that may consist of paint, plastic, and raised pavement markings.

All existing, plastic pavement markings that are to be paved over, shall be removed prior to paving.

If, in the opinion of the Engineer, the pavement is materially damaged by pavement marking removal or raised pavement marker removal, such damage shall be repaired by the Contractor in accordance with Section 1-07.13(1).

If pavement markings are removed as a part of pavement grinding or removal, that removal will be considered incidental to that bid item and no additional payment will be made under the pavement marking removal bid item.

### **8-22.4 Measurement**

**(December 16, 2022 CFW GSP)**

Paragraphs 12 and 13 of Section 8-22.4 are replaced with the following:

Measurement for the removal of all pavement markings will be per lump sum.

### **(March 22, 2023 CFW GSP)**

Section 8-22.4 is supplemented with the following:

Raised Pavement Markers are incidental to Pavement Markings. No separate measurement or payment will be made.

### **8-22.5 Payment**

**(February 14, 2025 CFW GSP)**

Section 8-22.5 is modified as follows:

The following bid items are deleted:

- “Removing Paint Line”, per linear foot.
- “Removing Plastic Line”, per linear foot.
- “Removing Painted Crosswalk Line”, per square foot.
- “Removing Plastic Crosswalk Line”, per square foot.
- “Removing Painted Traffic Marking”, per each.
- “Removing Plastic Traffic Marking”, per each.

The following are new bid items:

- “Painted Shared Lane Marking”, per each.
- “Plastic Shared Lane Marking”, per each.
- “Removing Pavement Markings”, lump sum.

## **8-23 TEMPORARY PAVEMENT MARKINGS**

### **8-23.1 Description**

**(March 22, 2023 CFW GSP)**

Section 8-23.1 is supplemented with the following:

Temporary pavement markings shall be installed and maintained by the Contractor prior to traffic being released onto public streets when the installation of permanent pavement markings is not yet completed. All pavement markings including lines, symbols, and raised pavement markers shown on the plans and details shall be provided as temporary

pavement markings until such time that permanent pavement markings are installed. Temporary pavement markings shall generally follow the alignment for the permanent pavement markings.

### **8-23.2 Materials**

**(March 22, 2023 CFW GSP)**

Section 8-23.2 is supplemented with the following:

The City of Federal Way does not allow Low VOC Waterborne Paint for temporary or permanent pavement markings.

### **8-23.3 Construction Requirements**

#### **8-23.3(1) General**

**(September 20, 2024 CFW GSP)**

Section 8-23.3(1) is deleted and replaced with the following:

All work zone temporary pavement markings shall be paint, except for markings on the new asphalt or concrete wearing course. This includes lane shifts for construction stages.

All temporary pavement markings that are expected to remain in place for two months or more shall be paint, with raised pavement markers. This includes any work zone markings.

All temporary pavement markings that are installed prior to a winter suspension shall be paint with raised pavement markers. This includes any work zone markings.

Temporary pavement markings that are installed on the wearing course of new asphalt or concrete shall be tape.

Tape may be used for other short-term applications, as approved by the Engineer.

#### **8-23.3(4) Pavement Marking Application**

##### **8-23.3(4)A Temporary Pavement Markings – Short Duration**

**(March 22, 2023 CFW GSP)**

Paragraph 2 of Section 8-23.3(4)A is modified as follows:

**Temporary Center Line (Double Yellow Center Line)** – Two SOLID lines used to delineate adjacent lanes of traffic moving in opposite directions. Temporary raised pavement markings should be installed on both sides of the yellow lines at 40-foot intervals.

**Temporary Center Line (Skip Center Line)** – A BROKEN line used to delineate adjacent lanes of traffic moving in opposite directions. The broken pattern shall be based on a 10-foot unit, consisting of a 1-foot line with a 9-foot gap.

##### **8-23.3(4)A2 Temporary Pavement Marking Tape**

**(September 20, 2024 CFW GSP)**

Section 8-23.3(4)A2 is supplemented with the following:

Black mask pavement marking tape shall not be used, unless specifically requested by the Engineer.

#### **8-23.3(4)E Removal of Pavement Markings**

**(September 20, 2024 CFW GSP)**

Section 8-23.3(4)E is supplemented with the following:

Raised pavement markers shall be removed prior to paving. This work shall be performed by the Contractor.

#### **8-23.4 Measurement**

**(November 7, 2025 CFW GSP)**

Section 8-23.4 is supplemented with the following:

Temporary Raised Pavement Markers are incidental to Temporary Pavement Markings. No separate measurement or payment will be made.

Traffic control (Flaggers, Traffic Control Supervisor, Other Traffic Control, etc.) for the initial installation of Temporary Pavement Markings shall be measured and paid in accordance with the respective Traffic Control Bid Items. Traffic control associated with the subsequent maintenance and/or removal of Temporary Pavement Markings shall be incidental to the temporary pavement marking bid items and no additional payment will be made.

### **8-24 ROCK AND GRAVITY BLOCK WALL AND GABION CRIBBING**

#### **8-24.1 Description**

**(September 20, 2024 CFW GSP)**

Section 8-24.1 is replaced with the following:

This Work consists of constructing rock wall(s) and gabion cribbing in accordance with the Plans, Special Provisions, these Specifications, or as designated by the Engineer.

#### **8-24.3(2) Gravity Block Wall**

**(September 20, 2024 CFW GSP)**

Section 8-24.3(2) is deleted and replaced with the following.

Gravity Block Walls may include soil reinforcement. See 6-13 Structural Earth Walls for Gravity Block Wall / Modular Block Wall requirements.

### **8-33 POTHOLING AND RESOLUTION OF UTILITY CONFLICTS**

**(September 20, 2024 CFW GSP)**

Section 8-33 and it's subsections are new sections as follows:

#### **8-33.1 Description**

**(September 20, 2024 CFW GSP)**

Section 8-33.1 is a new section:

This work involves the identification and resolution of utility conflicts not identified in the plans between proposed improvements and existing utilities. The City will pay these costs by force account if the work proves to be acceptable and the Contractor had performed the work with the authority of and due notice to the Engineer.

#### **8-33.3 Construction Requirements**

**(September 20, 2024 CFW GSP)**

Section 8-33.3 is a new section:

The City may direct the Contractor to pothole existing utilities to verify the field location and depth. Potholing shall include excavation and backfilling of the existing utility, identification of the pipe or line size, material type and condition and the survey work to

locate the facility horizontally and vertically. Survey information to be obtained shall include station and offset to center of utility and elevation at top of utility. Stations, offsets and elevations shall be to the nearest 0.1 foot unless greater accuracy is required. Potholes shall be backfilled with CSTD compacted to 95%, or with CDF, as directed by the Engineer. In areas subject to public traffic, the HMA patch shall match the depth of the surrounding pavement.

In the event that a conflict arises between the proposed improvements and an existing utility, the Resolution of Utility Conflicts item will compensate the Contractor for standby time and additional work in the following manner:

1. Standby time resulting from existing utility conflicts. Standby time is defined as time the Contractor is unable to proceed with progression of a specific work item (i.e. storm drainage, underground utility installation etc.) due to conflicts with existing facilities. However, payment for standby time shall be limited to:
  - a. For each agreed upon conflict, a maximum of four (4) hours of standby time will be paid for actual delay of labor and equipment due to a utility conflict. The Contractor shall be responsible to adjust his work schedule and/or reassign his work forces and equipment to other areas of work to minimize standby time.
  - b. If the conflict is resolved within one (1) hour of notification to the Engineer, no standby time will be paid.
2. Additional work required to resolve utility conflicts will be paid for at the bid unit prices for the associated work. Work that can be measured and paid for at the unit contract prices shall not be identified as force account work. This work includes but is not limited to:
  - a. Storm drainage manhole, pipe, vault, and conduit realignments of line and/or grade for the storm drain and undergrounding of overhead utilities, to avoid existing utility conflicts.
  - b. Additional storm drainage manholes, pipe, vaults, and conduit required by a change in alignment, and/or grade, not exceeding the limits set in section 1-04.4 of the Standard Specifications.

#### **8-33.4 Measurement**

**(September 20, 2024 CFW GSP)**

Section 8-33.4 is a new section:

"Resolution of Utility Conflicts" will be measured for force account per Section 1-09.6.

#### **8-33.5 Payment**

**(September 20, 2024 CFW GSP)**

Section 8-33.5 is a new section:

"Resolution of Utility Conflicts", will be paid by force account.

To provide a common proposal for all bidders, the City has estimated the amount for "Resolution of Utility Conflicts" and "Potholing" and entered the amounts in the proposal to become a part of the total bid by the Contractor.

Utility conflicts due to the Contractor's actions or operations shall be resolved by the Contractor at no expense to the Contracting Agency.

## END OF DIVISION 8

CITY OF FEDERAL WAY

SP-120

2026 ASPHALT OVERLAY  
PROJECT #12526

**\*\*\*UNOFFICIAL COPY\*\*\*** Official bid documents, plan holder's list, and addenda (if applicable)  
CFW SPECIAL PROVISIONS VER 2025.129 CFWA.com

## DIVISION 9 MATERIALS

### **9-01 CONCRETE**

#### **9-01.2 Specifications**

##### **9-01.2(1)B Blended Hydraulic Cement**

**(December 16, 2022 CFW GSP)**

Section 9-01.2(1)B is modified with the following:

Type 1L cement is only allowed for use within the City of Federal Way subject to the conditions listed below:

	Class 3000 Type 1L	Class 4000 Type 1L	Class 4000 Type 1L with crystalline waterproofing and corrosion protection admixture <sup>1</sup>	Class 5000 Type 1L
Pre-cast Foundations ( <i>light standards, signals, RRFBs, etc.</i> )	X	X	X	X
Cast-in-Place Foundations ( <i>light standards, signals, RRFBs, etc.</i> )		X	X	X
Pre-cast or cast-in-place catch basins and manholes		X	X	X
Roads, curbs, curb & gutters, roundabouts & aprons, sidewalks, ADA ramps, driveway approaches			X	X
Other exposed surfaces ( <i>retaining walls, junction box aprons, cabinet bases, barriers, etc.</i> )			X	X

<sup>1</sup> Crystalline Waterproofing admixtures (Penetron or approved equal) shall meet the following specification: ASTM C494, Type S, hydrophilic, crystalline permeability-reducing admixture for hydrostatic conditions (PRAH) shall form insoluble crystals throughout the concrete matrix, self-healing and sealing all pores, capillaries and cracks up to 0.5mm (1/51 inch). The crystalline waterproofing admixture shall include a colored tracer material so that it is visible when included in the concrete mix.

For all Type 1L concrete mixes, the City will not accept any maleated rosin (i.e. MasterAir AE90) as a supplied air entrainment and waterproofing admixture or any wax-based curing compounds.

### **9-03 AGGREGATES**

#### **9-03.12 Gravel Backfill**

##### **9-03.12(6) Pit Run Sand**

**(April 12, 2018 CFW GSP)**

Section 9-03.12(6) is a new section:

<u>Sieve Size</u>	<u>Percent Passing</u>
3/8" square	100
U.S. No. 4	90
Sand Equivalent	30 minimum

### **9-03.14(3) Common Borrow**

**(April 12, 2018 CFW GSP)**

Section 9-03.14(3) is modified with the following requirements:

Material from on-site excavations meeting the requirements for Common Borrow shall be used to the extent practicable. Material for common borrow shall consist of granular soil and/or aggregate which is free of trash, wood, debris, and other deleterious material.

Common Borrow material shall be at the proper moisture content for compaction. This material is generally moisture sensitive. The natural moisture content shall range from not more than 1 percent wet of optimum to not more than 3 percent dry of optimum as determined in accordance with Section 2-03.3(14)D. The material shall not pump or yield under the weight of compaction equipment and construction traffic. The Contractor is responsible for protecting the material from excess moisture wherever/whenever possible. To the extent practicable, this material should be handled only during non-rainy periods and should be removed, hauled, placed, and compacted into final embankments without intermediate handling or stockpiling. Surfaces should be graded and sloped to drain and should not be left uncompacted.

Common Borrow shall meet the following gradation limits:

<b>Sieve Size</b>	<b>Percent Passing (by weight)</b>
6" square <sup>1</sup>	100
4" square	90 – 100
2" square	75 - 100
U.S. No. 4	50 - 80
U.S. No. 40	50 max.
U.S. No 200	25 max.

<sup>1</sup> For geosynthetic reinforced walls or slopes, 100 percent passing 1½-inch square sieve and 90 to 100 percent passing the 1-inch square sieve.

Common Borrow shall contain sufficient fines for compaction and to bind the compacted soil mass together to form a stable surface when heavy construction equipment is operated on its surface.

## **9-05 DRAINAGE STRUCTURES AND CULVERTS**

### **9-05.13 Ductile Iron Sewer Pipe**

**(September 20, 2024 CFW GSP)**

Section 9-05.13 is supplemented as follows:

All ductile iron pipe shall be epoxy lined.

### **9-05.23(1) Dual Wall HDPE Storm Sewer Pipe**

**(October 11, 2024 CFW GSP)**

Section 9-05.23(1) is a new section as follows:

Dual wall HDPE storm sewer pipe shall meet the requirements of ASTM F2648.

## **9-05.15 Metal Castings**

### **9-05.15(4) Heavy Duty Hinged Style Ductile Iron Frame and Cover**

***(December 2, 2019 CFW GSP)***

Section 9-05.15(4) is a new section:

Heavy-Duty hinged style ductile iron frame and covers shall meet the requirements for metal castings found in Section 9-05.15. The covers shall be hinged and incorporate a 90-degree blocking system to prevent accidental closure. The cover shall be operable by one person using standard tools and shall allow for the cover to open to 120-degrees where it can either remain open in a secure position or be removed if needed. The cover pick slot shall provide a solid point of removal for most removal tools and be designed to eliminate surface water inflow. The covers shall be lockable with a cam lock assembly and have a cap or cover to prevent debris from entering and preventing access to the lock assembly. Keys for all lock assemblies will be provided to the City. The frame and cover assembly shall be capable of withstanding a test load of 100,000 lbs and include a "T" shaped durable gasket to cushion traffic shock and resist water infiltration. The frame and cover assembly shall be circular, compatible with City of Federal Way standard top slab openings, and available in a 24-inch clear opening. The frame and cover depth shall not exceed 4 inches and the flange shall incorporate bedding slots and bolt holes. The cover shall be installed with the hinge facing oncoming traffic so the lid will open towards traffic.

Heavy-Duty Hinged Style Frame & Cover shall be ERGO Assembly: Product Number 00104040L01, Manufactured by EJ Group, Inc., 301 Spring Street, PO Box 439, East Jordan, MI 49727, (800)626-4653, [www.ejco.com](http://www.ejco.com)

### **9-05.15(5) High Impact Multi-Purpose Rubber Composite Adjustment Risers**

***(December 2, 2019 CFW GSP)***

Section 9-05.15(5) is a new section:

Risers shall be minimum 80% by weight recycled rubber and minimum 10% by volume recycled RFL fiber. Adjustment risers shall be of uniform quality and free from cracks, holes, and any other surface defects. Adjustment risers shall be designed for heavy duty street traffic and shall meet or exceed minimum load capacity requirements of AASHTO. Adjustment risers shall be installed as a single unit and shall not be cut into pieces or used as shims. Manufacturer certification shall be furnished upon request stating that the product meets the requirements of this specification. Risers shall be available in standard thicknesses from 1/2-inch to 3-inches; available flat or tapered; and in round, square, and rectangular shapes.

High Impact Adjustment Riser shall be Infra-Riser Multi-Purpose Rubber Composite Adjustment Riser, EJ Group, Inc., 301 Spring Street, PO Box 439, East Jordan, MI, 49727, (800)626-4653, [www.ejco.com](http://www.ejco.com)

## **9-14 EROSION CONTROL AND ROADSIDE PLANTING**

### **9-14.1 Materials Submittals and Acceptance**

***(January 10, 2022, WSDOT GSP, OPT1.2023)***

In the table in Section 9-14.1, the row for Compost is revised to read:

9-14.5(8)	Compost	Cert & following information is required to be submitted fourteen days prior to application.
-----------	---------	--

		<ul style="list-style-type: none"> <li>a) A copy of the Solid Waste Handling Permit issued to the manufacturer by the Jurisdictional Health Department in accordance with <a href="https://apps.leg.wa.gov/WAC/default.aspx?cite=173-350">https://apps.leg.wa.gov/WAC/default.aspx?cite=173-350</a> (Minimum Functions Standards for Solid Waste Handling).</li> <li>b) Compost Test Data submitted on WSDOT Form 220-038 that show the compost complies with the processes, testing, and standards specified in WAC 173-350 and this section. And independent Seal of Testing Assurance (STA) Program certified laboratory shall perform the testing within 90 calendar days of application.</li> <li>c) A copy of the manufacturer's annual Seal of Testing Assurance STA certification as issued by the U.S. Composting Council.</li> <li>d) A sample of the compost approved for use.</li> <li>e) A list of feed stocks by volume for each compost type.</li> <li>f) Compliance with the applicable section.</li> </ul>
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## **9-14.2 Topsoil**

### **9-14.2(1) Topsoil Type A**

**(June 12, 2020 CFW GSP)**

Section 9-14.2(1) is supplemented with the following:

Topsoil Type A mix shall be 50% pure organic compost and 50% sand or sandy loam. The soil shall be high in organic content and comprised of fully composted and mature organic materials.

No fresh sawdust or other fresh wood by-products shall be added to extend the volume after the composting process.

Chemical and physical characteristics of Topsoil Type A shall comply with the following:

Screen Size	7/16" Maximum
Total Nitrogen	0.25% Minimum
Organic Matter	10% Minimum
pH Range	5.5 to 7.5
Conductivity	5 mmhos/cm Maximum

## **9-14.3 Seed**

**(June 12, 2020 CFW GSP)**

Section 9-14.3 is supplemented with the following:

The grass seed dealer shall mix the grass seed only. The Contractor shall furnish the Engineer with a dealer's guaranteed statement of the composition, mixture, and the percentage of purity and germination of each variety. Seed shall be applied at manufacturer's recommended rate. Hydroseed shall be composed of the following varieties mixed in the proportions indicated, or approved equal:

SEEDED LAWN MIXTURE			
NAME	BY WEIGHT	% PURITY	% GERMINATION

Tall Fescue / Festuca arundinacea	40%	98%	90%
Creeping Red Fescue / Festuca rubra	25%	98%	90%
Highland Colonial Bentgrass / Agrostis capillaris var. 'Highland'	5%	98%	90%
Perennial Rye / Lolium perenne (blend of two: 'Fiesta II', 'Prelude II', 'Commander')	30%	95%	90%

#### **9-14.4 Fertilizer**

**(June 12, 2020 CFW GSP)**

Section 9-14.4 is supplemented with the following:

Fertilizer for trees shall be biodegradable fertilizer packets, 20-10-5. Apply per manufacturer's recommendations.

#### **9-14.5 Mulch and Amendments**

##### **9-14.5(3) Bark or Wood Chips**

**(June 12, 2020 CFW GSP)**

Section 9-14.5(3) is supplemented with the following:

Bark or Wood Chip Mulch shall be medium grade composted ground fir or hemlock bark. The bark shall be uniform in color, free from weed seeds, sawdust and splinters. The moisture content of bagged mulch shall not exceed 22%. The acceptable size range of bark mulch material is  $\frac{1}{2}$ " to 1" with maximum of 20% passing the  $\frac{1}{2}$ " screen.

#### **9-14.7 Plant Materials**

##### **9-14.7(2) Quality**

**(June 12, 2020 CFW GSP)**

Section 9-14.7(2) is supplemented with the following:

Plant material shall be free from disfiguring knots, swollen grafts, sunscald injuries, bark abrasions, evidence of improper pruning or other objectionable disfigurement.

Potted and container stock shall be well rooted and vigorous enough to ensure survival and healthy growth. Shrubs shall have full foliage (not leggy). Container stock shall be grown in its delivery container for not less than six (6) months, but not for more than two (2) years. Root bound or broken containers will not be accepted. Bare root, liner and root stock with dried or shriveled roots from exposure will not be accepted.

Measurements, caliper, branching, grading, quality, balling and burlapping shall follow the Code of Standards of the American Associate of Nurserymen in the American Standard for Nursery Stock, ANSI 260.1, latest edition. Measurements shall be taken with all branches in their normal growing position. Plants shall not be pruned prior to delivery to site.

##### **9-14.7(3) Handling and Shipping**

**(June 12, 2020 CFW GSP)**

Section 9-14.7(3) is supplemented with the following:

Tie back branches as necessary, and protect bark from chafing with burlap bags. Do not drag Plant materials along ground without proper protection of roots and branches. Protect rootballs from environmental or mechanical damage and water as necessary to keep roots moist. Do not store Plants for more than one week.

#### **9-14.7(4) Sod**

**(June 12, 2020 CFW GSP)**

Section 9-14.7(4) is supplemented with the following:

Sod Lawn shall be three-way Tall Fescue Blend Sod, 33.33% Firecracker LS Tall Fescue, 33.33% Spyder LS Tall Fescue, 33.33% Raptor II Tall Fescue with degradable netting, or approved equal.

#### **9-14.7(5) Tagging**

**(June 12, 2020 CFW GSP)**

Section 9-14.7(5) is a new section:

All Plant material shall be legibly tagged. Tagging may be by species or variety with minimum of one tag per ten trees, shrubs, or vines. Remove all tagging prior to final acceptance.

#### **9-14.7(6) Inspection**

**(June 12, 2020 CFW GSP)**

Section 9-14.7(6) is a new section:

The Contracting Agency shall reserve the option of selecting and inspecting Plant material at the nursery. The contractor shall provide the Contracting Agency with at least one week notice prior to preparing Plants for shipping and delivery. The Contractor shall neither deliver to site nor install Plant materials until authorized by the Contracting Agency.

#### **9-14.7(7) Temporary Storage**

**(June 12, 2020 CFW GSP)**

Section 9-14.7(7) is a new section:

Cold storage of Plants shall not be permitted.

If Planting is delayed more than 24 hours after delivery, set balled and burlapped Plants on the ground, well protected with soil or wet peat. Adequately cover all roots of bare root material with soil or wet peat. Protect rootballs from freezing, sun, drying winds or mechanical damage. Water Plant material as necessary until Planted.

Plants shall not be stored for more than one week. Longer storage period at project site will result in rejection of Plant materials by the Contracting Agency.

#### **9-14.8 Stakes, Guys, and Wrapping**

**(June 12, 2020 CFW GSP)**

Section 9-14.8 is supplemented with the following:

Stakes shall be BVC round tree stakes with Chainlock guying or Engineer accepted product. No wrapping required.

#### **9-14.9 Root Barrier**

**(June 12, 2020 CFW GSP)**

Add the following new section:

Root Barrier shall be 18-inch high, minimum thickness 0.090-inch, interlocking root barrier panels constructed of high-impact polypropylene with 1/2-inch reinforcing ribs.

## **9-17 FLEXIBLE GUIDE POSTS**

### **9-17.1 General**

**(September 20, 2024 CFW GSP)**

Section 9-17.1 is supplemented with the following:

Flexible guide post curb bases shall be NCHRP 350 and MASH 2009 compliant and shall be designed for use in traffic. Curb bases shall be yellow or white, to match the channelization color, and use a quick-release style base. Curb caps/nosing will be required for both sides of each delineator location, if the curb base is greater than 2 inches high.

The delineators used with the curb base shall be 3 inches in diameter, white with white sheeting, and tubular type.

## **9-15 IRRIGATION SYSTEM**

### **9-15.1 Pipe, Tubing And Fittings**

**(June 12, 2020 CFW GSP)**

Section 9-15.1 is replaced with the following:

All pipe and tubing shall be PVC or approved equal. All fittings shall be Sch 80 PVC. All pipe for the main, laterals, and sleeving shall be Sch 40 PVC.

### **9-15.5 Valve Boxes**

**(June 12, 2020 CFW GSP)**

Section 9-15.5 is supplemented with the following:

Valve boxes for control valves shall be grey flared box, HDPE construction with UV inhibitors, heavy duty seat collar, drop in locking, 17'L x 24" D x 12" W with green HDPE drop in locking lid.

Valve boxes for Double Check Valve Assembly shall be grey heavy duty polymer concrete, top dimensions 25"L x 15-16"W and 24" D designed to withstand H-10 and H-20 loading in incidental and non-deliberate traffic areas. Valve box must be compliant with AASHTO H-10 Design Load; ASTM C 857-95 Design Load of A-8, 8,000lbs. Box shall be alkaline, acid and weather resistant, with flush locking polymer concrete cover. Verify size to fit Double Check Valve Assembly.

Valve boxes for quick coupler shall be light duty HDPE with UV inhibitors, 10" diameter flared box with bolt down cover.

### **9-15.6 Gate Valves**

**(April 12, 2018 CFW GSP)**

Section 9-15.6 is supplemented with the following:

Gate valves shall be heavy duty cast brass body and heavy cast iron handwheel, suitable for residential or commercial potable water applications, with screwed bonnet, non-rising stern, solid wedge disc and integral seats.

### **9-15.7 Control Valves**

#### **9-15.7(1) Manual Control Valves**

**(April 12, 2018 CFW GSP)**

Section 9-15.7(1) is supplemented with the following:

Shut off valves upstream of automatic control valves shall be a heavy duty cast brass body gate valve with heavy cast iron handwheel, suitable for residential or commercial potable water applications, with screwed bonnet, non-rising stem, solid wedge disc and integral seats, size to fit line.

### **9-15.13 Pressure Regulating Valves**

**(April 12, 2018 CFW GSP)**

Section 9-15.13 is supplemented with the following:

Pressure regulating valve shall be designed to reduce incoming water pressure from up to 400psi to a range of 25-75psi. Valve shall be all bronze body construction, with thermal expansion bypass, serviceable in line, with internal stainless steel strainer.

## **9-19 DETECTABLE WARNING SURFACE**

### **9-19.2 Cast-in-Place Detectable Warning Surface**

#### **9-19.2(1) General Requirements**

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

The first paragraph of Section 9-19.2(1) is revised to read:

The color of detectable warning surfaces shall be yellow and shall match SAE AMS Standard 595, color number 33538 unless otherwise shown on the plans. When used in areas between ramps to differentiate between travel paths, detectable warning surfaces shall be black.

Units shall provide the required contrast (light-on-dark or dark-on-light) with the adjacent curb ramp or other applicable walkway.

## **9-28 SIGNING MATERIALS AND FABRICATION**

### **9-28.1 General**

**(September 20, 2024 CFW GSP)**

Paragraph three is deleted and replaced with the following:

All regulatory (R series), school (S series), and warning (W and X series) signs, except for parking regulation, parking prohibition signing and signs of fluorescent yellow-green color shall be constructed with Type III or Type IV Glass Bead Retroreflective Element Material sheeting in accordance with Section 9-28.12. All street name (D-3) sign sheeting shall meet this specification. The reflectivity standard of supplemental plaques shall match that of the primary sign.

All overhead signing shall meet the specifications of Type IX sheeting, 3M 3990 series or approved equal. This sheeting has a retroreflection rating of 300 candelas per foot candle per square foot of material for white sheeting (250 for yellow sheeting) with an entrance angle of minus 5 degrees. This standard applies to all signs mounted above the roadway, on span wires, or on traffic signal standard mast arms.

All pedestrian / non-motorized-related warning signs (W-series) and all school warning signs (S-series) shall be of fluorescent yellow-green color and shall meet the specifications of Type IX sheeting, 3M 3983, or approved equivalent. This sheeting has a retroreflection rating of 325 candelas per foot candle per square foot of material for fluorescent yellow-green sheeting with an observation angle of 0.2 degrees and an entrance angle of minus

4 degrees. The reflectivity standard of supplemental plaques shall match that of the primary sign.

Motorist information and parking signing shall be constructed with Type I Glass Bead Retroreflective Element Material sheeting in accordance with Section 9-28.12. The reflectivity standard of supplemental plaques shall match that of the primary sign.

### **9-28.2 Manufacturer's Identification and Date**

**(October 23, 2014 CFW GSP)**

Section 9-28.2 is deleted and replaced with the following:

All signs shall show the manufacturer's name and date of manufacture on the back.

### **9-28.8 Sheet Aluminum Signs**

**(September 20, 2024 CFW GSP)**

Section 9-28.8 table is deleted and replaced with the following:

Sign sheet thickness and material shall be in accordance with City of Federal Way Standard Details.

### **9-28.9 Fiberglass Reinforced Plastic Signs**

**(December 18, 2009 CFW GSP)**

Section 9-28.9 is deleted in its entirety.

### **9-28.12 Reflective Sheeting**

**(September 20, 2024 CFW GSP)**

Section 9-28.12 is replaced with the following:

Reflective sheeting material shall conform to ASTM D4956 – *Standard Specification for Retroreflective Sheeting for Traffic Control*. The following standard reflective sheeting types have been modified to reflect City of Federal Way requirements:

Device Type	Use	Sheeting Color	Allowable Sheeting Types
<b>Permanent Signs</b>			
Permanent Signing	All	All	IV <sup>1</sup>
Object Markers	All	All	IV
<b>Temporary Construction Signing</b>			
Warning Signs	All	Fluorescent Orange	VIII, IX, X <sup>2</sup> , XI
Regulatory Signs	All	White	IV
Regulatory Signs	Rural	White	II <sup>3</sup> , IV
Regulatory Signs	Urban/Rural	White	III <sup>3</sup> , IV
Regulatory Signs	All	Red	III, IV
Regulatory Signs	All	Green	II, IV
Regulatory Letters, Border or Symbols		Green	III <sup>3</sup> , IV <sup>3</sup>
Temporary Construction Signs	All	All Other Background Colors	III <sup>3</sup> , IV
<b>Other Devices</b>			
Barricades	All	White or Orange	III <sup>3</sup> , IV
Barrier Delineators	All	White or Yellow	III, IV, V, XI
Bollards	All	All	IV

Flexible Guidepost	All	All	III, IV, V
Pedestrian Channelization Devices	All	White or Orange	III <sup>3</sup> , IV
Signal Backplates	Portable Signals		IV
Signal Backplates	Permanent Signals		See Section 9-29.16
Tall Channelization Devices 42-inch	All	Fluorescent Orange/White	III <sup>4</sup> , IV <sup>4</sup> , VIII, IX, XI <sup>4</sup>
Traffic Cones 28- and 36-inch	All	White or Higher White	III <sup>3</sup> , IV
Traffic Safety Drums	All	Fluorescent Orange/White	III <sup>4</sup> , IV <sup>4</sup> , VIII, IX, XI <sup>4</sup>
Transportable Attenuators	All	Yellow and Black Chevron	III <sup>3</sup> , IV
Transportable Attenuators	All	White and Red Chevron	IV
Utilities attached to Bridges	All		I, See Section 6-01.10

Notes:

1. Except S Series signs with fluorescent yellow-green sheeting shall use Type IX. Overhead signs shall use Type IX.
2. Former Type X, not shown in ASTM D4956, however meets requirements of Types VII, IX and XI.
3. Only devices in inventory may be used, new fabrication shall use Type IV.
4. Type III and Type IV orange and white sheeting may be still used through December 31, 2026.

#### **9-28.14 Sign Support Structures**

**(September 20, 2024 CFW GSP)**

Section 9-28.14 is supplemented with the following:

Unless otherwise noted in the Plans or approved by the Engineer, all sign posts shall be steel sign posts. Sign post sizes will be shown on Plans or shall be sized in accordance with the WSDOT Design Manual. Sign supports (foundations) shall be in accordance with City of Federal Way Standard Details.

#### **9-29.2(4) Cover Markings**

**(September 20, 2024 CFW GSP)**

Section 9-29.2(4) is supplemented with the following:

Cover markings for cable vaults containing fiber optic cable or installed for future fiber optic cable shall be "TS", unless otherwise noted in the Plans.

#### **9-29.3(2)F Detector Loop Wire**

**(November 24, 2025 CFW GSP)**

Section 9-29.3(2)F is modified as follows:

Detector loop wire shall use #14 AWG stranded copper conductors, and shall conform to IMSA Specification 51-3, with cross-linked polyethylene (XLPE) insulation encased in a polyethylene outer jacket (PE tube).

**(September 17, 2014 CFW GSP)**

Section 9-29.15 is supplemented with the following:

## **9-34 PAVEMENT MARKING MATERIAL**

### **9-34.2 Paint**

#### **9-34.2(5) Low VOC Waterborne Paint**

**(December 16, 2022 CFW GSP)**

Section 9-34.2(5) is replaced with the following:

The City of Federal Way does not allow Low VOC Waterborne Paint.

### **9-34.3 Plastic**

#### **9-34.3(4) Type D – Liquid Cold Applied Methyl Methacrylate**

**(March 13, 2012 CFW GSP)**

Section 9-34.3(4) is supplemented with the following:

The methyl methacrylate (MMA) material shall be formulated as a long-life durable pavement marking system capable of providing a minimum of two years of continuous performance. The material shall be a catalyzed methyl methacrylate (MMA), wet-continuous reflective product and placed shall have a dry time (cure) to the touch of no more than 30 minutes. The material shall be capable of retaining reflective glass beads and ceramic micro-crystalline elements of the drop-on or spray-on type as specified by the manufacturer. The binder shall be lead free and suitable for bituminous and concrete pavements.

### **Pavement Marking Materials**

**(September 20, 2024 CFW GSP)**

Section 9-34.4 is supplemented with the following:

#### **Methyl Methacrylate Pavement Markings Optics**

Both glass beads and reflective elements are required for MMA application, unless otherwise noted.

#### **Glass Beads**

Surface-drop glass beads shall be the Swarco SwarcoFlex bead that has a Methacrylate compatible coupling agent approved by the material manufacturer.

Glass beads shall be applied at a rate of 8 to 10 pounds per one hundred square feet.

#### **Reflective Elements**

Surface-drop ceramic elements shall be 3M Series 50M or 70M with a methacrylate-compatible coupling agent approved by the material manufacturer. Elements shall meet or exceed a minimum initial coefficients of retroreflected luminance value of 200 mcd/m<sup>2</sup>/lx for white and 150 mcd/m<sup>2</sup>/lx for yellow in accordance with ASTM E2832.

The reflective elements shall contain either clear or yellow tinted microcrystalline ceramic beads bonded to the opacified core. These elements shall not be manufactured using lead, chromate or arsenic. All "dry-performing" microcrystalline ceramic beads bonded to the core shall have a minimum index of refraction of 1.89 when tested using the liquid oil immersion method. All "wet performing" microcrystalline ceramic beads bonded to the core shall have a minimum index of refraction of 2.40 when tested using the liquid oil immersion method. The test method is described in ASTM E1967-98.

The gradation for the reflective elements shall be as follows:

US Mesh	Micron	Standard Elements
10	2000	95-100
14	1410	0-40
20	850	0-7

A sample of reflective elements supplied by the manufacturer shall show resistance to corrosion of their surface after exposure to a 1% solution (by weight) of sulfuric acid for 24 hours. After testing, no more than 15% of beads shall show a distinct opaque surface upon microscopic examination after the test.

The reflective elements are surface treated to optimize embedment and adhesion to the MMA binder. Elements treated for use with MMA shall have identification on packaging or label to indicate use with the MMA binder.

### Reflectance

Typical initial retroreflectivity values are shown in the table below. Typical retroreflectivity is averaged over many readings. Minimum retroreflectivity results represent average performance for smooth pavement surfaces. Results may vary due to differences in pavement type and surface roughness. Increased element drop rate may be necessary to compensate for increased surface area characteristic of rough pavement surfaces.

Minimum Initial Retroreflectivity Values		
	White	Yellow
Dry (ASTM E1710)	700	525
Wet recovery (ASTM E2177)	275	225
Wet continuous (ASTM E2176)	200	150

## 9-35 TEMPORARY TRAFFIC CONTROL MATERIALS

### 9-35.5 Portable Changeable Message Signs

*(January 10, 2022, WSDOT GSP, Option 1.2023)*

Section 9-35.5 is revised to read:

PCMS, mPCMS, and truck mounted PCMS shall meet the requirements of the MUTCD and the following general requirements:

1. Use light emitting diode (LED) technology capable of emitting a yellow or amber image when displayed with a flat black image matching the background when not activated.
2. Be capable of displaying 3 lines of at least 8 alphanumeric characters with a minimum of one pixel separation between each line.
3. Be capable of displaying 2 phases of messages at 2.0 second display each in addition to 3 phases of messages at 1.5 second display each.
4. PCMS characters shall be at least 18 inches in height.
5. mPCMS characters shall be at least 12 inches in height.
6. Truck-mounted PCMS characters shall be at least 10 inches in height.

7. The sign display shall be covered by a stable, impact resistant polycarbonate face. The sign face shall be non-glare from all angles and shall not degrade due to exposure to ultraviolet light.
8. Be capable of simultaneously activating all pixels for the purpose of pixel diagnostics. This feature shall not occur when the sign is displaying an active message.
9. The light source shall be energized only when the sign is displaying an active message.
10. Primary source of power shall be solar power with a battery backup to provide continuous operation when failure of the primary power source occurs.
11. The sign controller software shall be NTCIP compliant.

The PCMS panels and related equipment shall be permanently mounted on a trailer or truck with all needed controls and power generating equipment.

**Standard Plans**

**(May 5, 2025 WSDOT)**

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

**A-10.30**

RISER RING detail (Including SECTION view and RISER RING DIMENSIONS table): The RISER RING detail is deleted from the plan.

INSTALLATION detail, SECTION A: The "1/4"" callout is revised to read "+/- 1/4" (SEE CONTRACT ~ Note: The + 1/4" installation is shown in the Section A view)"

**A-40.20**

Sheet 1, NOTES 1, 2, 3, and 4 are replaced with the following:

1. Use the 1/2 inch joint details for bridges with expansion length less than 100 feet and for bridges with L type abutments. Use the 1 inch joint details for other applications.
2. Use detail 5, 6, 7 on steel trusses and timber bridges with concrete bridge deck panels.
3. For details 1, 2, 3, and 4, the item "HMA Joint Seal at Bridge End" shall be used for payment. For details 5 and 6, the item "HMA Joint Seal at Bridge Deck Panel Joint" shall be used for payment. For detail 7, the item "Clean and Seal Bridge Deck Panel Joint" shall be used for payment.

Sheet 2, Detail 8 reference to "6-09.3(6)" is revised to read "6-21.3(7)".

**A-50.40**

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

"BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 21, 24, OR 25 (SEE STANDARD PLAN C-25.20, C-25.30, OR C-25.32)"

A-60.40

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

B-55.20

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

B-90.40

Valve Detail – DELETED

C-20.41

Note 4, First Sentence, "Box Culvert guardrail steel posts are not needed for fill depths greater than 40 inches." is revised to read; "Box culvert guardrail steel posts are not needed for fill depths greater than 46 inches. Provide 6-inches or greater of separation between the bottom of the guardrail post and top of the culvert"

BOX CULVERT POST ASSEMBLY, ELEVATION VIEW, post assembly length dimension "41" MIN. 72" MAX." is revised to read; "41" MIN. 78" MAX."

SECTION A, base material depth dimension - "9" MIN. 40" MAX. (SEE NOTE 4)" is revised to read: "9" MIN. 46" MAX. (SEE NOTE 4)"

C20-43

Note 4, First Sentence: "Box culvert guardrail steel posts are not needed for fill depths greater than 40 inches." is revised to read: "Box culvert guardrail steel posts are not needed for fill depths greater than 46 inches. Provide 6-inches or greater separation between the bottom of guardrail post and top of culvert."

BOX CULVERT POST & BASE PLATE ASSEMBLY, ELEVATION VIEW, post assembly length dimension – "41" MIN. 72" MAX." is revised to read: "41" MIN. 78" MAX."

SECTION A, base material depth dimension - "9" MIN. 40" MAX. (SEE NOTE 4)" is revised to read: "9" MIN. 46" MAX. (SEE NOTE 4)"

C-23.70

Sheet 2, ANCHOR BRACKET ASSEMBLY DETAIL, dimension, "R. 5/16" is revised to read; R. 15/16"

ANCHOR PLATE DETAIL, weld callout (fillet), 1/4" is revised to read; 3/16"

C-60.20

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

C-70.15

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

### C81.10

Sheet 1, TYPICAL SECTION – TRAFFIC BARRIER the R4 #6 bar on the traffic face may be placed 4" down from the top of the barrier to allow additional room to install BP railing or other attachments. The R4 bar shall be kept tight to the front R2 bar.

Sheet 4, the existing table "IMPACT SHEAR AND IMPACT MOMENT TABLE" is renamed to "IMPACT SHEAR AND MOMENT TABLE DECK OVERHANG AND CONNECTIONS" keynote 25 is still applicable.

Sheet 4, NOTES, the following Note is added: "3. Deck overhangs for this use constitute plain reinforced concrete typically around 8" in thickness, non-prestressed moment slabs or approach slabs, or plain reinforced and longitudinally prestressed box girders which employ a topping slab. Other Supporting Structure Systems inclusive of post-tensioned decks, walls, and or Structure segments tied together without a topping slab, with the ties in the barrier resistance load path, shall use the impact shear and moments for other supporting structures."

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

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

### C-81.15

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

### C-85.11

On Section B, the callout "3" EXPANDED POLYSTYRENE AROUND COLUMN (TYP.)" is revised to read "3" EXPANDED POLYSTYRENE OR POLYETHYLENE FOAM AROUND COLUMN (TYP.)"

### D-3.09

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

### D-3.10

Sheet 1, Typical Section, callout – "FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.15" is revised to read; "FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER, SEE CONTRACT PLANS"

Sheet 1, Typical Section, callout – "FOR WALLS WITH F-SHAPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.16" is revised to read; "FOR WALLS WITH F-SHAPE TRAFFIC BARRIER, SEE CONTRACT PLANS"

### D-3.11

Sheet 1, Typical Section, callout – "B" BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD

PLANS D-3.15 OR D-3.16" is revised to read; "B" BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)

Sheet 1, Typical Section, callout – "TYPICAL BARRIER ON BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD PLANS D-3.15 OR D-3.16" is revised to read; "TYPICAL BARRIER ON BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)

#### D-10.10

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

#### D-10.15

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

#### D-10.30

Wall Type 5 may be used in all cases.

#### D-10.35

Wall Type 6 may be used in all cases.

#### D-10.40

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

#### D-10.45

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

#### E-20.10

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

#### F-10.18

Note 1; "Construct curb joints at cement concrete pavement transverse joint locations. If all adjacent pavement is HMA, see Standard Plan F-30.10 for Curb Expansion and Contraction Joint Spacing." is revised to read – "See Standard Plan F-30.10 and Standard Specification Section 8-04.3 for Curb Expansion and Contraction Joint details and spacing."

CURB 3 Detail, the diamond note 1 callout on the 6" dimension at the bottom left side of the detail, is revised to be a diamond note 2 callout.

#### F-30.10

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

#### F-40.12

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 7 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.

Section B is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

Section C is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

#### F-40.14

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 7 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.

Section A is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

Section C is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

#### F-40.15

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 7 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.

Section A is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

#### F-40.16

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 8 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.

Section A is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

Section B is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

#### F-80.10

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 6 is replaced with the following:

The running slope of the Pedestrian Ramp shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk.

Section A is amended as follows:

Delete: "15" Max."

J-5.50

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

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

J-10.10

Sheet 4 of 6, "Foundation Size Reference Table", PAD WIDTH column, Type 33xD=6' – 3" is revised to read: 7' – 3". Type 342LX / NEMA P44=5' – 10" is revised to read: 6' – 10"

Sheet 5 of 6, Plan View, "FOR EXAMPLE PAD SHOWN HERE:", "first bullet" item, "-SPACE BETWEEN TYPE B MOD. CABINET AND 33x CABINET IS 6" (IN)" IS REVISED TO READ: "SPACE BETWEEN TYPE B MOD. CABINET (BACK OF ALL CHANNEL STEEL) AND 33x CABINET IS 6" (IN) (CHANNEL STEEL ADDS ABOUT 5" (IN)"

J-10.16

Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-10.17

Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-10.18

Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-15.15

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

J-20.01

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

J-20.10

DELETED

J-20.11

DELETED

J-20.26

Add Note 1, "1. One accessible pedestrian pushbutton station per pedestrian pushbutton post."

Add General Note 2, to read: "Signs shown are for locations with pedestrian signal displays (Accessible Pedestrian Signals/APS). Accessible information device (AID) pushbuttons signs not shown."

Revise View Titles (Both Sheets) to read: "ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY"

J-20.16

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

J-21.10

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

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

Flat Foundation Detail – Elevation, callout; “ANCHOR BOLTS ~ 3/4” (IN) x 30” (IN) FULL THREAD ~ THREE REQ'D. PER ASSEMBLY” is revised to read; “ANCHOR BOLTS ~ 3/4” (IN) x 30” (IN) FULL THREAD ~ FOUR REQ'D. PER ASSEMBLY”

Flat Foundation Detail – Elevation, dimension; 4’ – 0” is revised to read; “4’ – 0” ROUND OR 3’ – 0” SQUARE”

J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 1/2” DIAM., is revised to read; CHASE NIPPLE ~ 1 1/2” (IN) DIAM.

J-21.16

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

J-26.10

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

J-27.10

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

J-28.30

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

J-29.10

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

J-40.10

Sheet 2 of 2, Detail F, callout, “12 – 13 x 1 1/2” S.S. PENTA HEAD BOLT AND 12” S. S. FLAT WASHER” is revised to read; “12 – 13 x 1 1/2” S.S. PENTA HEAD BOLT AND 1/2” (IN) S. S. FLAT WASHER”

J-40.36

Note 1, second sentence; “Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; “Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-40.37

Note 1, second sentence; “Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; “Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-50.15

Sheet 1, SECTION A, the call out “LOOP LEAD-IN WIRES, TWISTED PAIRS ~ MAX. 3 PAIRS” is revised to read “LOOP LEAD-IN WIRES, TWISTED PAIRS ~ MAX. 6 PAIRS” General Note 1 reference to “2-09.3(1)E” is revised to read “3-07.3(1)E”

J-75.20

Key Notes, note 16, second bullet point, was: “1/2” (IN) x 0.45” (IN) Stainless Steel Bands”, add the following to the end of the note: “Alternate: Stainless steel cable with stainless steel ends, nuts, bolts, and washers may be used in place of stainless steel bands and associated hardware.”

J-75.55

Notes, Note A1, Revise reference, was – G-90.29, should be – G-90.20.

L-5.10

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

M-20.30

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

M-40.10

Guide Post Type ~ Reflective Sheeting Applications Table, remove reference - “(SEE NOTE 5)”

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00.....8/7/07	A-30.35-00 ..... 10/12/07	A-50.10-02 ..... 7/18/24
A-10.20-00.....10/5/07	A-40.00-01 ..... 7/6/22	A-50.40-01 ..... 8/17/21
A-10.30-00.....10/5/07	A-40.10-04 ..... 7/31/19	A-60.10-03 ..... 12/23/14
A-20.10-00.....8/31/07	A-40.15-00 ..... 8/11/09	A-60.20-03 ..... 12/23/14
A-30.10-00.....11/8/07	A-40.20-04 ..... 1/18/17	A-60.30-01 ..... 6/28/18
A-30.30-01.....6/16/11	A-40.50-03 ..... 9/12/23	A-60.40-00 ..... 8/31/07
B-5.20-03.....9/9/20	B-30.50-03 ..... 2/27/18	B-75.20-03 ..... 8/17/21
B-5.40-02.....1/26/17	B-30.60-00 ..... 9/9/20	B-75.50-02 ..... 3/15/22
B-5.60-02.....1/26/17	B-30.40-03 ..... 2/27/18	B-70.60-01 ..... 1/26/17
B-10.20-03.....8/23/23	B-30.70-04 ..... 2/27/18	B-75.60-00 ..... 6/8/06
B-10.40-02.....8/17/21	B-30.80-01 ..... 2/27/18	B-80.20-00 ..... 6/8/06
B-10.70-03.....8/23/23	B-30.90-02 ..... 1/26/17	B-80.40-00 ..... 6/1/06
B-15.20-01.....2/7/12	B-35.20-00 ..... 6/8/06	B-85.10-01 ..... 6/10/08
B-15.40-01.....2/7/12	B-35.40-01 ..... 8/23/23	B-85.20-00 ..... 6/1/06
B-15.60-02.....1/26/17	B-40.20-00 ..... 6/1/06	B-85.30-00 ..... 6/1/06

B-20.20-02.....3/16/12	B-40.40-02 ..... 1/26/17	B-85.40-00 ..... 6/8/06
B-20.40-04.....2/27/18	B-45.20-01 ..... 7/11/17	B-85.50-01 ..... 6/10/08
B-20.60-03.....3/15/12	B-45.40-01 ..... 7/21/17	B-90.10-00 ..... 6/8/06
B-25.20-02.....2/27/18	B-50.20-00 ..... 6/1/06	B-90.20-00 ..... 6/8/06
B-25.60-03.....8/23/23	B-55.20-03 ..... 8/17/21	B-90.30-00 ..... 6/8/06
B-30.05-00.....9/9/20	B-60.20-02 ..... 9/9/20	B-90.40-01 ..... 1/26/17
B-30.10-03.....2/27/18	B-60.40-01 ..... 2/27/18	B-90.50-00 ..... 6/8/06
B-30.15-00.....2/27/18	B-65.20-01 ..... 4/26/12	B-95.20-02 ..... 8/17/21
B-30.20-04.....2/27/18	B-65.40-00 ..... 6/1/06	B-95.40-01 ..... 6/28/18
B-30.30-03.....2/27/18	B-70.20-01 ..... 3/15/22	
C-1.....9/8/22	C-23.70-01 ..... 10/16/23	C-70.10-04 ..... 10/16/23
C-1b.....10/12/23	C.24.10-05 ..... 7/21/24	C-70.15-01 ..... 7/21/24
C-1d.....10/31/03	C-24.15-00 ..... 3/15/22	C-75.10-02 ..... 9/16/20
C-6a.....9/8/22	C-25.20-07 ..... 8/20/21	C-75.20-03 ..... 8/20/21
C-7.....9/8/22	C-25.22-06 ..... 8/20/21	C-75.30-03 ..... 8/20/21
C-7a.....9/8/22	C-25.26-05 ..... 8/20/21	C-80.10-03 ..... 10/16/23
C-20.10-09 .....10/12/23	C-25.30-01 ..... 8/20/21	C-80.20-01 .....6/11/14
C-20.14-05 .....9/8/22	C-25.32-00 ..... 7/29/24	C-80.30-02 ..... 8/20/21
C-20.15-03 .....10/12/23	C-25.80-05 ..... 8/12/19	C-80.40-01 .....6/11/14
C-20.18-04 .....9/8/22	C-60.10-04 ..... 7/21/24	C-85.10-00 ..... 4/8/12
C-20.40-10 .....10/12/23	C-60.15-01 ..... 7/21/24	C-85.11-01 ..... 9/16/20
C-20.41-05 .....7/18/24	C-60.20-01 ..... 9/8/22	C-85.15-03 ..... 10/17/23
C-20.43-01 .....7/18/24	C-60.30-02 ..... 7/21/24	C-85.18-03 ..... 9/8/22
C-20.44-00 .....8/13/24	C-60.40-01 ..... 7/21/24	C-81.10-00 ..... 9/12/23
C-20.45-03 .....9/8/22	C-60.45-01 ..... 7/21/24	C-81.15-00 ..... 9/12/23
C-20.55-00 .....7/30/24	C-60.50-01 ..... 7/21/24	
C-22.16-08 .....10/17/23	C-60.60-01 ..... 7/21/24	
C-22.40-11.....7/21/24	C-60.70-01 ..... 9/8/22	
C-22.45-07 .....7/21/24	C-60.80-02 ..... 7/21/24	
D-2.36-03 .....6/11/14	D-3.11-03 .....6/11/14	D-10.25-01 ..... 8/7/19
D-2.46-02 .....8/13/21	D-4 .....12/11/98	D-10.30-00 ..... 7/8/08
D-2.84-00 .....11/10/05	D-6 .....6/19/98	D-10.35-00 ..... 7/8/08
D-2.92-01 .....4/26/22	D-10.10-01 ..... 12/2/08	D-10.40-01 ..... 12/2/08
D-3.09-00 .....5/17/12	D-10.15-01 ..... 12/2/08	D-10.45-01 ..... 12/2/08
D-3.10-01 .....5/29/13	D-10.20-01 ..... 8/7/19	D-20.10-00 ..... 10/9/23
E-1.....2/21/07	E-4 .....8/27/03	E-20.10-00 ..... 9/12/23
E-2.....5/29/98	E-4a .....8/27/03	E-20.20-00 ..... 10/4/23
F-10.12-04 .....9/24/20	F-10.62-02 ..... 4/22/14	F-40.15-04 ..... 9/25/20
F-10.16-00 .....12/20/06	F-10.64-03 ..... 4/22/14	F-40.16-03 ..... 6/29/16
F-10.18-04 .....6/28/24	F-30.10-04 ..... 9/25/20	F-45.10-05 ..... 6/4/24
F-10.40-04 .....9/24/20	F-40.12-03 ..... 6/29/16	F-80.10-04 ..... 7/15/16
F-10.42-00.....1/23/07	F-40.14-03 ..... 6/29/16	
G-10.10-00 .....9/20/07	G-24.50-05 ..... 8/7/19	G-90.10-03 .....7/11/17
G-20.10-03 .....8/20/21	G-24.60-05 ..... 6/28/18	G-90.20-05 .....7/11/17
G-22.10-04 .....6/28/18	G-25.10-05 ..... 9/16/20	G-90.30-04 .....7/11/17
G-24.10-00 .....11/8/07	G-26.10-00 ..... 7/31/19	G-95.10-02 ..... 6/28/18

G-24.20-01 .....	2/7/12	G-30.10-04 .....	6/23/15	G-95.20-03 .....	6/28/18
G-24.30-02 .....	6/28/18	G-50.10-03 .....	6/28/18	G-95.30-03 .....	6/28/18
G-24.40-07 .....	6/28/18				
H-10.10-01 .....	6/2/24	H-30.10-00 .....	10/12/07	H-70.10-02 .....	8/17/21
H-10.11-00 .....	6/2/24	H-32.10-00 .....	9/20/07	H-70.20-02 .....	8/17/21
H-10.15-01 .....	6/2/24	H-60.10-01 .....	7/3/08		
H-10.16-00 .....	6/2/24	H-60.20-01 .....	7/3/08		
I-10.10-01 .....	8/11/09	I-30.20-00 .....	9/20/07	I-40.20-00 .....	9/20/07
I-30.10-02 .....	3/22/13	I-30.30-02 .....	6/12/19	I-50.20-02 .....	7/6/22
I-30.15-02 .....	3/22/13	I-30.40-02 .....	6/12/19	I-60.10-01 .....	6/10/13
I-30.16-01 .....	7/11/19	I-30.60-02 .....	6/12/19	I-60.20-01 .....	6/10/13
I-30.17-01 .....	6/12/19	I-40.10-00 .....	9/20/07	I-80.10-02 .....	7/15/16
J-05.50-00 .....	8/30/22	J-26.10-03 .....	7/21/16	J-50.05-00 .....	7/21/17
J-10 .....	7/18/97	J-26.15-01 .....	5/17/12	J-50.10-01 .....	7/31/19
J-10.10-04 .....	9/16/20	J-26.20-01 .....	6/28/18	J-50.11-02 .....	7/31/19
J-10.12-00 .....	9/16/20	J-27.10-01 .....	7/21/16	J-50.12-02 .....	8/7/19
J-10.14-00 .....	9/16/20	J-27.15-00 .....	3/15/12	J-50.13-01 .....	8/30/22
J-10.15-01 .....	6/11/14	J-28.01-00 .....	8/30/22	J-50.15-01 .....	7/21/17
J-10.16-02 .....	8/18/21	J-28.10-02 .....	8/7/19	J-50.16-01 .....	3/22/13
J-10.17-02 .....	8/18/21	J-28.22-00 .....	8/07/07	J-50.18-00 .....	8/7/19
J-10.18-02 .....	8/18/21	J-28.24-02 .....	9/16/20	J-50.19-00 .....	8/7/19
J-10.20-04 .....	8/18/21	J-28.26-01 .....	12/02/08	J-50.20-00 .....	6/3/11
J-10.21-02 .....	8/18/21	J-28.30-04 .....	6/18/24	J-50.25-00 .....	6/3/11
J-10.22-03 .....	10/4/23	J-28.40-02 .....	6/11/14	J-50.30-00 .....	6/3/11
J-10.25-01 .....	6/21/24	J-28.42-01 .....	6/11/14	J-60.05-01 .....	7/21/16
J-10.26-00 .....	8/30/22	J-28.43-01 .....	6/28/18	J-60.11-00 .....	5/20/13
J-12.15-00 .....	6/28/18	J-28.45-03 .....	7/21/16	J-60.12-00 .....	5/20/13
J-12.16-00 .....	6/28/18	J-28.50-03 .....	7/21/16	J-60.13-00 .....	6/16/10
J-15.10-01 .....	6/11/14	J-28.60-03 .....	8/27/21	J-60.14-01 .....	7/31/19
J-15.15-02 .....	7/10/15	J-28.70-04 .....	8/30/22	J-75.10-02 .....	7/10/15
J-20.01-01 .....	6/21/24	J-29.10-02 .....	8/26/22	J-75.20-01 .....	7/10/15
J-20.05-00 .....	6/21/24	J-29.15-01 .....	7/21/16	J-75.30-02 .....	7/10/15
J-20.10-05 .....	10/4/23	J-29.16-02 .....	7/21/16	J-75.50-00 .....	8/30/22
J-20.11-03 .....	7/31/19	J-30.10-01 .....	8/26/22	J-75.55-00 .....	8/30/22
J-20.15-04 .....	6/21/24	J-40.01-00 .....	8/30/22	J-80.05-00 .....	8/30/22
J-20.16-02 .....	6/30/14	J-40.05-00 .....	7/21/16	J-80.10-01 .....	8/18/21
J-20.20-02 .....	5/20/13	J-40.10-04 .....	4/28/16	J-80.12-00 .....	8/18/21
J-20.26-01 .....	7/12/12	J-40.20-03 .....	4/28/16	J-80.15-00 .....	6/28/18
J-21.10-05 .....	6/21/24	J-40.30-04 .....	4/28/16	J-81.10-02 .....	8/18/21
J-21.15-01 .....	6/10/13	J-40.35-01 .....	5/29/13	J-81.12-00 .....	9/3/21
J-21.16-02 .....	6/21/24	J-40.36-02 .....	7/21/17	J-84.05-00 .....	8/30/22
J-21.17-01 .....	6/10/13	J-40.37-02 .....	7/21/17	J-86.10-00 .....	6/28/18
J-21.20-01 .....	6/10/13	J-40.38-01 .....	5/20/13	J-90.10-03 .....	6/28/18
J-22.15-03 .....	6/21/24	J-40.39-00 .....	5/20/13	J-90.20-03 .....	6/28/18
J-22.16-03 .....	7/10/15	J-40.40-02 .....	7/31/19	J-90.21-02 .....	6/28/18
J-22.17-00 .....	6/21/24	J-45.36-00 .....	7/21/17	J-90.50-00 .....	6/28/18
K-70.20-01 .....	6/1/16	K-80.32-00 .....	8/17/21	K-80.35-01 .....	9/16/20

K-80.10-02.....9/25/20	K-80.34-00 ..... 8/17/21	K-80.37-01 ..... 9/16/20
L-5.10-02.....6/5/24	L-20.10-03.....7/14/15	L-40.20-02.....6/21/12
L-5.15-00.....9/19/22	L-30.10-02.....6/11/14	L-70.10-01.....5/21/08
L-10.10-02.....6/21/12	L-40.15-01.....6/16/11	L-70.20-01.....5/21/08
M-1.20-04 ..... 9/25/20	M-9.60-00..... 2/10/09	M-24.66-00.....7/11/17
M-1.40-03 ..... 9/25/20	M-11.10-04 ..... 8/2/22	M-40.10-04.....10/17/23
M-1.60-03 ..... 9/25/20	M-12.10-04..... 6/28/24	M-40.20-00.....10/12/07
M-1.80-03 ..... 6/3/11	M-15.10-02..... 7/17/23	M-40.30-01.....7/11/17
M-2.20-03 ..... 7/10/15	M-17.10-02..... 7/3/08	M-40.40-00.....9/20/07
M-2.21-00 ..... 7/10/15	M-20.10-04..... 8/2/22	M-40.50-00.....9/20/07
M-3.10-04 ..... 9/25/20	M-20.20-02..... 4/20/15	M-40.60-00.....9/20/07
M-3.20-04 ..... 8/2/22	M-20.30-05..... 6/28/24	M-60.10-01.....6/3/11
M-3.30-04 ..... 9/25/20	M-20.40-03..... 6/24/14	M-60.20-03.....8/17/21
M-3.40-04 ..... 9/25/20	M-20.50-02.....6/3/11	M-65.10-03.....8/17/21
M-3.50-03 ..... 9/25/20	M-24.20-02..... 4/20/15	M-80.10-01.....6/3/11
M-5.10-03 ..... 9/25/20	M-24.40-02..... 4/20/15	M-80.20-00.....6/10/08
M-7.50-01 ..... 1/30/07	M-24.60-04..... 6/24/14	M-80.30-00.....6/10/08
M-9.50-02 ..... 6/24/14	M-24.65-00.....7/11/17	

## END DIVISION 9

**Minimum Street Design Standards, Table 1**  
Drawing FW.A5.10-A, REV: JUN 2024

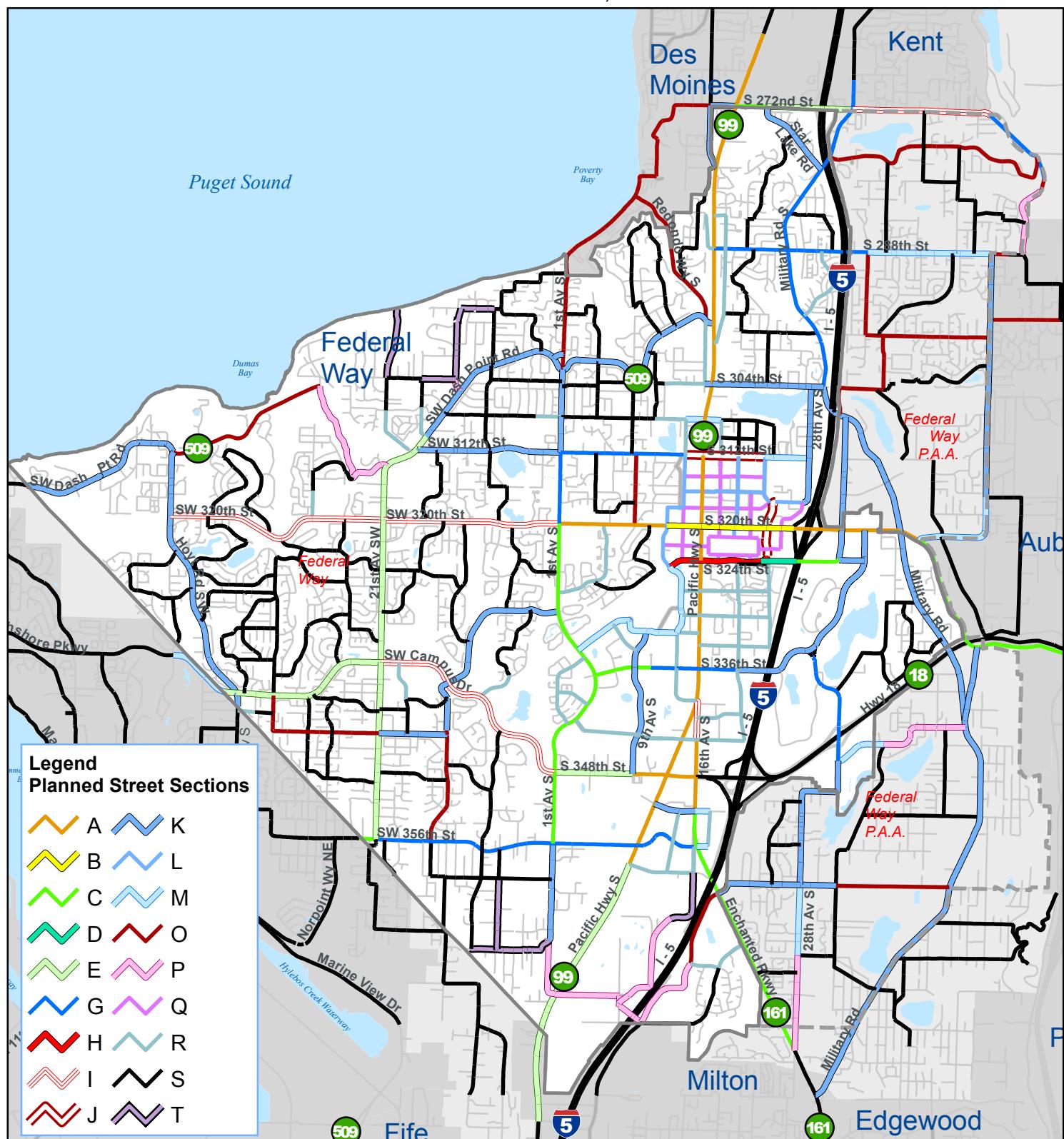
Cross Section Type	A		B	C		D	E		F	G				H	I				J	K	
Description	4 Lane + HOV + Median		4 Lane + HOV + Median in City Center	4 Lane + Bike + Median		4 Lane + Bike + Median in City Center	4 Lane + Median		4 Lane + Median in City Center	5 Lane + Bike				5 Lane + Bike in City Center	5 Lane				5 Lane in City Center	3 Lane + Bike	
Functional Classification	Principal Arterial		Principal Arterial	Principal Arterial	Minor Arterial	Principal Arterial	Minor Arterial	Principal Arterial	Minor Arterial	Principal Arterial	Minor Arterial	Principal Collector	Principal Arterial	Minor Arterial, Principal Collector	Principal Arterial	Minor Arterial	Principal Collector	Principal Arterial	Minor Arterial, Principal Collector	Principal Arterial	Minor Arterial, Principal Collector
Comprehensive Plan Land Use Designation	All Except City Center	City Center	City Center	All except City Center		City Center	All except City Center		City Center	All except City Center		All except City Center and Single Family	Single Family	City Center	All except City Center		All except City Center and Single Family	Single Family	City Center	All except City Center	
Access Classification	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	
Average Daily Traffic	> 35,000		> 35,000	25,000 - 35,000		25,000 - 35,000	25,000 - 35,000		25,000 - 35,000	15,000 - 25,000				15,000 - 25,000	15,000 - 25,000				15,000 - 25,000	5,000 - 15,000	
Directional Design Hourly Volume	1,675 - 2,525		1,675 - 2,525	1,250 - 1,675		1,250 - 1,675	1,250 - 1,675		1,250 - 1,675	825 - 1,250				825 - 1,250	825 - 1,250				825 - 1,250	350 - 825	
Design Speed (mph)	40	35	40	40		35	40		35	40				35	40				35	40	
Maximum Grade (%)	8		8	8	10	8	10	8	10	8	10	10	12	8	10	8	10	10	12	8	10
Minimum Right-of-Way Width (feet)	120		100	106		102	98		94	100				96	92				88	78	
Minimum Pavement Width (feet)	86		84	72		72	64		64	66				68	58				58	44	
Through Lanes	6		6	4		4	4		4	4				4	4				4	2	
Median	Raised		Raised	Raised		Raised	Raised		Raised	Two-Way Left Turn Lane				Two-Way Left Turn Lane	Two-Way Left Turn Lane				Two-Way Left Turn Lane	Two-Way Left Turn Lane	
Bike Lanes	No		No	Yes		Yes	No		No	Yes				No	No				No	Yes	
On-Street Parking	No		No	No		No	No		No	No				No	No				No	No	
Curb or Ditch	Curb		Curb	Curb		Curb	Curb		Curb	Curb				Curb	Curb				Curb	Curb	
Sidewalk Width (feet)	8		8	8		12	8		12	8				12	8				12	8	
Planter Strip Width (feet)	6		0	6		0	6		0	6				5	6				0	6	
Lighting	Street	Street and Decorative	Street and Decorative	Street	Street and Decorative	Street	Street and Decorative	Street	Street	Street	Street	Street and Decorative	Street	Street and Decorative	Street	Street	Street	Street and Decorative	Street	Street	Street
Street Trees	In Planter Strip and Median		Outside Sidewalk and in Median	In Planter Strip and Median		In Median and Curbside Pits	In Planter Strip and Median		In Median and Curbside Pits	In Planter Strip				In Curbside Pits	In Planter Strip				In Curbside Pits	In Planter Strip	

Cross Section Type	L	M			N	O			P			Q	R	S		T		U	V	W	X	Y	Z
Description	3 Lane + Bike in City Center	3 Lane			3 Lane + Parking in City Center	2 Lane + Bike			2 Lane + Ditch			2 Lane + Parking in City Center	2 Lane + Parking	2 Lane + Parking		2 Lane + Ditch		2 Lane + Parking	2 Lane + Parking	1 Lane + Parking	2 Lane + Ditch	Infill	Cul-de-sac
Functional Classification	Principal Collector	Principal Arterial	Minor Arterial	Principal Collector		Minor Collector	Principal Arterial	Minor Arterial	Principal Collector		Principal Collector	Minor Collector, Local	Minor Collector, Local	Minor Collector	Local	Minor Collector	Local	Local	Local	Local	Local	Local	
Comprehensive Plan Land Use Designation	City Center	All except City Center		All except City Center and Single Family	Single Family	City Center	All except City Center and Medium- and Low Density Single Family		All except City Center and Single Family	High-Density Single Family	Medium- and Low Density Single Family			City Center	All except City Center and Single Family	High-Density Single Family	Medium- and Low Density Single Family		High-Density Single Family	Medium- and Low Density Single Family	High-Density Single Family	Medium- and Low Density Single Family	High-Density Single Family
Access Classification	4	4			4	4	4			4	5	5	5	5	5	5	5	5	5	5	5	5	
Average Daily Traffic	5,000 - 15,000	5,000 - 15,000			5,000 - 15,000	< 5,000			< 5,000			< 5,000	< 5,000	< 5,000	500 - 1,000	< 5,000	500 - 1,000	250 - 500	< 250	< 250	< 50	< 250	
Directional Design Hourly Volume	350 - 825	350 - 825			350 - 825	< 350			< 350			< 350	< 350	< 350	50 - 100	< 350	50 - 100	25 - 50	25 - 50	< 25	< 25	< 25	
Design Speed (mph)	35	40			25	40			40			25	30	25	25	25	25	30	25	30	25	5	
Maximum Grade (%)	10	8	10	10	12	10	8	10	10	12	8	10	12	10	10	12	15	12	15	15	15	15	
Minimum Right-of-Way Width (feet)	74	70			80	68			70			70	66	60		60		56	56	52	52	38	106
Minimum Pavement Width (feet)	44	36			50	34			32														

# Planned Street Sections

Std. Detail FW.A5.10-B, Rev: Jul 2024

Map Date: April 2015  
City of Federal Way  
GIS Division  
33325 8th Ave S  
Federal Way, WA 98003  
253-835-7000  
[www.cityoffederalway.com](http://www.cityoffederalway.com)



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Scale:

0 0.5

Miles



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

This map is intended for use as a graphical representation. The City of Federal Way makes no warranty as to its accuracy.

NOTE:

THIS APPROVAL IS VOID 1 (ONE) YEAR AFTER APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.

FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE CITY ENGINEER.

PERMIT NO. XX-XXXXXX-XX

APPROVED

DATE

APPROVAL BLOCK

NOTES:

- 1) BLOCK DIMENSIONS ARE 2" x 4".
- 2) APPROVAL BLOCK TO BE LOCATED IN LOWER RIGHT-HAND CORNER OF ALL PLAN SHEETS, AND SHALL INCLUDE THE 1-YEAR EXPIRATION NOTE.

REV: JUN 2024

AS-BUILT CERTIFICATION:  
I HEREBY DECLARE THAT THE HORIZONTAL AND  
VERTICAL LOCATIONS OF THE STORM DRAINAGE  
AND ROAD SYSTEM SHOWN HEREON IS THE  
RESULT OF A FIELD SURVEY PERFORMED BY ME  
OR UNDER MY DIRECTION.

NAME \_\_\_\_\_ L.S.# \_\_\_\_\_ DATE \_\_\_\_\_

PERMIT NO. XX-XXXXXX-XX

CITY OF FEDERAL WAY  
AS-BUILT

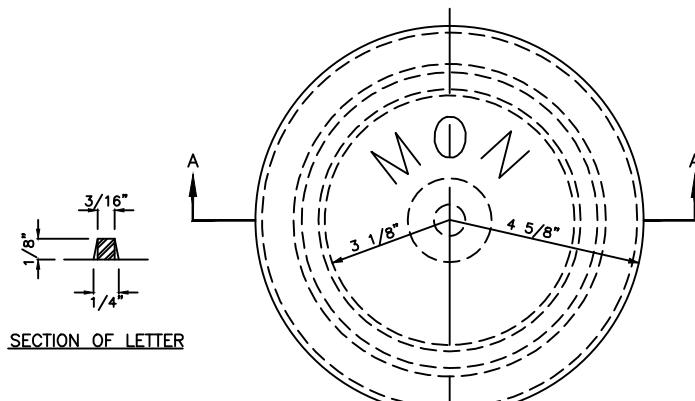
DATE \_\_\_\_\_

### AS-BUILT BLOCK

#### NOTES:

- 1) BLOCK DIMENSIONS ARE 2" x 4".
- 2) AS-BUILT BLOCK TO BE LOCATED AS NEAR AS POSSIBLE TO LOWER RIGHT-HAND CORNER OF ALL PLAN SHEETS.
- 3) AS-BUILT PLANS MUST ALSO HAVE THE CITY AS-BUILT CERTIFICATION PLACED ON THE FIRST SHEET OF THE PLAN SET.

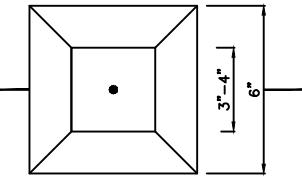
REV: JUN 2024



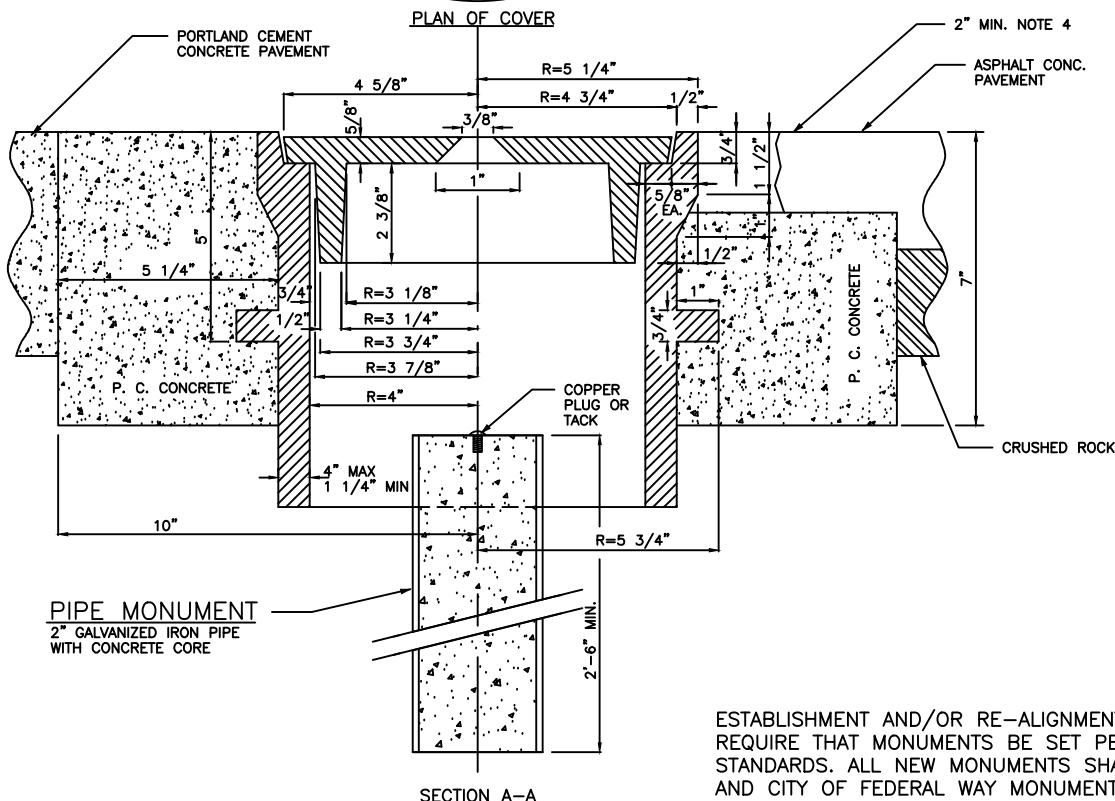
SECTION OF LETTER

NOTES:

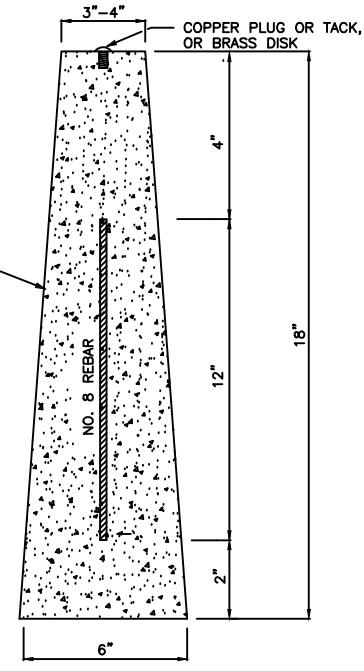
1. CASTINGS SHALL BE GRAY IRON ASTM A48, AASHTO M 105, CLASS 30.
2. COVER AND SEAT SHALL BE MACHINED FOR PERFECT CONTACT AROUND CIRCUMFERENCE AND FULL WIDTH OF BEARING SURFACE.
3. APPROXIMATE WEIGHTS, STANDARD.  
CASE 60 LBS  
COVER 19 LBS  
TOTAL 79 LBS
4. PAVEMENT SHALL BE ASPHALT CONCRETE OR APPROVED SUBSTITUTE.
5. CONCRETE SHALL BE CLASS 4000.
6. SEE SECTION 3.8.5.
7. COVER LETTERING MAY READ MONUMENT OR MON



PLAN OF MONUMENT



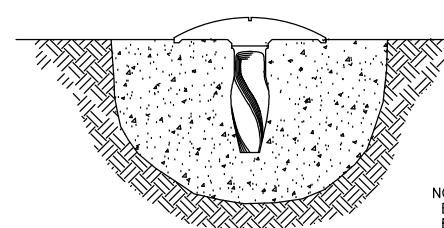
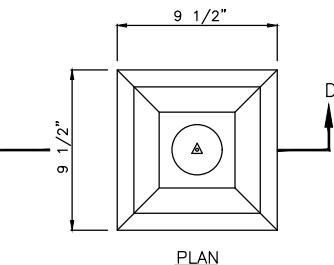
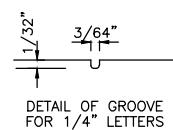
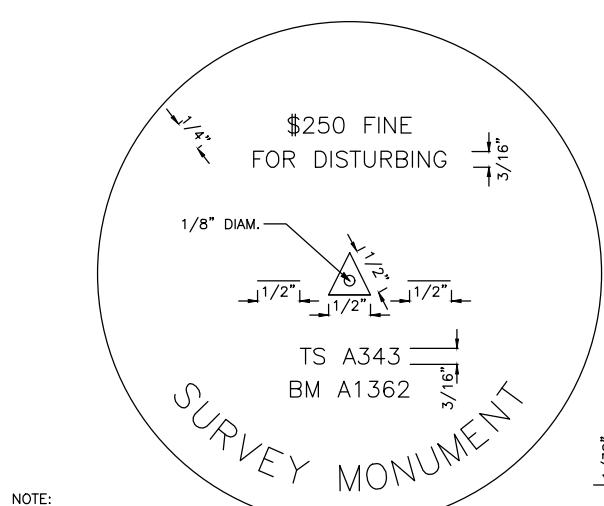
CONCRETE MONUMENT (ALTERNATE)



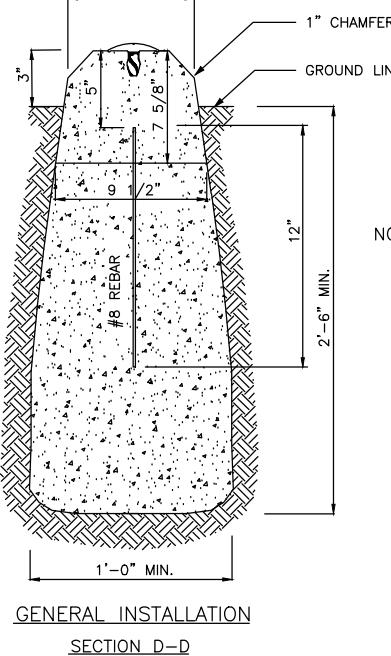
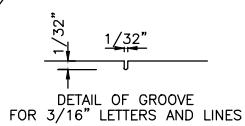
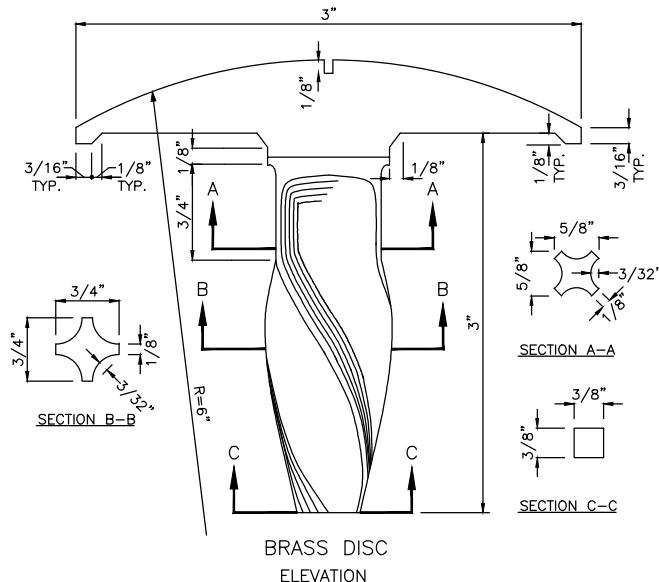
SECTION B-B

ESTABLISHMENT AND/OR RE-ALIGNMENT OF A ROADWAY/RIGHT-OF-WAY CENTERLINE REQUIRE THAT MONUMENTS BE SET PER SECTION 3.8.5 OF THE PUBLIC WORKS DEVELOPMENT STANDARDS. ALL NEW MONUMENTS SHALL BE DOCUMENTED WITH A RECORD OF SURVEY AND CITY OF FEDERAL WAY MONUMENT RECORD FORM (DETAIL 3-37). EXCEPTION: ROADWAY MONUMENTS THAT ARE SET/ESTABLISHED AS PART OF A RECORDED SUBDIVISION.

REV: MAR 2025



LEDGE ROCK OR CONCRETE INSTALLATION



NOTES;

1. THE BRASS DISC SHALL BE CAST OF YELLOW BRASS SAE 41.
2. CONCRETE SHALL BE CLASS 4000.
3. THE HOLE SHALL BE 2.5' MIN. IN DEPTH OR 0.5' BELOW THE DEEPEST RECORDED FROST LINE. ALL LOOSE MATERIAL SHALL BE REMOVED FROM THE BOTTOM OF THE HOLE SO THAT THE CONCRETE IS ON FIRM, UNDISTURBED EARTH.
4. THE TOP OF THE CONCRETE SHALL BE TROWLED SMOOTH AND THE BRASS DISC SET IN THE CENTER WITH ITS TOP EDGE FLUSH AND LEVEL.
5. COORDINATES OR ELEVATIONS SHALL NOT BE PLACED ON THE BRASS DISCS.

ESTABLISHMENT AND/OR RE-ALIGNMENT OF A ROADWAY/RIGHT-OF-WAY CENTERLINE REQUIRE THAT MONUMENTS BE SET PER SECTION 3.8.5 OF THE PUBLIC WORKS DEVELOPMENT STANDARDS. ALL NEW MONUMENTS SHALL BE DOCUMENTED WITH A RECORD OF SURVEY AND CITY OF FEDERAL WAY MONUMENT RECORD FORM (DETAIL 3-37). EXCEPTION: ROADWAY MONUMENTS THAT ARE SET/ESTABLISHED AS PART OF A RECORDED SUBDIVISION.

## CITY OF FEDERAL WAY MONUMENT RECORD

MONUMENT RECORD NUMBER:

DATE SURVEYED:

ELEVATION: (FT):  
(NGVD-29 DATUM)

ESTABLISHED BY (NAME):

(COMPANY):

LATITUDE:

LONGITUDE:

GRID VALUES:

NORTHING:

EASTING:

COORDINATE PRECISION:

SECTION:

TOWNSHIP:

RANGE:

LOCATION:

MONUMENT TYPE:

SKETCH (INCLUDE ANY REFERENCE TIES):

NOTES:

PLS SEAL:

REV: MAR 2025



CITY OF  
Federal Way

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PUBLIC  
WORKS

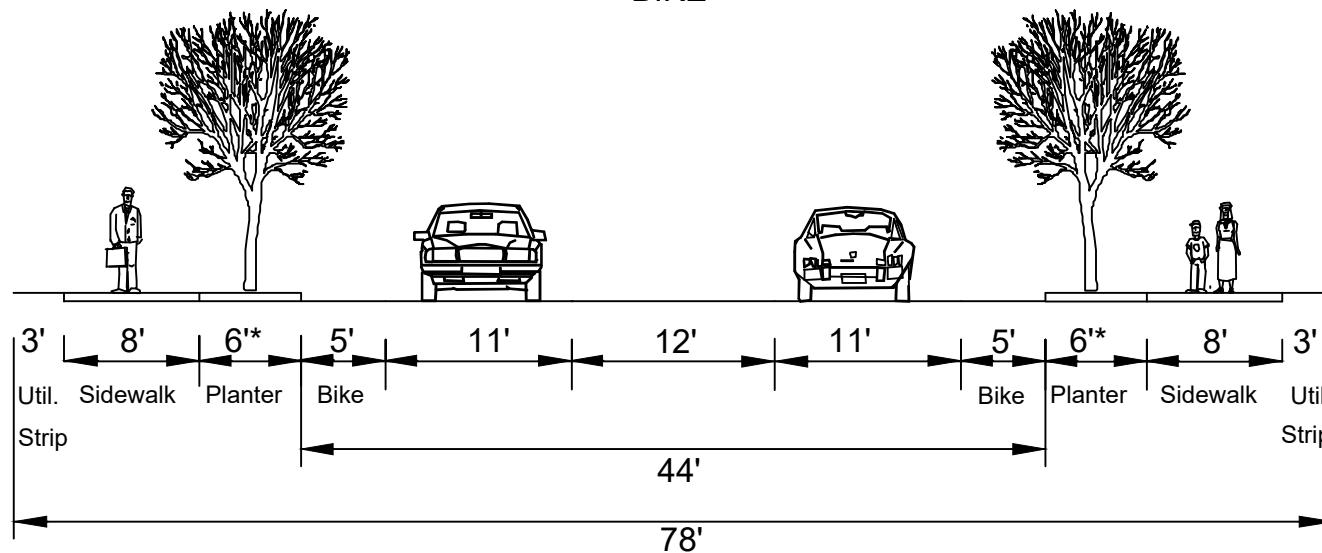
MONUMENT RECORD

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

STD. DETAIL  
FW.A10.30-C

## CROSS SECTION TYPE K

3 LANES  
+ BIKE



### MINIMUM PAVEMENT SECTIONS

**PRINCIPAL ARTERIAL**  
1.0' HMA 1/2", PG 58H-22  
0.83' CSTC

**MINOR ARTERIAL**  
0.67' HMA 1/2", PG 58H-22  
0.50' HMA 1", PG 58H-22

OR

0.83' HMA 1/2", PG 58H-22  
0.83' CSTC

**PRINCIPAL COLLECTOR**  
**COMMERCIAL, INDUSTRIAL, MULTIFAMILY**  
0.50' HMA 1/2", PG 58H-22  
0.50' ATB AND/OR CRUSHED SURFACING  
(SEE NOTE 2)

OR

**RESIDENTIAL**  
0.30' HMA 1/2", PG 58H-22  
0.50' HMA AND/OR CRUSHED SURFACING  
(SEE NOTE 2)

SUBBASE: SEE NOTE 1 FOR ALL SECTIONS

### NOTES

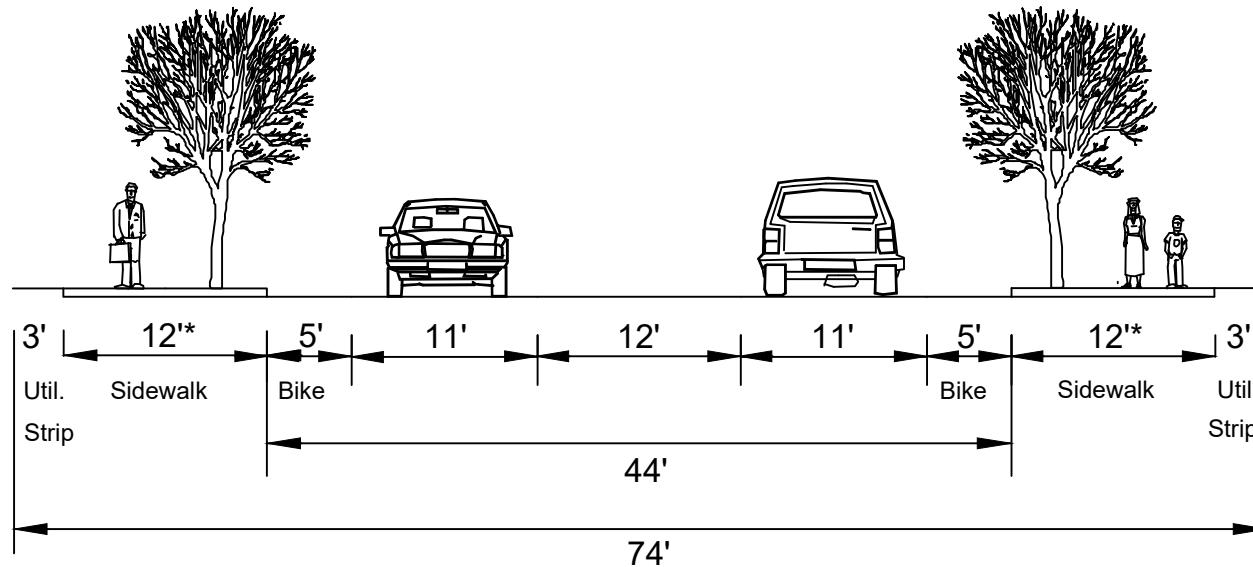
1. BANK RUN - THICKNESS TO BE DETERMINED BY DESIGN.
2. THICKNESS SHALL BE DETERMINED BY DESIGN WITH MIN. THICKNESS OR 0.67' IF ATB IS NOT USED.
3. STREET LIGHTS AND STREET TREES ARE REQUIRED - SEE STANDARD DETAILS, SECTIONS H AND J.
4. THIS CROSS SECTION MAY BE MODIFIED TO COMPLY WITH TRAIL REQUIREMENTS. CONTACT THE TRAFFIC DIVISION FOR ADDITIONAL INFORMATION.

\* PLANTER STRIP DIMENSION IS MEASURED FROM THE SIDEWALK TO THE FACE OF CURB.

REV: MAR 2025

## CROSS SECTION TYPE L

3 LANES  
+ BIKE  
IN CITY CENTER



### MINIMUM PAVEMENT SECTIONS

PRINCIPAL COLLECTOR  
COMMERCIAL, INDUSTRIAL, MULTIFAMILY  
0.50' HMA 1/2", PG 58H-22  
0.50' ATB AND/OR CRUSHED SURFACING  
(SEE NOTE 1)

OR

RESIDENTIAL  
0.30' HMA 1/2", PG 58H-22  
0.50' HMA AND/OR CRUSHED SURFACING  
(SEE NOTE 1)

### NOTES

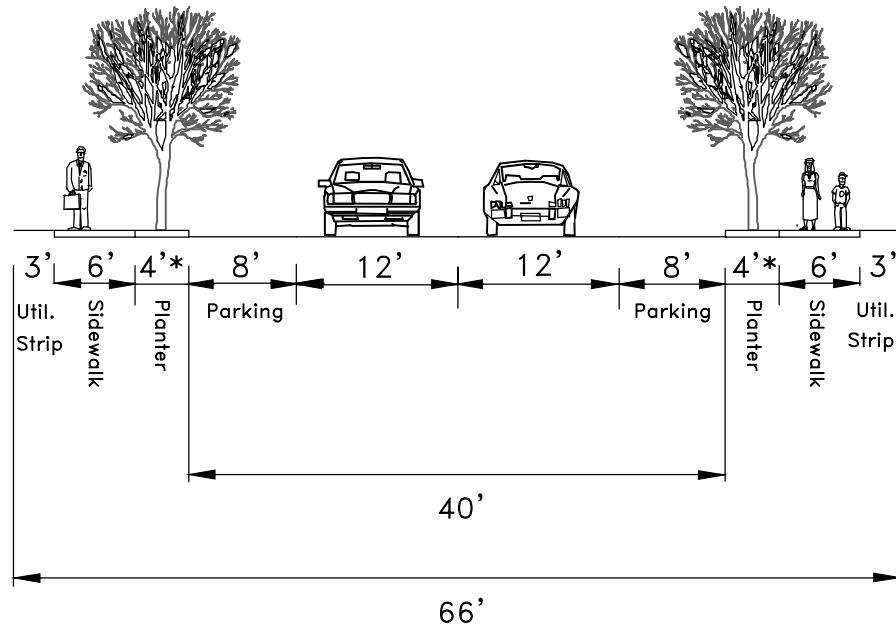
1. THICKNESS SHALL BE DETERMINED BY DESIGN WITH MIN. THICKNESS OR 0.67' IF ATB IS NOT USED.
2. DECORATIVE STREET LIGHTS AND STREET TREES ARE REQUIRED - SEE STANDARD DETAILS, SECTIONS H AND J.
3. THIS CROSS SECTION MAY BE MODIFIED TO COMPLY WITH TRAIL REQUIREMENTS. CONTACT THE TRAFFIC DIVISION FOR ADDITIONAL INFORMATION.

\* SIDEWALK DIMENSION IS MEASURED FROM THE BACK OF WALK TO THE FACE OF CURB.

REV: MAR 2025

## CROSS SECTION TYPE R

2 LANES  
+ PARKING



### MINIMUM PAVEMENT SECTIONS

#### MINOR COLLECTOR

0.25' HMA  $\frac{1}{2}$ ", PG 58H-22  
0.17' CSTC  
0.50' CSBC

#### LOCAL (RESIDENTIAL)

0.25' HMA  $\frac{1}{2}$ ", PG 58H-22  
0.17' CSTC  
0.42' CSBC

#### NOTES:

- 1) SUBBASE TO BE BANK RUN AS NECESSARY TO STABILIZE PAVEMENT
- 2) USE STANDARD DETAILS FROM SECTIONS FW.H AND FW.J FOR STREET TREES AND STREET LIGHTS.

\* PLANTER STRIP DIMENSION IS MEASURED FROM THE SIDEWALK TO THE FACE OF CURB.

REV: JUN 2024



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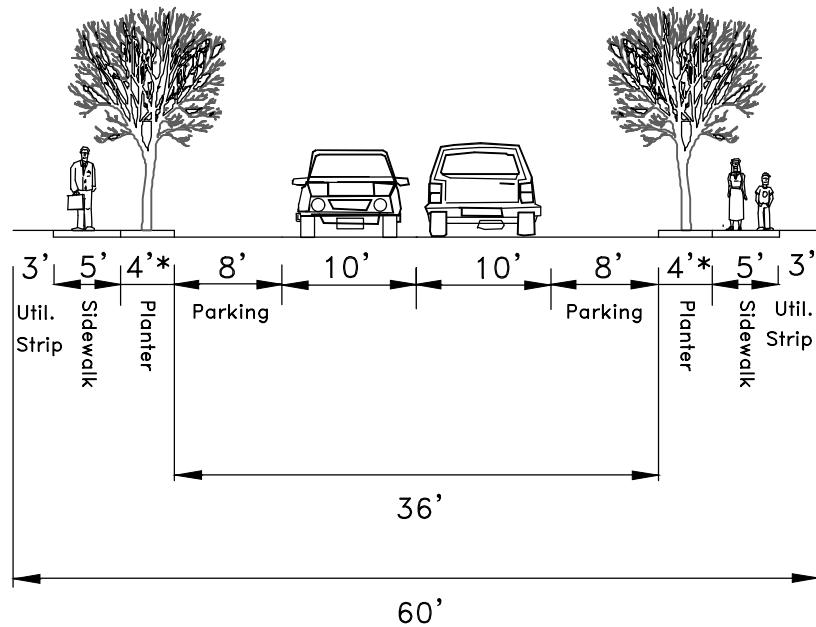
Official bid documents, plan holder's list, and addenda (if applicable)  
are available on BPAAC.com

COLLECTOR/LOCAL

STD. DETAIL  
FW.A15.30-R

## CROSS SECTION TYPE S

2 LANES  
+ PARKING



### MINIMUM PAVEMENT SECTIONS

#### MINOR COLLECTOR

0.25' HMA  $\frac{1}{2}$ ", PG 58H-22  
0.17' CSTC  
0.50' CSBC

#### LOCAL (RESIDENTIAL)

0.25' HMA  $\frac{1}{2}$ ", PG 58H-22  
0.17' CSTC  
0.42' CSBC

#### NOTES:

- 1) SUBBASE TO BE BANK RUN AS NECESSARY TO STABILIZE PAVEMENT
- 2) USE STANDARD DETAILS FROM SECTIONS FW.H AND FW.J FOR STREET TREES AND STREET LIGHTS.

\* PLANter STRIP DIMENSION IS MEASURED FROM THE SIDEWALK TO THE FACE OF CURB.

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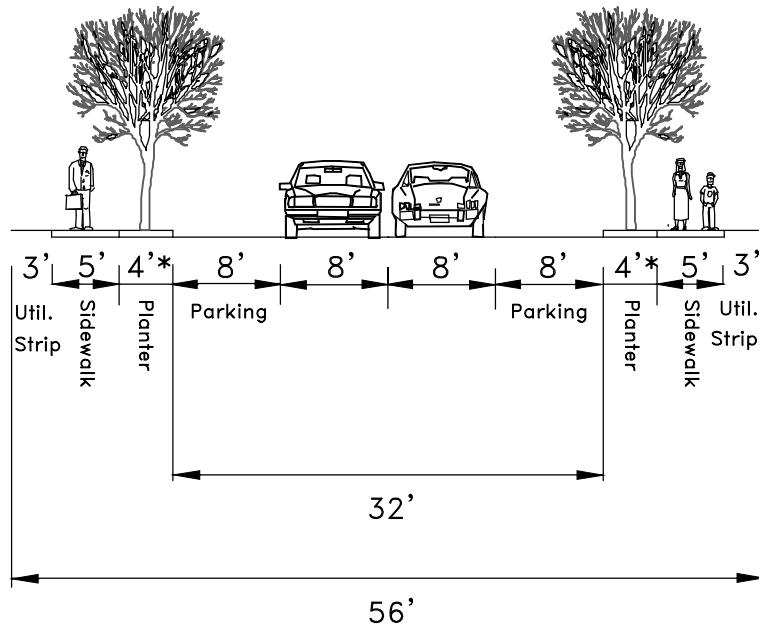
Official bid documents, plan holder's list, and addenda (if applicable)  
are available on BPAAC.com

COLLECTOR LOCAL

STD. DETAIL  
FW.A15.30-S

## CROSS SECTION TYPE U

2 LANES  
+ PARKING



### MINIMUM PAVEMENT SECTION

0.25' HMA  $\frac{1}{2}$ ", PG 58H-22  
0.17' CSTC  
0.42' CSBC

#### NOTES:

1. SUBBASE TO BE BANK RUN AS NECESSARY TO STABILIZE PAVEMENT
2. USE STANDARD DETAILS FROM SECTIONS FW.H and FW.J FOR STREET TREES AND STREET LIGHTS.

\* PLANTER STRIP DIMENSION IS MEASURED FROM THE SIDEWALK TO THE FACE OF CURB.

REV: JUN 2024



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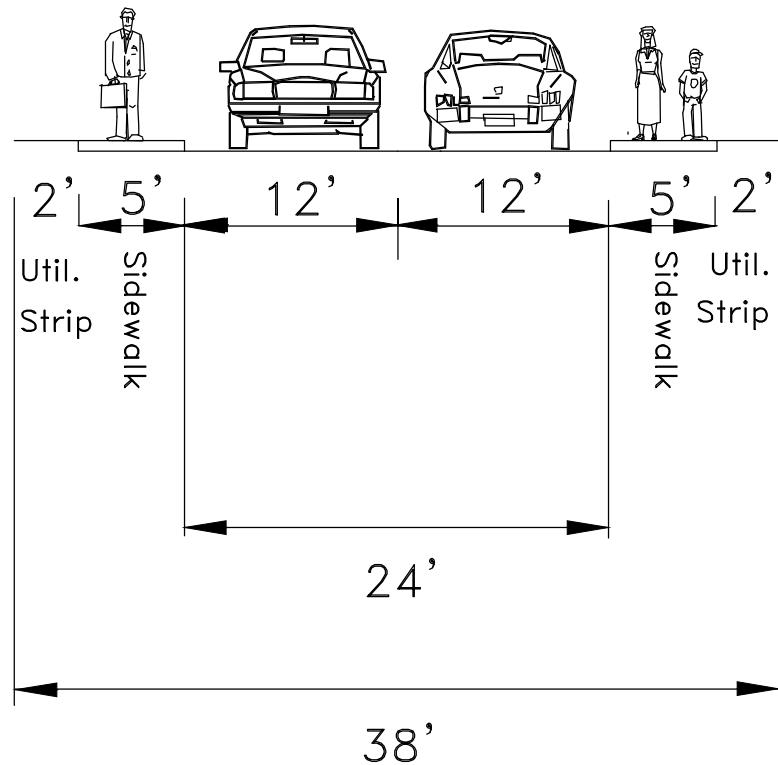
Official bid documents, plan holder's list, and addenda (if applicable)  
are available on [EXWA.com](http://EXWA.com)

LOCATE

STD. DETAIL  
FW.A15.30-U

## CROSS SECTION TYPE Y

### INFILL CUL-DE-SAC



#### MINIMUM PAVEMENT SECTION

0.25' HMA  $\frac{1}{2}$ ", PG 58H-22  
0.17' CSTC  
0.42' CSBC

\* SIDEWALK DIMENSION IS MEASURED FROM THE BACK OF WALK TO THE FACE OF CURB.

#### USE:

1. THIS SECTION MAY ONLY BE USED IN CLUSTER AND SHORT SUBDIVISIONS WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
  - A. THE STREET IS IN A PRIVATE TRACT.
  - B. THE TRACT ABUTS, OR WILL ULTIMATELY SERVE, FOUR OR LESS DWELLING UNITS.
  - C. THE TRACT IS LESS THAN 150 FEET IN LENGTH.
2. USE STANDARD DETAILS FROM SECTIONS FW.H and FW.J FOR STREET TREES AND STREET LIGHTS.

REV: JUN 2024



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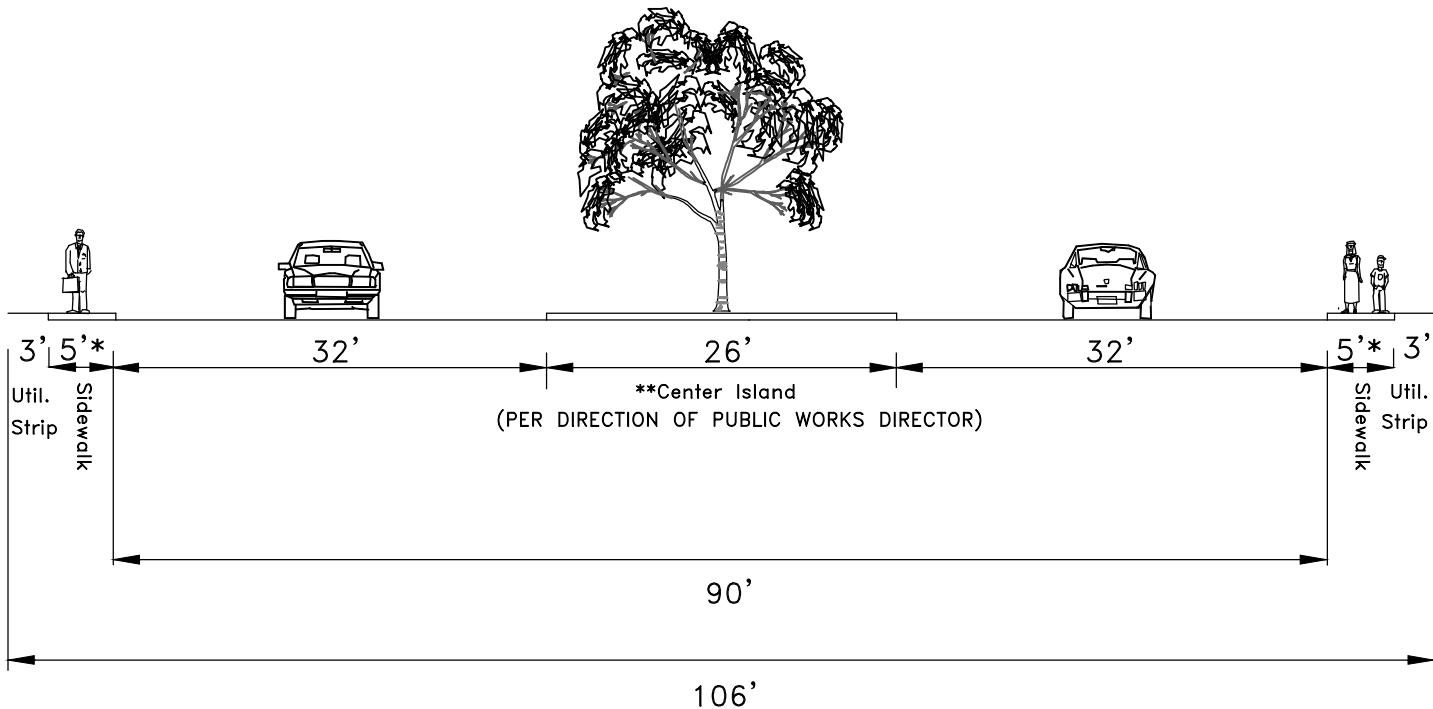
Official bid documents, plan holder's list, and addenda (if applicable)  
are available on [FWWA.com](http://FWWA.com)

LOCATE

STD. DETAIL  
FW.A15.30-Y

## CROSS SECTION TYPE Z

### CUL-DE-SAC TERMINUS BULB



#### MINIMUM PAVEMENT SECTION

0.25' HMA  $\frac{1}{2}$ ", PG 58H-22  
0.17' CSTC  
0.42' CSBC

#### NOTES:

1. SUBBASE TO BE BANK RUN AS NECESSARY TO STABILIZE PAVEMENT
2. USE STANDARD DETAILS FROM SECTIONS FW.H and FW.J FOR STREET TREES AND STREET LIGHTS.

\* SIDEWALK DIMENSION IS MEASURED FROM THE BACK OF WALK TO THE FACE OF CURB.

\*\* CENTER ISLAND OPTIONAL – AS APPROVED BY PUBLIC WORKS

REV: JUN 2024



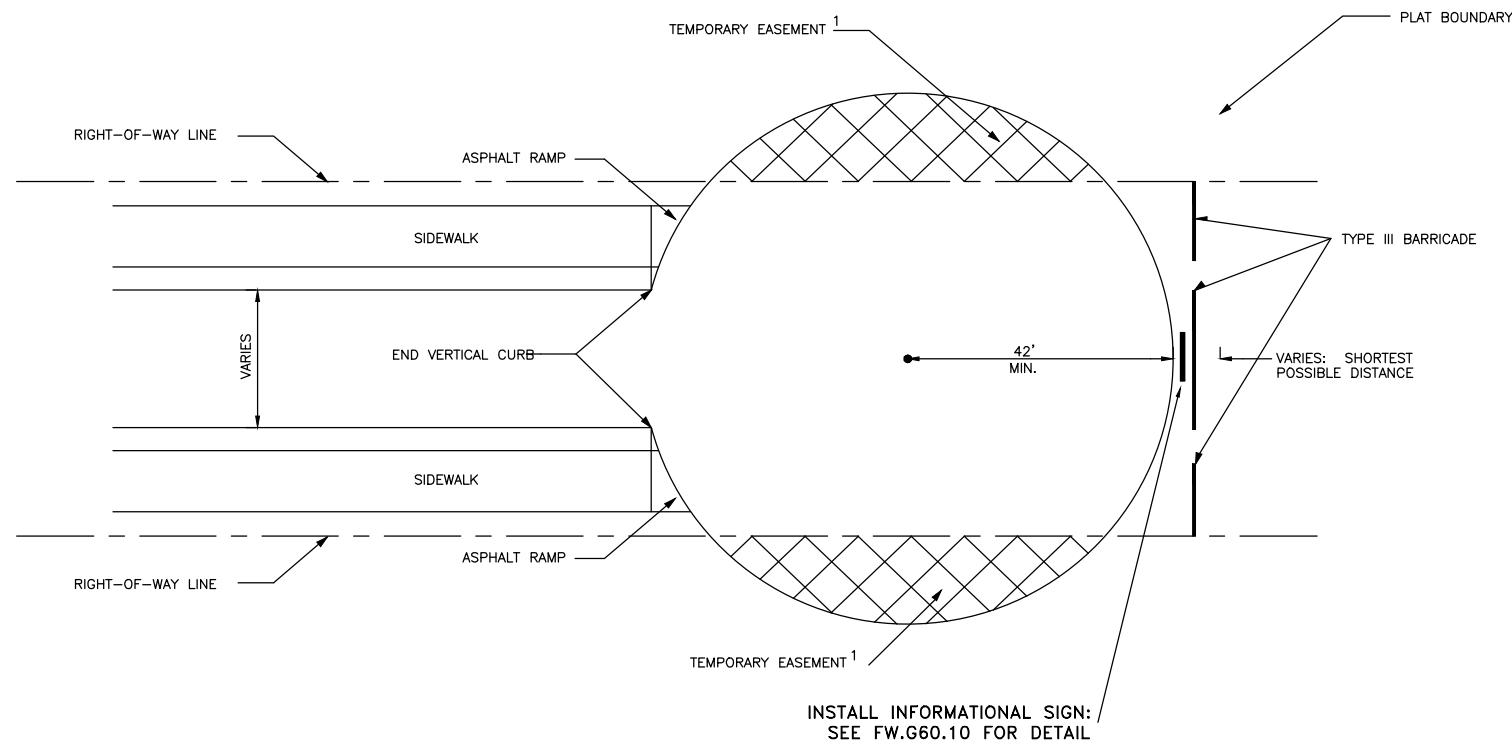
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Official bid documents, plan holder's list, and addenda (if applicable)  
are available on DPAWA.com

CUL-DE-SAC

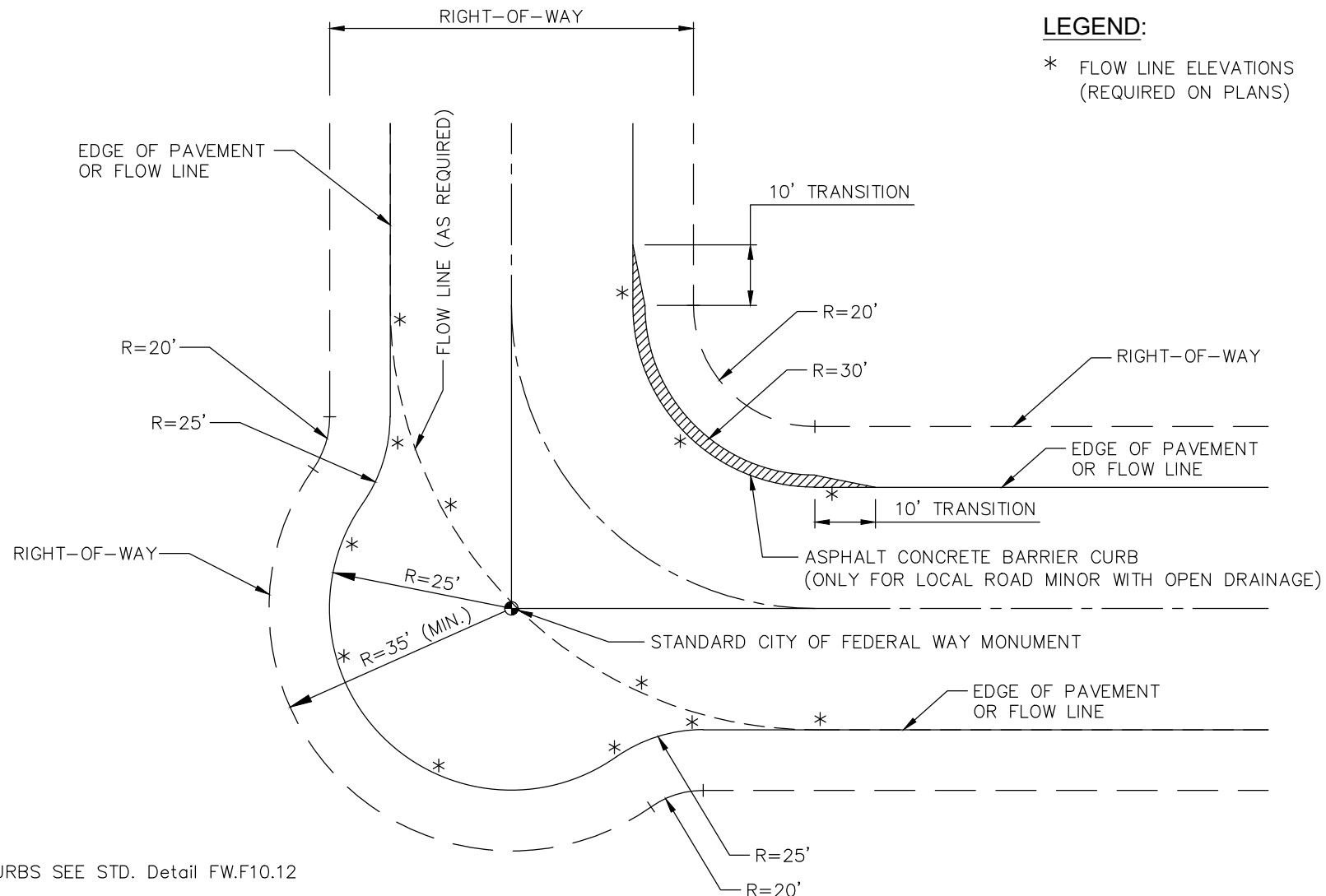
STD. DETAIL  
FW.A15.30-Z



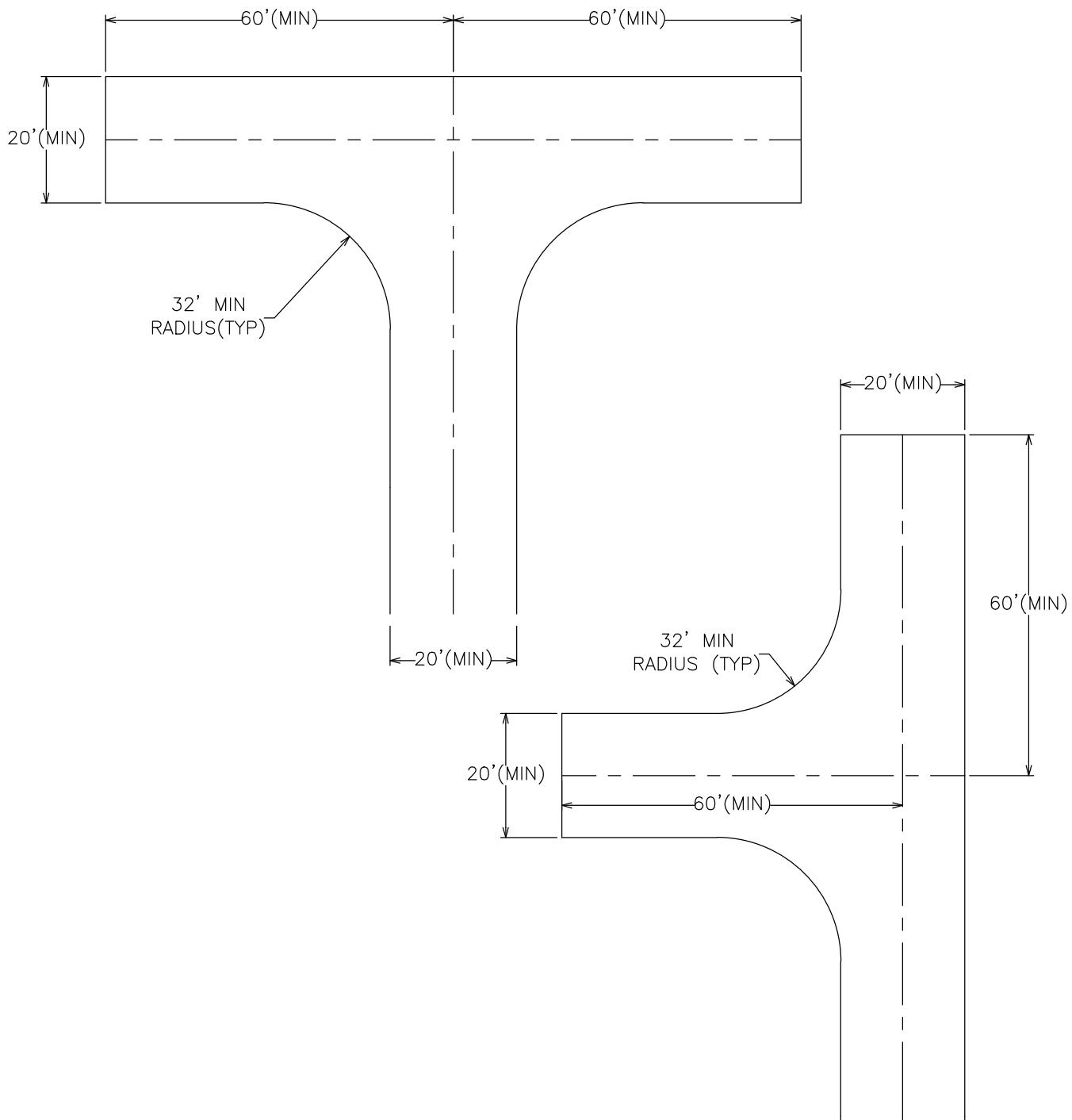
NOTES:

1. SEE SEC. 4.7
2. TYPE III BARRICADE REQUIRED AT END OF BULB.
3. PERMANENT BARRICADES SHALL BE RED/WHITE.
4. ALL BARRICADES SHALL BE IN ACCORDANCE WITH CURRENT EDITION OF MUTCD.

REV: JUN 2024



REV: JUN 2024



NOTES:

1. THESE DRAWINGS ILLUSTRATE TYPICAL APPROVED FIRE APPARATUS ACCESS TURNAROUNDS. THE SIDE ACCESS DESIGN MAY BE RIGHT OR LEFT. (LEFT DIRECTION SHOWN)
2. ALL DIMENSIONS ARE MINIMUM REQUIREMENTS.
3. OTHER SHAPED ACCESS TURNAROUNDS ARE AN ACCEPTABLE ALTERNATIVE TO THOSE SHOWN PROVIDED THE DESIGN MEETS THE MINIMUM DIMENSION REQUIREMENTS SHOWN ABOVE.
4. ALTERNATIVE DESIGNS BY APPROVAL OF THE FIRE MARSHAL.
5. MINIMUM ROAD WIDTH SHOWN DOES NOT INCLUDE ANY SHOULDER DIMENSIONS OR CURB DIMENSIONS IF REQUIRED.

REV: JUN 2024



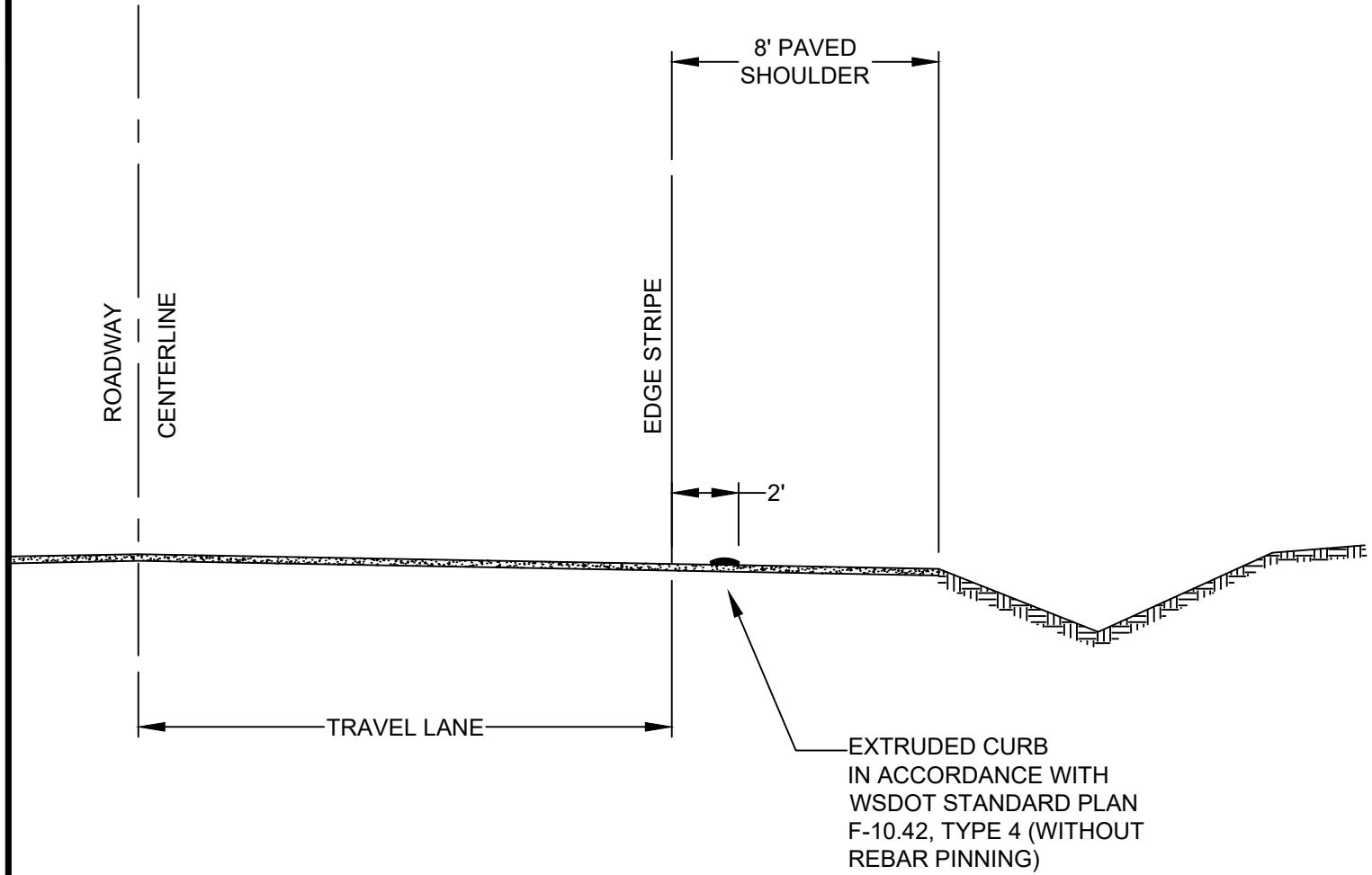
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ALTERNATIVE FIRE APPARATUS  
ACCESS TURNAROUND

STD. DETAIL  
FW.A15.60



#### NOTES

1. EXTRUDED CURB WILL ONLY BE INSTALLED WITH THE APPROVAL OF THE CITY TRAFFIC ENGINEER.
2. FOR OTHER CONFIGURATIONS, COORDINATE WITH TRAFFIC ENGINEERING.

REV: JUN 2024



CITY OF

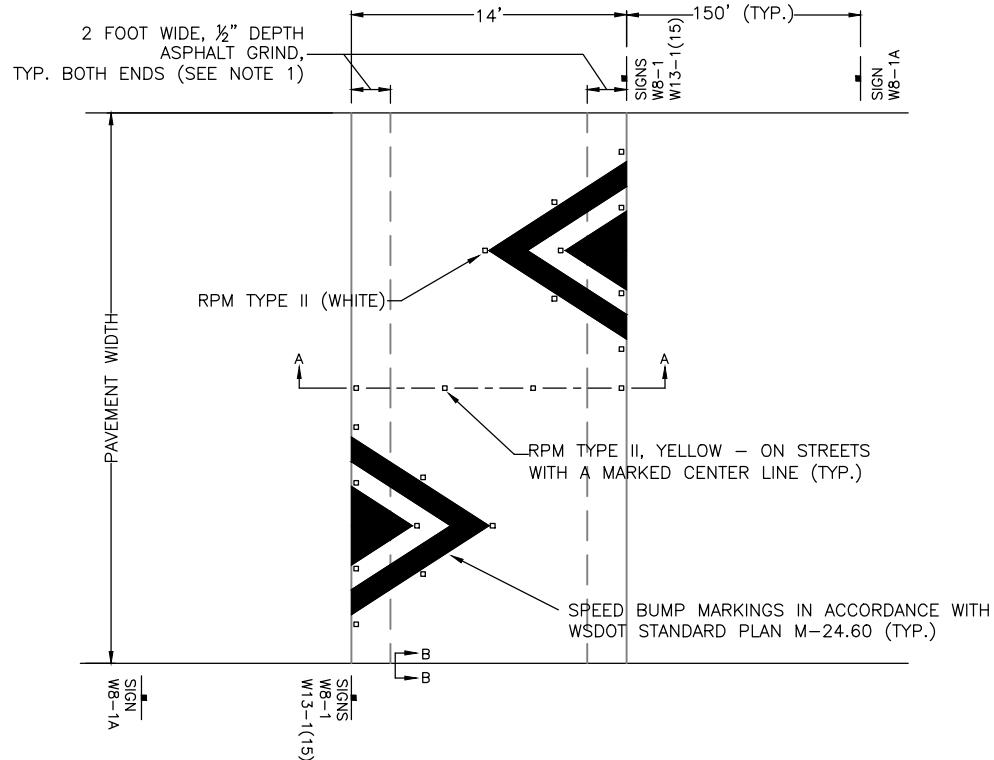
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are available on Bidding.ACity.WA.gov

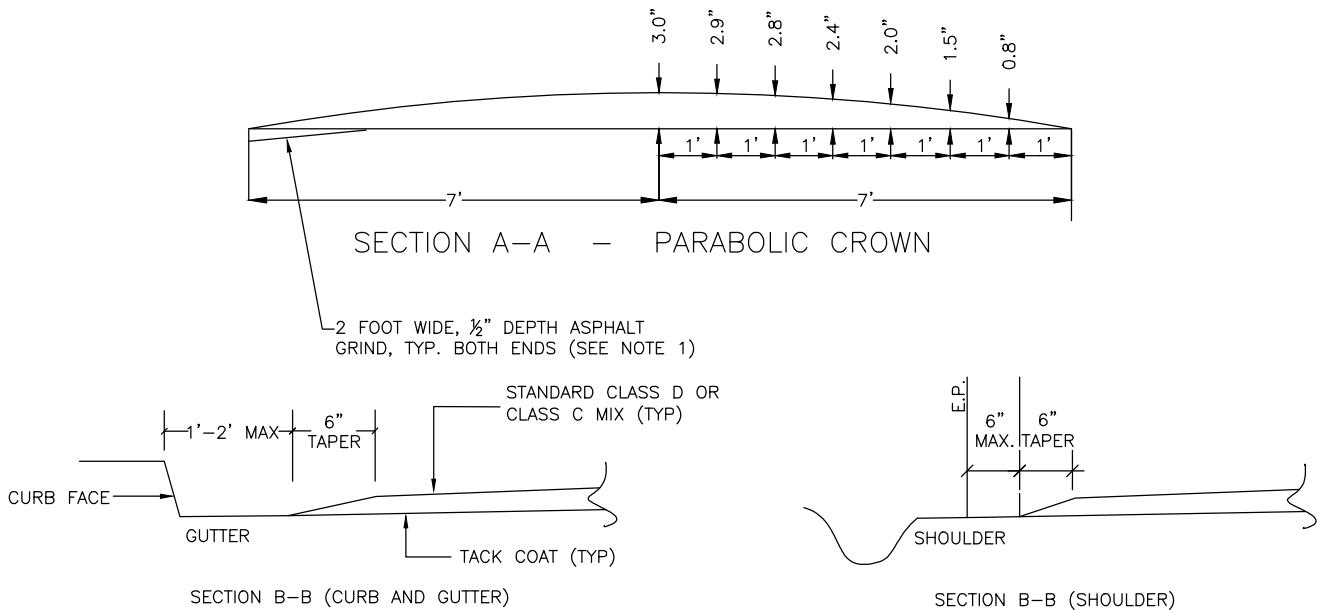
SCHOOL WALKING ROUTES

STD. DETAIL  
FW.A16.30-HH



SIGN DESIGNATION / SIZE		
W8-1	BUMP	30" x 30"
W8-1A	BUMP AHEAD	30" x 30"
W13-1(15)	15 MPH ADVISORY PLAQUE	18" x 18"

NOTES:  
1) ADVANCE SIGNS USED ONLY FOR FIRST IN SERIES  
2) WHEN 2 OR MORE BUMPS, REPLACE W8-1A WITH W8-1A(S) (BUMPS AHEAD)



NOTE:

- PRIOR TO SPEED HUMP CONSTRUCTION, THE ENGINEER MAY REQUIRE ASPHALT GRINDING IN ORDER TO PROVIDE A SMOOTH TRANSITION.
- SPEED BUMPS ARE NOT ALLOWED ON STREETS CLASSIFIED AS PRINCIPAL COLLECTORS AND ABOVE.
- THIS IS A GUIDELINE — THE ENGINEER SHALL CONSIDER STORMWATER AND ACCESSIBILITY REQUIREMENTS IN THEIR DESIGN.

REV: JUN 2024

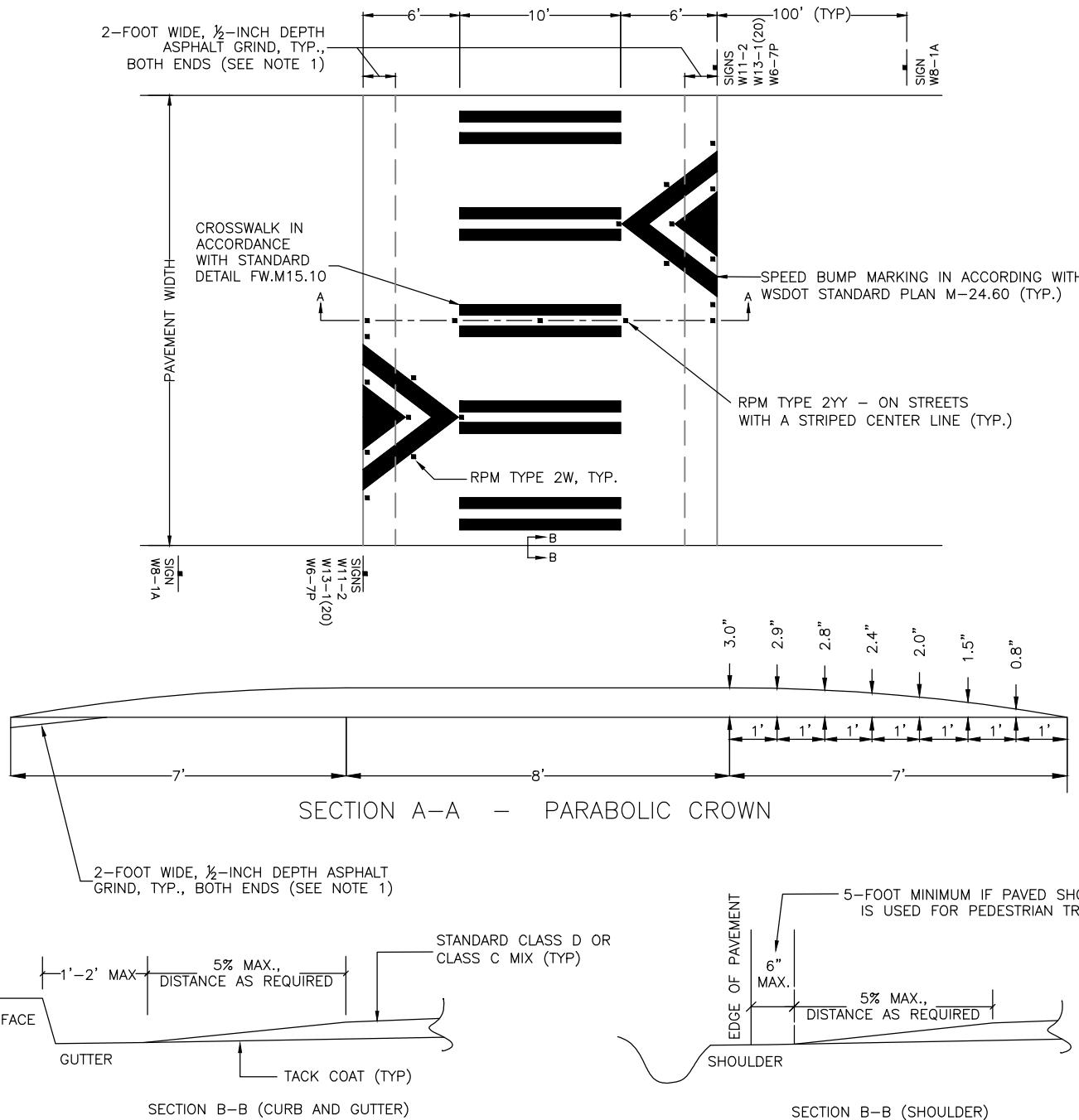


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SPEED HUMP

STD. DETAIL  
FW.A70.10-A



#### NOTES

- PRIOR TO SPEED HUMP CONSTRUCTION, THE ENGINEER MAY REQUIRE ASPHALT GRINDING IN ORDER TO PROVIDE A SMOOTH TRANSITION.
- RAISED CROSSWALKS ARE NOT ALLOWED ON STREETS CLASSIFIED AS PRINCIPAL COLLECTOR AND ABOVE.
- SEE STANDARD DETAIL FW.M20.30 FOR RPM TYPES.
- THIS IS A GUIDELINE - THE ENGINEER SHALL CONSIDER STORMWATER AND ACCESSIBILITY REQUIREMENTS IN THEIR DESIGN.
- SIGNS SHALL BE FLUORESCENT YELLOW-GREEN. PEDESTRIAN WARNING AND BUMP(S) AHEAD SIGNS SHALL BE 30"X30". 20-MPH ADVISORY PLAQUE SHALL BE 18"X18". DIAGONAL ARROW SIGN SHALL BE 24"X12".
- FOR SCHOOL CROSSINGS, USE S1-1 INSTEAD OF W11-2.
- USE THE ADVANCE SIGN ONLY FOR THE FIRST BUMP IN A SERIES OF BUMPS.
- WHEN MORE THAN ONE BUMP IS PRESENT, USE W8-1AS (BUMPS AHEAD) IN PLACE OF W8-1A.

REV: MAR 2025



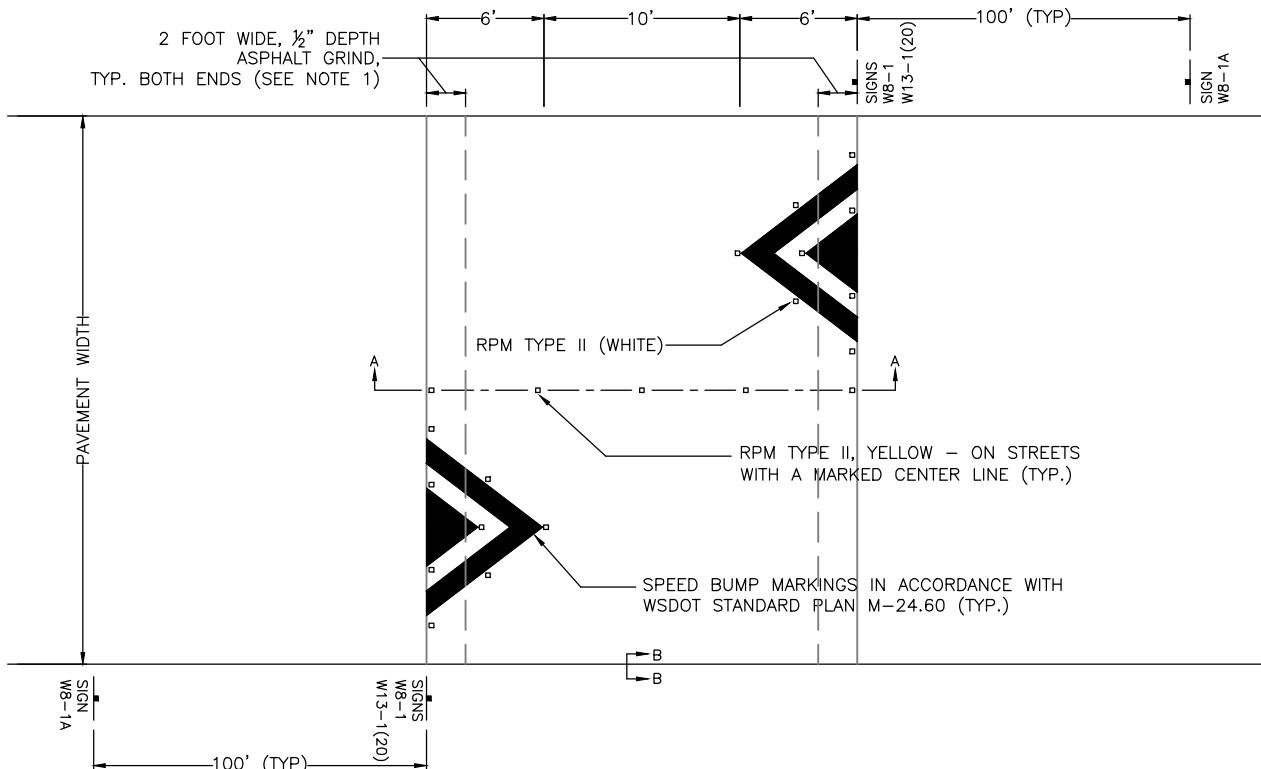
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Available at [www.federalway.org](http://www.federalway.org)

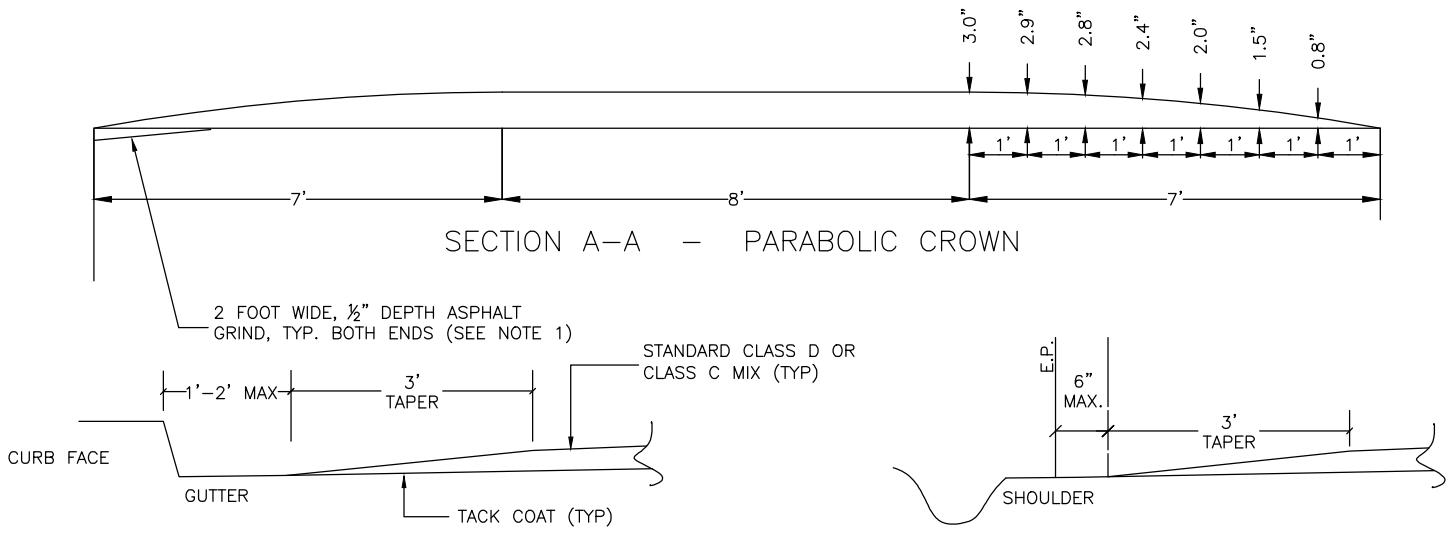
RAISED CROSSWALK

STD. DETAIL  
FW.A70.10-B



SIGN DESIGNATION / SIZE		
W8-1	BUMP	30" x 30"
W8-1A	BUMP AHEAD	30" x 30"
W13-1(20)	20 MPH ADVISORY PLAQUE	18" x 18"

NOTES:  
 1) ADVANCE SIGNS USED ONLY FOR FIRST IN SERIES  
 2) WHEN 2 OR MORE BUMPS, REPLACE W8-1A WITH W8-1A(S) (BUMPS AHEAD)

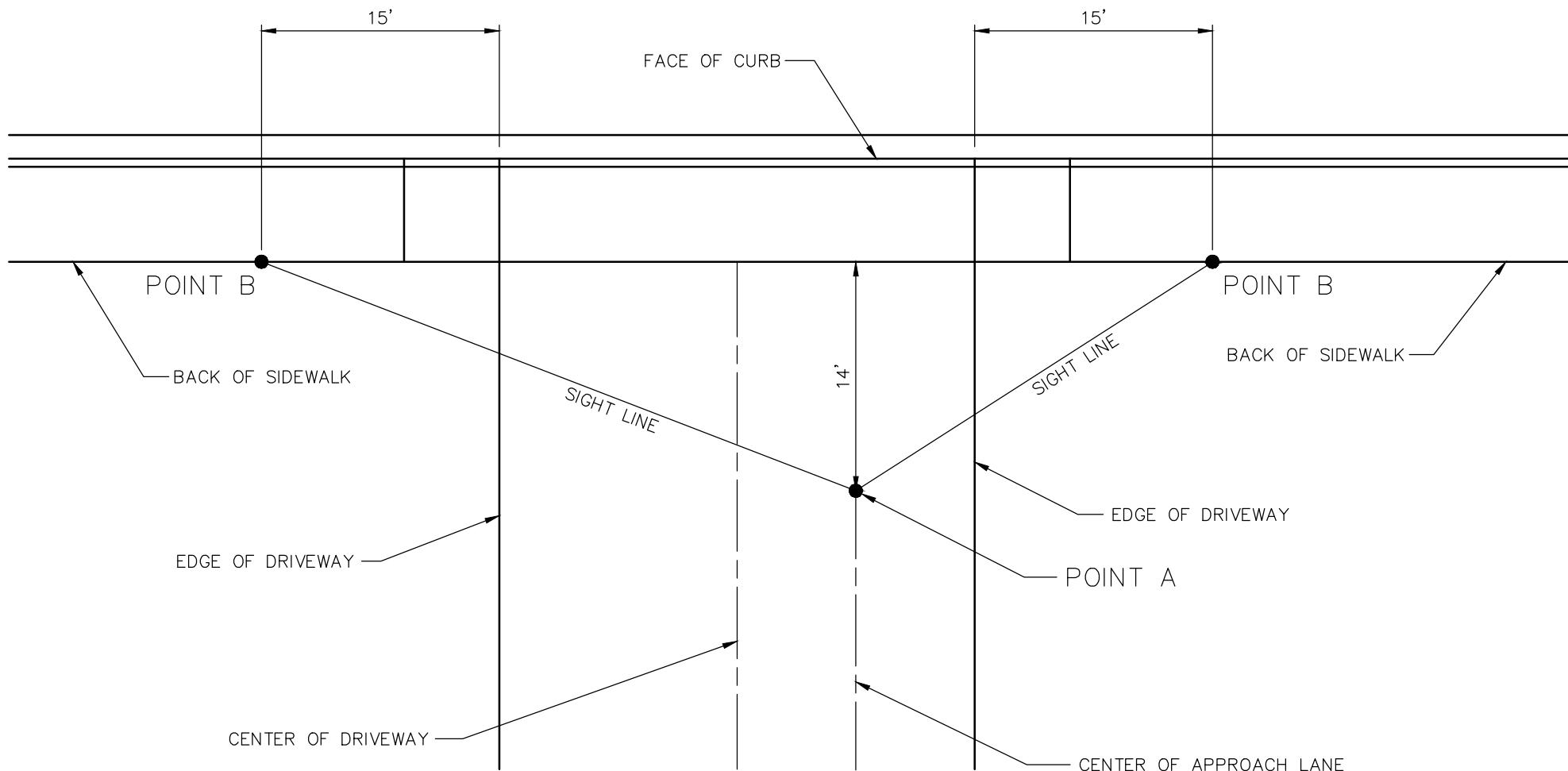


NOTE:

- PRIOR TO SPEED HUMP CONSTRUCTION, THE ENGINEER MAY REQUIRE ASPHALT GRINDING IN ORDER TO PROVIDE A SMOOTH TRANSITION.
- RAISED CROSSWALKS ARE NOT ALLOWED ON STREETS CLASSIFIED AS PRINCIPAL COLLECTOR AND ABOVE.
- THIS IS A GUIDELINE – THE ENGINEER SHALL CONSIDER STORMWATER AND ACCESSIBILITY REQUIREMENTS IN THEIR DESIGN.

REV: JUN 2024

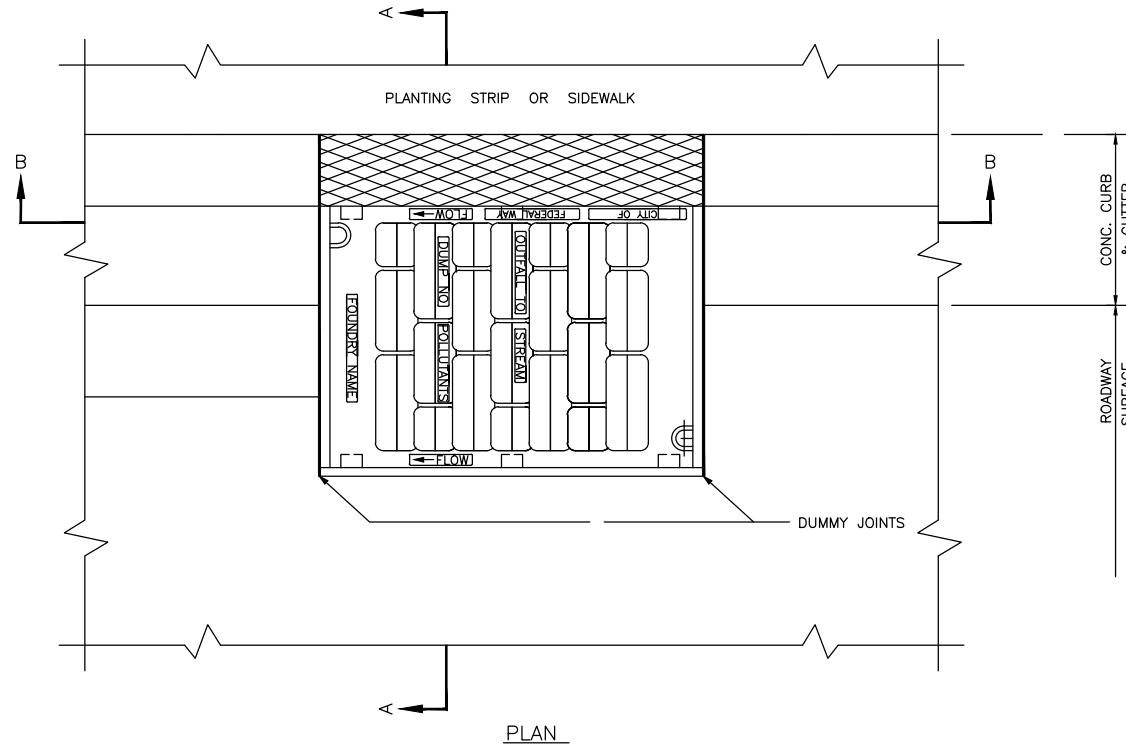




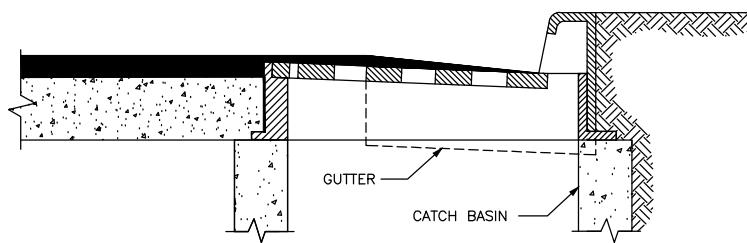
NOTES:

1. THE MINIMUM SIGHT DISTANCE SHOWN SHALL BE MAINTAINED AT ALL DRIVEWAYS, BUILDINGS OR GARAGE ENTRANCES WHERE STRUCTURES, WING WALLS, ETC. ARE LOCATED ADJACENT TO OR IN CLOSE PROXIMITY TO PEDESTRIAN WALKWAY.
2. PEDESTRIAN SIGHT DISTANCE SHALL BE DETERMINED AS FOLLOWS: THE DRIVER OF AN EXISTING VEHICLE SHALL BE ABLE TO VIEW A ONE-FOOT HIGH OBJECT 15 FEET AWAY FROM THE EDGES OF EXIT LANE, MEASURED AT THE BACK OF SIDEWALK, WHEN DRIVERS EYE IS 14 FEET BEHIND THE BACK OF SIDEWALK.

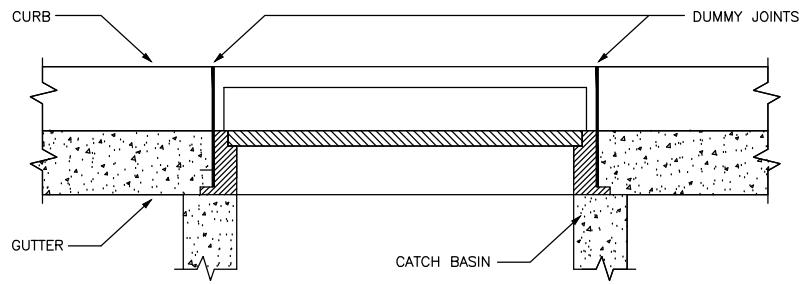
REV: JUN 2024



SECTION A-A



SECTION B-B



## NOTES:

1. SET TO GRADE AND CONSTRUCT ROAD AND GUTTER TO BE FLUSH WITH FRAME.

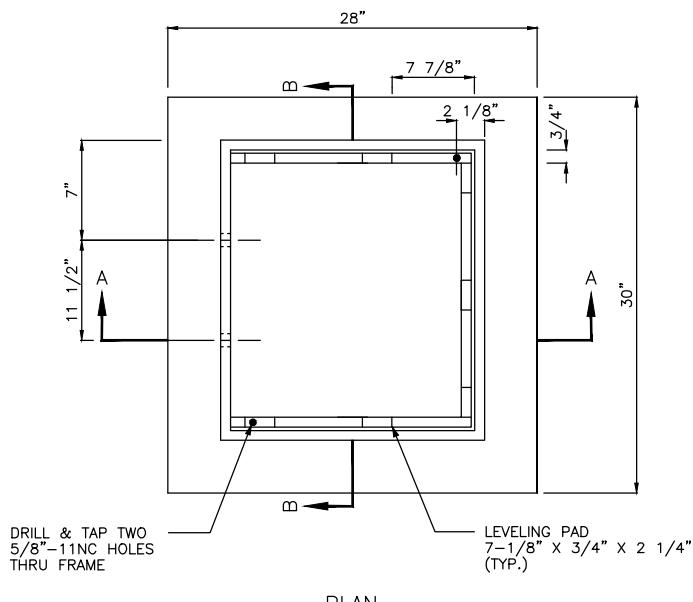
REV: JUN 2024



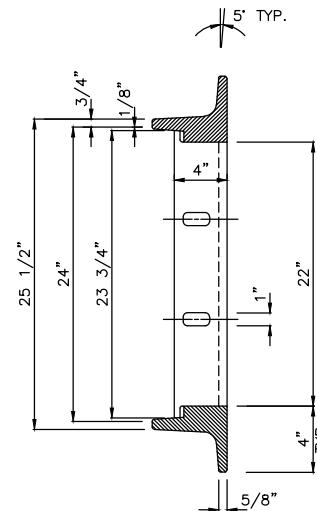
## PUBLIC WORKS

## THROUGH-CURB INLET FRAME AND GRATE IN VERTICAL CURB INSTALLATION

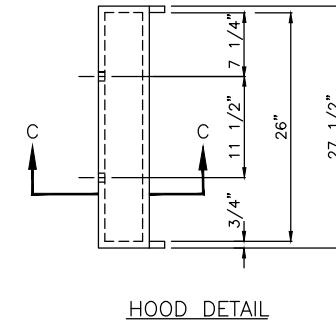
**STD. DETAIL**  
**FW.B25.20**



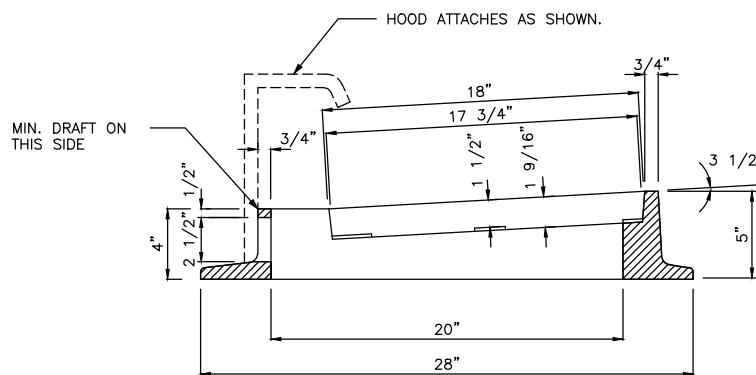
PLAN



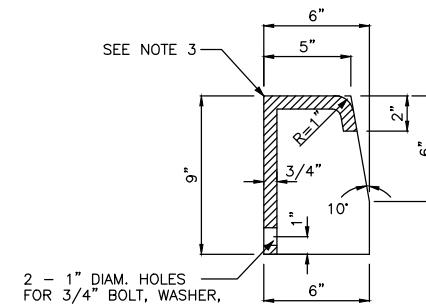
SECTION B-B



HOOD DETAIL



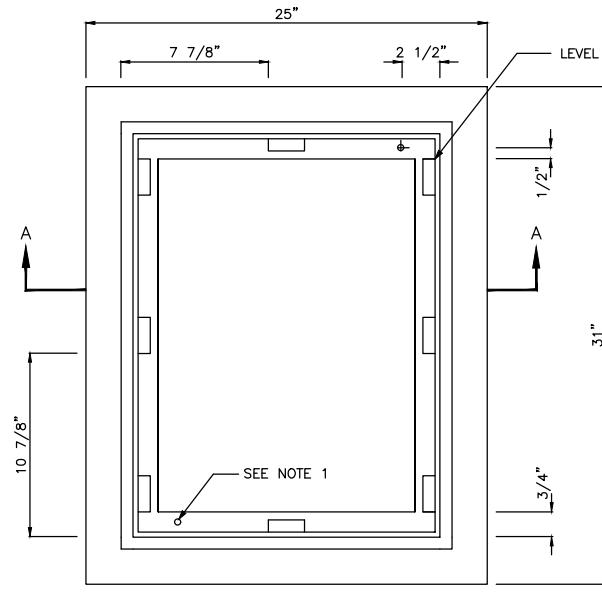
SECTION A-A



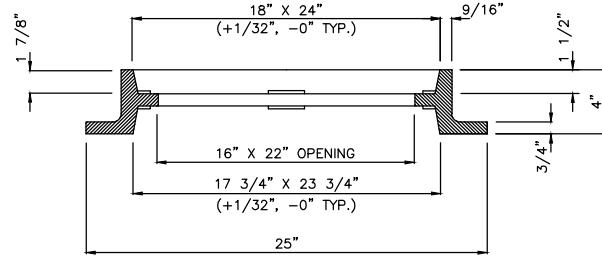
SECTION C-C

NOTES:

1. MATERIAL IS CAST IRON ASTM A48 CLASS 30.
2. SEE STANDARD DETAIL FW.B30.30 FOR VANCED GRATE.
3. PATTERN ON TOP SURFACE OF HOOD SHALL BE 3/16" NON-SKID DIAMOND.
4. BOLT, WASHER, AND NUT SHALL BE GALV. OR CORROSION RESISTANT.



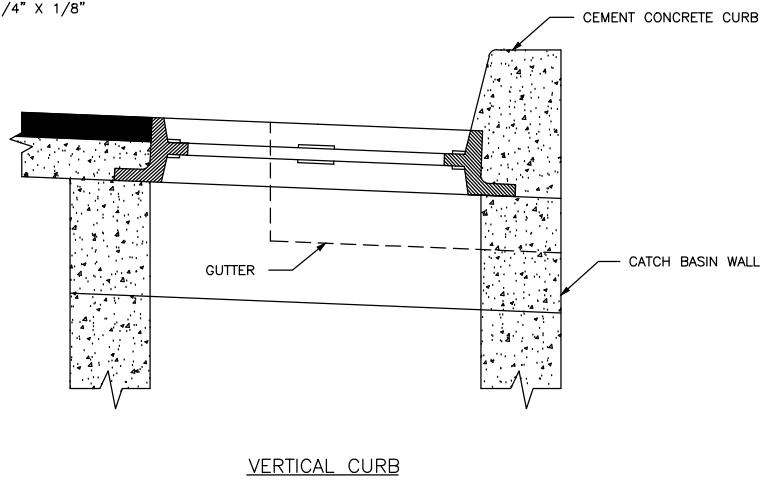
PLAN



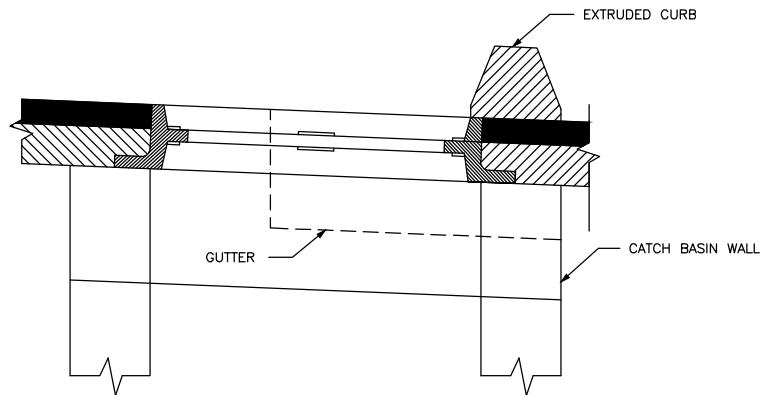
SECTION A-A

NOTES:

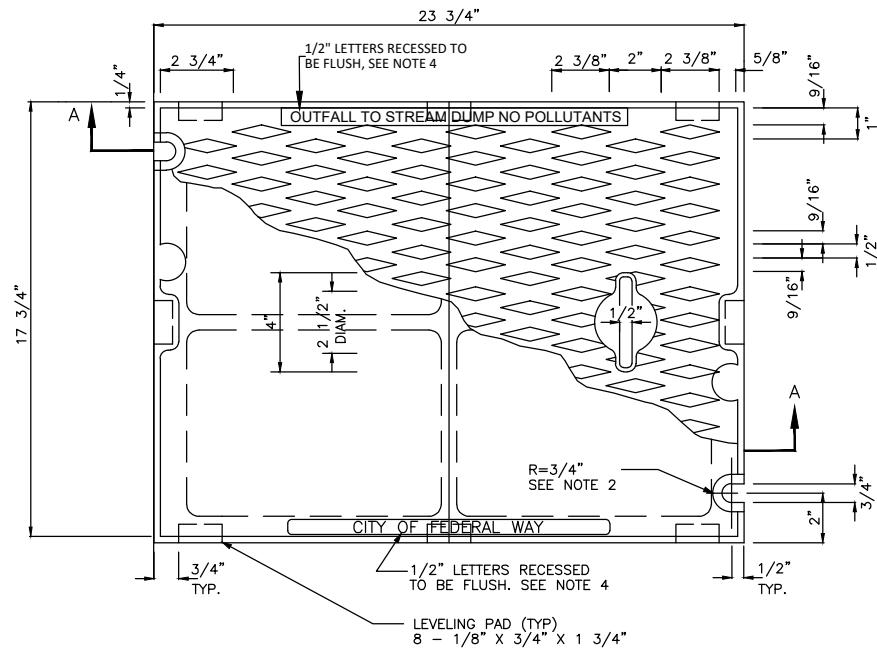
1. DRILL AND TAP FOR, AND PROVIDE, TWO LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS 2" LONG WHEN USED WITH SOLID COVER (STANDARD DETAIL FW.B30.20) OR WHEN SPECIFIED BY ENGINEER.
2. FRAME MATERIAL IS CAST IRON PER ASTM A48 CLASS 30.
3. SET FRAME TO GRADE AND CONSTRUCT ROAD AND GUTTER TO BE FLUSH WITH FRAME.



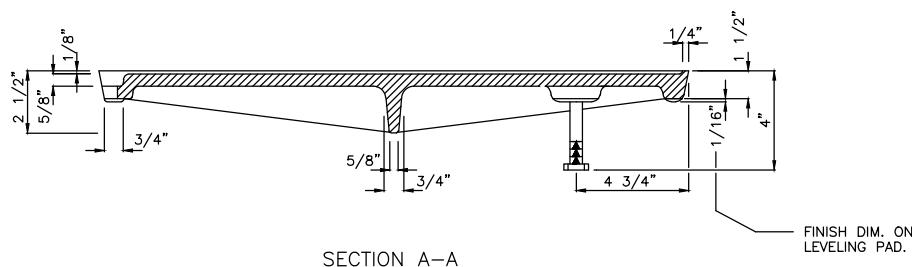
VERTICAL CURB



EXTRUDED CURB



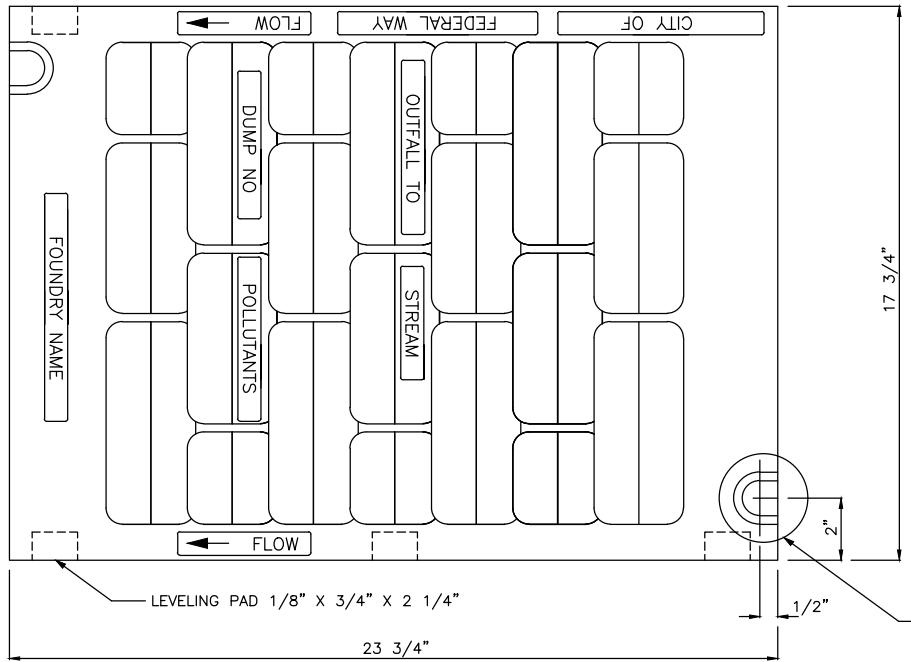
PLAN COVER



SECTION A-A

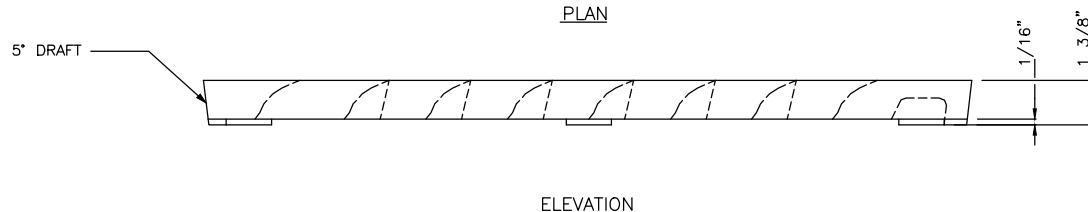
NOTES:

1. USE WITH FRAME DRILLED AND TAPPED FOR LOCKING BOLTS.
2. USE WITH TWO LOCKING BOLTS 5/8"-11 NC STAINLESS STEEL TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS, 2" LONG.
3. MATERIAL IS CAST IRON PER ASTM A48 CLASS 30.
4. THE WORDS "CITY OF FEDERAL WAY" TO BE OMITTED IF COVER IS ON A PRIVATE SYSTEM.

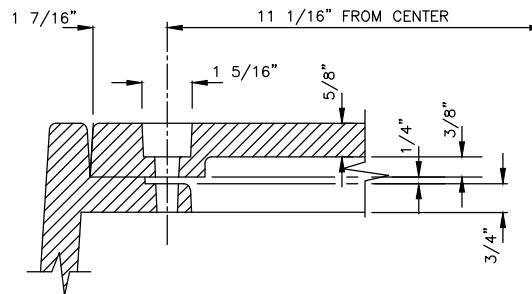
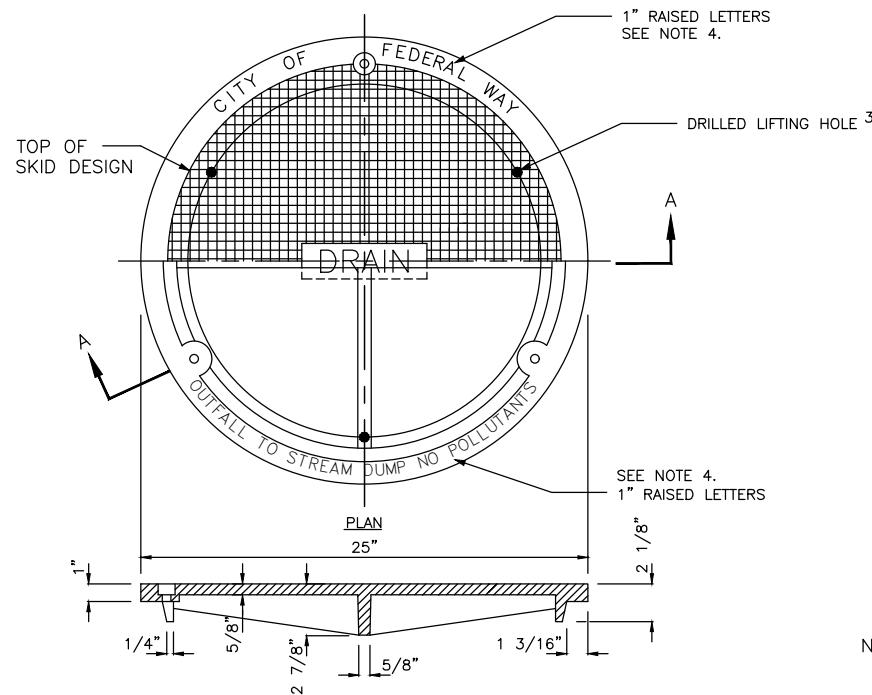


NOTES:

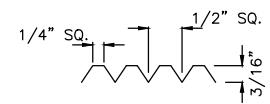
1. SELF-LOCK VANE GRATE MANUFACTURER SUBJECT TO APPROVAL BY ENGINEER.
2. USE WITH TWO LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS 2" LONG. NOTE SLOT DETAIL.
3. MATERIAL IS DUCTILE IRON ASTM A536 GRADE 80-55-06.
4. "OUTFALL TO STREAM DUMP NO POLLUTANTS" SHALL BE LOCATED ON BORDER AREA.
5. INSTALL BI-DIRECTIONAL VANE GRATES AT SAG LOCATIONS.
6. THE WORDS "CITY OF FEDERAL WAY" SHALL BE OMITTED IF GRATE IS ON A PRIVATE SYSTEM.



REV: JUN 2024



BOLT-DOWN DETAIL

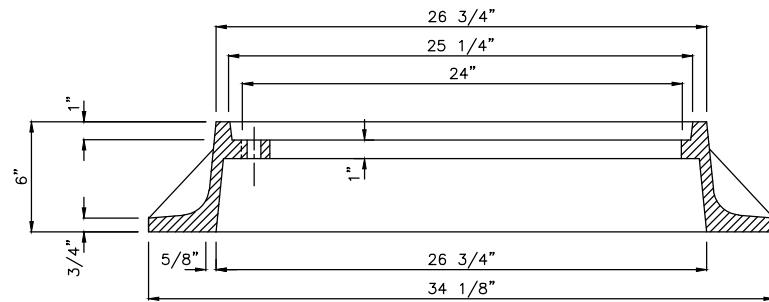
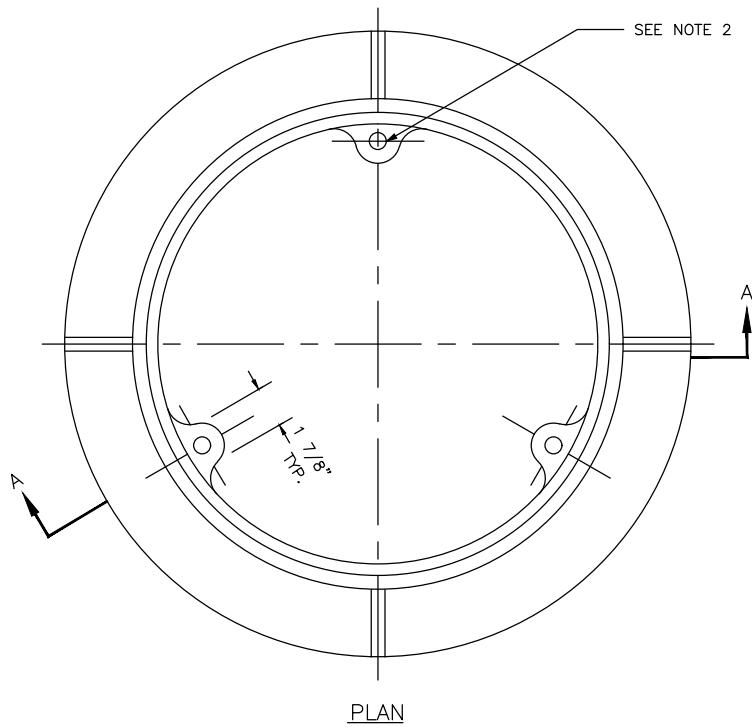


COVER SKID DESIGN DETAIL

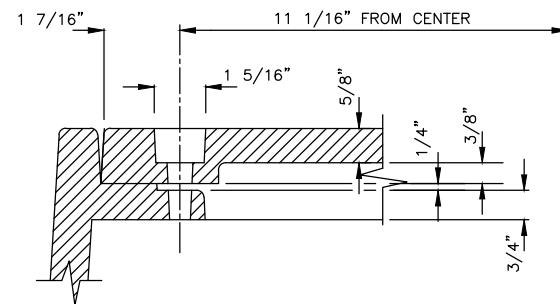
NOTES:

1. USE WITH THREE LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS 2" LONG. DRILL HOLES SPACED 120° AT 11 1/16" RADIUS.
2. MATERIAL IS DUCTILE IRON ASTM A536 GRADE 80-55-06
3. DRILL THREE 1 INCH HOLES SPACED AT 120° AND 9 1/2" RADIUS.
4. THE WORDS "CITY OF FEDERAL WAY" SHALL BE OMITTED IF COVER IS ON A PRIVATE SYSTEM.

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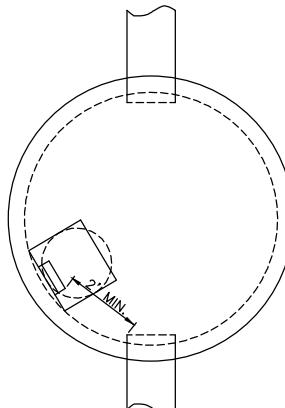
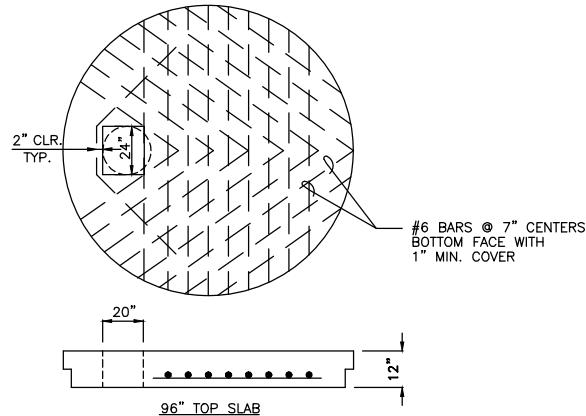
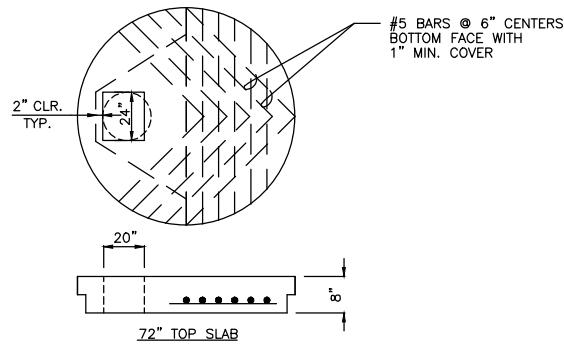
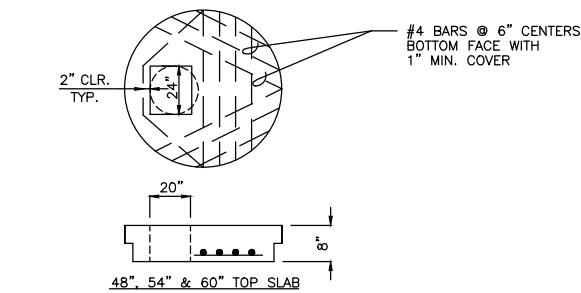
SECTION A-A



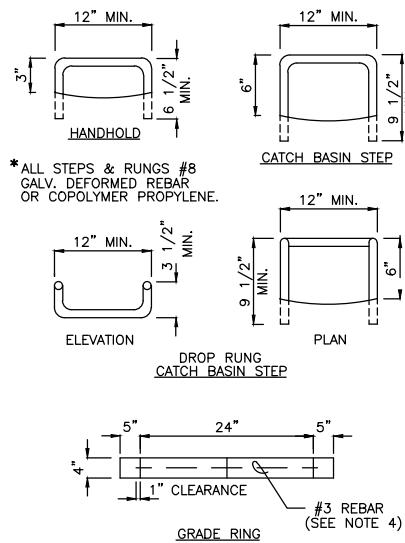
BOLT-DOWN DETAIL

NOTES:

1. MATERIAL IS CAST IRON ASTM A48 CLASS 30.
2. DRILL AND TAP THREE 5/8"-11 NC HOLES THROUGH FRAME AT 120° AND 11 1/16" RADIUS.

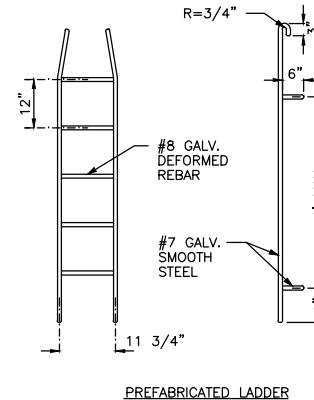


TYPICAL ORIENTATION  
FOR ACCESS AND STEPS

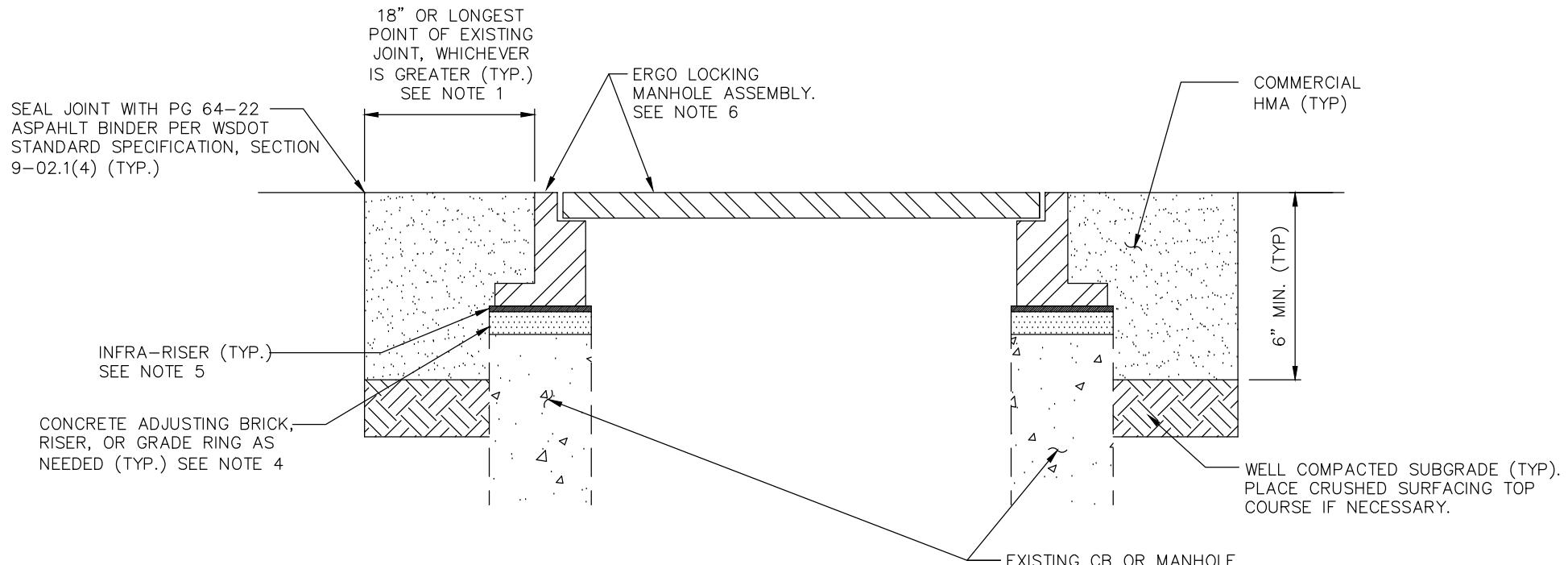


NOTES:

1. PROPRIETARY CATCH BASIN HANDHOLDS AND STEPS ARE ACCEPTABLE, PROVIDED THAT THEY CONFORM TO SEC. R, ASTM C478, AASHTO M-199 AND MEET ALL WISHA REQUIREMENTS.
2. CATCH BASIN STEP/HANDHOLD LEGS SHALL BE PARALLEL OR APPROXIMATELY RADIAL AT THE OPTION OF THE MANUFACTURER, EXCEPT THAT ALL STEPS IN ANY CATCH BASIN SHALL BE SIMILAR. PENETRATION OF OUTER WALL BY A LEG IS PROHIBITED.
3. HANDHOLDS AND STEPS SHALL HAVE "DROP" RUNGS AS SHOWN ON DETAIL OR PROTRUSIONS TO PREVENT SIDEWAYS SLIP.
4. SLAB OPENING MAY BE 24" X 20" OR 24" DIAM.
5. AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.12 SQUARE INCHES PER FOOT MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A497.
6. LADDERS OR STEPS SHALL EXTEND TO WITHIN 16" OF BOTTOM OF CATCH BASIN.
7. HANGING LADDERS SHALL BE PERMANENTLY FASTENED AT TOP BY HANGING ON STEP OR BY BOLTING OR EMBEDDING IN CONCRETE. EACH SHALL BE EMBEDDED AT BOTTOM IN BASE.
8. ADDITIONAL SAFETY FEATURES MAY BE REQUIRED IN VERY DEEP OR UNUSUAL STRUCTURES.



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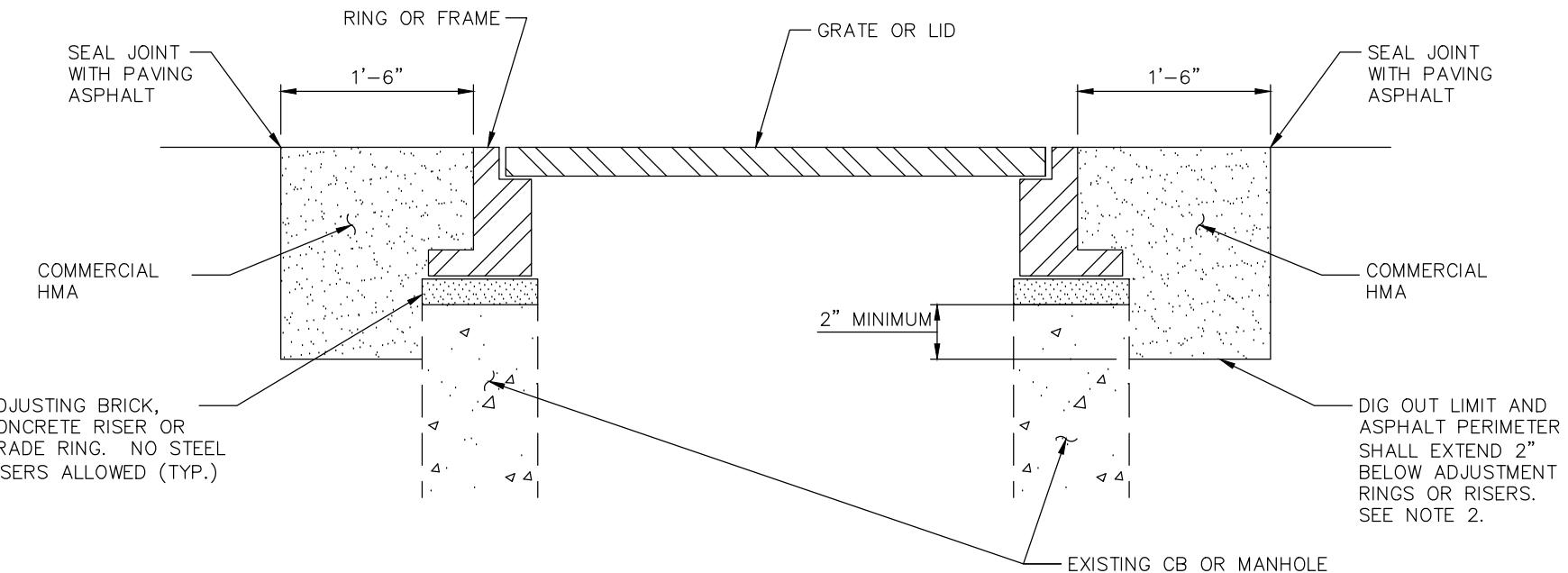
SECTION THROUGH STRUCTURE

NTS

NOTES:

1. PAVEMENT CUT SHALL BE CIRCULAR AND CENTERED ON THE CENTER OF THE MANHOLE OR CATCH BASIN LID. RECTANGULAR OR POLYGON CUTS NOT ALLOWED.
2. CONVERT ALL RECTANGULAR FRAMES AND LIDS TO ROUND, USING CONCRETE CONVERSION RISER IN ACCORDANCE WITH CITY OF FEDERAL WAY STANDARD DETAIL FW.B30.74.
3. RAISE OR LOWER STRUCTURE TO THE REQUIRED ELEVATION AND SLOPE USING ONLY INFRA-RISER AND/OR CONCRETE RINGS AND BRICKS AS NECESSARY. NO OTHER MATERIALS ARE ALLOWED. TO ACHIEVE WATER-TIGHT CONSTRUCTION, GROUT INSIDE AND OUTSIDE OF EACH JOINT USING A LAYER OF NON-SHRINK MORTAR NO MORE THAN 3/4" THICK, AND FINISHED SMOOTH.
4. (This note is partially obscured by the diagram)
5. ON ALL STRUCTURES WITHIN THE ROADWAY TRAVEL LANES, INSTALL INFRA-RISER MULTI-PURPOSE RUBBER COMPOSITE ADJUSTMENT RISER, MANUFACTURED BY EAST JORDAN IRON WORKS. INFRA-RISER SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. REMOVE EXISTING CONCRETE RISER IF NECESSARY TO MAKE ROOM FOR INFRA-RISER. STACKED INFRA-RISER SHALL NOT EXCEED 3" TOTAL HEIGHT. INFRA-RISER SHALL BE INSTALLED ON TOP OF ALL CONCRETE RISERS, DIRECTLY UNDER THE ERGO MANHOLE ASSEMBLY.
6. ON ALL STRUCTURES, INSTALL NEW EAST JORDAN IRON WORKS ERGO 4"x24" CAM LOCKING HINGED MANHOLE ASSEMBLY (PRODUCT NO. 00104028L03), PER MANUFACTURER'S RECOMMENDATIONS. SET TOP OF ASSEMBLY TO BE FLUSH WITH EXISTING ROAD AND/OR GUTTER SURFACE. LOCATE HINGE SO THAT IT'S NEAREST TO ONCOMING TRAFFIC.
7. HMA SHALL BE MECHANICALLY COMPAKTED IN 3" (MAX.) LIFTS.

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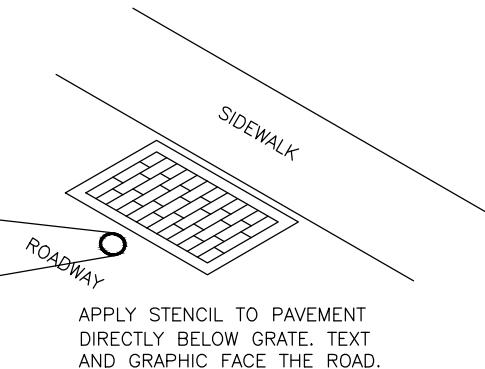


SECTION THROUGH STRUCTURE  
(NOT TO SCALE)

NOTES:

- 1) THE EXISTING STRUCTURE SHALL BE RAISED OR LOWERED TO THE REQUIRED ELEVATION USING CONCRETE BLOCKS, BRICK, AND/OR CONCRETE RINGS. EACH JOINT SHALL BE GROUTED USING A  $\frac{3}{4}$  INCH LAYER OF NON-SHRINK MORTAR, PLASTERED SMOOTH INSIDE AND OUT. COVERS SHALL BE SEATED ON A UNIFORM LAYER OF GROUT TO PREVENT ROCKING.
- 2) IF RISERS OR GRADE RINGS ARE LESS THAN 2" THICK, THEN THE DIG-OUT LIMITS (AND HMA DEPTH) SHALL BE EXTENDED TO 2" BELOW THE NEXT RING OR RISER THAT IS GREATER THAN 2" THICK.
- 3) HMA SHALL BE MECHANICALLY COMPACTED IN 3" MAXIMUM LIFTS.
- 4) SEE CITY OF FEDERAL WAY STANDARD DETAIL FW.A10.30-A FOR ADJUSTMENT OF SURVEY MONUMENT CASTINGS.

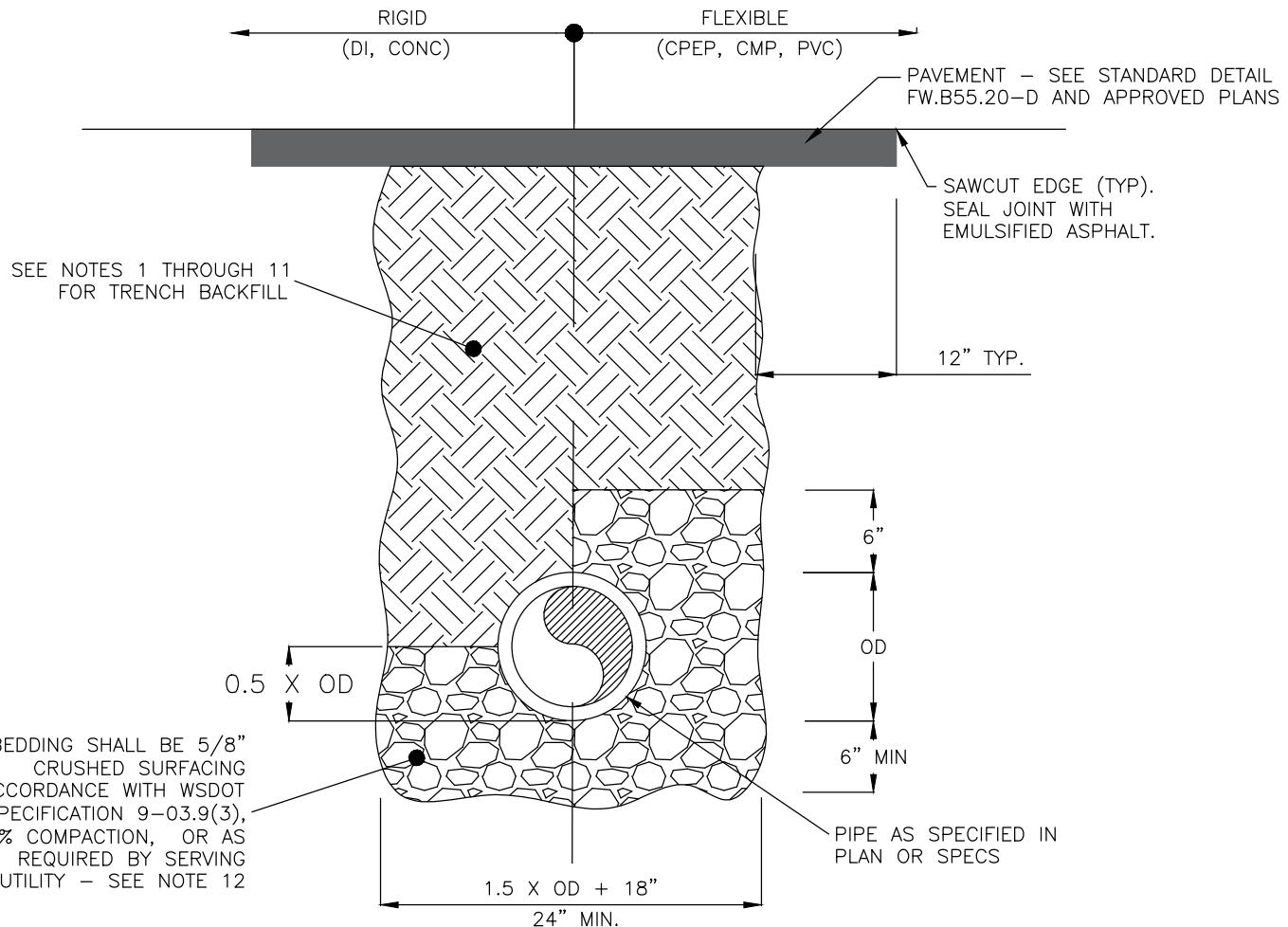
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NOTES:

1. PICK UP EQUIPMENT (STENCILS, PAINT, SAFETY GEAR) AT THE PUBLIC WORKS DEPARTMENT.
2. INSTALL STENCIL AT EACH STORM DRAIN.
  - A. SAFETY FIRST! SET OUT CONES OR ORANGE FLAGS.
  - B. LINE UP TOP EDGE OF STENCIL AGAINST THE BOTTOM EDGE OF STORM DRAIN.
  - C. ORIENT STENCIL SO THAT TEXT AND GRAPHIC FACE THE STREET.
  - D. TAPE CORNERS OF STENCIL.
  - E. SPRAY PAINT IN A LIGHT AND EVEN COAT.
  - F. REMOVE STENCIL IN ONE MOTION TO AVOID SMUDGING.
3. STORE STENCIL FLAT (AND NOT ROLLED) WHEN NOT IN USE.

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NOTES:

1. FOR TRENCHES GREATER THAN 18" WIDE IN PAVED AREAS, BACKFILL UTILITY TRENCHES WITHIN PAVED AREAS WITH 5/8" CRUSHED SURFACING PER WSDOT 9-03.9(3), COMPACT TO A MINIMUM OF 95%.
2. FOR TRENCHES LESS THAN 18" WIDE IN PAVED AREAS, BACKFILL UTILITY TRENCHES WITHIN PAVED AREAS WITH 100% CDF TO BE PER WSDOT SPECIFICATION 2-09.3(1) E BACKFILLING.
3. IN UNPAVED AREAS, TRENCHES MAY BE BACKFILLED WITH NATIVE MATERIAL AND COMPACTED TO 90% WITH THE CITY'S ENGINEER OR DESIGNEE PRIOR TO APPROVAL.
4. NATIVE MATERIAL MUST HAVE PRIOR APPROVAL FOR USE IN TRENCH BACKFILL.
5. NATIVE MATERIALS MUST BE CAPABLE OF ACHIEVING REQUIRED COMPACTION AS EVIDENCED FROM APPROVED SOILS ANALYSIS AND TESTING.
6. IF NATIVE MATERIALS ARE PROPOSED, THEY MUST MEET WSDOT SPECIFICATION 9-03.19. ONSITE PROCESSING OF THE NATIVE MATERIAL IS REQUIRED TO VERIFY SIZING AND THAT UNSUITABLES ARE REMOVED. THIS WORK SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER.
7. IF NATIVE MATERIAL IS USED FOR TRENCH BACKFILL, AN APPROVED GEOLOGICAL TECHNICIAN (THIRD PARTY INSPECTOR) SHALL BE ON-SITE DURING THE TRENCH BACKFILLING TO DOCUMENT AND CERTIFY MATERIAL AND COMPACTION MEETS SPECIFICATIONS. COSTS TO BE INCIDENTAL TO TRENCH BACKFILL OPERATION.
8. NO RECYCLED MATERIAL WILL BE ALLOWED IN THE TRENCH BACKFILL.
9. IF MATERIAL IS IMPORTED, PROVIDE DELIVERY TICKETS AND SOURCE FOR ALL MATERIALS.
10. TRENCH SHALL BE BACKFILLED AND COMPACTED IN 6-INCH LIFTS IN ACCORDANCE WITH WSDOT 2-09.3(1).
11. TEST METHOD FOR AGGREGATES SHALL MEET WSDOT SPECIFICATION 9-03.20.
12. FOR CITY STORM: PIPE BEDDING, PIPE ZONE BACKFILLS, AND TRENCH BACKFILL SHALL FOLLOW WSDOT SPECIFICATION 7-08.3(3).
13. THIS DETAIL IS NOT APPLICABLE TO CITY OF FEDERAL WAY CONDUIT BEDDING. COORDINATE WITH THE TRAFFIC DIVISION FOR CONDUIT INSTALLATION DETAILS.
14. THIS DETAIL IS NOT APPLICABLE TO WSDOT DESIGNATED ROUTES. FOR TRENCHES ON WSDOT DESIGNATED ROUTES, SEE STANDARD DETAIL FW.B55.20-E.

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CITY OF  
Federal Way

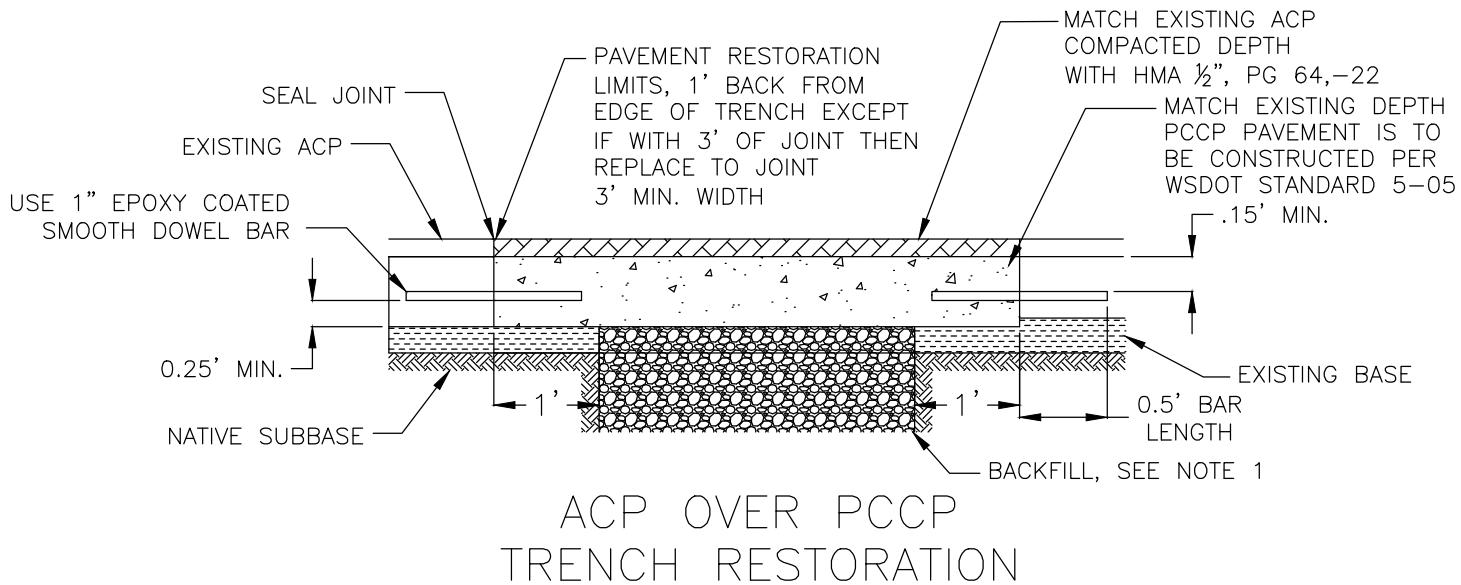
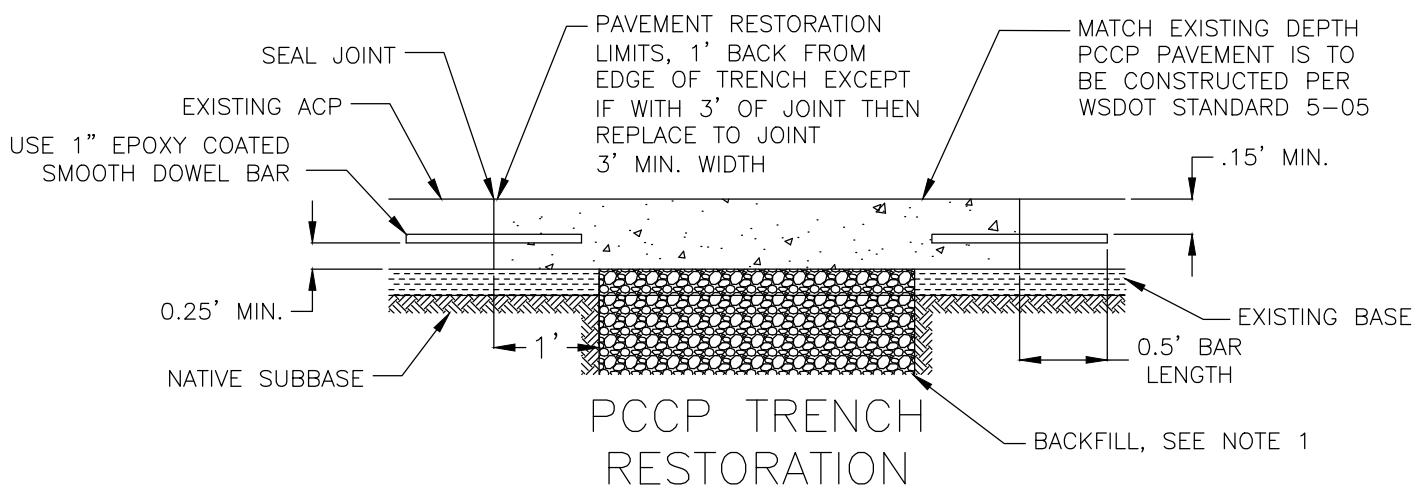
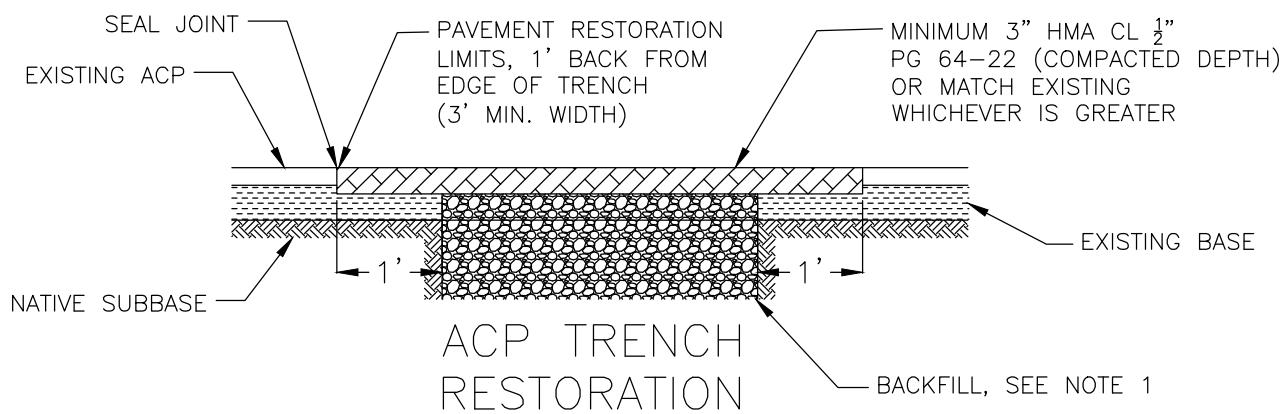
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PUBLIC  
WORKS

Official bid documents, plan holder's list, and addenda (if applicable)  
are available on [FWA.org](http://FWA.org)

PIPE BEDDING AND BACKFILL

STD. DETAIL  
FW.B55.20-A



NOTES:

- 1) BACKFILL SHALL BE IN ACCORDANCE WITH STANDARD DETAIL FW.B55.20-A.
- 2) THIS DETAIL IS APPLICABLE TO TRANSVERSE AND LONGITUDINAL TRENCHES.
- 3) THIS DETAIL DOES NOT APPLY TO WSDOT DESIGNATED STATE ROUTES. FOR TRENCHES ON WSDOT DESIGNATED STATE ROUTES, SEE STANDARD DETAIL FW.B55.20-E.

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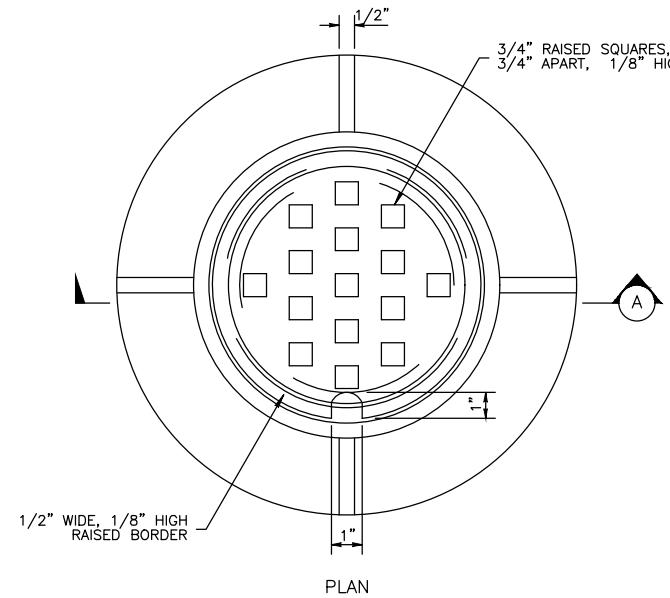
CITY OF  
Federal Way

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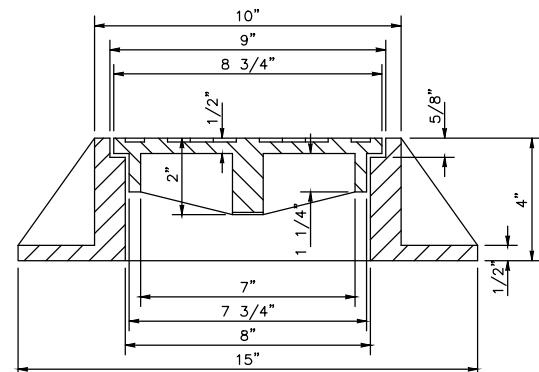
TRENCH RESTORATION

STD. DETAIL  
FW.B55.20-D

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are available on BiddingOnline.com

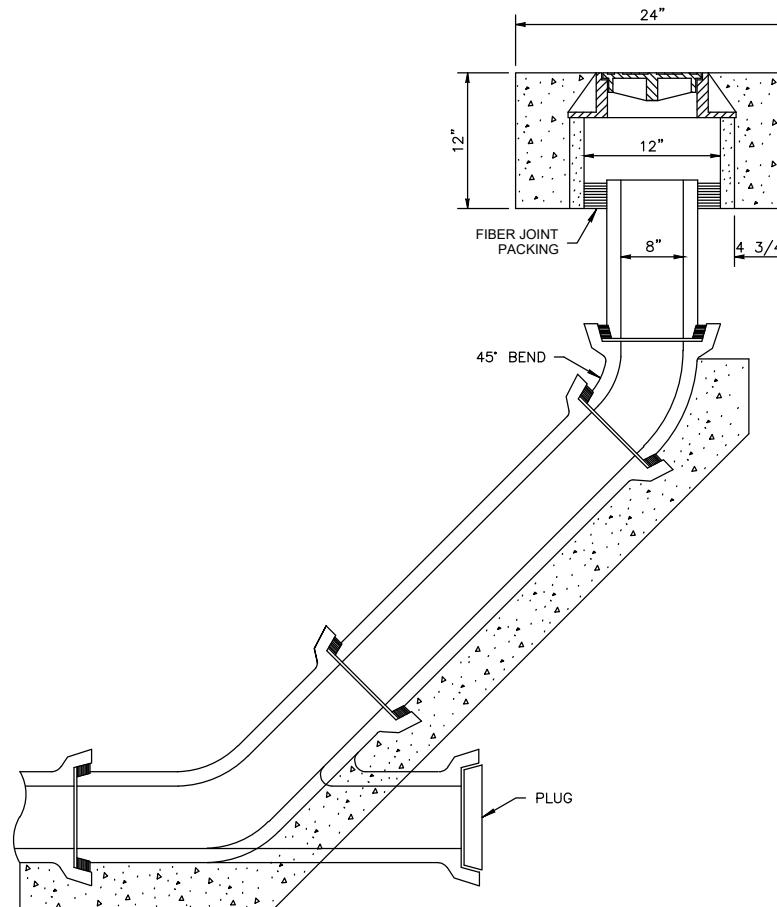


## PLAN



SECTION A

## CAST IRON RING AND COVER



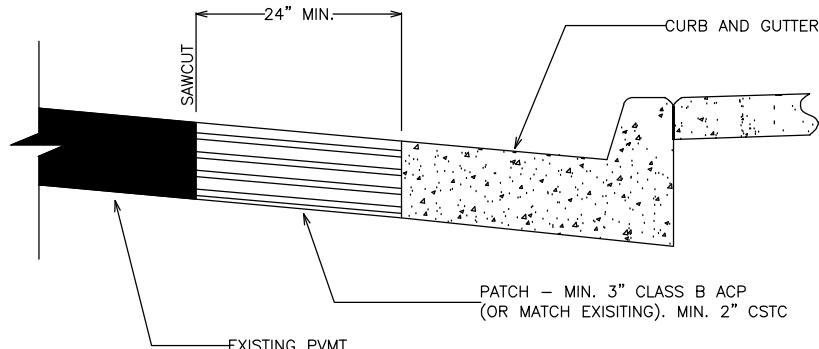
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## PUBLIC WORKS

## CLEANOUT

**STD. DETAIL**  
**FW.B85.40**

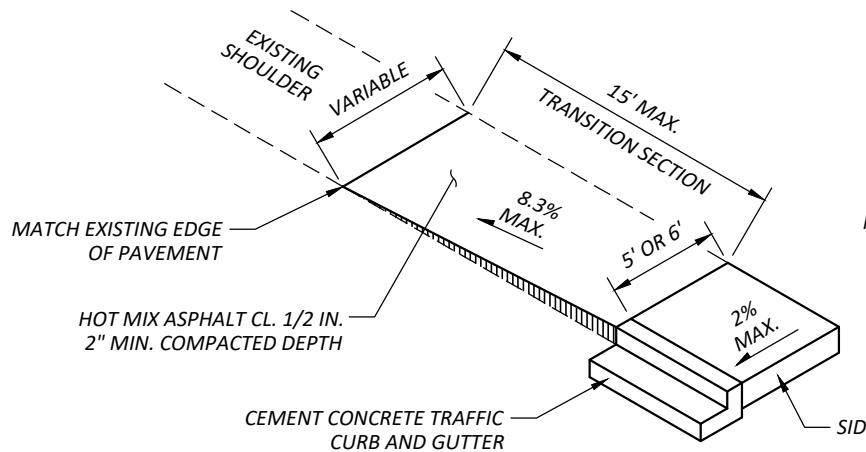


CEMENT CONCRETE CURB & GUTTER REPLACEMENT<sup>1</sup>

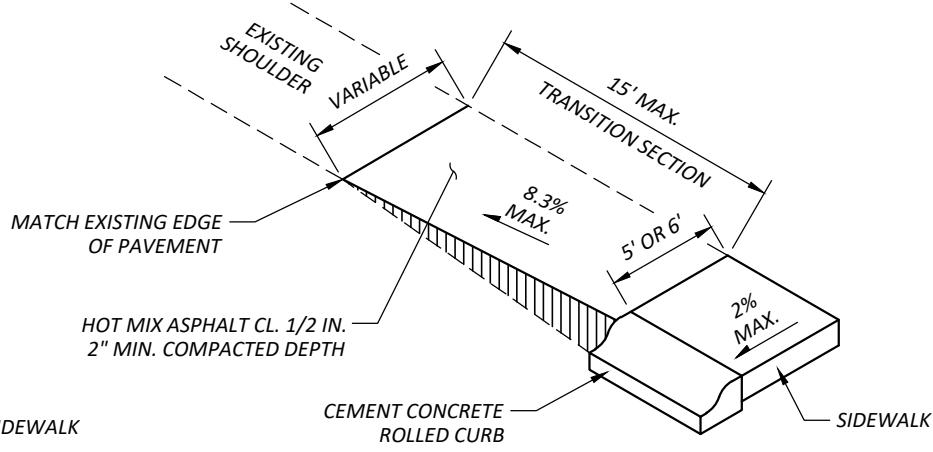
NOTES:

1. EXISTING CURB REPLACEMENT WILL REQUIRE REMOVAL OF ASPHALT A MINIMUM OF 24" FROM FACE OF GUTTER.

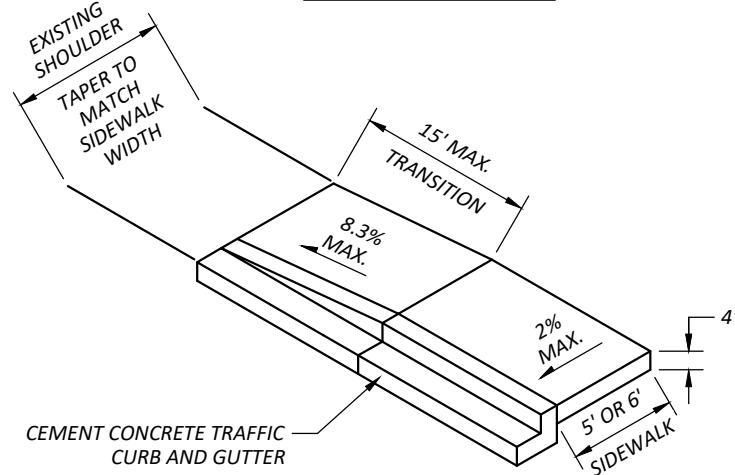
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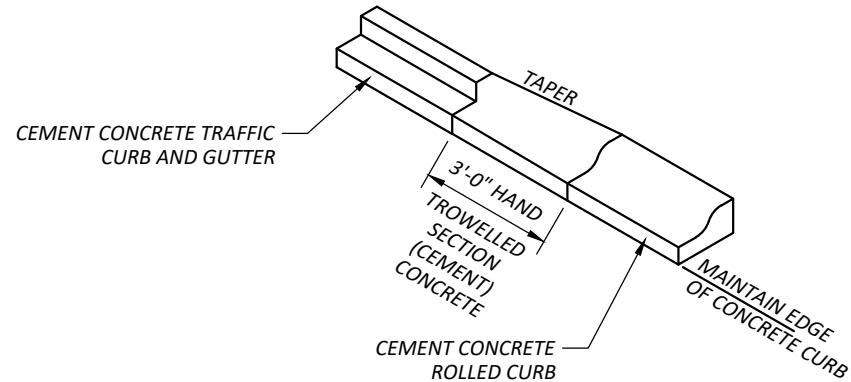
**A. CEMENT CONCRETE TRAFFIC CURB AND GUTTER,  
SIDEWALK TO ASPHALT CONCRETE EDGE WITH  
GRAVEL SHOULDER**



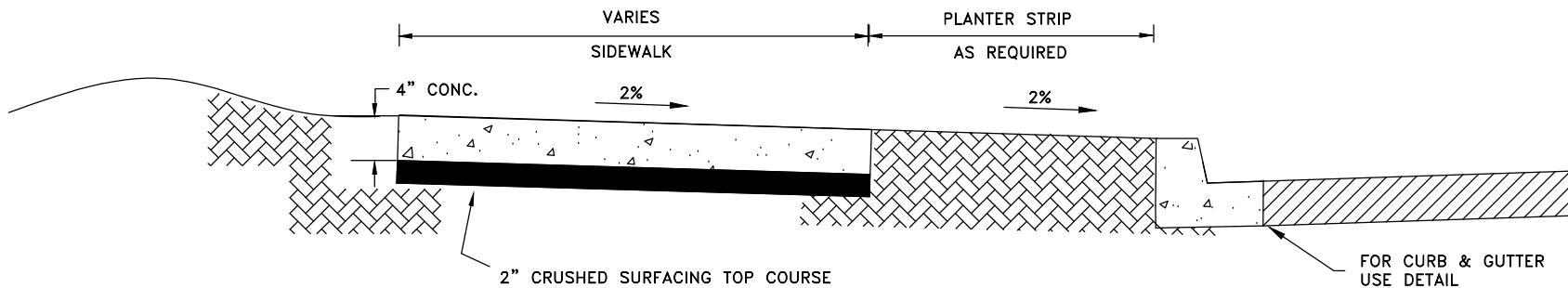
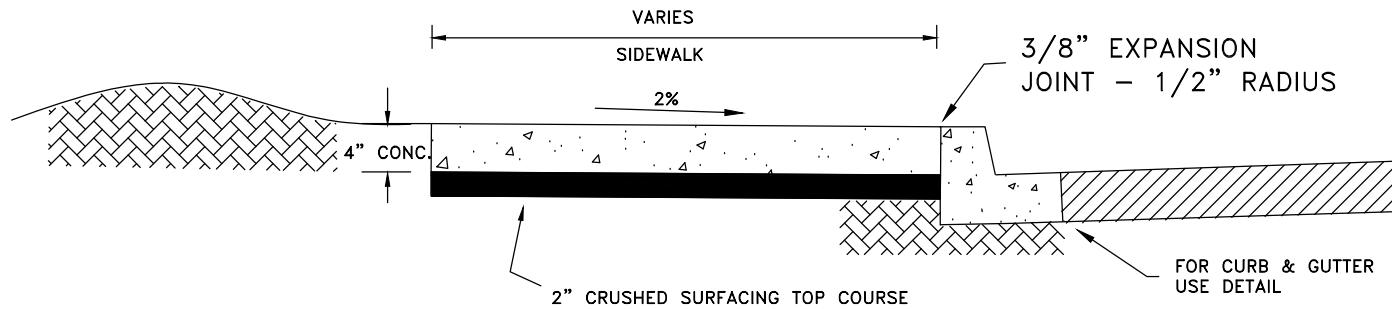
**B. CEMENT CONCRETE ROLLED CURB,  
SIDEWALK TO ASPHALT CONCRETE EDGE  
WITH GRAVEL SHOULDER**



**C. CEMENT CONCRETE TRAFFIC CURB AND GUTTER,  
SIDEWALK TO ASPHALT CONCRETE EDGE  
WITH GRAVEL SHOULDER**



**D. CEMENT CONCRETE TRAFFIC CURB AND GUTTER  
TO CEMENT CONCRETE ROLLED CURB TRANSITION**



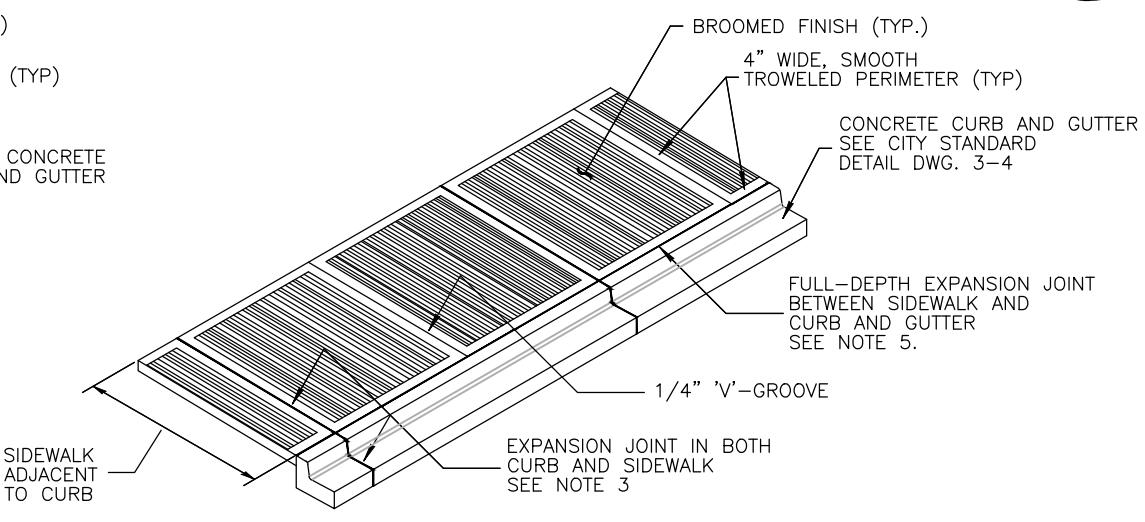
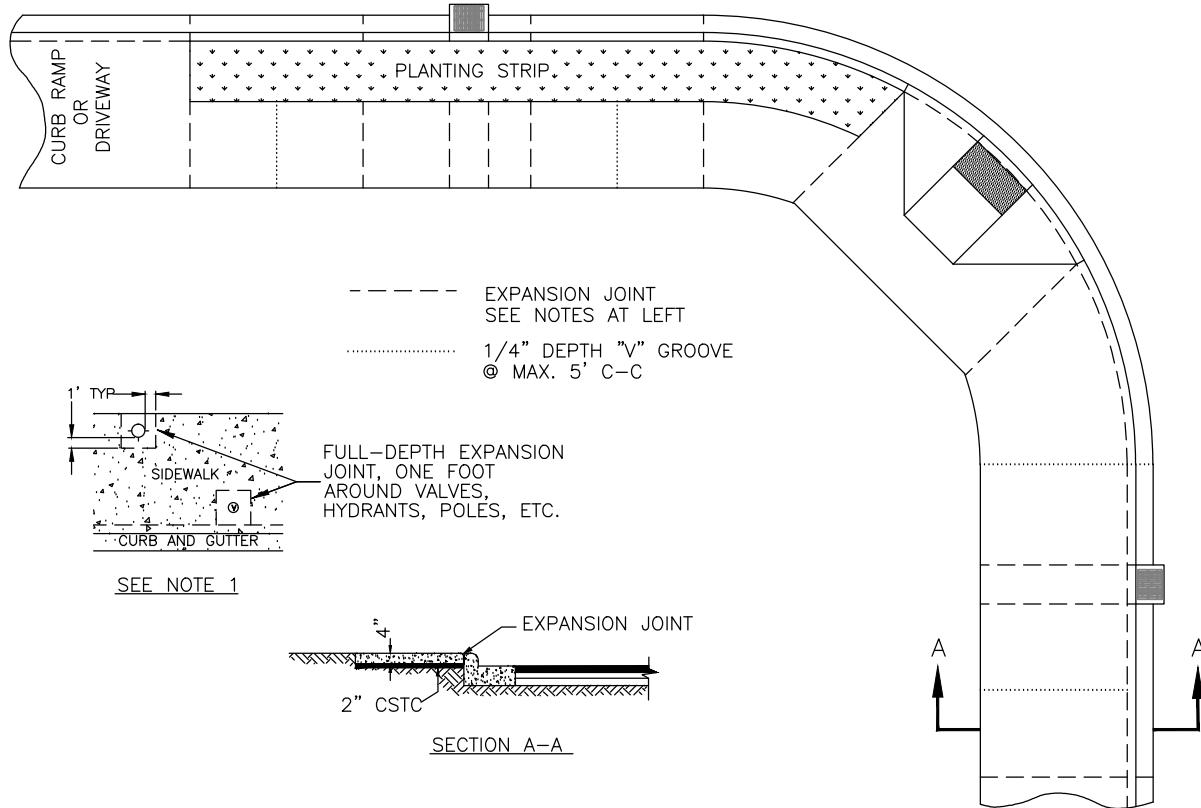
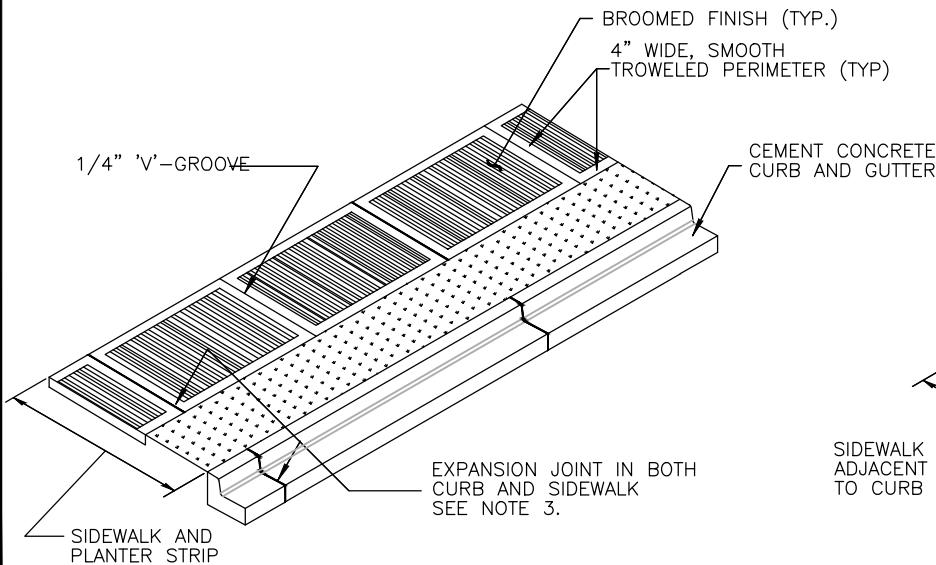
NOTES:

1. FOR JOINTS AND SCORING, SEE FEDERAL WAY STANDARD DETAIL FW.F30.20 FOR SIDEWALK SPACING, EXPANSION JOINTS, AND SCORE MARKS.
2. SEE WSDOT STANDARD DRAWING FOR MINIMUM DEPTH OF CONCRETE THROUGH DRIVEWAY SECTIONS.
3. WHEN CHECKED WITH A 10 FOOT STRAIGHTEDGE, GRADE SHALL NOT DEVIATE MORE THAN 1/8 INCH AND ALIGNMENT SHALL NOT VARY MORE THAN 1/4 INCH.
4. CONCRETE SHALL BE CLASS 5000, WSDOT STANDARD SPECIFICATION, SECTION 8-14.

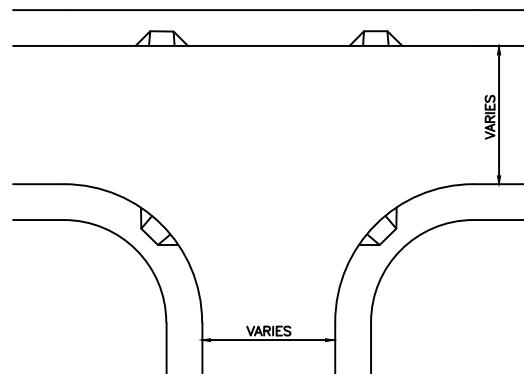
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NOTES:

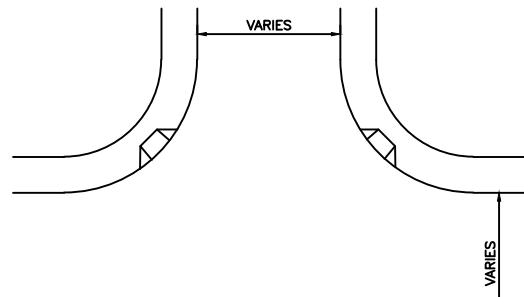
1. AN EXPANSION JOINT CONSISTING OF 3/8" PRE-MOLDED JOINT MATERIAL SHALL BE PLACED FULL DEPTH AROUND HYDRANTS, POLES, JUNCTION BOX, POSTS, AND UTILITY CASTINGS. SEE DETAIL AT RIGHT.
2. AN EXPANSION JOINT CONSISTING OF 3/8" PRE-MOLDED JOINT MATERIAL SHALL BE PLACED IN THE UPPER 2 INCHES OF CURBS AND SIDEWALKS AT 10 FOOT INTERVALS AND AT SIDES OF DRAINAGE INLETS. (JOINT MATERIAL OF 2 1/2" DEPTH MAY BE USED IN LIEU OF 2" DEPTH).
3. EXPANSION JOINTS IN SIDEWALK SHALL BE LOCATED SO AS TO MATCH THE JOINTS IN THE CURB AND GUTTER, WHETHER THE SIDEWALK IS ADJACENT TO THE CURB OR SEPARATED BY A PLANTER STRIP.
4. TOOL MARKS, CONSISTING OF 1/4-INCH 'V'-GROOVES SHALL BE MADE IN THE SIDEWALK AT 5-FOOT INTERVALS, INTERMEDIATE TO THE EXPANSION JOINTS.
5. AN EXPANSION JOINT CONSISTING OF 3/8" PRE-MOLDED JOINT MATERIAL SHALL BE PLACED FULL-DEPTH BETWEEN THE CURB AND ADJACENT SIDEWALK.
6. EXPANSION JOINT MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ASTM D1751 (AASHTO M 213).
7. MONOLITHIC POURS OF CURB AND SIDEWALK ARE NOT ALLOWED.
8. ALL UTILITY APPURTENANCES WITHIN THE SIDEWALK SHALL HAVE SLIP RESISTANT LIDS.



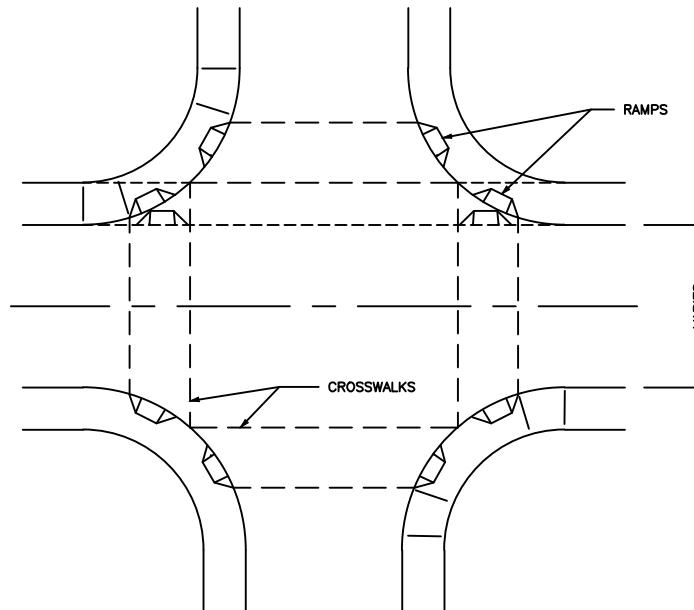
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ACCEPTABLE  
RAMP LOCATIONS  
FOR RETROFIT OR ALTERATION



FOR ALTERATION  
RETROFIT OR REBUILD

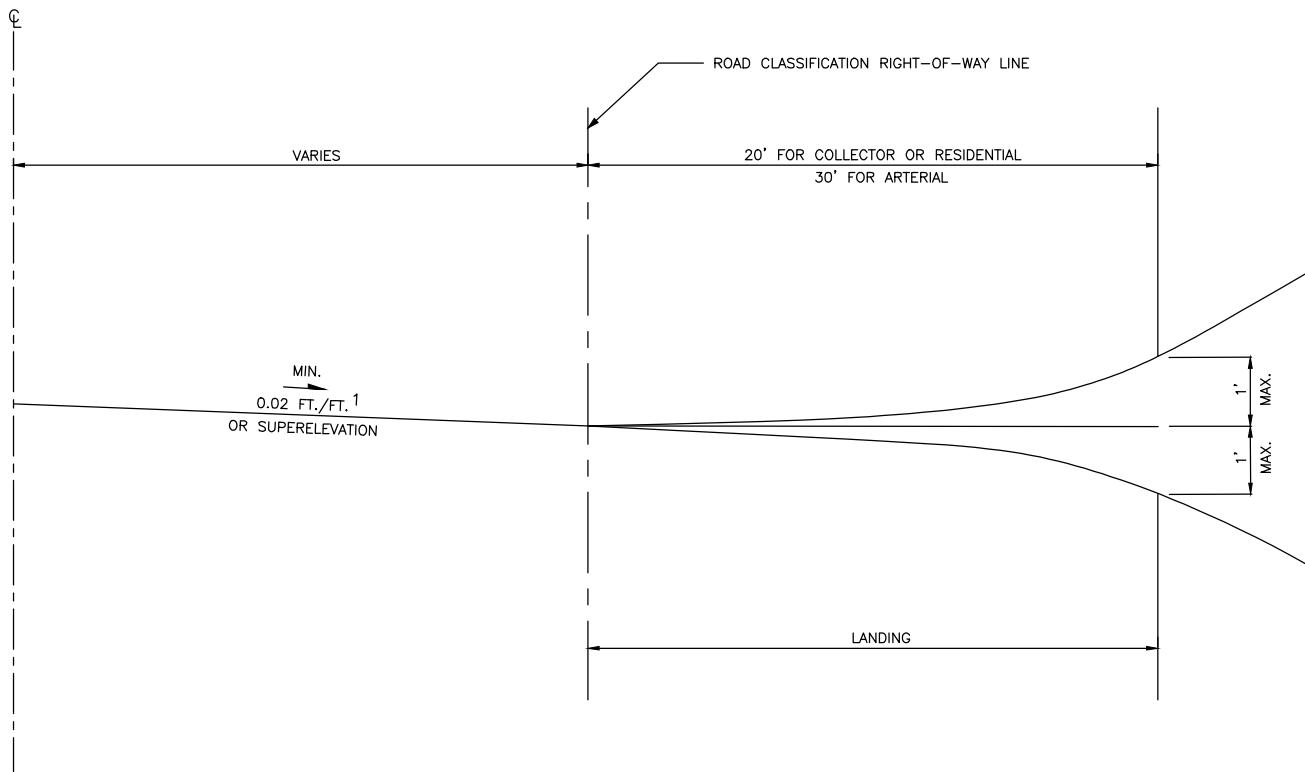


RAMP LOCATIONS  
FOR NEW CONSTRUCTION  
OR STANDARD RECONSTRUCTION

NOTES:

1. CATCH BASIN AND INLETS SHALL BE OUTSIDE THE CURB RAMP (24" MIN. CLEARANCE FROM RAMP).
2. CARE SHALL BE TAKEN TO KEEP THE RAMP FROM CONFLICTING WITH HYDRANTS, POLES, INLETS, AND OTHER UTILITIES.
3. CONSTRUCT RAMP IN ACCORDANCE WITH WSDOT STANDARD PLANS F-40.12-03, F-40.14-03, F-40.15-04, F-40.16-05 AND F-45.10-03
4. CROSSWALKS ARE NOT ALWAYS MARKED.
5. WHEN RAMPS ARE CONSTRUCTED ON ONE SIDE OF STREET, RAMPS SHALL BE CONSTRUCTED AT CORRESPONDING LOCATIONS ON OPPOSITE SIDE OF STREET.

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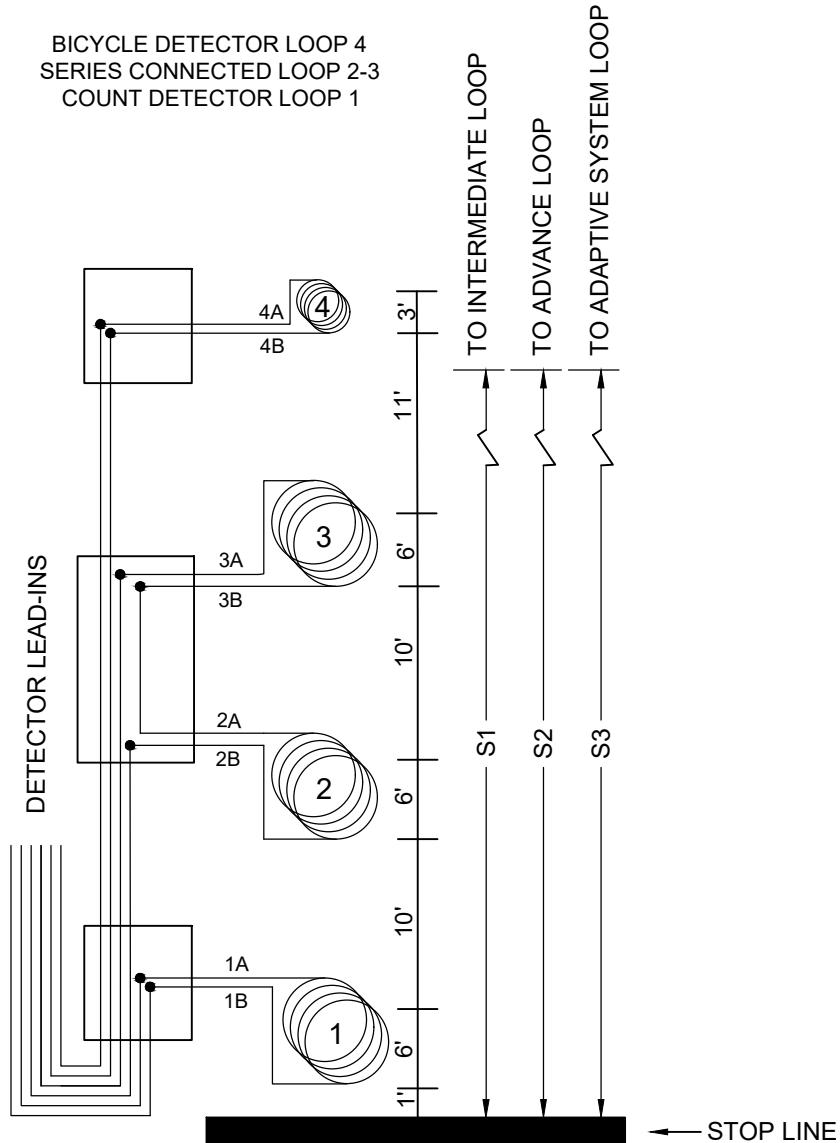


NOTES:

1. SEE SEC. 4.6 FOR LANDING REQUIREMENTS.

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BICYCLE DETECTOR LOOP 4  
SERIES CONNECTED LOOP 2-3  
COUNT DETECTOR LOOP 1



POSTED SPEED (MPH)	* S1 (FT)	* S2 (FT)	** S3 (FT)
25	--	105	260
30	--	140	310
35	--	185	360
40	115	230	410
45	155	285	465
50	195	340	515

\* ADVANCE LOOPS ARE NOT REQUIRED FOR TURNING LANES AND NON-COORDINATED THROUGH LANES

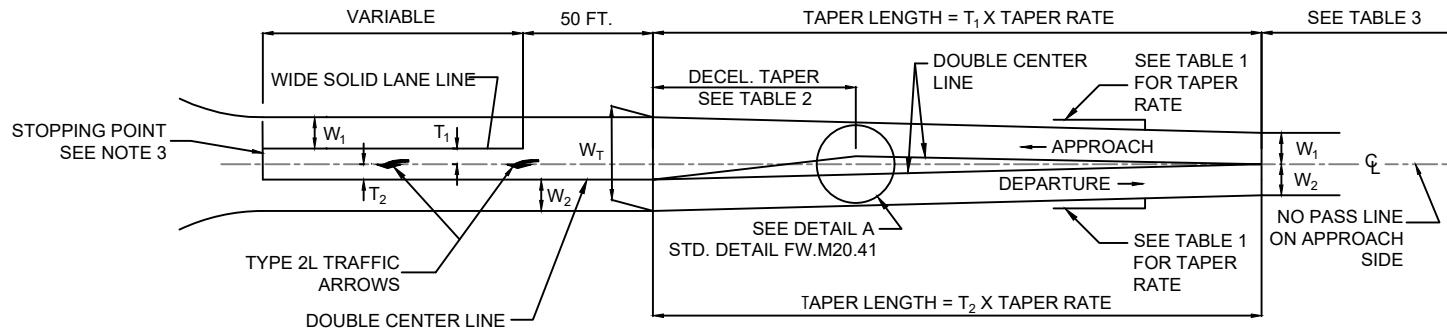
\*\* S3 IS USED ON COORDINATED LANES FOR ADAPTIVE SYSTEM DETECTION. FOR TURN LANES, S3 IS AT THE BEGINNING OF TURN LANE.

#### NOTES

1. USE XYZ LOOP NUMBERING SCHEMATIC, WHERE:  
X IS THE PHASE #  
Y IS LANE # FROM INSIDE  
Z IS LOOP # FROM STOP LINE
2. USE 3-FOOT LOOP FOR BIKE LANES, LOCATED AT 50 FEET FROM STOP LINE
3. PHASE 2 IS ALWAYS NORTHBOUND THROUGH DIRECTION
4. ALL LOOPS SHALL BE CIRCULAR

(NOT TO SCALE)

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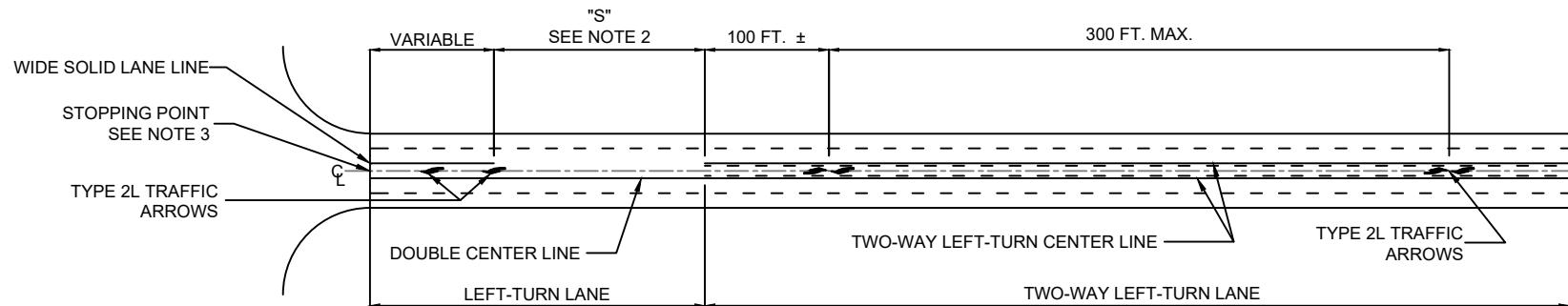
## LEFT-TURN LANE

WHERE:

$W_1$  = APPROACHING THROUGH LANE  
 $W_2$  = DEPARTING LANE  
 $T_1$  = WIDTH OF LEFT TURN LANE  
 ON APPROACH SIDE OF  
 $T_2$  = WIDTH OF LEFT TURN LANE  
 ON DEPARTURE SIDE OF  
 $W_T$  = TOTAL WIDTH OF CHANNELIZATION  
 $(W_1 + W_2 + T_1 + T_2)$

### NOTES

1. THE FIRST TYPE 2L ARROW IS INSTALLED 50 FEET BACK OF STOP LINE OR CROSSWALK. THE SECOND ARROW IS LOCATED 100 FEET BACK OR AT THE END OF WIDE SOLID LANE LINE.
2. "S" = 140 FT. FOR POSTED SPEED < 50 MPH.  
"S" = 170 FT. FOR POSTED SPEED  $\geq 50$  MPH.
3. STOPPING POINT SHALL BE MARKED WITH STOP LINE ONLY WHEN MAINLINE MOVEMENT IS CONTROLLED BY A STOP SIGN OR TRAFFIC SIGNAL.
4. RAISED PAVEMENT MARKERS SHALL BE INSTALLED WITH ALL STRIPING, MEDIANS, AND CURBING USED AS CHANNELIZATION.



## TWO-WAY LEFT-TURN LANE

(FOR END OF TWLTL, SEE DETAIL B,  
STD. DETAIL FW.M20.41)

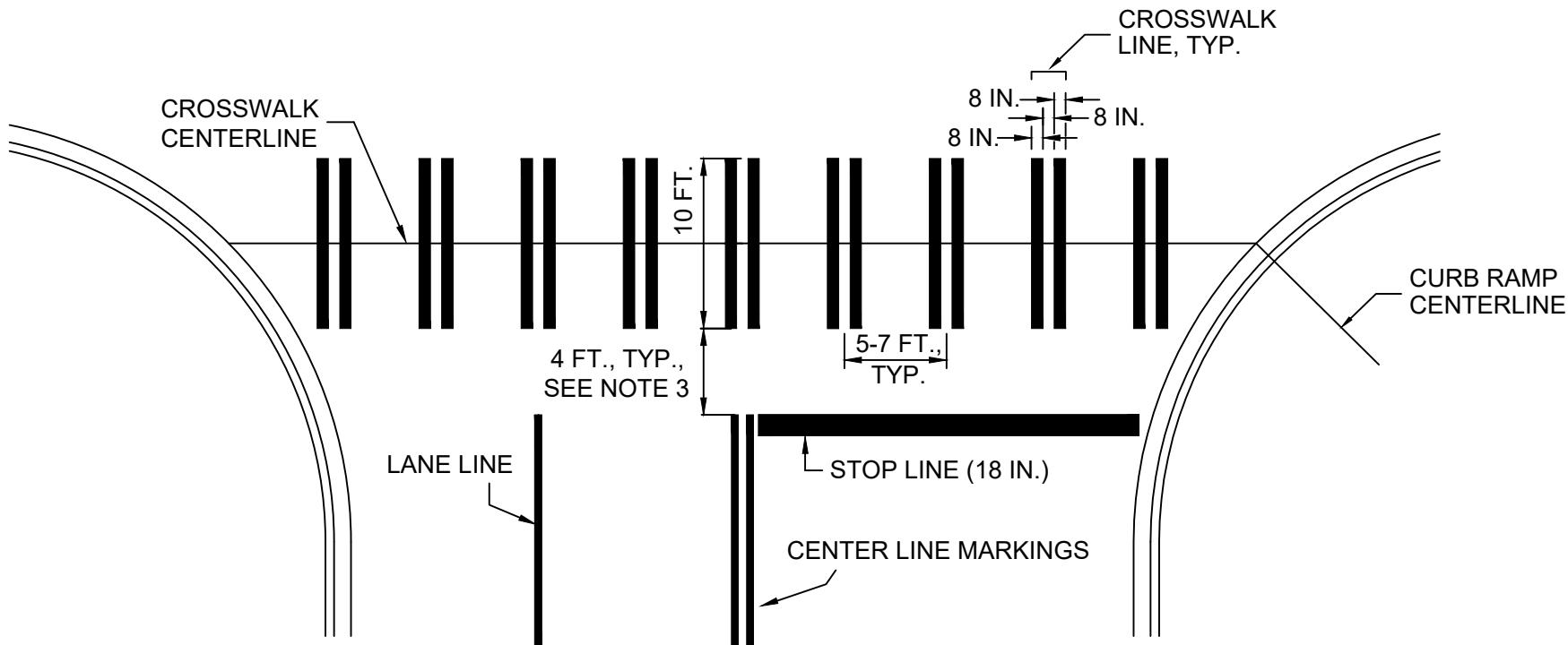
**SEE STANDARD DETAIL FW.M20.10 FOR STRIPING PATTERN NOTES.**  
**SEE STANDARD DETAIL FW.M15.10 FOR NOTES ON ARROWS AND STOP LINE.**  
**SEE STANDARD DETAILS FW.M20.30 AND FW.M20.40 FOR RPM DETAILS AND NOTES.**

POSTED SPEED	TAPER RATE
55 MPH	55 : 1
50 MPH	50 : 1
45 MPH	45 : 1
40 MPH	40 : 1
35 MPH	35 : 1
30 MPH	30 : 1
25 MPH	25 : 1

POSTED SPEED	DECEL. TAPER LENGTH
55 MPH	165'
50 MPH	150'
45 MPH	135'
40 MPH	120'
35 MPH	105'
30 MPH	90'
25 MPH	75'

POSTED SPEED	NO PASS LENGTH (MINIMUM)
55 MPH	725'
50 MPH	660'
45 MPH	590'
40 MPH	360'
35 MPH	260'
30 MPH	200'
25 MPH	150'

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## CROSSWALK LINE DETAIL

### NOTES

1. FOR MATERIALS, SEE STANDARD DETAIL FW.M20.10.
2. CROSSWALK LINE SHALL CONSIST OF TWO 8-INCH WIDE LINES, SEPARATED BY AN 8-INCH GAP - SEE DETAIL ABOVE.
3. CROSSWALK LINE SHALL NOT BE INSTALLED ON CONCRETE GUTTER PAN. USE OF SINGLE 8-INCH LINES NEAR THE GUTTER IS ALLOWED.
4. PROVIDE A MINIMUM OF 4 FEET BETWEEN FACE OF STOP LINE AND BOTTOM OF CROSSWALK. PROVIDE ADDITIONAL SPACE IF INDICATED BY TURNING MOVEMENT ANALYSIS.
5. CROSSWALK LINE SHALL TYPICALLY BE ALIGNED WITH CENTER LINE AND LANE LINE MARKINGS. OTHER CROSSWALK LINE SHALL BE CENTERED BETWEEN THESE.
6. STOP LINE USE CASES - SEE STANDARD DETAIL FW.M3.10
7. TRAFFIC ARROWS TYPE 1S, 2SL, 2ST, 3SL, 3SR, 4S, AND 7S - SEE WSDOT STANDARD PLAN M-24.40 AND STANDARD DETAIL FW.M3.10
8. YIELD LINE SYMBOL - SEE WSDOT STANDARD PLAN M-24.60 - TYPE 2, UNLESS APPROVED BY THE CITY TRAFFIC ENGINEER
9. ACCESS PARKING SPACE SYMBOL - SEE WSDOT STANDARD PLAN M-24.60
10. BICYCLE LANE SYMBOL - SEE WSDOT STANDARD PLAN M-9.50
11. HIGH OCCUPANCY VEHICLE (HOV) LANE SYMBOL - SEE WSDOT STANDARD PLAN M-7.50
12. SPEED BUMP SYMBOL - SEE WSDOT STANDARD PLAN M-24.60

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## NOTES

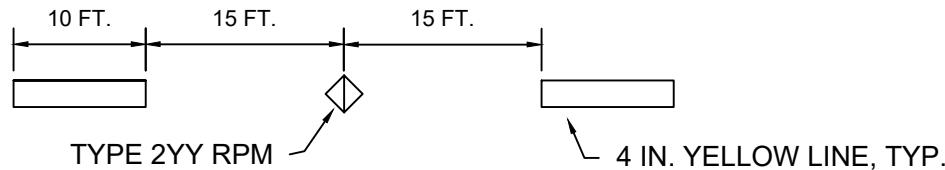
### LONGITUDINAL STRIPING

1. LONGITUDINAL STRIPING PATTERNS SHALL BE IN ACCORDANCE WITH WSDOT STANDARD PLAN M-20.10. FOR DOUBLE CENTER LINE STRIPING, THE DISTANCE BETWEEN THE LINES SHALL BE 4 INCHES.
2. LONGITUDINAL STRIPING MATERIAL
  - ARTERIALS SHALL BE PLASTIC TYPE D METHYLMETHACRYLATE (MMA).
  - COLLECTORS AND LOCAL STREETS SHALL BE PAINT; EXCEPTIONS ARE BELOW.
  - ROUNDABOUTS SHALL BE PLASTIC TYPE D ON ARTERIALS AND PRINCIPAL COLLECTORS. MINOR COLLECTORS AND LOCAL STREETS MAY BE PAINT. THIS INCLUDES LONGITUDINAL STRIPING TO THE END OF THE STRIPING TAPER AT EACH SPLITTER ISLAND.
  - STRIPING WITHIN INTERSECTIONS, REGARDLESS OF STREET CLASSIFICATION, SHALL BE PLASTIC TYPE A OR D. THIS REFERS TO DOTTED EXTENSION LINE OR OTHER STRIPING LOCATED WITHIN THE INTERSECTION ITSELF ONLY.
3. LONGITUDINAL STRIPING - PLASTIC TYPE D - PROFILE USE
  - SHALL PROFILE:
    - CENTER LINE (ALL PATTERNS).
    - LANE LINE (STANDARD, REVERSIBLE, AND WIDE (SOLID, DOTTED, AND HOV)).
    - YELLOW EDGE LINE.
    - DOTTED EXTENSION LINE.
  - SHALL NOT PROFILE:
    - WHITE EDGE LINE.
  - FOR ALL OTHER LONGITUDINAL STRIPING PATTERNS, COORDINATE WITH THE TRAFFIC DIVISION.

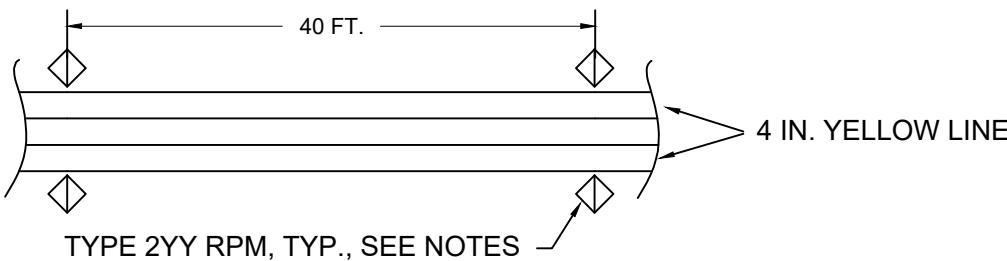
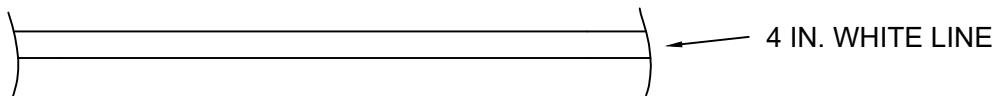
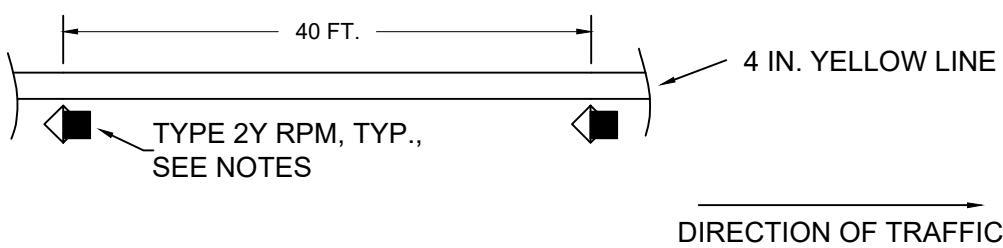
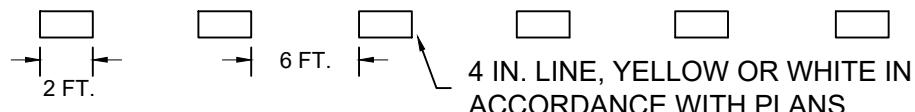
### TRANSVERSE MARKINGS

4. TRANSVERSE MARKING DIMENSIONS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL FW.M15.10.
  - TRANSVERSE MARKINGS FOR MOTORIZED VEHICLES SHALL INCLUDE STOP LINE, CROSSWALK LINE, YIELD LINE, ARROWS, HOV MARKINGS, SPEED BUMP SYMBOLS.
  - OTHER TRANSVERSE MARKINGS INCLUDE BICYCLE LANE MARKINGS AND SHARROWS.
  - FOR ANY MARKING NOT LISTED HERE, COORDINATE WITH THE TRAFFIC DIVISION.
5. TRANSVERSE MARKING MATERIAL
  - TRANSVERSE MARKINGS FOR MOTORIZED VEHICLES SHALL BE PLASTIC TYPE A.
  - TRANSVERSE MARKINGS FOR ROUNDABOUTS SHALL BE PLASTIC TYPE A.
  - OTHER TRANSVERSE MARKINGS SHALL BE PLASTIC TYPE A OR PAINT, AS NOTED BELOW:
    - BIKE LANE SYMBOLS SHALL BE PAINT, REGARDLESS OF STREET CLASSIFICATION.
    - SHARROWS SHALL BE PLASTIC TYPE A ON ARTERIALS AND COLLECTORS. ON LOCAL STREETS, SHARROWS SHALL BE PAINT.

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**CENTER LINE****NOTES**

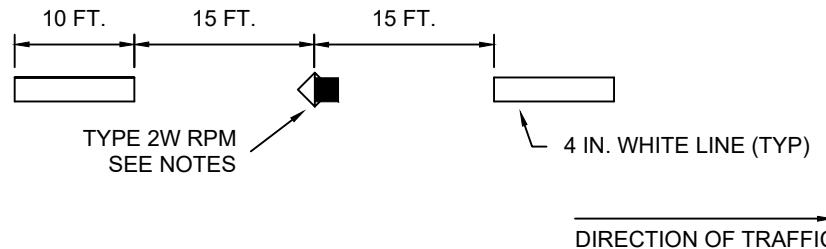
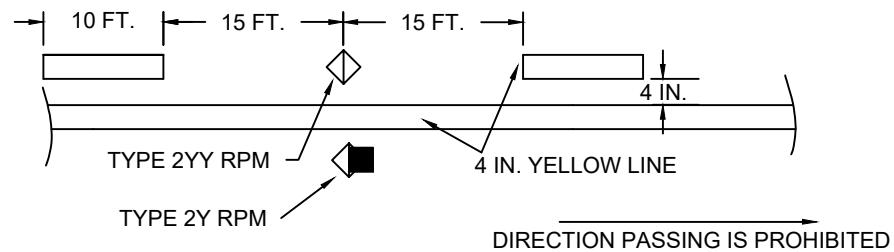
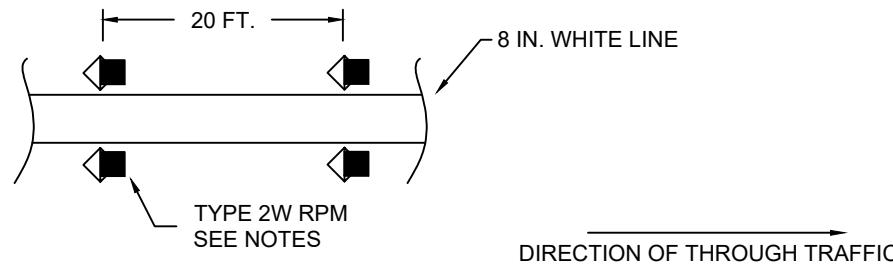
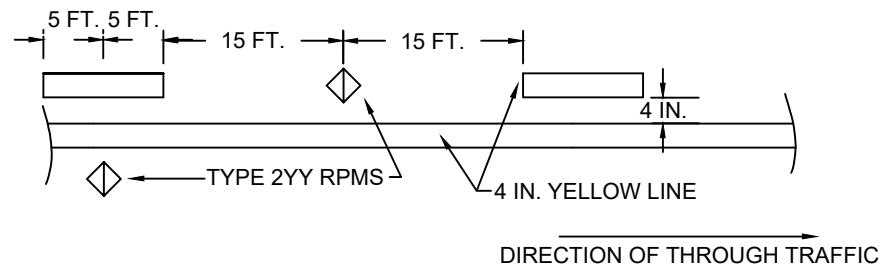
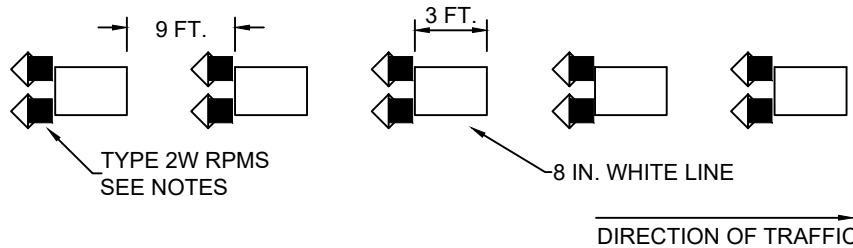
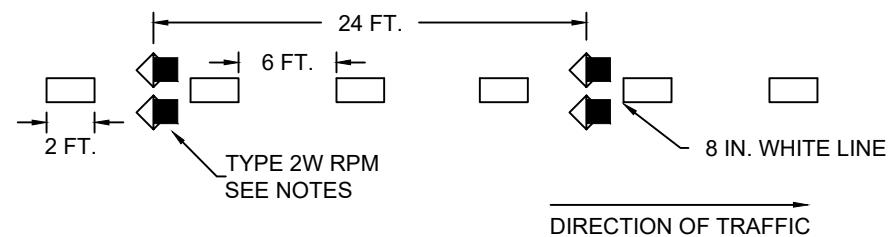
1. FOR PAVEMENT MARKING PATTERNS AND DETAILS, SEE STANDARD DETAIL FW.M20.10.
2. FOR RPM TYPES, SEE STANDARD DETAIL FW.20.40.
3. ALL RPMS SHALL BE LOCATED TO PROVIDE 4 INCHES BETWEEN STRIPING AND RPMS.
4. TYPE 2 RPMS SHALL BE USED ON ALL ARTERIALS AND COLLECTORS, IF STRIPED.
5. WHERE CURBING IS USED IN PLACE OF STRIPING, USE THE RPM PATTERN APPLICABLE TO THE STRIPING BEING REPLACED.
6. WHERE RAISED MEDIAN OR YELLOW CURBING IS USED IN PLACE OF STRIPING, USE TYPE 2YR RPMS, WITH RED FACING OPPOSITE THE DIRECTION OF TRAFFIC.
7. WHERE RAISED MEDIAN OR WHITE CURBING IS USED IN PLACE OF STRIPING, USE TYPE 2WR RPMS, WITH RED FACING OPPOSITE THE DIRECTION OF TRAFFIC.
8. WHERE TYPE 2YR AND TYPE 2WR RPMS ARE USED, THESE ARE REQUIRED FOR EVERY LINE ON EACH SIDE OF THE STREET WHERE THERE IS A MEDIAN OR CENTER CURBING.
9. MARK FIRE HYDRANTS WITH TYPE BB RPMS, NEAR THE STREET CENTERLINE, OFFSET TO THE SIDE OF THE STREET WITH THE HYDRANT.

**DOUBLE CENTER LINE****WHITE EDGE LINE****YELLOW EDGE LINE****DOTTED EXTENSION LINE****LEGEND**

◀■ MONO-DIRECTIONAL RPM TYPE 2

◀◇ BI-DIRECTIONAL RPM TYPE 2

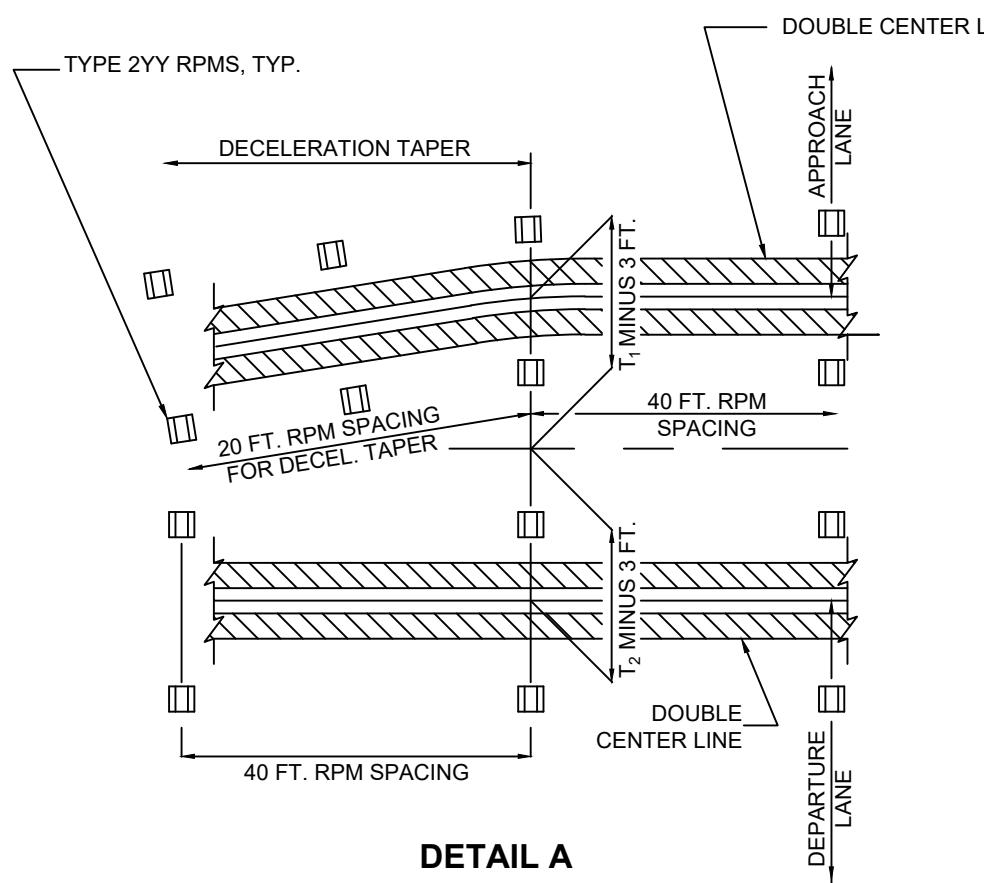
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**LANE LINE****CENTER LINE WITH NO PASS LINE****WIDE SOLID LANE LINE****TWO-WAY LEFT-TURN CENTER LINE****WIDE DOTTED LANE LINE****WIDE DOTTED EXTENSION LINE (FOR HOV LANE USE)****RAISED PAVEMENT MARKER (RPM) TYPES**

TYPE 1	NON-REFLECTIVE	NOT USED
TYPE 2W	REFLECTIVE FACE ONE SIDE	WHITE
TYPE 2WR	REFLECTIVE FACE BOTH SIDES	WHITE / RED
TYPE 2Y	REFLECTIVE FACE ONE SIDE	YELLOW
TYPE 2YY	REFLECTIVE FACE BOTH SIDES	YELLOW / YELLOW
TYPE 2YR	REFLECTIVE FACE BOTH SIDES	YELLOW / RED

SEE STANDARD DETAIL FW.M20.30 FOR RPM DETAILS AND NOTES.  
SEE STANDARD DETAIL FW.M20.10 FOR STRIPING PATTERN NOTES.

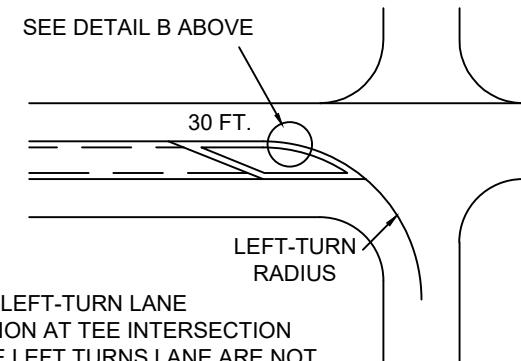
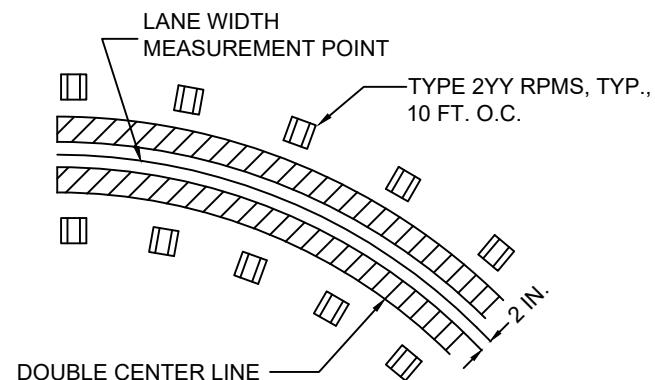
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WHERE:

$T_1$  = WIDTH OF LEFT-TURN LANE ON APPROACH  
SIDE OF STREET CENTERLINE

$T_2$  = WIDTH OF LEFT-TURN LANE ON DEPARTURE  
SIDE OF STREET CENTERLINE



TWO-WAY LEFT-TURN LANE  
TERMINATION AT TEE INTERSECTION  
OR WHERE LEFT TURNS LANE ARE NOT  
PERMITTED AND TWO-WAY LEFT-TURN  
LANE IS NOT CONTINUED BEYOND  
INTERSECTION.

**END TWO-WAY LEFT-TURN LANE**

**SEE STANDARD DETAILS FW.M20.30 AND FW.M20.40 FOR RPM DETAILS AND NOTES.  
SEE STANDARD DETAIL FW.M20.10 FOR STRIPING PATTERN NOTES.**

REV: JUN 2024

State of Washington  
 Department of Labor & Industries  
 Prevailing Wage Section - Telephone 360-902-5335  
 PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

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Journey Level Prevailing Wage Rates for the Effective Date: 01/26/2026

## King County

Trade 	Job Classification 	Wage 	Holiday	Overtime	Note	Risk Clas
Asbestos Abatement Workers	Journey Level	\$67.39	<b>5D</b>	<b>1H</b>		<b>View</b>
Boilermakers	Journey Level	\$78.89	<b>5N</b>	<b>1C</b>		<b>View</b>
Brick Mason	Journey Level	\$76.07	<b>7E</b>	<b>1N</b>		<b>View</b>
Brick Mason	Pointer-Caulker-Cleaner	\$76.07	<b>7E</b>	<b>1N</b>		<b>View</b>
Building Service Employees	Janitor	\$30.33	<b>5S</b>	<b>2F</b>		<b>View</b>
Building Service Employees	Traveling Waxer/Shampooer	\$30.78	<b>5S</b>	<b>2F</b>		<b>View</b>
Building Service Employees	Window Cleaner (Non-Scaffold)	\$32.93	<b>5S</b>	<b>2F</b>		<b>View</b>
Building Service Employees	Window Cleaner (Scaffold)	\$33.93	<b>5S</b>	<b>2F</b>		<b>View</b>

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Cabinet Makers (In Shop)	Journey Level	\$22.74	<b>1</b>	<b>View</b>		
Carpenters	Acoustical Worker	\$83.21	<b>15J</b>	<b>11U</b>	<b>View</b>	
Carpenters	Bridge Dock and Wharf Carpenter	\$84.81	<b>15J</b>	<b>11U</b>	<b>9L</b>	<b>View</b>
Carpenters	Floor Layer & Floor Finisher	\$83.21	<b>15J</b>	<b>11U</b>	<b>View</b>	
Carpenters	General Carpenter	\$83.21	<b>15J</b>	<b>11U</b>	<b>View</b>	
Carpenters	Scaffold Erector	\$83.21	<b>15J</b>	<b>11U</b>	<b>View</b>	
Cement Masons	Application of all Composition Mastic	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Application of all Epoxy Material	\$81.36	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Application of all Plastic Material	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Application of Sealing Compound	\$81.36	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Application of Underlayment	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Building General	\$81.36	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Composition or Kalman Floors	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Concrete Paving	\$81.36	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Curb & Gutter Machine	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Curb & Gutter, Sidewalks	\$81.36	<b>15J</b>	<b>4U</b>	<b>View</b>	

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Cement Masons	Curing Concrete	\$81.36	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Finish Colored Concrete	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Floor Grinding	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Floor Grinding/Polisher	\$81.36	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Green Concrete Saw, self-powered	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Grouting of all Plates	\$81.36	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Grouting of all Tilt-up Panels	\$81.36	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Gunite Nozzelman	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Hand Powered Grinder	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Journey Level	\$81.36	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Patching Concrete	\$81.36	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Pneumatic Power Tools	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Power Chipping & Brushing	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Sand Blasting Architectural Finish	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Screed & Rodding Machine	\$81.87	<b>15J</b>	<b>4U</b>	<a href="#">View</a>
Cement Masons	Spackling or Skim Coat Concrete	\$81.36	<b>15J</b>	<b>4U</b>	<a href="#">View</a>

Cement Masons	Troweling Machine Operator	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Troweling Machine Operator on Colored Slabs	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Cement Masons	Tunnel Workers	\$81.87	<b>15J</b>	<b>4U</b>	<b>View</b>	
Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	\$144.72	<b>15J</b>	<b>11T</b>	<b>9I</b>	<b>View</b>
Divers & Tenders	Dive Supervisor	\$146.22	<b>15J</b>	<b>11T</b>	<b>9I</b>	<b>View</b>
Divers & Tenders	Diver	\$144.72	<b>15J</b>	<b>11T</b>	<b>9I</b>	<b>View</b>
Divers & Tenders	Diver Tender	\$91.05	<b>15J</b>	<b>11T</b>	<b>9I</b>	<b>View</b>
Divers & Tenders	Hyperbaric Worker - 0-30.00 PSI	\$114.73	<b>15J</b>	<b>11U</b>	<b>View</b>	
Divers & Tenders	Hyperbaric Worker - 30.01-44.00 PSI	\$124.28	<b>15J</b>	<b>11U</b>	<b>View</b>	
Divers & Tenders	Hyperbaric Worker - 44.01 - 54.00 PSI	\$133.82	<b>15J</b>	<b>11U</b>	<b>View</b>	
Divers & Tenders	Hyperbaric Worker - 54.01 - 60.00 PSI	\$143.37	<b>15J</b>	<b>11U</b>	<b>View</b>	
Divers & Tenders	Hyperbaric Worker - 60.01 - 64.00 PSI	\$152.91	<b>15J</b>	<b>11U</b>	<b>View</b>	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker	\$162.46	<b>15J</b>	<b>11U</b>	<b>View</b>	

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64.01 - 68.00 PSI

	Hyperbaric Worker -						
Divers & Tenders	Compressed Air Worker	\$172.00	<b>15J</b>	<b>11U</b>			<b>View</b>
	68.01 - 70.00 PSI						
	Hyperbaric Worker -						
Divers & Tenders	Compressed Air Worker	\$181.55	<b>15J</b>	<b>11U</b>			<b>View</b>
	70.01 - 72.00 PSI						
	Hyperbaric Worker -						
Divers & Tenders	Compressed Air Worker	\$191.09	<b>15J</b>	<b>11U</b>			<b>View</b>
	72.01 - 74.00 PSI						
Divers & Tenders	Lead Diver (Dive Master)	\$105.51	<b>15J</b>	<b>11T</b>	<b>9I</b>		<b>View</b>
Divers & Tenders	Manifold Operator (Life Support Technician)	\$96.05	<b>15J</b>	<b>11U</b>	<b>9I</b>		<b>View</b>
Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$91.05	<b>15J</b>	<b>11T</b>	<b>9I</b>		<b>View</b>
Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$91.05	<b>15J</b>	<b>11U</b>	<b>9I</b>		<b>View</b>
Divers & Tenders	Remote Operated Vehicle Tender	\$84.75	<b>15J</b>	<b>11T</b>	<b>9I</b>		<b>View</b>
Divers & Tenders	Stand-by Diver	\$100.51	<b>15J</b>	<b>11T</b>	<b>9I</b>		<b>View</b>
Dredge Workers	Assistant Engineer	\$89.47	<b>5D</b>	<b>3F</b>			<b>View</b>
Dredge Workers	Assistant Mate (Deckhand)	\$88.78	<b>5D</b>	<b>3F</b>			<b>View</b>
Dredge Workers	Boatmen	\$89.47	<b>5D</b>	<b>3F</b>			<b>View</b>
Dredge Workers	Engineer Welder	\$91.20	<b>5D</b>	<b>3F</b>			<b>View</b>
Dredge Workers	Leverman, Hydraulic	\$93.03	<b>5D</b>	<b>3F</b>			<b>View</b>

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Dredge Workers	Mates	\$89.47	<b>5D</b>	<b>3F</b>	<a href="#">View</a>
Dredge Workers	Oiler	\$88.78	<b>5D</b>	<b>3F</b>	<a href="#">View</a>
Drywall Applicator	Journey Level	\$81.71	<b>150</b>	<b>11S</b>	<a href="#">View</a>
Drywall Tapers	Journey Level	\$81.71	<b>150</b>	<b>11S</b>	<a href="#">View</a>
Electrical Fixture Maintenance Workers	Journey Level	\$40.69	<b>5L</b>	<b>1E</b>	<a href="#">View</a>
Electricians - Inside	Cable Splicer	\$117.27	<b>7C</b>	<b>4E</b>	<a href="#">View</a>
Electricians - Inside	Cable Splicer (tunnel)	\$125.88	<b>7C</b>	<b>4E</b>	<a href="#">View</a>
Electricians - Inside	Certified Welder	\$113.35	<b>7C</b>	<b>4E</b>	<a href="#">View</a>
Electricians - Inside	Certified Welder (tunnel)	\$121.57	<b>7C</b>	<b>4E</b>	<a href="#">View</a>
Electricians - Inside	Construction Stock Person	\$54.03	<b>7C</b>	<b>4E</b>	<a href="#">View</a>
Electricians - Inside	Journey Level	\$109.44	<b>7C</b>	<b>4E</b>	<a href="#">View</a>
Electricians - Inside	Journey Level (tunnel)	\$117.27	<b>7C</b>	<b>4E</b>	<a href="#">View</a>
Electricians - Motor Shop	Journey Level	\$48.68	<b>5A</b>	<b>1B</b>	<a href="#">View</a>
Electricians - Powerline Construction	Cable Splicer	\$102.42	<b>5A</b>	<b>4D</b>	<a href="#">View</a>
Electricians - Powerline Construction	Certified Line Welder	\$93.99	<b>5A</b>	<b>4D</b>	<a href="#">View</a>
Electricians - Powerline Construction	Groundperson	\$59.30	<b>5A</b>	<b>4D</b>	<a href="#">View</a>
Electricians - Powerline Construction	Heavy Line Equipment Operator	\$93.99	<b>5A</b>	<b>4D</b>	<a href="#">View</a>

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Electricians - Powerline Construction	Journey Level Lineperson	\$93.99	<b>5A</b>	<b>4D</b>		<a href="#">View</a>
Electricians - Powerline Construction	Line Equipment Operator	\$80.96	<b>5A</b>	<b>4D</b>		<a href="#">View</a>
Electricians - Powerline Construction	Meter Installer	\$59.30	<b>5A</b>	<b>4D</b>	<b>8W</b>	<a href="#">View</a>
Electricians - Powerline Construction	Pole Sprayer	\$93.99	<b>5A</b>	<b>4D</b>		<a href="#">View</a>
Electricians - Powerline Construction	Powderperson	\$69.84	<b>5A</b>	<b>4D</b>		<a href="#">View</a>
Electronic Technicians	Journey Level	\$71.19	<b>7E</b>	<b>1E</b>		<a href="#">View</a>
Elevator Constructors	Mechanic	\$115.14	<b>7D</b>	<b>4A</b>		<a href="#">View</a>
Elevator Constructors	Mechanic In Charge	\$124.53	<b>7D</b>	<b>4A</b>		<a href="#">View</a>
Fabricated Precast Concrete Products	All Classifications - In-Factory Work Only	\$21.34	<b>5B</b>	<b>1R</b>		<a href="#">View</a>
Fence Erectors	Fence Erector	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Fence Erectors	Fence Laborer	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Flaggers	Journey Level	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Glaziers	Journey Level	\$85.16	<b>7L</b>	<b>1Y</b>		<a href="#">View</a>
Heat & Frost Insulators And Asbestos Workers	Journey Level	\$96.42	<b>15H</b>	<b>11C</b>		<a href="#">View</a>
Heating Equipment Mechanics	Journey Level	\$105.42	<b>7F</b>	<b>1E</b>		<a href="#">View</a>
Hod Carriers & Mason Tenders	Journey Level	\$71.09	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>

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Industrial Power Vacuum Cleaner	Journey Level	\$17.13	<b>1</b>	<b>View</b>	
Inland Boatmen	Boat Operator	\$71.28	<b>5B</b>	<b>1K</b>	<b>View</b>
Inland Boatmen	Cook	\$69.70	<b>5B</b>	<b>1K</b>	<b>View</b>
Inland Boatmen	Deckhand	\$70.00	<b>5B</b>	<b>1K</b>	<b>View</b>
Inland Boatmen	Deckhand Engineer	\$69.55	<b>5B</b>	<b>1K</b>	<b>View</b>
Inland Boatmen	Launch Operator	\$71.23	<b>5B</b>	<b>1K</b>	<b>View</b>
Inland Boatmen	Mate	\$89.12	<b>5B</b>	<b>1K</b>	<b>View</b>
Inspection/Cleaning/Sealing					
Of Sewer & Water Systems	Cleaner Operator	\$54.56	<b>15M</b>	<b>110</b>	<b>View</b>
By Remote Control					
Inspection/Cleaning/Sealing					
Of Sewer & Water Systems	Foamer Operator	\$54.56	<b>15M</b>	<b>110</b>	<b>View</b>
By Remote Control					
Inspection/Cleaning/Sealing					
Of Sewer & Water Systems	Grout Truck Operator	\$54.56	<b>15M</b>	<b>110</b>	<b>View</b>
By Remote Control					
Inspection/Cleaning/Sealing					
Of Sewer & Water Systems	Head Operator	\$52.40	<b>15M</b>	<b>110</b>	<b>View</b>
By Remote Control					
Inspection/Cleaning/Sealing					
Of Sewer & Water Systems	Technician	\$45.97	<b>15M</b>	<b>110</b>	<b>View</b>
By Remote Control					
Inspection/Cleaning/Sealing					
Of Sewer & Water Systems	TV Truck Operator	\$49.20	<b>15M</b>	<b>110</b>	<b>View</b>
By Remote Control					

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Insulation Applicators	Journey Level	\$83.21	<b>15J</b>	<b>11U</b>		<b>View</b>
Ironworkers	Journeyman	\$92.82	<b>15K</b>	<b>11N</b>		<b>View</b>
Laborers	Air, Gas Or Electric Vibrating Screed	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Airtrac Drill Operator	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Ballast Regular Machine	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Batch Weighman	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Brick Pavers	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Brush Cutter	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Brush Hog Feeder	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Burner	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Caisson Worker	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Carpenter Tender	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Cement Dumper-paving	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Cement Finisher Tender	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Change House Or Dry Shack	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Chipping Gun (30 Lbs. And Over)	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Chipping Gun (Under 30 Lbs.)	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers	Choker Setter	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>

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Laborers	Chuck Tender	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Clary Power Spreader	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Clean-up Laborer	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Concrete Dumper/Chute Operator	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Concrete Form Stripper	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Concrete Placement Crew	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Concrete Saw Operator/Core Driller	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Crusher Feeder	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Curing Laborer	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Ditch Digger	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Diver	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Drill Operator (Hydraulic, Diamond)	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Dry Stack Walls	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Dump Person	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Epoxy Technician	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Erosion Control Worker	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>

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Laborers	Faller & Bucker Chain Saw	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Fine Graders	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Firewatch	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Form Setter	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Gabian Basket Builders	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	General Laborer	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Grade Checker & Transit Person	\$71.09	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Grinders	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Grout Machine Tender	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Groutmen (Pressure) Including Post Tension Beams	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Guardrail Erector	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Hazardous Waste Worker (Level A)	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Hazardous Waste Worker (Level B)	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Hazardous Waste Worker (Level C)	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	High Scaler	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Jackhammer	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Laserbeam Operator	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>

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Laborers	Maintenance Person	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Manhole Builder-Mudman	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Material Yard Person	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Mold Abatement Worker	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Motorman-Dinky Locomotive	\$71.19	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	nozzelman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	\$71.09	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
	Pavement Breaker	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
	Pilot Car	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
	Pipe Layer (Lead)	\$71.09	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
	Pipe Layer/Tailor	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
	Pipe Pot Tender	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Pipe Reliner	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Pipe Wrapper	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Pot Tender	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Powderman	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>

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Laborers	Powderman's Helper	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Power Jacks	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Power Washer	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Railroad Spike Puller - Power	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Raker - Asphalt	\$71.09	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Re-timberman	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Remote Equipment Operator	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Rigger/Signal Person	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Rip Rap Person	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Rivet Buster	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Rodder	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Scaffold Erector	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Scale Person	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Sloper (Over 20")	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Sloper Sprayer	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Spreader (Concrete)	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Stake Hopper	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Stock Piler	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>

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Laborers	Swinging Stage/Boatswain Chair	\$57.66	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Tamper (Multiple & Self-propelled)	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Toolroom Person (at Jobsite)	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Topper	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Track Laborer	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Track Liner (Power)	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Traffic Control Laborer	\$61.41	<b>15J</b>	<b>11P</b>	<b>9C</b>	<a href="#">View</a>
Laborers	Traffic Control Supervisor	\$64.86	<b>15J</b>	<b>11P</b>	<b>9C</b>	<a href="#">View</a>
Laborers	Truck Spotter	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Tugger Operator	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<a href="#">View</a>
Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$225.32	<b>15J</b>	<b>11P</b>	<b>9B</b>	<a href="#">View</a>
Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$230.35	<b>15J</b>	<b>11P</b>	<b>9B</b>	<a href="#">View</a>
Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$234.03	<b>15J</b>	<b>11P</b>	<b>9B</b>	<a href="#">View</a>

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	Tunnel Work-Compressed						
Laborers	Air Worker 54.01-60.00 psi	\$239.73	<b>15J</b>	<b>11P</b>	<b>9B</b>	<b>View</b>	
	Tunnel Work-Compressed						
Laborers	Air Worker 60.01-64.00 psi	\$241.85	<b>15J</b>	<b>11P</b>	<b>9B</b>	<b>View</b>	
	Tunnel Work-Compressed						
Laborers	Air Worker 64.01-68.00 psi	\$246.95	<b>15J</b>	<b>11P</b>	<b>9B</b>	<b>View</b>	
	Tunnel Work-Compressed						
Laborers	Air Worker 68.01-70.00 psi	\$248.85	<b>15J</b>	<b>11P</b>	<b>9B</b>	<b>View</b>	
	Tunnel Work-Compressed						
Laborers	Air Worker 70.01-72.00 psi	\$250.85	<b>15J</b>	<b>11P</b>	<b>9B</b>	<b>View</b>	
	Tunnel Work-Compressed						
Laborers	Air Worker 72.01-74.00 psi	\$252.85	<b>15J</b>	<b>11P</b>	<b>9B</b>	<b>View</b>	
	Tunnel Work-Guage and Lock Tender	\$71.19	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>	
Laborers	Tunnel Work-Miner	\$71.19	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>	
Laborers	Vibrator	\$69.37	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>	
Laborers	Vinyl Seamer	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>	
Laborers	Watchman	\$52.73	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>	
Laborers	Welder	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>	
Laborers	Well Point Laborer	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>	

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Laborers	Window Washer/Cleaner	\$52.73	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers - Underground Sewer & Water	General Laborer & Topman	\$67.39	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Laborers - Underground Sewer & Water	Pipe Layer	\$68.56	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Landscape						
Landscape Construction	Construction/Landscaping Or Planting Laborers	\$52.73	<b>15J</b>	<b>11P</b>	<b>8Y</b>	<b>View</b>
Landscape Construction	Landscape Operator	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>
Landscape Maintenance	Groundskeeper	\$17.87		<b>1</b>		<b>View</b>
Lathers	Journey Level	\$81.71	<b>150</b>	<b>11S</b>		<b>View</b>
Marble Setters	Journey Level	\$76.07	<b>7E</b>	<b>1N</b>		<b>View</b>
Metal Fabrication (In Shop)	Fitter/Certified Welder	\$42.17	<b>15I</b>	<b>11E</b>		<b>View</b>
Metal Fabrication (In Shop)	General Laborer	\$30.07	<b>15I</b>	<b>11E</b>		<b>View</b>
Metal Fabrication (In Shop)	Mechanic	\$43.63	<b>15I</b>	<b>11E</b>		<b>View</b>
Metal Fabrication (In Shop)	Welder/Burner	\$39.28	<b>15I</b>	<b>11E</b>		<b>View</b>
Millwright	Journey Level	\$84.44	<b>5A</b>	<b>1B</b>		<b>View</b>
Modular Buildings	Cabinet Assembly	\$17.13		<b>1</b>		<b>View</b>
Modular Buildings	Electrician	\$17.13		<b>1</b>		<b>View</b>
Modular Buildings	Equipment Maintenance	\$17.13		<b>1</b>		<b>View</b>
Modular Buildings	Plumber	\$17.13		<b>1</b>		<b>View</b>

Modular Buildings	Production Worker	\$17.13	<b>1</b>	<b>View</b>		
Modular Buildings	Tool Maintenance	\$17.13	<b>1</b>	<b>View</b>		
Modular Buildings	Utility Person	\$17.13	<b>1</b>	<b>View</b>		
Modular Buildings	Welder	\$17.13	<b>1</b>	<b>View</b>		
Painters	Journey Level	\$56.09	<b>6Z</b>	<b>11J</b>	<b>View</b>	
Pile Driver	Crew Tender	\$80.50	<b>15J</b>	<b>11U</b>	<b>9L</b>	<b>View</b>
Pile Driver	Journey Level	\$84.81	<b>15J</b>	<b>11U</b>		<b>View</b>
Plasterers	Journey Level	\$78.60	<b>7Q</b>	<b>1R</b>		<b>View</b>
Plasterers	Nozzelman	\$82.70	<b>7Q</b>	<b>1R</b>		<b>View</b>
Playground & Park Equipment Installers	Journey Level	\$17.13		<b>1</b>		<b>View</b>
Plumbers & Pipefitters	Journey Level	\$107.59	<b>6Z</b>	<b>1G</b>		<b>View</b>
Power Equipment Operators	Asphalt Plant Operators	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>
Power Equipment Operators	Assistant Engineer	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>
Power Equipment Operators	Barrier Machine (zipper)	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>
Power Equipment Operators	Batch Plant Operator: concrete	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>
Power Equipment Operators	Boat Operator	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>

Power Equipment Operators	Bobcat	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Brokk - Remote Demolition Equipment	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Brooms	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Bump Cutter	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cableways	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Chipper	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Compressor	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Concrete Finish Machine - Laser Screed	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Conveyors	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>

Power Equipment Operators	Cranes Friction: 200 tons and over	\$94.85	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes, A-frame: 10 tons and under	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$92.98	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	\$91.25	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$93.95	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$94.85	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$93.95	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Crusher	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Deck Engineer/Deck Winches (power)	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>

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Power Equipment Operators	Derricks, On Building Work	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Dozers D-9 & Under	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Drilling Machine	\$94.30	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Elevator and man-lift: permanent and shaft type	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Forklift: 3000 lbs and over with attachments	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Gradechecker/Stakeman	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Guardrail Punch	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>

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	Hard Tail End Dump						
Power Equipment Operators	Articulating Off-road Equipment Under 45 Yards	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Horizontal/Directional Drill Locator	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Horizontal/Directional Drill Operator	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Hydraulifts/Boom Trucks Over 10 Tons	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Hydraulifts/boom trucks: 10 tons and under	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Leverman	\$95.28	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Loaders, Plant Feed	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Loaders: Elevating Type Belt	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Locomotives, All	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Material Transfer Device	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Power Equipment Operators	Mechanics: All (Leadmen - \$0.50 per hour over mechanic)	\$94.30	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	

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Power Equipment Operators	Motor Patrol Graders	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	\$91.25	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Overhead, bridge type: 100 tons and over	\$92.98	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Pavement Breaker	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Posthole Digger, Mechanical	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Power Plant	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>

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Power Equipment Operators	Pumps - Water	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Rigger and Bellman	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Rollagon	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Roller, Other Than Plant Mix	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Roto-mill, Roto-grinder	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Saws - Concrete	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Scrapers - Concrete & Carry All	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>

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Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Service Engineers: Equipment	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Shotcrete/Gunite Equipment	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$94.30	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$95.28	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Slipform Pavers	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Spreader, Topsider & Screedman	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Subgrader Trimmer	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Tower Bucket Elevators	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>

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Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$93.95	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Tower crane: up to 175' in height base to boom	\$92.98	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	\$94.85	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Transporters, All Track Or Truck Type	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Trenching Machines	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	\$91.25	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Truck crane oiler/.driver: under 100 tons	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Truck Mount Portable Conveyor	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Welder	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Wheel Tractors, Farmall Type	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators	Yo Yo Pay Dozer	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>
Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operators	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>

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Power Equipment							
Operators- Underground	Assistant Engineer	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Barrier Machine (zipper)	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Batch Plant Operator, Concrete	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Boat Operator	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Bobcat	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Brokk - Remote Demolition Equipment	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Brooms	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Bump Cutter	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Cableways	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Chipper	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							

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Power Equipment							
Operators- Underground	Compressor	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Concrete Finish Machine - Laser Screed	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Concrete Pump - Mounted						
Operators- Underground	Or Trailer High Pressure Line Pump, Pump High	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Pressure						
Power Equipment	Concrete Pump: Truck						
Operators- Underground	Mount With Boom	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Attachment Over 42 M						
Power Equipment	Concrete Pump: Truck						
Operators- Underground	Mount With Boom	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Attachment Up To 42m						
Power Equipment							
Operators- Underground	Conveyors	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Cranes Friction: 200 tons and over	\$94.85	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Cranes, A-frame: 10 tons and under	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$92.98	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Operators- Underground							
Sewer & Water							
Power Equipment	Cranes: 20 tons through 44 tons with attachments	\$91.25	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Operators- Underground							

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## Sewer &amp; Water

Power Equipment	Cranes: 200 tons- 299						
Operators- Underground	tons, or 250' of boom	\$93.95	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	including jib with attachments						
Power Equipment	Cranes: 300 tons and over						
Operators- Underground	or 300' of boom including	\$94.85	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	jib with attachments						
Power Equipment	Cranes: 45 tons through						
Operators- Underground	99 tons, under 150' of	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	boom(including jib with attachments)						
Power Equipment	Cranes: Friction cranes						
Operators- Underground	through 199 tons	\$93.95	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Cranes: through 19 tons						
Operators- Underground	with attachments, a-frame	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	over 10 tons						
Power Equipment							
Operators- Underground	Crusher	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Deck Engineer/Deck	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Winches (power)						
Power Equipment							
Operators- Underground	Derricks, On Building						
Sewer & Water	Work	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Power Equipment							
Operators- Underground	Dozers D-9 & Under	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							

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Power Equipment							
Operators- Underground	Drill Oilers: Auger Type, Truck Or Crane Mount	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Drilling Machine	\$94.30	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Elevator and man-lift: permanent and shaft type	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Finishing Machine, Bidwell						
Operators- Underground	And Gamaco & Similar	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Equipment						
Power Equipment							
Operators- Underground	Forklift: 3000 lbs and over with attachments	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Forklifts: under 3000 lbs. with attachments	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Grade Engineer: Using						
Operators- Underground	Blue Prints, Cut Sheets,	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Etc						
Power Equipment							
Operators- Underground	Gradechecker/Stakeman	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Guardrail Punch	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Hard Tail End Dump						
Operators- Underground	Articulating Off- Road Equipment 45 Yards. &	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							

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Power Equipment	Hard Tail End Dump						
Operators- Underground	Articulating Off-road	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water	Equipment Under 45 Yards						
Power Equipment	Horizontal/Directional Drill						
Operators- Underground	Locator	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water							
Power Equipment	Horizontal/Directional Drill						
Operators- Underground	Operator	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water							
Power Equipment	Hydraulifts/boom trucks: 10 tons and under	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>	
Operators- Underground							
Sewer & Water							
Power Equipment	Hydraulifts/boom trucks: over 10 tons	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<a href="#">View</a>	
Operators- Underground							
Sewer & Water							
Power Equipment							
Operators- Underground	Leverman	\$95.28	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water							
Power Equipment							
Operators- Underground	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water							
Power Equipment							
Operators- Underground	Loaders, Overhead Under 6 Yards	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water							
Power Equipment							
Operators- Underground	Loaders, Plant Feed	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water							
Power Equipment							
Operators- Underground	Loaders: Elevating Type	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<a href="#">View</a>	
Sewer & Water	Belt						

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Power Equipment							
Operators- Underground	Locomotives, All	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Material Transfer Device	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Mechanics: All (Leadmen -						
Operators- Underground	\$0.50 per hour over	\$94.30	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	mechanic)						
Power Equipment							
Operators- Underground	Motor Patrol Graders	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Mucking Machine, Mole,						
Operators- Underground	Tunnel Drill, Boring, Road	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Header And/or Shield						
Power Equipment	Oil Distributors, Blower						
Operators- Underground	Distribution & Mulch	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Seeding Operator						
Power Equipment	Outside Hoists (Elevators						
Operators- Underground	and Manlifts), Air Tuggers,	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Strato						
Power Equipment	Overhead, bridge type						
Operators- Underground	Crane: 20 tons through 44	\$91.25	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	tons						
Power Equipment							
Operators- Underground	Overhead, bridge type:						
Sewer & Water	100 tons and over	\$92.98	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Power Equipment							
Operators- Underground	Overhead, bridge type: 45						
Sewer & Water	tons through 99 tons	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	

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Power Equipment							
Operators- Underground	Pavement Breaker	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Pile Driver (other Than Crane Mount)	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Plant Oiler - Asphalt, Crusher	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Posthole Digger, Mechanical	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Power Plant	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Pumps - Water	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Quad 9, Hd 41, D10 And Over	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment	Quick Tower: no cab,						
Operators- Underground	under 100 feet in height	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	base to boom						
Power Equipment	Remote Control Operator						
Operators- Underground	On Rubber Tired Earth	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Moving Equipment						
Power Equipment							
Operators- Underground	Rigger and Bellman	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							

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Power Equipment							
Operators- Underground	Rigger/Signal Person, Bellman(Certified)	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Rollagon	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Roller, Other Than Plant Mix	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Roller, Plant Mix Or Multi-lift Materials	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Roto-mill, Roto-grinder	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Saws - Concrete	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Scraper, Self Propelled Under 45 Yards	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Scrapers - Concrete & Carry All	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Scrapers, Self-propelled: 45 Yards And Over	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Shotcrete/Gunite Equipment	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							

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Power Equipment	Shovel, Excavator,						
Operators- Underground	Backhoe, Tractors Under	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	15 Metric Tons						
Power Equipment	Shovel, Excavator,						
Operators- Underground	Backhoe: Over 30 Metric	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Tons To 50 Metric Tons						
Power Equipment	Shovel, Excavator,						
Operators- Underground	Backhoes, Tractors: 15 To	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	30 Metric Tons						
Power Equipment	Shovel, Excavator,						
Operators- Underground	Backhoes: Over 50 Metric	\$94.30	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Tons To 90 Metric Tons						
Power Equipment	Shovel, Excavator,						
Operators- Underground	Backhoes: Over 90 Metric	\$95.28	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	Tons						
Power Equipment							
Operators- Underground	Slipform Pavers	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Spreader, Topsider &						
Sewer & Water	Screezman	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Power Equipment							
Operators- Underground	Subgrader Trimmer	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Tower Bucket Elevators	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Tower Crane: over 175'						
Sewer & Water	through 250' in height,	\$93.95	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water	base to boom						

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Power Equipment							
Operators- Underground	Tower crane: up to 175' in height base to boom	\$92.98	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Tower Cranes: over 250' in height from base to boom	\$94.85	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Transporters, All Track Or Truck Type	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Trenching Machines	\$90.81	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Truck Crane Oiler/Driver: 100 tons and over	\$91.25	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Truck crane oiler/.driver: under 100 tons	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Truck Mount Portable Conveyor	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Welder	\$93.36	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							
Power Equipment							
Operators- Underground	Wheel Tractors, Farmall Type	\$87.77	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>	
Sewer & Water							

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Power Equipment						
Operators- Underground	Yo Yo Pay Dozer	\$92.52	<b>15J</b>	<b>11G</b>	<b>8X</b>	<b>View</b>
Sewer & Water						
Power Line Clearance Tree Trimmers	Journey Level In Charge	\$65.20	<b>5A</b>	<b>4A</b>		<b>View</b>
Power Line Clearance Tree Trimmers						
Power Line Clearance Tree Trimmers	Spray Person	\$61.74	<b>5A</b>	<b>4A</b>		<b>View</b>
Power Line Clearance Tree Trimmers						
Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$65.00	<b>5A</b>	<b>4A</b>		<b>View</b>
Power Line Clearance Tree Trimmers						
Power Line Clearance Tree Trimmers	Tree Trimmer	\$58.29	<b>5A</b>	<b>4A</b>		<b>View</b>
Power Line Clearance Tree Trimmers						
Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$43.05	<b>5A</b>	<b>4A</b>		<b>View</b>
Refrigeration & Air Conditioning Mechanics						
Residential Brick Mason	Journey Level	\$100.35	<b>6Z</b>	<b>1G</b>		<b>View</b>
Residential Carpenters						
Residential Cement Masons	Journey Level	\$76.07	<b>7E</b>	<b>1N</b>		<b>View</b>
Residential Drywall Applicators	Journey Level	\$65.88		<b>1</b>		<b>View</b>
Residential Drywall Tapers	Journey Level	\$46.64		<b>1</b>		<b>View</b>
Residential Drywall Applicators						
Residential Electricians	Journey Level	\$78.76	<b>15J</b>	<b>4C</b>		<b>View</b>
Residential Glaziers						
Residential Glaziers	Journey Level	\$81.71	<b>15O</b>	<b>11S</b>		<b>View</b>
Residential Insulation Applicators						
Residential Insulation Applicators	Journey Level	\$48.80		<b>1</b>		<b>View</b>
Residential Glaziers						
Residential Glaziers	Journey Level	\$38.70		<b>1</b>		<b>View</b>
Residential Insulation Applicators						
Residential Insulation Applicators	Journey Level	\$70.54		<b>1</b>		<b>View</b>

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Residential Laborers	Journey Level	\$29.73	<b>1</b>	<b>View</b>	
Residential Marble Setters	Journey Level	\$27.38	<b>1</b>	<b>View</b>	
Residential Painters	Journey Level	\$33.77	<b>1</b>	<b>View</b>	
Residential Plumbers & Pipefitters	Journey Level	\$61.87	<b>1</b>	<b>View</b>	
Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$105.42	<b>7F</b>	<b>1E</b>	<b>View</b>
Residential Sheet Metal Workers	Journey Level	\$105.42	<b>7F</b>	<b>1E</b>	<b>View</b>
Residential Soft Floor Layers	Journey Level	\$49.91	<b>15J</b>	<b>4C</b>	<b>View</b>
Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$63.61	<b>1</b>	<b>View</b>	
Residential Stone Masons	Journey Level	\$76.07	<b>7E</b>	<b>1N</b>	<b>View</b>
Residential Terrazzo Workers	Journey Level	\$70.61	<b>7E</b>	<b>1N</b>	<b>View</b>
Residential Terrazzo/Tile Finishers	Journey Level	\$24.39	<b>1</b>	<b>View</b>	
Residential Tile Setters	Journey Level	\$21.04	<b>1</b>	<b>View</b>	
Roofers	Journey Level	\$67.45	<b>5A</b>	<b>3H</b>	<b>View</b>
Roofers	Using Irritable Bituminous Materials	\$70.45	<b>5A</b>	<b>3H</b>	<b>View</b>
Sheet Metal Workers	Journey Level (Field or Shop)	\$105.42	<b>7F</b>	<b>1E</b>	<b>View</b>

Shipbuilding & Ship Repair	New Construction Boilermaker	\$61.07	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Carpenter	\$51.85	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Crane Operator	\$44.29	<b>7V</b>	<b>1</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Electrician	\$61.12	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	\$96.42	<b>15H</b>	<b>11C</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Laborer	\$60.73	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Machinist	\$60.93	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Operating Engineer	\$44.29	<b>7V</b>	<b>1</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Painter	\$60.93	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Pipefitter	\$61.21	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Rigger	\$61.07	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Sheet Metal	\$60.94	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Shipwright	\$51.85	<b>7X</b>	<b>4J</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	\$44.29	<b>7V</b>	<b>1</b>	<b>View</b>
Shipbuilding & Ship Repair	New Construction Welder / Burner	\$61.07	<b>7X</b>	<b>4J</b>	<b>View</b>

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Shipbuilding & Ship Repair	Ship Repair Boilermaker	\$61.07	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Carpenter	\$51.85	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Crane Operator	\$45.06	<b>7Y</b>	<b>4K</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Electrician	\$61.12	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	\$96.42	<b>15H</b>	<b>11C</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Laborer	\$60.73	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Machinist	\$60.93	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Operating Engineer	\$45.06	<b>7Y</b>	<b>4K</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Painter	\$60.93	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Pipefitter	\$61.21	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Rigger	\$61.07	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Sheet Metal	\$60.94	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Shipwright	\$51.85	<b>7X</b>	<b>4J</b>	<a href="#">View</a>
Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	\$45.06	<b>7Y</b>	<b>4K</b>	<a href="#">View</a>
Sign Makers & Installers (Electrical)	Journey Level	\$60.46	<b>0</b>	<b>1</b>	<a href="#">View</a>
Sign Makers & Installers (Non-Electrical)	Journey Level	\$38.53	<b>0</b>	<b>1</b>	<a href="#">View</a>
Soft Floor Layers	Journey Level	\$63.29	<b>15J</b>	<b>4C</b>	<a href="#">View</a>

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Solar Controls For Windows	Journey Level	\$17.13	<b>1</b>	<b>View</b>		
Sprinkler Fitters (Fire Protection)	Journey Level	\$103.19	<b>5C</b>	<b>1X</b>	<b>View</b>	
Stage Rigging Mechanics (Non Structural)	Journey Level	\$17.13	<b>1</b>	<b>View</b>		
Stone Masons	Journey Level	\$76.07	<b>7E</b>	<b>1N</b>	<b>View</b>	
Street And Parking Lot Sweeper Workers	Journey Level	\$19.09	<b>1</b>	<b>View</b>		
Surveyors	Assistant Construction Site Surveyor	\$90.55	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>
Surveyors	Chainman	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>
Surveyors	Construction Site Surveyor	\$91.73	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>
Surveyors	Drone Operator (when used in conjunction with survey work only)	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>
Surveyors	Ground Penetrating Radar Operator	\$86.60	<b>7A</b>	<b>11H</b>	<b>8X</b>	<b>View</b>
Telecommunication Technicians	Journey Level	\$71.19	<b>7E</b>	<b>1E</b>	<b>View</b>	
Telephone Line Construction - Outside	Cable Splicer	\$42.62	<b>5A</b>	<b>2B</b>	<b>View</b>	
Telephone Line Construction - Outside	Hole Digger/Ground Person	\$27.97	<b>5A</b>	<b>2B</b>	<b>View</b>	
Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$35.60	<b>5A</b>	<b>2B</b>	<b>View</b>	

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Telephone Line Construction - Outside	Telephone Lineperson	\$40.28	<b>5A</b>	<b>2B</b>	<a href="#">View</a>
Terrazzo Workers	Journey Level	\$70.61	<b>7E</b>	<b>1N</b>	<a href="#">View</a>
Tile Setters	Journey Level	\$68.61	<b>7E</b>	<b>1N</b>	<a href="#">View</a>
Tile, Marble & Terrazzo Finishers	Finisher	\$59.44	<b>7E</b>	<b>1N</b>	<a href="#">View</a>
Traffic Control Stripers	All cleanup required in connection with traffic control stripers work  (Group 1)	\$95.41	<b>15L</b>	<b>1K</b>	<a href="#">View</a>
Traffic Control Stripers	Handling, painting and installing of all car stops, stop signs and any other type sign (Group 2)	\$62.69	<b>15L</b>	<b>1K</b>	<a href="#">View</a>
Traffic Control Stripers	Installation of guard rail and posts and similar protective devices (Group 2)	\$62.69	<b>15L</b>	<b>1K</b>	<a href="#">View</a>
Traffic Control Stripers	Installation of parking gates, ticket spitters and other mechanical and automatic control devices  (Group 2)	\$62.69	<b>15L</b>	<b>1K</b>	<a href="#">View</a>
Traffic Control Stripers	Installation of plastic metal or composition button, or lines used  instead of paint (Group 1)	\$95.41	<b>15L</b>	<b>1K</b>	<a href="#">View</a>
Traffic Control Stripers	Line removal; chemical sand and hydro-blast, paint and button (Group 1)	\$95.41	<b>15L</b>	<b>1K</b>	<a href="#">View</a>

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Traffic Control Stripers	Manufacturing and installation of all car stops and control devices and similar traffic regulators (Group 2)	\$62.69	<b>15L</b>	<b>1K</b>	<a href="#">View</a>	
Traffic Control Stripers	Manufacturing, painting, stenciling, servicing, repairing, placing and removal of traffic safety and control devices/barricades (Group 2)	\$62.69	<b>15L</b>	<b>1K</b>	<a href="#">View</a>	
Traffic Control Stripers	Painting and installing lines, arrows, bumpers, curbs, etc., on parking lots, air fields, highways, game courts (Group 1)	\$95.41	<b>15L</b>	<b>1K</b>	<a href="#">View</a>	
Traffic Control Stripers	Preparation and maintenance of all surfaces (Group 1)	\$95.41	<b>15L</b>	<b>1K</b>	<a href="#">View</a>	
Traffic Control Stripers	Seal coating, slurry coating and other surface protection (Group 2)	\$62.69	<b>15L</b>	<b>1K</b>	<a href="#">View</a>	
Truck Drivers	Asphalt Mix Over 16 Yards	\$82.95	<b>15J</b>	<b>11M</b>	<b>8L</b>	<a href="#">View</a>
Truck Drivers	Asphalt Mix To 16 Yards	\$82.11	<b>15J</b>	<b>11M</b>	<b>8L</b>	<a href="#">View</a>
Truck Drivers	Dump Truck	\$82.11	<b>15J</b>	<b>11M</b>	<b>8L</b>	<a href="#">View</a>
Truck Drivers	Dump Truck & Trailer	\$82.95	<b>15J</b>	<b>11M</b>	<b>8L</b>	<a href="#">View</a>
Truck Drivers	Other Trucks	\$82.95	<b>15J</b>	<b>11M</b>	<b>8L</b>	<a href="#">View</a>

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Truck Drivers - Ready Mix	Transit Mix	\$82.95	<b>15J</b>	<b>11M</b>	<b>8L</b>	<b>View</b>
Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$17.71		<b>1</b>		<b>View</b>
Well Drillers & Irrigation Pump Installers	Oiler	\$17.13		<b>1</b>		<b>View</b>
Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		<b>1</b>		<b>View</b>