# Contract Provisions and Plans

# 2019 HAUL OUT AND MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1

**Bid Opening: October 8, 2018** 

SKAGIT COUNTY PUBLIC WORKS



# 2019 Haul-Out and Maintenance of the Vehicle and Passenger Ferry M/V GUEMES

This Contract provides for the haul-out and maintenance of the Vehicle and Passenger Ferry M/V GUEMES. All work shall be performed in accordance with the attached Contract Plans, these Contract Provisions, and the 2018 Standard Specifications.

- Schedule: This project is to be completed within twenty-eight (28) calendar days from Notice to Proceed.
- Measurement & Payment: Each item will be per the bid proposal.
- **Project Site:** Contractor's shipyard and dry dock facility shall be located within the inland waters of the state of Washington and within 90 nautical miles from Anacortes, Washington.



### 2019 HAUL OUT AND MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1

Bid Opening: Monday, October 8, 2018, 1:00 p.m.

### SKAGIT COUNTY DEPARTMENT OF PUBLIC WORKS MOUNT VERNON, WASHINGTON 98273-5625

### NOTICE TO ALL PLAN HOLDERS

Copies of the Plans and specifications are available at Skagit County Public Works, 1800 Continental Place, Mount Vernon, Washington 98273-5625. Telephone: (360) 416-1400. You may receive the bid information electronically; copies of the plans and specifications are available at: <u>http://www.skagitcounty.net/rfp.</u>

APPROVED:

Paul A. Randall-Grutter, P.E. County Engineer

SPECIFICATIONS APPROVED:

BOARD OF COUNTY COMMISSIONERS SKAGIT COUNTY, WASHINGTON

enneth A. Dahlstedt, Chair

Lisa Janicki, Commissioner

Ron Wesen, Commissioner

### 2019 HAUL OUT AND MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1

### **CERTIFICATION**

I hereby certify that these contract documents were reviewed/prepared by me or under my direct supervision, and that I am a duly registered Professional Engineer under the laws of the State of Washington.



### NOTICE OF CALL FOR BIDS

NOTICE IS HEREBY GIVEN BY SKAGIT COUNTY that sealed bids will be received and publicly opened in the Commissioners' Hearing Room, 1800 Continental Place, Mount Vernon, WA 98273, on **Monday, October 8, 2018; at the hour of 1:00 p.m.,** or as soon thereafter as possible, for the following work for Skagit County:

## PROJECT TITLE: 2019 HAUL-OUT AND MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES, PROJECT #FEHO19-1

#### **BID DOCUMENTS**

Information, copies of bid documents, and addenda for this project will be available on-line beginning **September 12, 2018**, at http://www.skagitcounty.net/rfp or obtained at Skagit County Public Works Department, 1800 Continental Place, Mount Vernon, Washington; (360) 416-1400. The bid documents include a CD with drawings and a list of tags. If you download the bid information electronically and would like to receive a copy of the CD, please email Rachel Rowe, Ferry Operations Division Manager, at <u>rrowe@co.skagit.wa.us</u>. Contractors who download plans and specifications are advised to e-mail <u>pw@co.skagit.wa.us</u> to be added to plan holders list to receive any addenda that may be issued.

All bid envelopes must be clearly marked on the outside, "Sealed Bid 2019 Haul-out and Maintenance for the Vehicle and Passenger Ferry M/V Guemes". Sealed bids shall be received by one of the following delivery methods before Monday, October 8, 2018; at the hour of 1:00 p.m. Proposals are to be submitted on the forms provided in the Bid Proposal Packet. Incomplete proposals and proposals received after the time fixed for the opening cannot be considered. Oral, telephonic, telegraphic, electronic or faxed proposals will not be accepted. All bidding shall be based upon compliance with the Contract Provisions and Plans.

- Hand-delivered: Bids delivered in person shall be received only at the office of the SKAGIT COUNTY COMMISSIONERS, Reception Desk, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273.
- Vernon, VVA 98273.
- 2. Via mail: Bids shall be mailed to the SKAGIT COUNTY COMMISSIONERS, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273.

#### TIME PERIOD FOR HAUL-OUT AND MAINTENANCE

The performance period for the haul-out and maintenance shall be 21 calendar days, and work can start as early as February 1, 2019. The vessel's Coast Guard Inspection must take place no later than March 20, 2019. The vessel must be back in operation on, or before, April 1, 2019. Time starts at 7:00 a.m. the day after the vessel is delivered to the Contractor's facility and this shall be considered day one (1). The vessel shall depart the Contractor's facility no later than 8:00 a.m. on the last contracted date, unless otherwise authorized by the Ferry Operations Division Manager.

Contractor must specify preferred haul-out dates on the bid proposal. If Contractor's available dates are fewer than 21 calendar days, Skagit County will accept proposals for up to 21 days, provided the Contractor can complete all work items in their proposed time frame.

By signing the bid proposal, the Contractor is agreeing to reserve space in the Contractor's dry dock for the M/V Guemes for the available dates listed by the Contractor. Skagit County shall reserve the right to choose a haul-out schedule based on preferred dates, shipyard availability and operational needs and considerations. Upon execution of a bid award resolution, Skagit County will contact the lowest, responsible, responsive bidder to confirm the haul-out schedule.

#### **PRE-BID MEETING & SHIP CHECK**

The pre-bid meeting and ship check is highly recommended for all Bidders. The pre-bid meeting and ship check will be held Wednesday, September 20, 2018 promptly at 11:45 a.m. to 12:45 p.m. at the Anacortes ferry terminal located at 500 I Avenue, Anacortes, WA 98221. All questions must be submitted in writing no later than Friday, September 21, 2018 at 4:30 p.m. to Rachel Rowe, Ferry Operations Division Manager at: 1800 Continental Place, Mount Vernon, WA, 98273, or at rrowe@co.skagit.wa.us. All addenda will be issued by Tuesday, September 25, 2018 no later than 4:30 p.m. Questions submitted after 4:30 p.m. Tuesday, September 25, 2018 will not be considered, no answers will be provided, and no addenda will be issued.

### PUBLIC WORKS PROJECT

Maintenance performed by a Contractor on a County-owned ferry is considered a public works project as defined in RCW 39.04, and therefore, Washington State Prevailing Wage Rates apply to this Contract and Bidders are advised to consider this charge when tabulating bids.

#### **BIDDER RESPONSIBILITY:**

It is the intent of Skagit County to award a Contract to the low responsive and responsible bidder. Before award, the bidder must meet the following bidder responsibility criteria to be considered a responsible bidder. The bidder shall be required by Skagit County to submit documentation demonstrating compliance with all bidder responsibility criteria. Mandatory bidder responsibility criteria include: The bidder must 1) have a current certificate of registration as a Contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal; 2) have a current Washington Unified Business Identifier (UBI) number; 3) have Industrial Insurance (workers' compensation) coverage for the bidder's employees working in Washington, as required in Title 51 RCW; 4) have a Washington Employment Security Department number (ESD), as required in Title 50 RCW and provide documentation from ESD to Skagit County; 5) have a Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW; and 6) Not be disqualified from bidding on any public works Contract under RCW 39.06.010 or 39.12.065(3).

#### INSURANCE

Commercial General Liability Insurance, Business Automobile Liability Insurance, Industrial Insurance (Workers' Compensation) and USL&H Insurance (a/k/a "Long shore Harbor Worker's Compensation Act/Jones Act) are a requirement of this project.

### **BID GUARANTY**

No bid will be considered unless accompanied by a surety company bid bond, or a certified or cashier's check payable to the order of Skagit County for a sum not less than five percent (5%) of the total amount of the bid. A Contract Bond covering performance and payment will be required with the Contract.

Skagit County reserves the right to reject any or all bids, and the right to waive any informalities or irregularities in any bid or in any bidding and to further award the Project to the lowest, responsive, responsible bidder whose bid complies with all of the prescribed formalities, as it best serves the interest of Skagit County. After the date and hour set for the opening of bids, no bidder may withdraw its bid unless the award of the Contract is delayed for a period exceeding sixty (60) calendar days following bid opening. All Bidders agree to be bound by their bids until the expiration of this stated time period.

Skagit County in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-Assisted Programs of the Department of Transportation issued pursuant to such Act, hereby notifies all Bidders that it will affirmatively ensure that in any Contract entered into pursuant to this advertisement, disadvantaged business enterprises as

defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

For questions regarding Skagit County's Title VI Program, you may contact the Public Works Department's Title VI Liaison, Keith M. Elefson, P.E., , at (360) 416-1400

The Board of Skagit County Commissioners reserves the right to reject any or all bids.

NOTICE GIVEN BY ORDER OF THE BOARD OF SKAGIT COUNTY COMMISSIONERS this \_/D day of <u>Suptember</u>, 2018.

Amber Enps

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F

#### 1 INTRODUCTION

2 The following Amendments and Special Provisions shall be used in conjunction with the 3 2018 Standard Specifications for Road, Bridge, and Municipal Construction.

4 5

6

### AMENDMENTS TO THE STANDARD SPECIFICATIONS

7 The following Amendments to the Standard Specifications are made a part of this contract 8 and supersede any conflicting provisions of the Standard Specifications. For informational 9 purposes, the date following each Amendment title indicates the implementation date of the 10 Amendment or the latest date of revision.

11

12 Each Amendment contains all current revisions to the applicable section of the Standard 13 Specifications and may include references which do not apply to this particular project.

14

#### 15 Section 1-01, Definitions and Terms

16 August 6, 2018

#### 1-01.3 Definitions 17

18 The following new term and definition is inserted before the definition for "Shoulder":

- 19 20
- Sensitive Area Natural features, which may be previously altered by human activity, 21 that are present on or adjacent to the project location and protected, managed, or regulated by local, tribal, state, or federal agencies.
- 22 23

The following new term and definition is inserted after the definition for "Working Drawings":

24 25 26

27

**WSDOT Form** – Forms developed and maintained by WSDOT that are required or available for use on a project. These forms can be downloaded from the forms catalogue at:

- 28 29
- http://wsdot.wa.gov/forms/pdfForms.html
- 30 31

#### 32 Section 1-02, Bid Procedures and Conditions

33 April 2, 2018

#### 1-02.4(1) General 34

35 This section is supplemented with the following:

36

Prospective Bidders are advised that the Contracting Agency may include a partially 37 38 completed Washington State Department of Ecology (Ecology) Transfer of Coverage 39 (Ecology Form ECY 020-87a) for the Construction Stormwater General Permit 40 (CSWGP) as part of the Bid Documents. When the Contracting Agency requires the 41 transfer of coverage of the CSWGP to the Contractor, an informational copy of the 42 Transfer of Coverage and the associated CSWGP will be included in the appendices. 43 As a condition of Section 1-03.3, the Contractor is required to complete sections I, III, 44 and VIII of the Transfer of Coverage and return the form to the Contracting Agency.

45

46 The Contracting Agency is responsible for compliance with the CSWGP until the end of 47 day that the Contract is executed. Beginning on the day after the Contract is executed,

48 the Contractor shall assume complete legal responsibility for compliance with the

1 CSWGP and full implementation of all conditions of the CSWGP as they apply to the 2 Contract Work. 3 4 1-02.5 Proposal Forms 5 The first sentence of the first paragraph is revised to read: 6 7 At the request of a Bidder, the Contracting Agency will provide a physical Proposal Form 8 for any project on which the Bidder is eligible to Bid. 9 10 1-02.6 Preparation of Proposal 11 Item number 1 of the second paragraph is revised to read: 12 13 1. A unit price for each item (omitting digits more than two places to the right of the decimal point), 14 15 16 In the third sentence of the fourth paragraph, "WSDOT Form 422-031" is revised to read 17 "WSDOT Form 422-031U". 18 19 The following is inserted after the third sentence of the fourth paragraph: 20 21 Bidders shall submit a UDBE Broker Agreement documenting the fees or commissions 22 charged by the Broker for any Broker listed on the UDBE Utilization Certification in 23 accordance with the Special Provisions. Bidders shall submit a completed UDBE 24 Trucking Credit Form for each UDBE Trucking firm listed on the UDBE Utilization 25 Certification in accordance with the Special Provisions. WSDOT Form 272-058 is 26 available for this purpose. 27 28 The following new paragraph is inserted before the last paragraph: 29 30 The Bidder shall submit with their Bid a completed Contractor Certification Wage Law 31 Compliance form (WSDOT Form 272-009). Failure to return this certification as part of 32 the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A 33 Contractor Certification of Wage Law Compliance form is included in the Proposal 34 Forms. 35 36 1-02.13 Irregular Proposals 37 Item 1(h) is revised to read: 38 39 The Bidder fails to submit Underutilized Disadvantaged Business Enterprise Good h. 40 Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the 41 documentation that is submitted fails to demonstrate that a Good Faith Effort to 42 meet the Condition of Award was made; 43 44 Item 1(i) is revised to read the following three items: 45 46 i. The Bidder fails to submit an Underutilized Disadvantaged Business Enterprise 47 Trucking Credit Form, if applicable, as required in Section 1-02.6, or if the Form that 48 is submitted fails to meet the requirements of the Special Provisions; 49 50 j. The Bidder fails to submit an Underutilized Disadvantaged Business Enterprise 51 Broker Agreement, if applicable, as required in Section 1-02.6, or if the

- documentation that is submitted fails to demonstrate that the fee/commission is reasonable as determined by the Contracting Agency; or
  - k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.
- 7 Section 1-03, Award and Execution of Contract
- 8 January 2, 2018

### 9 **1-03.3 Execution of Contract**

- 10 The first paragraph is revised to read:
- 11

1

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3 4

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Within 20 calendar days after the Award date, the successful Bidder shall return the signed Contracting Agency-prepared Contract, an insurance certification as required by Section 1-07.18, a satisfactory bond as required by law and Section 1-03.4, the Transfer of Coverage form for the Construction Stormwater General Permit with sections I, III, and VIII completed when provided, and shall be registered as a contractor in the state of Washington.

18

### 19 **1-03.5 Failure to Execute Contract**

20 The first sentence is revised to read:

21

Failure to return the insurance certification and bond with the signed Contract as required in Section 1-03.3, or failure to provide Disadvantaged, Minority or Women's Business Enterprise information if required in the Contract, or failure or refusal to sign the Contract, or failure to register as a contractor in the state of Washington, or failure to return the completed Transfer of Coverage for the Construction Stormwater General Permit to the Contracting Agency when provided shall result in forfeiture of the proposal bond or deposit of this Bidder.

29

### 30 Section 1-05, Control of Work

### 31 August 6, 2018

### 32 1-05.5 Vacant

This section, including title, is revised to read:

### 1-05.5 Tolerances

36 Geometrical tolerances shall be measured from the points, lines, and surfaces defined 37 in Contract documents.

38

35

A plus (+) tolerance increases the amount or dimension to which it applies, or raises a deviation from level. A minus (-) tolerance decreases the amount or dimension to which it applies, or lowers a deviation from level. Where only one signed tolerance is specified (+ or -), there is no specified tolerance in the opposing direction.

- 43
   44 Tolerances shall not be cumulative. The most restrictive tolerance shall control.
- 45
- 46 Tolerances shall not extend the Work beyond the Right of Way or other legal boundaries
- 47 identified in the Contract documents. If application of tolerances causes the extension of
- 48 the Work beyond the Right of Way or legal boundaries, the tolerance shall be reduced 49 for that specific instance.
  - 2019 HAUL OUT & MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1 AMENDMENTS TO THE STANDARD SPECIFICATIONS AUGUST, 2018

- 1 2 Tolerances shall not violate other Contract requirements. If application of tolerances 3 causes the Work to violate other Contract requirements, the tolerance shall be reduced 4 for that specific instance. If application of tolerances causes conflicts with other 5 components or aspects of the Work, the tolerance shall be reduced for that specific 6 instance.
- 7

#### 8 1-05.9 Equipment

- 9 The following new paragraph is inserted before the first paragraph:
- 10
- 11 Prior to mobilizing equipment on site, the Contractor shall thoroughly remove all loose 12 dirt and vegetative debris from drive mechanisms, wheels, tires, tracks, buckets and
- 13 undercarriage. The Engineer will reject equipment from the site until it returns clean.
- 14
- 15 This section is supplemented with the following:
- 16
- 17 Upon completion of the Work, the Contractor shall completely remove all loose dirt and 18 vegetative debris from equipment before removing it from the job site.
- 19

#### 20 Section 1-06, Control of Material

21 January 2, 2018

#### 22 1-06.1(3) Aggregate Source Approval (ASA) Database

- 23 This section is supplemented with the following:
- 24
- 25 Regardless of status of the source, whether listed or not listed in the ASA database the 26 source owner may be asked to provide testing results for toxicity in accordance with 27 Section 9-03.21(1).
- 28

#### 29 1-06.2(2)D Quality Level Analysis

- 30 This section is supplemented with the following new subsection:
- 31 32

### 1-06.2(2)D5 Quality Level Calculation – HMA Compaction

- 33 The procedures for determining the quality level and pay factor for HMA compaction are 34 as follows:
  - Determine the arithmetic mean, X<sub>m</sub>, for compaction of the lot: 1.

36 37 38

39

35

 $X_m = \frac{\sum x}{n}$ 

40 Where:

- 41 individual compaction test values for each sublot in the lot. x = 42 summation of individual compaction test values Σx = 43 n = total number test values 44
- 45
- Compute the sample standard deviation, "S", for each constituent: 2.
- 46

1			$S = \left[\frac{n\sum x^2 - \left(\sum x\right)^2}{n(n-1)}\right]^{\frac{1}{2}}$
2			
3			Where:
4			$\sum x^2$ = summation of the squares of individual compaction test values
5 6			$(\sum x)^2 = summation of the individual compaction test values squared$
7		z	Compute the lower quality index $(\Omega_{1})$ :
8	· · · ·	0.	
Ũ			X - LSL
9			$Q_L = \frac{m_m \Delta S \Delta}{S}$
10			5
11			Where:
12			LSL = 91.5
13			
14	2	4.	Determine $P_L$ (the percent within the lower Specification limit which
15			corresponds to a given $Q_L$ ) from Table 1. For negative values of $Q_L$ , $P_L$ is equal
16			to 100 minus the table $P_L$ . If the value of $Q_L$ does not correspond exactly to a
1/			figure in the table, use the next higher value.
10	r.	5	Determine the quality level (the total percent within Specification limits):
20	· · ·	0.	
21			Quality Level = P
22			, _
23	6	6.	Using the quality level from step 5, determine the composite pay factor (CPF)
24			from Table 2.
25	-	-	If the ODE determined from etc. C is 1.00 or prestory use that ODE for the
20 27		1.	in the CPF determined from step 6 is 1.00 or greater. use that CPF for the
21			91.5 shall be 1.05
29			
30	8	8.	If the CPF from step 6 is not 1.00 or greater: repeat steps 3 through 6 using an
31			LSL = 91.0. The value thus determined shall be the HMA compaction CPF for
32			that lot; however, the maximum HMA compaction CPF using an LSL = 91.00
33			shall be 1.00.
34	4 00 0(0)		
35	1-06.2(2)	)D4	Quality Level Calculation
30 37	rne lirst p	Jara	graph (excluding the numbered list) is revised to read.
38	The	nro	cedures for determining the quality level and pay factors for a material other
39	than	HM	A compaction, are as follows:
40			
41	Section	1-0	7, Legal Relations and Responsibilities to the Public
42	August 6	6, 2	018
40	1075 5	- mark	ironmontal Pagulations
43 1/	This sactive	IIV	s supplemented with the following new subsections:
45	1113 3501		a suppremented with the following new subsections.
10			

2019 HAUL OUT & MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1 AMENDMENTS TO THE STANDARD SPECIFICATIONS AUGUST, 2018

1 2 3	<b>1-07.5(</b> When te the affect	<b>5) U.S. Army Corps of Engineers</b> Emporary fills are permitted, the Contractor shall remove fills in their entirety and sted areas returned to pre-construction elevations.	
5 6 7 8 9 10 11	If a U.S Provision the case Contract involved the U.S.	Army Corps of Engineers permit is noted in Section 1-07.6 of the Special ns, the Contractor shall retain a copy of the permit or the verification letter (in e of a Nationwide Permit) on the worksite for the life of the Contract. The tor shall provide copies of the permit or verification letter to all subcontractors with the authorized work prior to their commencement of any work in waters of	
12 13 14 15 16 17	<b>1-07.5(</b> The Cor dictates. Contract a flowing	6) U.S. Fish/Wildlife Services and National Marine Fisheries Service htracting Agency will provide fish exclusion and handling services if the Work However, if the Contractor discovers any fish stranded by the project and a ting Agency biologist is not available, they shall immediately release the fish into g stream or open water.	
18	1-07.5(1) G	ieneral	
19 20	The first sent	ence is deleted and replaced with the following:	
20 21 22 23	No Worl authorize	k shall occur within areas under the jurisdiction of resource agencies unless ed in the Contract.	
24 25	The third par	agraph is deleted.	
25 26 27	<ul> <li>1-07.5(2) State Department of Fish and Wildlife</li> <li>This section is revised to read:</li> </ul>		
28 29 20	In doing	the Work, the Contractor shall:	
30 31 32	1.	Not degrade water in a way that would harm fish, wildlife, or their habitat.	
33 34 25	2.	Not place materials below or remove them from the ordinary high water line except as may be specified in the Contract.	
36 37 38	3.	Not allow equipment to enter waters of the State except as specified in the Contract.	
39 40	4.	Revegetate in accordance with the Plans, unless the Special Provisions permit otherwise.	
41 42 43	5.	Prevent any fish-threatening silt buildup on the bed or bottom of any body of water.	
45 46	6.	Ensure continuous stream flow downstream of the Work area.	
40 47 48 49	7.	Dispose of any project debris by removal, burning, or placement above high- water flows.	

1 8. Immediately notify the Engineer and stop all work causing impacts, if at any 2 time, as a result of project activities, fish are observed in distress or a fish kill 3 occurs. 4 5 If the Work in (1) through (3) above differs little from what the Contract requires, the 6 Contracting Agency will measure and pay for it at unit Contract prices. But if Contract 7 items do not cover those areas, the Contracting Agency will pay pursuant to Section 1-8 09.4. Work in (4) through (8) above shall be incidental to Contract pay items. 9 10 1-07.5(3) State Department of Ecology This section is revised to read: 11 12 13 In doing the Work, the Contractor shall: 14 15 1. Comply with Washington State Water Quality Standards. 16 17 2. Perform Work in such a manner that all materials and substances not 18 specifically identified in the Contract documents to be placed in the water do 19 not enter waters of the State, including wetlands. These include, but are not 20 limited to, petroleum products, hydraulic fluid, fresh concrete, concrete 21 wastewater, process wastewater, slurry materials and waste from shaft drilling, 22 sediments, sediment-laden water, chemicals, paint, solvents, or other toxic or 23 deleterious materials. 24 25 3. Use equipment that is free of external petroleum-based products. 26 27 Remove accumulations of soil and debris from drive mechanisms (wheels, 4. 28 tracks, tires) and undercarriage of equipment prior to using equipment below 29 the ordinary high water line. 30 31 Clean loose dirt and debris from all materials placed below the ordinary high 5. 32 water line. No materials shall be placed below the ordinary high water line 33 without the Engineer's concurrence. 34 35 When a violation of the Construction Stormwater General Permit (CSWGP) 6. 36 occurs, immediately notify the Engineer and fill out WSDOT Form 422-011, 37 Contractor ECAP Report, and submit the form to the Engineer within 48 hours 38 of the violation. 39 40 7. Once Physical Completion has been given, prepare a Notice of Termination 41 (Ecology Form ECY 020-87) and submit the Notice of Termination 42 electronically to the Engineer in a PDF format a minimum of 7 calendar days 43 prior to submitting the Notice of Termination to Ecology. 44 45 Transfer the CSWGP coverage to the Contracting Agency when Physical 8. 46 Completion has been given and the Engineer has determined that the project 47 site is not stabilized from erosion. 48 49 9. Submit copies of all correspondence with Ecology electronically to the 50 Engineer in a PDF format within four calendar days. 51

- 1 **1-07.5(4)** Air Quality
- 2 This section is revised to read:
- 3 4

5

- The Contractor shall comply with all regional clean air authority and/or State Department of Ecology rules and regulations.
- The air quality permit process may include additional State Environment Policy Act
  (SEPA) requirements. Contractors shall contact the appropriate regional air pollution
  control authority well in advance of beginning Work.
- When the Work includes demolition or renovation of any existing facility or structure that
  contains Asbestos Containing Material (ACM) and/or Presumed Asbestos-Containing
  Material (PACM), the Contractor shall comply with the National Emission Standards for
  Hazardous Air Pollutants (NESHAP).
- 15 16
- Any requirements included in Federal and State regulations regarding air quality that
- applies to the "owner or operator" shall be the responsibility of the Contractor.
- 17 18

### 19 **1-07.7(1) General**

20 The first sentence of the third paragraph is revised to read:

21 22

When the Contractor moves equipment or materials on or over Structures, culverts or pipes, the Contractor may operate equipment with only the load-limit restrictions in Section 1-07.7(2).

24 25

23

- 26 The first sentence of the last paragraph is revised to read:
- 27 28

29

Unit prices shall cover all costs for operating over Structures, culverts and pipes.

### 30 1-07.9(1) General

31 The last sentence of the sixth paragraph is revised to read:

32 33

34

35

- Generally, the Contractor initiates the request by preparing standard form 1444 Request for Authorization of Additional Classification and Rate, available at https://www.dol.gov/whd/recovery/dbsurvey/conformance.htm, and submitting it to the Engineer for further action.
- 36 37

### 38 **1-07.9(2)** Posting Notices

The second sentence of the first paragraph (up until the colon) is revised to read:

- The Contractor shall ensure the most current edition of the following are posted:
- 41 42

44

43 In items 1 through 10, the revision dates are deleted.

### 45 1-07.11(2) Contractual Requirements

- 46 In this section, "creed" is revised to read "religion".
- 47
- 48 Item numbers 1 through 9 are revised to read 2 through 10, respectively.
- 49
- 50 After the preceding Amendment is applied, the following new item number 1 is inserted:
- 51

1 1. The Contractor shall maintain a Work site that is free of harassment, humiliation, 2 fear, hostility and intimidation at all times. Behaviors that violate this requirement 3 include but are not limited to: 4 5 Persistent conduct that is offensive and unwelcome. a. 6 7 Conduct that is considered to be hazing. b. 8 9 Jokes about race, gender, or sexuality that are offensive. C. 10 Unwelcome, unwanted, rude or offensive conduct or advances of a sexual 11 d. nature which interferes with a person's ability to perform their job or creates an 12 13 intimidating, hostile, or offensive work environment. 14 15 Language or conduct that is offensive, threatening, intimidating or hostile e. 16 based on race, gender, or sexual orientation. 17 18 f. Repeating rumors about individuals in the Work Site that are considered to be 19 harassing or harmful to the individual's reputation. 20 1-07.11(5) Sanctions 21 22 This section is supplemented with the following: 23 24 Immediately upon the Engineer's request, the Contractor shall remove from the Work 25 site any employee engaging in behaviors that promote harassment, humiliation, fear or 26 intimidation including but not limited to those described in these specifications. 27 28 1-07.11(6) Incorporation of Provisions 29 The first sentence is revised to read: 30 31 The Contractor shall include the provisions of Section 1-07.11(2) Contractual Requirements (1) through (5) and the Section 1-07.11(5) Sanctions in every subcontract 32 33 including procurement of materials and leases of equipment. 34 1-07.15(1) Spill Prevention, Control, and Countermeasures Plan 35 36 The last sentence of the first paragraph is revised to read: 37 38 An SPCC Plan template and guidance information is available at 39 http://www.wsdot.wa.gov/environment/technical/disciplines/hazardous-materials/spill-40 prevent-report. 41 1-07.18 Public Liability and Property Damage Insurance 42 43 Item number 1 is supplemented with the following new sentence: 44 45 This policy shall be kept in force from the execution date of the Contract until the Physical Completion Date. 46 47

### 1 Section 1-08, Prosecution and Progress

### 2 August 6, 2018

### 3 1-08.1 Subcontracting

- 4 The first sentence of the seventh paragraph is revised to read:
- 5 6

7

8

9

10

11

All Work that is not performed by the Contractor will be considered as subcontracting except: purchase of sand, gravel, crushed stone, crushed slag, batched concrete aggregates, ready-mix concrete, off-site fabricated structural steel, other off-site fabricated items, and any other materials supplied by established and recognized commercial plants; or (2) delivery of these materials to the Work site in vehicles owned or operated by such plants or by recognized independent or commercial hauling companies hired by those commercial plants.

12 13

### 14 **1-08.5 Time for Completion**

15 Item number 2 of the sixth paragraph is supplemented with the following:

16 17

18

19

20

21

- 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).
- 22 23

### 24 **1-08.7 Maintenance During Suspension**

- 25 The fifth paragraph is revised to read:
- 26
- The Contractor shall protect and maintain all other Work in areas not used by traffic. All
   costs associated with protecting and maintaining such Work shall be the responsibility of
   the Contractor.
- 30

### 31 Section 1-09, Measurement and Payment

32 August 6, 2018

### 33 **1-09.2(1) General Requirements for Weighing Equipment**

- 34 The last paragraph is supplemented with the following:
- 35

When requested by the Engineer, the Contractor's representative shall collect the tickets throughout the day and provide them to the Engineer's designated receiver, not later than the end of shift, for reconciliation. Tickets for loads not verified as delivered will receive no pay.

40

### 41 **1-09.2(2)** Specific Requirements for Batching Scales

- 42 The last sentence of the first paragraph is revised to read:
- 43
- 44 Batching scales used for concrete or hot mix asphalt shall not be used for batching
- 45 other materials.
- 46

### 47 1-09.10 Payment for Surplus Processed Materials

48 The following sentence is inserted after the first sentence of the second paragraph:

- For Hot Mix Asphalt, the Plan quantity and quantity used will be adjusted for the quantity of Asphalt and quantity of RAP or other materials incorporated into the mix.
- 4 5 Section 2-02, Removal of Structures and Obstructions
- April 2, 2018 6

#### 2-02.3(3) Removal of Pavement, Sidewalks, Curbs, and Gutters 7

8 In item number 3 of the first paragraph, the second sentence is revised to read:

9

1 2

3

- 10 For concrete pavement removal, a second vertical full depth relief saw cut offset 12 to
- 11 18 inches from and parallel to the initial saw cut is also required, unless the Engineer
- 12 allows otherwise.
- 13

#### 14 Section 2-09, Structure Excavation

15 April 2, 2018

#### 16 2-09.2 Materials

17 In the first paragraph, the references to "Portland Cement" and "Aggregates for Portland 18 Cement Concrete" are revised to read:

- 19
- 20 Cement 9-01

21 Fine Aggregate for Concrete 9-03.1(2)

22

#### 23 2-09.3(3)D Shoring and Cofferdams

- 24 The first sentence of the sixth paragraph is revised to read:
- 25 26

Structural shoring and cofferdams shall be designed for conditions stated in this Section 27 using methods shown in Division I Section 5 of the AASHTO Standard Specifications for 28 Highway Bridges Seventeenth Edition - 2002 for allowable stress design, or the AASHTO LRFD Bridge Design Specifications for load and resistance factor design.

29 30

- 31 Section 3-01, Production from Quarry and Pit Sites
- April 2, 2018 32

#### 33 3-01.1 Description

- 34 The first paragraph is revised to read:
- 35

36 This Work shall consist of manufacturing and producing crushed and screened 37 aggregates including pit run aggregates of the kind, guality, and grading specified for 38 use in the construction of concrete, hot mix asphalt, crushed surfacing, maintenance 39 rock, ballast, gravel base, gravel backfill, gravel borrow, riprap, and bituminous surface 40 treatments of all descriptions.

41

#### 42 Section 4-04, Ballast and Crushed Surfacing

April 2, 2018 43

#### 44 4-04.3(5) Shaping and Compaction

- 45 This section is supplemented with the following new paragraph:
- 46

When using 100% Recycled Concrete Aggregate, the Contractor may submit a written 2 request to use a test point evaluation for compaction acceptance testing in lieu of 3 compacting to 95% of the standard density as determined by the requirements of 4 Section 2-03.3(14)D. The test point evaluation shall be performed in accordance with SOP 738.

5 6

1

- 7 Section 5-01, Cement Concrete Pavement Rehabilitation
- August 6, 2018 8

#### 9 5-01.2 Materials

10 The section reference for Concrete Patching Material is revised to read "9-20.1".

11

#### 12 5-01.3(1)A1 Concrete Patching Materials

13 In this section, each reference to "9-20" is revised to read "9-20.1".

#### 14 15 5-01.3(4) Replace Cement Concrete Panel

- 16 The last sentence of the fourth to last paragraph is revised to read:
- 17
- 18 If the replacement panel is located in an area that will be ground as part of concrete 19 pavement grinding in accordance with Section 5-01.3(9), the surface smoothness shall 20 be measured, by the Contractor, in conjunction with the smoothness measurement done
- 21 in accordance with Section 5-01.3(10).
- 22

#### 23 Section 5-04, Hot Mix Asphalt

24 April 2, 2018

#### 25 5-04.1 Description

- 26 The last sentence of the first paragraph is revised to read:
- 27 28

29

The manufacture of HMA may include additives or processes that reduce the optimum mixing temperature (Warm Mix Asphalt) or serve as a compaction aid in accordance with these Specifications.

30 31

#### 32 5-04.2 Materials

33 The reference to "Warm Mix Asphalt Additive" is revised to read "HMA Additive". 34

#### 35 5-04.2(1) How to Get an HMA Mix Design on the QPL

- 36 The last bullet in the first paragraph is revised to read: 37
  - Do not include HMA additives that reduce the optimum mixing temperature or serve • as a compaction aid when developing a mix design or submitting a mix design for QPL evaluation. The use of HMA additives is not part of the process for obtaining approval for listing a mix design on the QPL. Refer to Section 5-04.2(2)B.
- 41 42

38

39

40

43 In the table, "WSDOT Standard Practice QC-8" is revised to read "WSDOT Standard 44 Practice QC-8 located in the WSDOT Materials Manual M 46-01".

45

#### 5-04.2(1)C Mix Design Resubmittal for QPL Approval 46

- 47 Item number 3 of the first paragraph is revised to read:
- 48

1 3. Changes in modifiers used in the asphalt binder.

### 3 5-04.2(2)B Using Warm Mix Asphalt Processes

4 This section, including title, is revised to read: 5

### 5-04.2(2)B Using HMA Additives

The Contractor may, at the Contractor's discretion, 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 in accordance with Section 5-04.3(6) in the production of High RAP/Any RAS mixtures.
  - Before using additives, obtain the Engineer's approval using WSDOT Form 350-076 to describe the proposed additive and process.

### 18 **5-04.3(3)A Mixing Plant**

19 In item number 5 of the first paragraph, "WSDOT T 168" is revised to read "FOP for AASHTO 20 T 168".

21

6

7

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9

10 11 12

13 14

15

16 17

### 22 **5-04.3(4)** Preparation of Existing Paved Surfaces

23 The first sentence of the fourth paragraph is revised to read:

- 24 25
- Unless otherwise allowed by the Engineer, use cationic emulsified asphalt CSS-1, CSS-1h, or Performance Graded (PG) asphalt for tack coat.
- 26 27

### 28 **5-04.3(6)** Mixing

29 The first paragraph is revised to read:

- 30
- The asphalt supplier shall introduce recycling agent and anti-stripping additive, in the amount designated on the QPL for the mix design, into the asphalt binder prior to shipment to the asphalt mixing plant.
- 34
- 35 The seventh paragraph is revised to read:
- 36

Upon discharge from the mixer, ensure that the temperature of the HMA does not exceed the optimum mixing temperature shown on the accepted Mix Design Report by more than 25°F, or as allowed by the Engineer. When an additive is included in the manufacture of HMA, do not heat the additive (at any stage of production including in binder storage tanks) to a temperature higher than the maximum recommended by the manufacturer of the additive.

43

### 44 **5-04.3(7)** Spreading and Finishing

45 The last row of the table is revised to read:

46

3% inch	0.25 feet	0.30 feet

47

### 48 **5-04.3(8)** Aggregate Acceptance Prior to Incorporation in HMA

49 The following new paragraph is inserted after the first paragraph:

2 The Contracting Agency's combined aggregate bulk specific gravity (Gsb) blend as 3 shown on the HMA Mix Design will be used for VMA calculations until the Contractor 4 submits a written request for a Gsb test. The new Gsb will be used in the VMA 5 calculations for HMA from the date the Engineer receives the written request for a Gsb 6 retest. The Contractor may request aggregate specific gravity (Gsb) testing be 7 performed by the Contracting Agency twice per project. The Gsb blend of the combined 8 stockpiles will be used to calculate voids in mineral aggregate (VMA) of any HMA 9 produced after the new Gsb is determined.

10 11

1

### 5-04.3(9)A1 Test Section – When Required, When to Stop

12 The following new row is inserted after the second row in Table 9:

13

VMA	Minimum PF <sub>i</sub> of 0.95	None⁴
	based on the criteria in	
	Section 5-04.3(9)B4 <sup>2</sup>	

14

### 15 **5-04.3(9)A2** Test Section – Evaluating the HMA Mixture in a Test Section

16 In Table 9a, the test property "Gradation, Asphalt Binder, and  $V_a$ " is revised to read 17 "Gradation, Asphalt Binder, VMA, and  $V_a$ "

18

### 19 5-04.3(9)B3 Mixture Statistical Evaluation – Acceptance Testing

- 20 In Table 11, " $V_a$ " is revised to read "VMA and  $V_a$ "
- 21

### 22 **5-04.3(9)B5** Mixture Statistical Evaluation – Composite Pay Factors (CPF)

23 The following new row is inserted above the last row in Table 12:

24

Voids in Mineral Aggregate	2
(VMA)	

25

29

30

31 32

### 26 **5-04.3(9)B7** Mixture Statistical Evaluation – Retests

The second to last sentence is revised to read:

The sample will be tested for a complete gradation analysis, asphalt binder content, VMA and  $V_a$ , and the results of the retest will be used for the acceptance of the HMA mixture in place of the original mixture sublot sample test results.

### 33 5-04.3(10)C1 HMA Compaction Statistical Evaluation – Lots and Sublots

34 The bulleted item in the fourth paragraph is revised to read:

- For a compaction lot in progress with a compaction CPF less than 0.75 using an LSL = 91.0, a new compaction lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced. See also Section 5-04.3(11)F.
- 40

### 41 **5-04.3(10)C2 HMA Compaction Statistical Evaluation – Acceptance Testing**

In the table, "WSDOT FOP for AASHTO T 355" is revised to read "FOP for AASHTO T 355".

### **5-04.3(10)C3 HMA Statistical Compaction – Price Adjustments**

2 In the first paragraph, "WSDOT FOP for AASHTO T 355" is revised to read "FOP for 3 AASHTO T 355".

4 5

> 6 7

8

9

The first sentence in the second paragraph is revised to read:

For each HMA compaction lot (that is accepted by Statistical Evaluation) which does not meet the criteria in the preceding paragraph, the compaction lot shall be evaluated in accordance with Section 1-06.2(2)D5 to determine the appropriate Composite Pay Factor (CPF).

- 10 11
- 12 The last two paragraphs are revised to read:
- 13

14 Determine the Compaction Price Adjustment (CPA) from the table below, selecting the 15 equation for CPA that corresponds to the value of CPF determined above.

16

Calculating HMA Compaction Price Adjustment (CPA)		
Value of CPF	Equation for Calculating CPA	
When CPF > 1.00	CPA = [0.80 x (CPF – 1.00)] x Q x UP	
When CPF = 1.00	CPA = \$0	
When CPF < 1.0	CPA = [0.40 x (CPF – 1.00)] x Q x UP	

17

- 18 Where
- 19 CPA = Compaction Price Adjustment for the compaction lot (\$)
- 20 CPF = Composite Pay Factor for the compaction lot (maximum is 1.05)
- 21 Q = Quantity in the compaction lot (tons)
- 22 UP = Unit price of the HMA in the compaction lot (\$/ton)

23

### 24 **5-04.3(13)** Surface Smoothness

- 25 The second to last paragraph is revised to read:
- 26

When concrete pavement is to be placed on HMA, the surface tolerance of the HMA shall be such that no surface elevation lies above the Plan grade minus the specified Plan depth of concrete pavement. Prior to placing the concrete pavement, bring any such irregularities to the required tolerance by grinding or other means allowed by the Engineer.

32

### 33 **5-04.5 Payment**

34 The paragraph following the Bid item "Crack Sealing-LF", per linear foot is revised to read:

- 35
- The unit Contract price per linear foot for "Crack Sealing-LF" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4)A.
- 37 38

### 39 Section 5-05, Cement Concrete Pavement

40 August 6, 2018

### 41 **5-05.1 Description**

42 In the first paragraph, "portland cement concrete" is revised to read "cement concrete".

1 2

### 5-05.2 Materials

Cement

In the first paragraph, the reference to "Portland Cement" is revised to read:

4 5 6

7

8

9

3

9-01

In the first paragraph, the section reference for Concrete Patching Material is revised to read "9-20.1".

### 10 **5-05.3(1)** Concrete Mix Design for Paving

11 The table title in item number 4 is revised to read **Concrete Batch Weights**.

12 13

14

In item 4a, "Portland Cement" is revised to read "Cement".

### 15 **5-05.3(4) Measuring and Batching Materials**

16 Item number 2 is revised to read:

17 18

19

20

21

2. **Batching Materials** – On all projects requiring more than 2,500 cubic yards of concrete for paving, the batching plant shall be equipped to proportion aggregates and cement by weight by means of automatic and interlocked proportioning devices of accepted type.

### 22 23 5-05.3(4)A Acceptance of Portland Cement Concrete Pavement

24 25

26 27 This section's title is revised to read:

# Acceptance of Portland Cement or Blended Hydraulic Cement Concrete Pavement

- 28 29
- 30 The first sentence is revised to read:
- 31 32

33

34

Acceptance of portland cement or blended hydraulic cement concrete pavement shall be as provided under statistical or nonstatistical acceptance.

### 35 5-05.4 Measurement

- 36 The last paragraph is revised to read:
- 37 38

39

40

The calculation for cement concrete compliance adjustment is the volume of concrete represented by the CPF and the Thickness deficiency adjustment.

### 41 **5-05.5 Payment**

The bid item "Portland Cement Concrete Compliance Adjustment", by calculation, and the paragraph following this bid item are revised to read:

- 44 45
  - "Cement Concrete Compliance Adjustment", by calculation.
- 46

47 Payment for "Cement Concrete Compliance Adjustment" will be calculated by
 48 multiplying the unit Contract price for the cement concrete pavement, times the volume
 49 for adjustment, times the percent of adjustment determined from the calculated CPF

50 and the Deficiency Adjustment listed in Section 5-05.5(1)A.

### 2 Section 6-01, General Requirements for Structures

3 August 6, 2018

1

4 This section is supplemented with the following new subsections: 5 6 6-01.16 Repair of Defective Work 7 6-01.16(1) General 8 When using repair procedures that are described elsewhere in the Contract 9 Documents, the Working Drawing submittal requirements of this Section shall not 10 apply to those repairs unless noted otherwise. 11 12 Repair procedures for defective Work shall be submitted as Type 2 Working 13 Drawings. Type 2E Working Drawings shall be submitted when required by the 14 Engineer. As an alternative to submitting Type 2 or 2E Working Drawings, defective 15 Work within the limits of applicability of a pre-approved repair procedure may be 16 repaired using that procedure. Repairs using a pre-approved repair procedure shall 17 be submitted as a Type 1 Working Drawing. 18 19 Pre-approved repair procedures shall consist of the following: 20 21 ٠ The procedures listed in Section 6-01.16(2) 22 23 For precast concrete, repair procedures in the annual plant approval ٠ 24 process documents that have been approved for use by the Contracting 25 Agency. 26 27 All Working Drawings for repair procedures shall include: 28 29 A description of the defective Work including location, extent and pictures 30 31 Materials to be used in the repair. Repairs using manufactured products 32 shall include written manufacturer recommendations for intended uses of 33 the product, surface preparation, mixing, aggregate extension (if 34 applicable), ambient and surface temperature limits, placement methods, 35 finishing and curing. 36 37 Construction procedures ٠ 38 39 Plan details of the area to be repaired ٠ 40 41 Calculations for Type 2E Working Drawings ٠ 42 43 Material manufacturer's instructions and recommendations shall supersede any 44 conflicting requirements in pre-approved repair procedures. 45 46 The Engineer shall be notified prior to performing any repair procedure and shall be 47 given an opportunity to inspect the repair work being performed. 48

1 2	6-01.16(2) Pre-Approved Repair Procedures 6-01.16(2)A Concrete Spalls and Poor Consolidation (Rock Pockets,
3	Honeycombs, Voids, etc.)
4	This repair shall be limited to the following areas:
5	
6	• Areas that are not on top Roadway surfaces (with or without an
7	overlay) including but not limited to concrete bridge decks, bridge
8	approach slabs or cement concrete pavement
9	
10	Areas that are not underwater
11	
12	• Areas that are not on precast barrier, except for the bottom 4 inches
13	(but not to exceed 1 inch above blockouts)
14	
15	• Areas that do not affect structural adequacy as determined by the
16	Engineer
17	2.19.110011
18	The repair procedure is as follows:
19	
20	1 Remove all loose and unsound concrete Impact breakers shall not
21	exceed 15 nounds in weight when removing concrete adjacent to
22	reinforcement or other embedments and shall not exceed 30 pounds
22	in weight otherwise. Operate impact breakers at angles less than 45
20	degrees as measured from the surface of the concrete to the tool and
24	moving away from the odge of the defective Work. Concrete shall be
20	nioving away norm the edge of the defective work. Concrete shall be
20	completely removed from exposed surfaces of existing steel
21	reinforcing bar is expanded if the reinforcing bar is lease or if the hand
20	te evicting parts exposed, if the removing parts loose of if the bolid
29	to existing concrete is poor then concrete shall be removed at least 74
30	inch behind the reinforcing bar. Do not damage any existing
31	reinforcement. Stop work and allow the Engineer to inspect the repair
32	area after removing all loose and unsound concrete. Submit a
33	modified repair procedure when required by the Engineer.
34	
35	2. Square the edges of the repair area by cutting an edge perpendicular
36	to the concrete surface around the repair area. The geometry of the
37	repair perimeter shall minimize the edge length and shall be
38	rectangular with perpendicular edges, avoiding reentrant corners. The
39	depth of the cut shall be a minimum of $\frac{3}{4}$ inch, but shall be reduced if
40	necessary to avoid damaging any reinforcement. For repairs on
41	vertical surfaces, the top edge shall slope up toward the front at a 1-
42	vertical-to-3-horizontal slope.
43	
44	3. Remove concrete within the repair area to a depth at least matching
45	the cut depth at the edges. Large variations in the depth of removal
46	within short distances shall be avoided. Roughen the concrete
47	surface. The concrete surface should be roughened to at least
48	Concrete Surface Profile (CSP) 5 in accordance with ICRI Guideline
49	No. 310.2R, unless a different CSP is recommended by the patching
50	material manufacturer.
51	

1 4 2 3 4 5	4.	Inspect the concrete repair surface for delaminations, debonding, microcracking and voids using hammer tapping or a chain drag. Remove any additional loose or unsound concrete in accordance with steps 1 through 3.
6 5 7 8 9 10 11 12	5.	Select a patching material in accordance with Section 9-20.2 that is appropriate for the repair location and thickness. The concrete patching material shall be pumpable or self-consolidating as required for the type of placement that suits the repair. The patching material shall have a minimum compressive strength at least equal to the specified compressive strength of the concrete.
13 6 14 15 16 17 18 19 20 21 22	6.	Prepare the concrete surface and reinforcing steel in accordance with the patching material manufacturer's recommendations. At a minimum, clean the concrete surfaces (including perimeter edges) and reinforcing steel using oil-free abrasive blasting or high-pressure (minimum 5,000 psi) water blasting. All dirt, dust, loose particles, rust, laitance, oil, film, microcracked/bruised concrete or foreign material of any sort shall be removed. Damage to the epoxy coating on steel reinforcing bars shall be repaired in accordance with Section 6- 02.3(24)H.
22 23 7 24 25 26	7.	Construct forms if necessary, such as for patching vertical or overhead surfaces or where patching extends to the edge or corner of a placement.
27 8 28 29 30 31 32 33 34	8.	When recommended by the patching material manufacturer, saturate the concrete in the repair area and remove any free water at the concrete surface to obtain a saturated surface dry (SSD) substrate. When recommended by the patching material manufacturer, apply a primer, scrub coat or bonding agent to the existing surfaces. Epoxy bonding agents, if used, shall be Type II or Type V in accordance with Section 9-26.1.
35 9 36 37 38	9.	Place and consolidate the patching material in accordance with the manufacturer's recommendations. Work the material firmly into all surfaces of the repair area with sufficient pressure to achieve proper bond to the concrete.
40 1 41 42 43 44	10.	The patching material shall be textured, cured and finished in accordance with the patching material manufacturer's recommendations and/or the requirements for the repaired component. Protect the newly placed patch from vibration in accordance with Section 6-02.3(6)D.
46 1 47 48 49 50	11.	When the completed repair does not match the existing concrete color and will be visible to the public, a sand and cement mixture that is color matched to the existing concrete shall be rubbed, brushed, or applied to the surface of the patching material and the concrete.

1 2 3	<b>6-01.10 Utilities Supported by or Attached to Bridges</b> In the third paragraph, "Federal Standard 595" is revised to read "SAE AMS Standard 595".				
5 4 5 6	<b>6-01.12 Final Cleanup</b> The second paragraph is deleted.				
7 8	Section 6-02, Concrete Structures August 6, 2018				
9 10 11	<b>6-02.1 Description</b> The first sentence is revised to read:				
12 13 14	This Work consists of the construction of all Structures (and their parts) made of portland cement or blended hydraulic cement concrete with or without reinforcement, including bridge approach slabs.				
10	6-02.2 Materials				
17 18 19	In the first paragraph, the references to "Portland Cement" and "Aggregates for Portland Cement Concrete" are revised to read:				
20 21 22	Cement 9-01 Aggregates for Concrete 9-03.1				
23 24 25	6-02.3(2) Proportioning Materials The second paragraph is revised to read:				
26 27 28	Unless otherwise specified, the Contractor shall use Type I or II portland cement or blended hydraulic cement in all concrete as defined in Section 9-01.2(1).				
20	6-02.3(2)A Contractor Mix Design				
30 31	The last sentence of the last paragraph is revised to read:				
32 33 34 35	For all other concrete, air content shall be a minimum of 4.5 percent and a maximum of 7.5 percent for all concrete placed above the finished ground line unless noted otherwise.				
36 37 38	6-02.3(2)A1 Contractor Mix Design for Concrete Class 4000D Item number 5 of the first paragraph is deleted.				
39 40 41	Item number 6 of the first paragraph (after the preceding Amendment is applied) is renumbered to 5.				
42 43 44	6-02.3(2)B Commercial Concrete The second paragraph is revised to read:				
45 46 47 48 49	Where concrete Class 3000 is specified for items such as, culvert headwalls, plugging culverts, concrete pipe collars, pipe anchors, monument cases, Type PPB, PS, I, FB and RM signal standards, pedestals, cabinet bases, guardrail anchors, fence post footings, sidewalks, concrete curbs, curbs and gutters, and gutters, the Contractor may use commercial concrete. If commercial concrete is used for sidewalks, concrete curbs,				

1 curbs and gutters, and gutters, it shall have a minimum cementitious material content of 2 564 pounds per cubic yard of concrete, shall be air entrained, and the tolerances of 3 Section 6-02.3(5)C shall apply.

#### 5 6-02.3(4) Ready-Mix Concrete

- 6 The first sentence of the first paragraph is revised to read:
- 7 8

4

- All concrete, except lean concrete, shall be batched in a pregualified manual, semiautomatic, or automatic plant as described in Section 6-02.3(4)A.
- 9 10

#### 6-02.3(4)D Temperature and Time For Placement 11

- 12 The following is inserted after the first sentence of the first paragraph:
- 13 14
- The upper temperature limit for placement for Class 4000D concrete may be increased to a maximum of 80°F if allowed by the Engineer.
- 15 16

#### 17 6-02.3(5)C Conformance to Mix Design Item number 1 of the second paragraph is revised to read:

18

21

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- 19 20
- 1. Cement weight plus 5 percent or minus 1 percent of that specified in the mix design.

#### 23 6-02.3(6)A1 Hot Weather Protection

- 24 The first paragraph is revised to read:
- 25 26

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- The Contractor shall provide concrete within the specified temperature limits. Cooling of the coarse aggregate piles by sprinkling with water is permitted provided the moisture content is monitored, the mixing water is adjusted for the free water in the aggregate and the coarse aggregate is removed from at least 1 foot above the bottom of the pile. Sprinkling of fine aggregate piles with water is not allowed. Refrigerating mixing water or replacing all or part of the mixing water with crushed ice is permitted, provided the ice is completely melted by placing time.
- 32 33 34
  - The second sentence of the second paragraph is revised to read:
- 35 36

These surfaces include forms, reinforcing steel, steel beam flanges, and any others that touch the concrete.

37 38

41

#### 39 6-02.3(7) Vacant

40 This section, including title, is revised to read:

#### 42 6-02.3(7) Tolerances

- Unless noted otherwise, concrete construction tolerances shall be in accordance with 43 44 this section. Tolerances in this section do not apply to cement concrete pavement.
- 45
- 46 Horizontal deviation of roadway crown points, cross-slope break points, and curb,
- 47 barrier or railing edges from alignment or work line: ±1.0 inch
- 48 49 Deviation from plane: ±0.5 inch in 10 feet
- 50
- 51 Deviation from plane for roadway surfaces: ±0.25 inch in 10 feet

1	
2	Deviation from plumb or specified batter: ±0.5 inch in 10 feet, but not to exceed a total
3	of ±1.5 inches
4	
5 6	Vertical deviation from profile grade for roadway surfaces: ±1 inch
7 8	Vertical deviation of top surfaces (except roadway surfaces): ±0.75 inch
9 10	Thickness of bridge decks and other structural slabs not at grade: $\pm 0.25$ inch
10 11 12 13 14	Length, width and thickness of elements such as columns, beams, crossbeams, diaphragms, corbels, piers, abutments and walls, including dimensions to construction joints in initial placements: +0.5 inch, -0.25 inch
15 16	Length, width and thickness of spread footing foundations: +2 inches, -0.5 inch
17 18 19 20	Horizontal location of the as-placed edge of spread footing foundations: The greater of $\pm 2\%$ of the horizontal dimension of the foundation perpendicular to the edge and $\pm 0.5$ inch. However, the tolerance shall not exceed $\pm 2$ inches.
20 21 22	Location of opening, insert or embedded item at concrete surface: $\pm 0.5$ inch
22 23 24	Cross-sectional dimensions of opening: ±0.5 inch
25 26 27	Bridge deck, bridge approach slab, and bridge traffic barrier expansion joint gaps with a specified temperature range, measured at a stable temperature: ±0.25 inch
28 29 30	Horizontal deviation of centerline of bearing pad, oak block or other bearing assembly: $\pm 0.125$ inch
31 32	Horizontal deviation of centerline of supported element from centerline of bearing pad, oak block or other bearing assembly $\pm 0.25$ inch
33 34 35	Vertical deviation of top of bearing pad, oak block or other bearing assembly: $\pm 0.125$ inch
37 38 39	6-02.3(10)C Finishing Equipment The first paragraph is revised to read:
39 40	The finishing machine shall be self-propelled and be capable of forward and reverse
41	movement under positive control. The finishing machine shall be equipped with augers
42	and a rotating cylindrical single or double drum screed. The finishing machine shall have
43	the necessary adjustments to produce the required cross section, line, and grade. The
44	finishing machine shall be capable of raising the screeds, augers, and any other parts of
45	the finishing mechanical operation to clear the screeded surface, and returning to the
46	specified grade under positive control. Unless otherwise allowed by the Engineer, a
47 48 ⊿q	finishing machine manufacturer technical representative shall be on site to assist the first use of the machine on the Contract.
50	The first sentence of the second paragraph is revised to read:

For bridge deck widening of 20 feet or less, and for bridge approach slabs, or where jobsite conditions do not allow the use of the conventional configuration finishing machines, or modified conventional machines as described above; the Contractor may submit a Type 2 Working Drawing proposing the use of a hand-operated motorized power screed such as a "Texas" or "Bunyan" screed.

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6-02.3(10)D4 Monitoring Bridge Deck Concrete Temperature After Placement

This section, including title, is revised to read:

### 6-02.3(10)D4 Vacant

10 11

### 12 6-02.3(10)D5 Bridge Deck Concrete Finishing and Texturing

13 In the third subparagraph of the first paragraph, the last sentence is revised to read:

14 15

16 17 The Contractor shall texture the bridge deck surface to within 3-inches minimum and 24-inches maximum of the edge of concrete at expansion joints, within 1-foot minimum and 2-feet maximum of the curb line, and within 3-inches minimum and 9-inches maximum of the perimeter of bridge drain assemblies.

18 19

### 20 6-02.3(10)F Bridge Approach Slab Orientation and Anchors

21 The second to last paragraph is revised to read:

22 23

The compression seal shall be a  $2\frac{1}{2}$  inch wide gland and shall conform to Section 9-04.1(4).

24 25

26 The last paragraph is deleted.27

### 28 6-02.3(13)A Strip Seal Expansion Joint System

In item number 3 of the third paragraph, "Federal Standard 595" is revised to read "SAE AMS Standard 595".

31

### 32 6-02.3(13)B Compression Seal Expansion Joint System

- 33 The first paragraph is revised to read:
- 34 35
- Compression seal glands shall conform to Section 9-04.1(4) and be sized as shown in the Plans.
- 36 37

### 38 6-02.3(23) Opening to Traffic

39 This section is supplemented with the following new paragraph:

- 40 41
- After curing bridge approach slabs in accordance with Section 6-02.3(11), the
- 42 bridge approach slabs may be opened to traffic when a minimum compressive strength 43 of 2,500 psi is achieved
- 43 of 2,500 psi is achieved.
- 44

### 45 6-02.3(24)C Placing and Fastening

46 This section is revised to read:

- 47
- 48 The Contractor shall position reinforcing steel as the Plans require and shall ensure that 49 the steel is set within specified tolerances. Adjustments to reinforcing details outside of
1 specified tolerances to avoid interferences and for other purposes are acceptable when 2 approved by the Engineer. 3 4 When spacing between bars is 1 foot or more, they shall be tied at all intersections. 5 When spacing is less than 1 foot, every other intersection shall be tied. If the Plans 6 require bundled bars, they shall be tied together with wires at least every 6 feet. All 7 epoxy-coated bars in the top mat of the bridge deck shall be tied at all intersections, 8 however they may be tied at alternate intersections when spacing is less than 1 foot in 9 each direction and they are supported by continuous supports meeting all other 10 requirements of supports for epoxy-coated bars. Other epoxy-coated bars shall also be 11 tied at all intersections, but shall be tied at alternate intersections when spacing is less 12 than 1 foot in each direction. Wire used for tying epoxy-coated reinforcing steel shall be 13 plastic coated. Tack welding is not permitted on reinforcing steel. 14 15 Abrupt bends in the steel are permitted only when one steel member bends around 16 another. Vertical stirrups shall pass around main reinforcement or be firmly attached to 17 it. 18 19 For slip-formed concrete, the reinforcing steel bars shall be tied at all intersections and 20 cross braced to keep the cage from moving during concrete placement. Cross bracing 21 shall be with additional reinforcing steel. Cross bracing shall be placed both 22 longitudinally and transversely. 23 24 After reinforcing steel bars are placed in a traffic or pedestrian barrier and prior to slip-25 form concrete placement, the Contractor shall check clearances and reinforcing steel 26 bar placement. This check shall be accomplished by using a template or by operating 27 the slip-form machine over the entire length of the traffic or pedestrian barrier. All 28 clearance and reinforcing steel bar placement deficiencies shall be corrected by the 29 Contractor before slip-form concrete placement. 30 31 Precast concrete supports (or other accepted devices) shall be used to maintain the 32 concrete coverage required by the Plans. The precast concrete supports shall: 33 34 Have a bearing surface measuring not greater than 2 inches in either dimension, 1. 35 and 36 37 2. Have a compressive strength equal to or greater than that of the concrete in which 38 they are embedded. 39 40 In slabs, each precast concrete support shall have either: (1) a grooved top that will hold 41 the reinforcing bar in place, or (2) an embedded wire that protrudes and is tied to the 42 reinforcing steel. If this wire is used around epoxy-coated bars, it shall be coated with 43 plastic. 44 45 Precast concrete supports may be accepted based on a Manufacturer's Certificate of 46 Compliance. 47 48 In lieu of precast concrete supports, the Contractor may use metal or all-plastic supports 49 to hold uncoated bars. Any surface of a metal support that will not be covered by at 50 least <sup>1</sup>/<sub>2</sub> inch of concrete shall be one of the following: 51

1	1.	Hot-dip galvanized after fabrication in keeping with AASHTO M232 Class D;
2 3 4 5 6 7	2.	Coated with plastic firmly bonded to the metal. This plastic shall be at least $3/32$ inch thick where it touches the form and shall not react chemically with the concrete when tested in the State Materials Laboratory. The plastic shall not shatter or crack at or above $-5^{\circ}F$ and shall not deform enough to expose the metal at or below 200°F; or
9 10 11	3.	Stainless steel that meet the requirements of ASTM A493, Type 302. Stainless steel chair supports are not required to be galvanized or plastic coated.
12 13 14	In lieu of one of th	precast concrete supports, epoxy-coated reinforcing bars may be supported by the following:
15 16 17	1.	Metal supports coated entirely with a dielectric material such as epoxy or plastic,
18 19	2.	Other epoxy-coated reinforcing bars, or
20	3.	All-plastic supports.
22	Damage	d coatings on metal bar supports shall be repaired prior to placing concrete.
23 24 25 26 27 28 29 30 31 32	All-plasti All-plasti normal t weather. bar and compens and cond concrete	c supports shall be lightweight, non-porous, and chemically inert in concrete. c supports shall have rounded seatings, shall not deform under load during temperatures, and shall not shatter or crack under impact loading in cold All-plastic supports shall be placed at spacings greater than 1 foot along the shall have at least 25 percent of their gross place area perforated to sate for the difference in the coefficient of thermal expansion between plastic crete. The shape and configuration of all-plastic supports shall permit complete consolidation in and around the support.
33 34 35 36 37 38 39	A "mat" top and positions shall be bars No. To provid mat as n	is two adjacent and perpendicular layers of reinforcing steel. In bridge decks, bottom mats shall be supported adequately enough to hold both in their proper s. If bar supports directly support, or are directly supported on No. 4 bars, they spaced at not more than 3-foot intervals (or not more than 4-foot intervals for 5 and larger). Wire ties to girder stirrups shall not be considered as supports. de a rigid mat, the Contractor shall add other supports and tie wires to the top eeded.
40 41 42	Unless n	oted otherwise, the minimum concrete cover for main reinforcing bars shall be:
43	3 ind	ches to a concrete surface deposited against earth without intervening forms.
44 45 46	<b>2½</b>	inches to the top surface of a concrete bridge deck or bridge approach slab.
40 47 48	2 in Con	ches to a concrete surface when not specified otherwise in this section or in the tract documents.
49 50 51	1½ i	inches to a concrete barrier or curb surface.

1 2 3 4	Except for top cover in bridge decks and bridge approach slabs, minimum concrete cover to ties and stirrups may be reduced by ½ inch but shall not be less than 1 inch. Minimum concrete cover shall also be provided to the outermost part of mechanical splices and headed steel reinforcing bars.			
5				
6 7	Reinforcing steel bar location, concrete cover and clearance shall not vary more than the following tolerances from what is specified in the Contract documents:			
8 9	Reinforcing bar location for members 12 inches or less in thickness: $\pm 0.25$ inch			
10 11	Reinforcing har location for members greater than 12 inches in thickness: +0.375			
12	inch			
13				
14	Reinforcing bar location for bars placed at equal spacing within a plane: the greater			
15	of either ±1 inch or ±1 bar diameter within the plane. The total number of bars shall			
16 17	not be fewer than that specified.			
18	The clearance between reinforcement shall not be less than the greater of the bar			
19	diameter or 1 inch for unbundled bars. For bundled bars, the clearance between			
20	bundles shall not be less than the greater of 1 inch or a bar diameter derived from			
21	the equivalent total area of all bars in the bundle.			
22 23 24	Longitudinal location of bends and ends of bars: ±1 inch			
24 25 26	Embedded length of bars and length of bar lap splices:			
20 27 28	No. 3 through No. 11: -1 inch			
20 29 30	No. 14 through No. 18: -2 inches			
31 32	Concrete cover measured perpendicular to concrete surface (except for the top surface of bridge decks, bridge approach slabs and other roadway surfaces): ±0.25			
33 34	inch			
35	Concrete cover measured perpendicular to concrete surface for the top surface of			
36	bridge decks, bridge approach slabs and other roadway surfaces: +0.25 inch, -0			
37	inch			
38				
39	Before placing any concrete, the Contractor shall:			
40 41	1. Clean all mortar from reinforcement, and			
42				
43	2. Obtain the Engineer's permission to place concrete after the Engineer has			
44 45	the Engineer's permission shall be rejected and removed.)			
40	6 02 2/25/11 Finishing			
41 10	o-υ2.3(23)Π FINISNING			
40 10	The last paragraph is revised to read.			
+9 50	The Contractor may repair defects in prestressed concrete girders in accordance with			
51	Section 6-01.16.			

6-02.3(27) Concrete for Precast Units

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

- Type III portland cement or blended hydraulic cement is permitted to be used in precast concrete units.
- 6 7 8

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### 6-02.3(28)B Casting

9 In the second paragraph, the reference to Section 6-02.3(25)B is revised to read Section 6-10 02.3(25)C.

11

## 12 6-02.3(28)D Contractors Control Strength

In the first paragraph, "WSDOT FOP for AASHTO T 23" is revised to read "FOP for AASHTO
 T 23".

15

### 16 6-02.3(28)E Finishing

17 This section is supplemented with the following:

18 19

The Contractor may repair defects in precast panels in accordance with Section 6-01.16.

20 21

# 22 Section 6-05, Piling

23 January 2, 2018

# 24 6-05.3(9)A Pile Driving Equipment Approval

- 25 The fourth sentence of the second paragraph is revised to read:
- 26 27

28

- For prestressed concrete piles, the allowable driving stress in kips per square inch shall be  $0.095 \cdot \sqrt{f'_c}$  plus prestress in tension, and  $0.85f'_c$  minus prestress in compression,
- 29 where  $f'_c$  is the concrete compressive strength in kips per square inch.
- 30

# 31 Section 6-07, Painting

32 January 2, 2018

### 33 6-07.3(6)A Paint Containers

In item number 2 of the first paragraph, "Federal Standard 595" is revised to read "SAE AMS Standard 595".

36

- 37 Section 6-08, Bituminous Surfacing on Structure Decks
- 38 January 2, 2018

### 39 6-08.3(7)A Concrete Deck Preparation

- 40 The first sentence of the first paragraph is revised to read:
- 41
- 42 The Contractor, with the Engineer, shall inspect the exposed concrete deck to establish
- 43 the extent of bridge deck repair in accordance with Section 6-09.3(6).
- 44

#### 1 Section 6-09, Modified Concrete Overlays

2 August 6, 2018

#### 3 6-09.3 Construction Requirements

- This section is supplemented with the following new subsection: 4 5
  - 6-09.3(15) Sealing and Texturing Concrete Overlay

6 7 After the requirements for checking for bond have been met, all joints and visible cracks 8 shall be filled and sealed with a high molecular weight methacrylate resin (HMWM). The 9 Contractor may use compressed air to accelerate drying of the deck surface for crack 10 identification and sealing. Cracks 1/16 inch and greater in width shall receive two 11 applications of HMWM. Immediately following the application of HMWM, the wetted 12 surface shall be coated with sand for abrasive finish.

- 13
- 14 After all cracks have been filled and sealed and the HMWM resin has cured, the 15 concrete overlay surface shall receive a longitudinally sawn texture in accordance with 16 Section 6-02.3(10)D5.
- 17
- 18 Traffic shall not be permitted on the finished concrete until it has reached a minimum 19 compressive strength of 3,000 psi as verified by rebound number determined in 20 accordance with ASTM C805 and the longitudinally sawn texture is completed.
- 21

#### 22 6-09.3(1)B Rotary Milling Machines

23 This section is revised to read:

24 25

26

Rotary milling machines used to remove an upper layer of existing concrete overlay, when present, shall have a maximum operating weight of 50,000 pounds and conform to Section 6-08.3(5)B.

27 28

#### 29 6-09.3(1)C Hydro-Demolition Machines

- 30 The first sentence of this section is revised to read:
- 31 32

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34

Hydro-demolition machines shall consist of filtering and pumping units operating in conjunction with a remote-controlled robotic device, using high-velocity water jets to remove sound concrete to the nominal scarification depth shown in the Plans with a single pass of the machine, and with the simultaneous removal of deteriorated concrete.

35 36

### 37 6-09.3(1)D Shot Blasting Machines

38 This section, including title, is revised to read:

# 6-09.3(1)D Vacant

40 41

39

### 42 6-09.3(1) J Finishing Machine

- 43 This section is revised to read:
- 44
- 45 The finishing machine shall meet the requirements of Section 6-02.3(10) and the 46 following requirements:
- 47
- 48 The finishing machine shall be equipped with augers, followed by an oscillating, 49 vibrating screed, vibrating roller tamper, or a vibrating pan, followed by a rotating

1 cylindrical double drum screed. The vibrating screed, roller tamper or pan shall be 2 of sufficient length and width to properly consolidate the mixture. The vibrating 3 frequency of the vibrating screed, roller tamper or pan shall be variable with 4 positive control. 5 6 6-09.3(2) Submittals 7 Item number 1 and 2 are revised to read: 8 9 A Type 1 Working Drawing consisting of catalog cuts and operating parameters of 1. 10 the hydro-demolition machine selected by the Contractor for use in this project to 11 scarify concrete surfaces. 12 13 2. A Type 1 Working Drawing consisting of catalog cuts, operating parameters, axle 14 loads, and axle spacing of the rotary milling machine (if used to remove an upper 15 layer of existing concrete overlay when present). 16 17 The first sentence of item number 3 is revised to read: 18 19 A Type 2 Working Drawing of the Runoff Water Disposal Plan. 20 21 6-09.3(5)A General 22 The first sentence of the fourth paragraph is revised to read: 23 24 All areas of the deck that are inaccessible to the selected scarifying machine shall be 25 scarified to remove the concrete surface matrix to a maximum nominal scarification 26 depth shown in the Plans by a method acceptable to the Engineer. 27 28 This section is supplemented with the following: 29 30 Concrete process water generated by scarifying concrete surface and removing existing 31 concrete overlay operations shall be contained, collected, and disposed of in 32 accordance with Section 5-01.3(11) and Section 6-09.3(5)C, and the Section 6-09.3(2) 33 Runoff Water Disposal Plan. 34 6-09.3(5)B Testing of Hydro-Demolition and Shot Blasting Machines 35 36 This section's title is revised to read: 37 38 Testing of Hydro-Demolition Machines 39 40 The second paragraph is revised to read: 41 42 In the "sound" area of concrete, the equipment shall be programmed to remove 43 concrete to the nominal scarification depth shown in the Plans with a single pass of the 44 machine. 45 46 6-09.3(5)D Shot Blasting 47 This section, including title, is revised to read: 48 49 6-09.3(5)D Vacant

### 1 6-09.3(5)E Rotomilling

2 This section, including title, is revised to read:

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6-09.3(5)E Removing Existing Concrete Overlay Layer by Rotomilling

When the Contractor elects to remove the upper layer of existing concrete overlay, when present, by rotomilling prior to final scarifying, the entire concrete surface of the bridge deck shall be milled to remove the surface matrix to the depth specified in the Plans with a tolerance as specified in Section 6-08.3(5)B. The operating parameters of the rotary milling machine shall be monitored in order to prevent the unnecessary removal of concrete below the specified removal depth.

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### 12 6-09.3(6) Further Deck Preparation

13 The first paragraph is revised to read::14

Once the lane or strip being overlaid has been cleaned of debris from scarifying, the Contractor, with the Engineer, shall perform a visual inspection of the scarified surface. The Contractor shall mark those areas of the existing bridge deck that are authorized by the Engineer for further deck preparation by the Contractor.

18 19

- 20 Item number 4 of the second paragraph is deleted.
- 21
- The first sentence of the third paragraph is deleted.

### 24 **6-09.3(6) A** Equipment for Further Deck Preparation

25 This section is revised to read:

26 27

28

Further deck preparation shall be performed using either power driven hand tools conforming to Section 6-09.3(1)A, or hydro-demolition machines conforming to Section 6-09.3(1)C.

29 30

### 31 6-09.3(6)B Deck Repair Preparation

32 The second paragraph is deleted.

33

The last sentence of the second paragraph (after the preceding Amendment is applied) is revised to read:

36

In no case shall the depth of a sawn vertical cut exceed <sup>3</sup>/<sub>4</sub> inch or to the top of the top
steel reinforcing bars, whichever is less.

39 40

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

41 42

42 Where existing steel reinforcing bars inside deck repair areas show deterioration greater 43 than 20-percent section loss, the Contractor shall furnish and place steel reinforcing 44 bars alongside the deteriorated bars in accordance with the details shown in the 45 Standard Plans.

46

47 The last paragraph is deleted.48

### 49 **6-09.3(7)** Surface Preparation for Concrete Overlay

- 50 The first seven paragraphs are deleted and replaced with the following:
- 51

Following the completion of any required further deck preparation the entire lane or strip being overlaid shall be cleaned to be free from oil and grease, rust and other foreign material that may still be present. These materials shall be removed by detergentcleaning or other method accepted by the Engineer followed by sandblasting.

After detergent cleaning and sandblasting is completed, the entire lane or strip being
overlaid shall be swept clean in final preparation for placing concrete using either
compressed air or vacuum machines.

Hand tool chipping, sandblasting and cleaning in areas adjacent to a lane or strip being
 cleaned in final preparation for placing concrete shall be discontinued when final
 preparation is begun. Scarifying and hand tool chipping shall remain suspended until
 the concrete has been placed and the requirement for curing time has been satisfied.
 Sandblasting and cleaning shall remain suspended for the first 24 hours of curing time
 after the completion of concrete placing.

16

17 Scarification, and removal of the upper layer of concrete overlay when present, may 18 proceed during the final cleaning and overlay placement phases of the Work on 19 adjacent portions of the Structure so long as the scarification and concrete overlay 20 removal operations are confined to areas which are a minimum of 100 feet away from 21 the defined limits of the final cleaning or overlay placement in progress. If the 22 scarification and concrete overlay removal impedes or interferes in any way with the 23 final cleaning or overlay placement as determined by the Engineer, the scarification and 24 concrete overlay removal Work shall be terminated immediately and the scarification 25 and concrete overlay removal equipment removed sufficiently away from the area being 26 prepared or overlaid to eliminate the conflict. If the grade is such that water and 27 contaminants from the scarification and concrete overlay removal operation will flow into 28 the area being prepared or overlaid, the scarification and concrete overlay removal 29 operation shall be terminated and shall remain suspended for the first 24 hours of curing 30 time after the completion of concrete placement.

31

### 32 6-09.3(12) Finishing Concrete Overlay

33 The third paragraph is deleted.

34 35

36

The last paragraph is deleted.

### 37 6-09.3(13) Curing Concrete Overlay

38 The first sentence of the first paragraph is revised to read:

39 40

As the finishing operation progresses, the concrete shall be immediately covered with a single layer of clean, new or used, wet burlap.

- 41 42
- 43 The last sentence of the second paragraph is deleted.
- 44
- 45 The following two new paragraphs are inserted after the second paragraph:
- 46

47 As an alternative to the application of burlap and fog spraying described above, the

- 48 Contractor may propose a curing system using proprietary curing blankets specifically
- 49 manufactured for bridge deck curing. The Contractor shall submit a Type 2 Working
   50 Drawing consisting of details of the proprietary curing blanket system, including product
- 51 literature and details of how the system is to be installed and maintained.

The wet curing regimen as described shall remain in place for a minimum of 42-hours.

4 The last paragraph is deleted. 5

# 6 6-09.3(14) Checking for Bond

7 The first sentence of the first paragraph is revised to read: 8

9 After the requirements for curing have been met, the entire overlaid surface shall be 10 sounded by the Contractor, in a manner accepted by and in the presence of the 11 Engineer, to ensure total bond of the concrete to the bridge deck.

12

3

- 13 The last sentence of the first paragraph is deleted.
- 14
- 15 The second paragraph is deleted.
- 16

# 17 Section 6-10, Concrete Barrier

18 August 6, 2018

# 19 6-10.2 Materials

20 In the first paragraph, the reference to "Portland Cement" is revised to read:

21 22 Cement 9-01

# 24 6-10.3(6) Placing Concrete Barrier

25 The first two sentences of the first paragraph are revised to read:

26

23

Precast concrete barriers Type 2, Type 4, Type F, precast single slope barrier, and transitions shall rest on a paved foundation shaped to a uniform grade and section. The foundation surface for precast concrete barriers Type 2, Type 4, Type F, precast single slope barrier, and transitions shall meet this test for uniformity: When a 10-foot straightedge is placed on the surface parallel to the centerline for the barrier, the surface shall not vary more than <sup>1</sup>/<sub>4</sub> inch from the lower edge of the straightedge.

33

# 34 Section 6-11, Reinforced Concrete Walls

35 April 2, 2018

# 36 6-11.2 Materials

In the first paragraph, the reference to "Aggregates for Portland Cement Concrete" is revisedto read:

39

40 Aggregates for Concrete 9-03.1

41

# 42 Section 6-12, Noise Barrier Walls

43 August 6, 2018

# 44 6-12.2 Materials

45 In the first paragraph, the reference to "Aggregates for Portland Cement Concrete" is revised

- 46 to read:
- 47

1	Aggregates for Concrete 9-03.1
2 3 4	The first paragraph is supplemented with the following new material reference:
4 5 6	Noise Barrier Wall Access Door 9-06.17
7 8	<b>6-12.3(9)</b> Access Doors and Concrete Landing Pads The second paragraph is deleted and replaced with the following:
9 10 11 12 13 14 15	All frame and door surfaces, except stainless steel surfaces, shall be painted in accordance with Section 6-07.3(9). Primer shall be applied to all non-stainless steel surfaces. All primer coated exposed metal surfaces shall be field painted with the remaining Section 6-07.3(9)A paint system coats. The top coat, when dry, shall match the color specified in the Plans or Special Provisions.
16 17	This section is supplemented with the following:
18 19 20 21	Access door deadbolt locks shall be capable of accepting a Best CX series core. The Contractor shall furnish and install a spring-loaded construction core lock with each lock. The Engineer will furnish the permanent Best CX series core for the Contractor to install at the conclusion of the project.
22 23 24	Section 6-13, Structural Earth Walls August 6, 2018
25 26 27 28	<b>6-13.2 Materials</b> In the first paragraph, the reference to "Aggregates for Portland Cement Concrete" is revised to read:
29 30	Aggregates for Concrete 9-03.1
31 32	6-13.3(4) Precast Concrete Facing Panel and Concrete Block Fabrication Item number 1 of the sixth paragraph is revised to read:
33 34 35	1. Vertical dimensions shall be $\pm \frac{1}{16}$ inch of the Plan dimension, and the rear height shall not exceed the front height.
30 37 29	Item number 3 of the sixth paragraph is revised to read:
30 39 40	3. All other dimensions shall be $\pm \frac{1}{4}$ inch of the Plan dimension.
40 41 42	Section 6-14, Geosynthetic Retaining Walls April 2, 2018
43 44 45	<b>6-14.2 Materials</b> In the first paragraph, the references to "Portland Cement" and "Aggregates for Portland Cement Concrete" are revised to read:
47 48 49	Cement 9-01 Aggregates for Concrete 9-03.1

2019 HAUL OUT & MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1 AMENDMENTS TO THE STANDARD SPECIFICATIONS AUGUST, 2018

- 1 Section 6-16, Soldier Pile and Soldier Pile Tieback Walls
- 2 April 2, 2018

#### 3 6-16.2 Materials

In the first paragraph, the reference to "Aggregates for Portland Cement Concrete" is revised 4 5 to read:

- 6 7
- Aggregates for Concrete 9-03.1
- 8 9 Section 6-18, Shotcrete Facing
- January 2, 2018 10

#### 11 6-18.3(3) Testing

12 In the last sentence of the first paragraph, "AASHTO T 24" is revised to read "ASTM C1604". 13

#### 6-18.3(3)B Production Testing 14

15 In the last sentence, "AASHTO T 24" is revised to read "ASTM C1604".

16

#### 17 6-18.3(4) Qualifications of Contractor's Personnel

18 In the last sentence of the second paragraph, "AASHTO T 24" is revised to read "ASTM C1604". 19

20

#### 21 Section 6-19, Shafts

22 August 6, 2018

#### 23 6-19.2 Materials

24 In the first paragraph, the references to "Portland Cement" and "Aggregates for Portland Cement Concrete" are revised to read: 25 26

- 27 Cement 9-01 28 Aggregates for Concrete 9-03.1
- 29

#### 30 6-19.3(1)A Shaft Construction Tolerances

- 31 The last paragraph is supplemented with the following:
- 32 33
- The elevation of the top of the reinforcing cage for drilled shafts shall be within +6 inches and -3 inches from the elevation shown in the Plans. 34
- 35

### 36 6-19.3(3)C Conduct of Shaft Casing Installation and Removal and Shaft **Excavation Operations**

# 37

- 38 The first paragraph is supplemented with the following:
- 39
- 40 In no case shall shaft excavation and casing placement extend below the bottom of 41 shaft excavation as shown in the Plans.
- 42

#### 43 6-19.3(6) E Thermal Wire and Thermal Access Point (TAPS)

- 44 The third sentence of the third paragraph is revised to read:
- 45
- 46 The thermal wire shall extend from the bottom of the reinforcement cage to the top of 47 the shaft, with a minimum of 5-feet of slack wire provided above the top of shaft.

- The following new sentence is inserted after the third sentence of the third paragraph:
  - All thermal wires in a shaft shall be equal lengths.
- 5 6 Section 7-02, Culverts
- 7 April 2, 2018

#### 8 7-02.2 Materials

9 In the first paragraph, the references to "Portland Cement" and "Aggregates for Portland 10 Cement Concrete" are revised to read:

11 12

1 2

3 4

- 9-01 Cement
- 13 Aggregates for Concrete 9-03.1 14

### 15 7-02.3(6)A4 Excavation and Bedding Preparation

- 16 The first sentence of the third paragraph is revised to read:
- 17
- 18 The bedding course shall be a 6-inch minimum thickness layer of culvert bedding 19 material, defined as granular material either conforming to Section 9-03.12(3) or to
- 20 AASHTO Grading No. 57 as specified in Section 9-03.1(4)C.
- 21

### 22 Section 7-05, Manholes, Inlets, Catch Basins, and Drywells

August 6, 2018 23

#### 24 7-05.3 Construction Requirements

- 25 The fourth sentence of the third paragraph is deleted.
- 26 27 Section 7-08, General Pipe Installation Requirements
- 28 April 2, 2018

### 29 7-08.3(3) Backfilling

- 30 The fifth sentence of the fourth paragraph is revised to read:
- 31
- 32 All compaction shall be in accordance with the Compaction Control Test of Section 2-03.3(14)D except in the case that 100% Recycled Concrete Aggregate is used.
- 33
- 34
- 35 36
  - The following new sentences are inserted after the fifth sentence of the fourth paragraph:
- 37 When 100% Recycled Concrete Aggregate is used, the Contractor may submit a written 38 request to use a test point evaluation for compaction acceptance. Test Point evaluation 39 shall be performed in accordance with SOP 738.
- 40
- 41 Section 8-01, Erosion Control and Water Pollution Control
- April 2, 2018 42

#### 43 8-01.1 Description

- 44 This section is revised to read:
- 45

1 This Work consists of furnishing, installing, maintaining, removing and disposing of best 2 management practices (BMPs), as defined in the Washington Administrative Code 3 (WAC) 173-201A, to manage erosion and water quality in accordance with these 4 Specifications and as shown in the Plans or as designated by the Engineer.

5

6 The Contracting Agency may have a National Pollution Discharge Elimination System 7 Construction Stormwater General Permit (CSWGP) as identified in the Contract Special 8 Provisions. The Contracting Agency may or may not transfer coverage of the CSWGP to 9 the Contractor when a CSWGP has been obtained. The Contracting Agency may not 10 have a CSWGP for the project but may have another water quality related permit as 11 identified in the Contract Special Provisions or the Contracting Agency may not have 12 water quality related permits but the project is subject to applicable laws for the Work. 13 Section 8-01 covers all of these conditions.

14

17 18

# 15 8-01.2 Materials

16 The first paragraph is revised to read:

Materials shall meet the requirements of the following sections:

19		_
20	Corrugated Polyethylene Drain Pipe	9-05.1(6)
21	Quarry Spalls	9-13
22	Erosion Control and Roadside Planting	9-14
23	Construction Geotextile	9-33

### 24 25 8-01.3(1) General

26 This section is revised to read:

27

28 Adaptive management shall be employed throughout the duration of the project for the 29 implementation of erosion and water pollution control permit requirements for the 30 current condition of the project site. The adaptive management includes the selection 31 and utilization of BMPs, scheduling of activities, prohibiting unacceptable practices, 32 implementing maintenance procedures, and other managerial practices that when used 33 singularly or in combination, prevent or reduce the release of pollutants to waters of the 34 State. The adaptive management shall use the means and methods identified in this 35 section and means and methods identified in the Washington State Department of 36 Transportation's Temporary Erosion and Sediment Control Manual or the Washington 37 State Department of Ecology's Stormwater Management Manuals for construction 38 stormwater.

39

40 The Contractor shall install a high visibility fence along the site preservation lines shown 41 in the Plans or as instructed by the Engineer.

42

Throughout the life of the project, the Contractor shall preserve and protect the delineated preservation area, acting immediately to repair or restore any fencing damaged or removed.

46

47 All discharges to surface waters shall comply with surface water quality standards as 48 defined in Washington Administrative Code (WAC) Chapter 173-201A. All discharges to

- 49 the ground shall comply with groundwater quality standards WAC Chapter 173-200.
- 50

1 2 3	The Co CSWGF	ntractor shall comply with the CSWGP when the project is covered by the P. Temporary Work, at a minimum, shall include the implementation of:
4 5 6 7	1.	Sediment control measures prior to ground disturbing activities to ensure all discharges from construction areas receive treatment prior to discharging from the site.
8 9	2.	Flow control measures to prevent erosive flows from developing.
10 11 12 13	3.	Water management strategies and pollution prevention measures to prevent contamination of waters that will be discharged to surface waters or the ground.
14 15	4.	Erosion control measures to stabilize erodible earth not being worked.
16 17	5.	Maintenance of BMPs to ensure continued compliant performance.
18 19 20 21	6.	Immediate corrective action if evidence suggests construction activity is not in compliance. Evidence includes sampling data, olfactory or visual evidence such as the presence of suspended sediment, turbidity, discoloration, or oil sheen in discharges.
23 24 25	To the perman	degree possible, the Contractor shall coordinate this temporary Work with ent drainage and erosion control Work the Contract requires.
26 27 28	Clearino more er	g, grubbing, excavation, borrow, or fill within the Right of Way shall never expose odible earth than as listed below:
		Western Washington Eastern Washington

Western W (West of th Mountai	/ashington e Cascade n Crest)	Eastern Wa (East of the Mountain	shington Cascade Crest)
May 1 through September 30	17 Acres	April 1 through October 31	17 Acres
October 1 through April 30	5 Acres	November 1 through March 31	5 Acres

29 30

2 2

2

The Engineer may increase or decrease the limits based on project conditions.

31

32 Erodible earth is defined as any surface where soils, grindings, or other materials may be capable of being displaced and transported by rain, wind, or surface water runoff.

- 33 34 35

Erodible earth not being worked, whether at final grade or not, shall be covered within the specified time period (see the table below), using BMPs for erosion control.

> 5 days maximum

Western Washington			Eastern Wa	shington
(West of the Cascade			(East of the	Cascade
Mountain Crest)			Mountain	Crest)
October 1 through April 30	2 days maximum		October 1 through June 30	5 day maximi

May 1 to September 30	7 days maximum	November 1 through March 31	10 days maximum
--------------------------	-------------------	-----------------------------------	--------------------

When applicable, the Contractor shall be responsible for all Work required for compliance with the CSWGP including annual permit fees.

If the Engineer, under Section 1-08.6, orders the Work suspended, the Contractor shall continue to comply with this division during the suspension.

Nothing in this Section shall relieve the Contractor from complying with other Contract requirements.

### 11 8-01.3(1)A Submittals

12 This section's content is deleted.

13 14

1 2

3

4 5

6

7 8

9

10

This section is supplemented with the following new subsection:

15 16

### 8-01.3(1)A1 Temporary Erosion and Sediment Control

17 A Temporary Erosion and Sediment Control (TESC) plan consists of a narrative section 18 and plan sheets that meets the Washington State Department of Ecology's Stormwater 19 Pollution Prevention Plan (SWPPP) requirement in the CSWGP. Abbreviated TESC 20 plans are not required to include plan sheets and are used on small projects that disturb 21 soil and have the potential to discharge but are not covered by the CSWGP. The 22 contract uses the term "TESC plan" to describe both TESC plans and abbreviated 23 TESC plans. When the Contracting Agency has developed a TESC plan for a Contract, 24 the narrative is included in the appendix to the Special Provisions and the TESC plan 25 sheets, when required, are included in the Contract Plans. The Contracting Agency 26 TESC plan will not include off-site areas used to directly support construction activity.

27

28 The Contractor shall either adopt the TESC Plan in the Contract or develop a new 29 TESC Plan. If the Contractor adopts the Contracting Agency TESC Plan, the Contractor 30 shall modify the TESC Plan to meet the Contractor's schedule, method of construction, 31 and to include off-site areas that will be used to directly support construction activity 32 such as equipment staging yards, material storage areas, or borrow areas. Contractor TESC Plans shall include all high visibility fence delineation shown on the Contracting 33 34 Agency Contract Plans. All TESC Plans shall meet the requirements of the current 35 edition of the WSDOT Temporary Erosion and Sediment Control Manual M 3109 and be 36 adaptively managed as needed throughout construction based on site inspections and 37 discharge samples to maintain compliance with the CSWGP. The Contractor shall 38 develop a schedule for implementation of the TESC work and incorporate it into the 39 Contractor's progress schedule.

40

The Contractor shall submit their TESC Plan (either the adopted plan or new plan) and implementation schedule as Type 2 Working Drawings. At the request of the Engineer, updated TESC Plans shall be submitted as Type 1 Working Drawings.

44

### 45 8-01.3(1)B Erosion and Sediment Control (ESC) Lead

- 46 This section is revised to read:
- 47

- 1 The Contractor shall identify the ESC Lead at the preconstruction discussions and in the 2 TESC Plan. The ESC Lead shall have, for the life of the Contract, a current Certificate of 3 Training in Construction Site Erosion and Sediment Control from a course approved by 4 the Washington State Department of Ecology. The ESC Lead must be onsite or on call 5 at all times throughout construction. The ESC Lead shall be listed on the Emergency 6 Contact List required under Section 1-05.13(1). 7 8 The ESC Lead shall implement the TESC Plan. Implementation shall include, but is not 9 limited to: 10 11 Installing, adaptively managing, and maintaining temporary erosion and 1. 12 sediment control BMPs to assure continued performance of their intended 13 function. Damaged or inadequate BMPs shall be corrected immediately. 14 15 Updating the TESC Plan to reflect current field conditions. 2. 16 17 3. Discharge sampling and submitting Discharge Monitoring Reports (DMRs) to 18 the Washington State Department of Ecology in accordance with the CSWGP. 19 20 Develop and maintain the Site Log Book as defined in the CSWGP. When the 4. 21 Site Log Book or portion thereof is electronically developed, the electronic 22 documentation must be accessible onsite. As a part of the Site Log Book, the 23 Contractor shall develop and maintain a tracking table to show that identified 24 TESC compliance issues are fully resolved within 10 calendar days. The table 25 shall include the date an issue was identified, a description of how it was 26 resolved, and the date the issue was fully resolved. 27 28 The ESC Lead shall also inspect all areas disturbed by construction activities, all on-site 29 erosion and sediment control BMPs, and all stormwater discharge points at least once 30 every calendar week and within 24-hours of runoff events in which stormwater 31 discharges from the site. Inspections of temporarily stabilized, inactive sites may be 32 reduced to once every calendar month. The Washington State Department of Ecology's 33 Erosion and Sediment Control Site Inspection Form. located at https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-34 35 permits/Construction-stormwater-permit, shall be completed for each inspection and a 36 copy shall be submitted to the Engineer no later than the end of the next working day 37 following the inspection. 38 39 8-01.3(1)C Water Management 40 This section is supplemented with the following new subsections: 41 42 8-01.3(1)C5 Water Management for In-Water Work Below Ordinary High 43 Water Mark (OHWM) Work over surface waters of the state (defined in WAC 173-201A-010) or below the 44 45 OHWM (defined in RCW 90.58.030) must comply with water quality standards for 46 surface waters of the state of Washington. 47
- 48 **8-01.3(1)C6** Environmentally Acceptable Hydraulic Fluid
- All equipment containing hydraulic fluid that extends from a bridge deck over surface
   waters of the state or below the OHWM, shall be equipped with an environmentally
   acceptable hydraulic fluid. The fluid shall meet specific requirements for

biodegradability, aquatic toxicity, and bioaccumulation in accordance with the United
 States Environmental Protection Agency (EPA) publication EPA800-R-11-002.
 Acceptance shall be in accordance with Section 1-06.3, Manufacturer's Certification of
 Compliance.

5

9

- 6 The designation of environmentally acceptable hydraulic fluid does not mean fluid spills 7 are acceptable. The Contractor shall respond to spills to land or water in accordance 8 with the Contract.
- 10 8-01.3(1)C7 Turbidity Curtain

All Work for the turbidity curtain shall be in accordance with the manufacturer's 11 12 recommendations for the site conditions. Removal procedures shall be developed and 13 used to minimize silt release and disturbance of silt. The Contractor shall submit a Type 14 2 Working Drawing, detailing product information, installation and removal procedures, 15 equipment and workforce needs. maintenance plans. and emergency 16 repair/replacement plans.

- 17
- Turbidity curtain materials, installation, and maintenance shall be sufficient to complywith water quality standards.
- 20
- The Contractor shall notify the Engineer 10 days in advance of removing the turbidity curtain. All components of the turbidity curtain shall be removed from the project.
- 23

# 24 **8-01.3(1)C1** Disposal of Dewatering Water

25 This section is revised to read:

- 26 27
- When uncontaminated groundwater is encountered in an excavation on a project it may
  be infiltrated within vegetated areas of the right of way not designated as Sensitive
  Areas or incorporated into an existing stormwater conveyance system at a rate that will
  not cause erosion or flooding in any receiving surface water.
- 31
- Alternatively, the Contractor may pursue independent disposal and treatment alternatives that do not use the stormwater conveyance system provided it is in compliance with the applicable WACs and permits.
- 35

# 36 8-01.3(1)C2 Process Wastewater

37 This section is revised to read:

38

Wastewater generated on-site as a byproduct of a construction process shall not be discharged to surface waters of the State. Some sources of process wastewater may be infiltrated in accordance with the CSWGP with concurrence from the Engineer. Some sources of process wastewater may be disposed via independent disposal and treatment alternatives in compliance with the applicable WACs and permits.

44

# 45 8-01.3(1)C3 Shaft Drilling Slurry Wastewater

46 This section is revised to read:

- 47
- 48 Wastewater generated on-site during shaft drilling activity shall be managed and
- disposed of in accordance with the requirements below. No shaft drilling slurry wastewater shall be discharged to surface waters of the State. Neither the sediment nor

1 2 3	liquid p detectat	ortior ble by	ns of the shaft drilling slurry wastewater shall be contaminated, as visible or olfactory indication (e.g., chemical sheen or smell).
4 5 6 7 8 9	1.	Wat infilt 14.5 (GU trea perr	er-only shaft drilling slurry or water slurry with accepted flocculants may be trated on-site. Flocculants used shall meet the requirements of Section 9- 5(1) or shall be chitosan products listed as General Use Level Designation ILD) on the Washington State Department of Ecology's stormwater tment technologies webpage for construction treatment. Infiltration is mitted if the following requirements are met:
10 11 12		a.	Wastewater shall have a pH of 6.5 – 8.5 prior to discharge.
13 14 15		b.	The amount of flocculant added to the slurry shall be kept to the minimum needed to adequately settle out solids. The flocculant shall be thoroughly mixed into the slurry.
17 18 19		C.	The slurry removed from the shaft shall be contained in a leak proof cell or tank for a minimum of 3 hours.
20 21 22 23 24 25		d.	The infiltration rate shall be reduced if needed to prevent wastewater from leaving the infiltration location. The infiltration site shall be monitored regularly during infiltration activity. All wastewater discharged to the ground shall fully infiltrate and discharges shall stop before the end of each work day.
26 27 28		e.	Drilling spoils and settled sediments remaining in the containment cell or tank shall be disposed of in accordance with Section 6-19.3(4)F.
29 30 31 32		f.	Infiltration locations shall be in upland areas at least 150 feet away from surface waters, wells, on-site sewage systems, aquifer sensitive recharge areas, sole source aquifers, well head protection areas, and shall be marked on the plan sheets before the infiltration activity begins.
33 34 35 36 37 38 39		g.	Prior to infiltration, the Contractor shall submit a Shaft Drilling Slurry Wastewater Management and Infiltration Plan as a Type 2 Working Drawing. This Plan shall be kept on-site, adapted if needed to meet the construction requirements, and updated to reflect what is being done in the field. The Working Drawing shall include, at a minimum, the following information:
40 41 42 43 44 45			i. Plan sheet showing the proposed infiltration location and all surface waters, wells, on-site sewage systems, aquifer-sensitive recharge areas, sole source aquifers, and well-head protection areas within 150 feet.
46 47 48			ii. The proposed elevation of soil surface receiving the wastewater for infiltration and the anticipated phreatic surface (i.e., saturated soil).
49 50			iii. The source of the water used to produce the slurry.
51			iv. The estimated total volume of wastewater to be infiltrated.

1		
2	٧.	The accepted flocculant to be used (if any).
3		
4	Vİ.	The controls or methods used to prevent surface wastewater runoff
5		from leaving the inflitration location.
7	vii	The strategy for removing slurry wastewater from the shaft and
8	VII.	containing the slurry wastewater once it has been removed from the
9		shaft.
10		
11	viii.	The strategy for monitoring infiltration activity and adapting methods
12		to ensure compliance.
13		
14	ix.	A contingency plan that can be implemented immediately if it
15		becomes evident that the controls in place or methods being used are
16		not adequate.
17		
18	Х.	I he strategy for cleaning up the inflitration location after the inflitration
19		activity is done. Cleanup shall include stabilizing any loose sediment
20		suspended solids in the infiltrated wastewater or soil disturbance
21		associated with RMP placement and removal
23		associated with Dwin-placement and removal.
24	2. Shaft dr	illing mineral slurry, synthetic slurry, or slurry with polymer additives not
25	allowed	for infiltration shall be contained and disposed of by the Contractor at
26	an acce	pted disposal facility in accordance with Section 2-03.3(7)C. Spoils that
27	have co	me into contact with mineral slurry shall be disposed of in accordance
28	with Sec	ction 6-19.3(4)F.
29		
30	8-01.3(1)C4 Manag	gement of Off-Site Water
31	This section is revised	d to read:
32	Drian ta alaaning	and synthesing the Contractor shall intercent all courses of officite
33 24	Phor to cleaning	and grubbling, the Contractor shall intercept all sources of oil-site
35	run-on shall be d	liverted through or around the project in a way that does not introduce
36		ated pollution. It shall be diverted to its preconstruction discharge
37	location in a mar	oner that does not increase preconstruction flow rate and velocity and
38	protects contiguo	bus properties and waterways from erosion. The Contractor shall submit
39	a Type 2 Working	Drawing consisting of the method for performing this Work.
40		,
41	8-01.3(1)E Detenti	on/Retention Pond Construction
42	This section is revised	d to read:
43		
44	Whether perman	ent or temporary, ponds shall be constructed before beginning other
45	grading and exca	avation Work in the area that drains into that pond. Detention/retention

- ponds may be constructed concurrently with grading and excavation when allowed by
   the Engineer. Temporary conveyances shall be installed concurrently with grading in
   accordance with the TESC Plan so that newly graded areas drain to the pond as they
   are exposed.
- 50

1 8-01.3(2)F Dates for Application of Final Seed, Fertilizer, and Mulch

2 In the table, the second column heading is revised to read:

3 4 5

> 6 7

8 9

10

- Eastern Washington<sup>1</sup>
- (East of the Cascade Mountain Crest)

Footnote 1 in the table is revised to read:

Seeding may be allowed outside these dates when allowed or directed by the Engineer.

# 11 8-01.3(5) Plastic Covering

12 The first sentence of the first paragraph is revised to read:

13 14

15

**Erosion Control** – Plastic coverings used to temporarily cover stockpiled materials, slopes or bare soils shall be installed and maintained in a way that prevents water from intruding under the plastic and prevents the plastic cover from being damaged by wind.

16 17

# 18 **8-01.3(7) Stabilized Construction Entrance**

19 The first paragraph is revised to read:

20 21

22

23

Temporary stabilized construction entrance shall be constructed in accordance with the *Standard Plans*, prior to construction vehicles entering the roadway from locations that generate sediment track out on the roadway. Material used for stabilized construction entrance shall be free of extraneous materials that may cause or contribute to track out.

24 25

# 26 8-01.3(8) Street Cleaning

27 This section is revised to read:

28

Self-propelled pickup street sweepers shall be used to remove and collect dirt and other debris from the Roadway. The street sweeper shall effectively collect these materials and prevent them from being washed or blown off the Roadway or into waters of the State. Street sweepers shall not generate fugitive dust and shall be designed and operated in compliance with applicable air quality standards. Material collected by the street sweeper shall be disposed of in accordance with Section 2-03.3(7)C.

35

When allowed by the Engineer, power broom sweepers may be used in nonenvironmentally sensitive areas. The broom sweeper shall sweep dirt and other debris from the roadway into the work area. The swept material shall be prevented from entering or washing into waters of the State.

- 40 41
- Street washing with water will require the concurrence of the Engineer.
- 42

# 43 8-01.3(12) Compost Socks

- 44 The first two sentences of the first paragraph are revised to read:
- 45

46 Compost socks are used to disperse flow and sediment. Compost socks shall be 47 installed as soon as construction will allow but before flow conditions create erosive 48 flows or discharges from the site. Compost socks shall be installed prior to any mulching 49 or compost placement.

### 1 8-01.3(13) Temporary Curb

2 The second to last sentence of the second paragraph is revised to read: 3

Temporary curbs shall be a minimum of 4 inches in height.

### 6 8-01.3(14) Temporary Pipe Slope Drain

7 The third and fourth paragraphs are revised to read:

- The pipe fittings shall be water tight and the pipe secured to the slope with metal posts, wood stakes, sand bags, or as allowed by the Engineer.
- 10 11 12

13

4

5

8 9

The water shall be discharged to a stabilized conveyance, sediment trap, stormwater pond, rock splash pad, or vegetated strip, in a manner to prevent erosion and maintain water quality compliance.

14 15

16 The last paragraph is deleted.17

### 18 8-01.3(15) Maintenance

19 This section is revised to read:

20

Erosion and sediment control BMPs shall be maintained or adaptively managed as required by the CSWGP until the Engineer determines they are no longer needed. When deficiencies in functional performance are identified, the deficiencies shall be rectified immediately.

25

The BMPs shall be inspected on the schedule outlined in Section 8-01.3(1)B for damage and sediment deposits. Damage to or undercutting of BMPs shall be repaired immediately.

29

In areas where the Contractor's activities have compromised the erosion control
 functions of the existing grasses, the Contractor shall overseed at no additional cost to
 the Contracting Agency.

33

The quarry spalls of construction entrances shall be refreshed, replaced, or screened to maintain voids between the spalls for collecting mud and dirt.

36

Unless otherwise specified, when the depth of accumulated sediment and debris reaches approximately <sup>1</sup>/<sub>3</sub> the height of the BMP the deposits shall be removed.
 Debris or contaminated sediment shall be disposed of in accordance with Section 2-03.3(7)C. Clean sediments may be stabilized on-site using BMPs as allowed by the Engineer.

42

### 43 8-01.3(16) Removal

44 This section is revised to read:

45

The Contractor shall remove all temporary BMPs, all associated hardware and associated accumulated sediment deposition from the project limits prior to Physical Completion unless otherwise allowed by the Engineer. When the temporary BMP materials are made of natural plant fibers unaltered by synthetic materials the Engineer may allow leaving the BMP in place.

1 The Contractor shall remove BMPs and associated hardware in a way that minimizes 2 soil disturbance. The Contractor shall permanently stabilize all bare and disturbed soil 3 after removal of BMPs. If the installation and use of the erosion control BMPs have 4 compacted or otherwise rendered the soil inhospitable to plant growth, such as 5 construction entrances, the Contractor shall take measures to rehabilitate the soil to 6 facilitate plant growth. This may include, but is not limited to, ripping the soil, 7 incorporating soil amendments, or seeding with the specified seed.

9 At the request of the Contractor and at the sole discretion of the Engineer the CSWGP 10 may be transferred back to the Contracting Agency. Approval of the Transfer of 11 Coverage request will require the following:

12 13 14

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- All other Work required for Contract Completion has been completed. 1.
- All Work required for compliance with the CSWGP has been completed to the 2. maximum extent possible. This includes removal of BMPs that are no longer needed and the site has undergone all Stabilization identified for meeting the requirements of Final Stabilization in the CSWGP.
- 3. An Equitable Adjustment change order for the cost of Work that has not been completed by the Contractor.
- 4. Submittal of the Washington State Department of Ecology Transfer of Coverage form (Ecology form ECY 020-87a) to the Engineer.

26 If the Engineer approves the transfer of coverage back to the Contracting Agency, the requirement in Section 1-07.5(3) for the Contractor's submittal of the Notice of 28 Termination form to the Washington State Department of Ecology will not apply.

#### 30 8-01.4 Measurement

31 This section's content is deleted and replaced with the following new subsections:

32 33

### 8-01.4(1) Lump Sum Bid for Project (No Unit Items)

34 When the Bid Proposal contains the item "Erosion Control and Water Pollution 35 Prevention" there will be no measurement of unit or force account items for Work 36 defined in Section 8-01 except as described in Sections 8-01.4(3) and 8-01.4(4). Also, 37 except as described in Section 8-01.4(3), all of Sections 8-01.4(2) and 8-01.5(2) are 38 deleted. 39

#### 40 8-01.4(2) Item Bids

When the Proposal does not contain the items "Erosion Control and Water Pollution 41 Prevention", Section 8-01.4(1) and 8-01.5(1) are deleted and the Bid Proposal will 42 43 contain some or all of the following items measured as noted.

- 44
- 45 ESC lead will be measured per day for each day that an inspection is made and a 46 report is filed.
- 47
- 48 Biodegradable erosion control blanket and plastic covering will be measured by the
- 49 square yard along the ground slope line of surface area covered and accepted.
- 50

1 2 3	Turbidity curtains will be measured by the linear foot along the ground line of the installed curtain.
3 4 5 6 7	Check dams will be measured per linear foot one time only along the ground line of the completed check dam. No additional measurement will be made for check dams that are required to be rehabilitated or replaced due to wear.
8 9	Stabilized construction entrances will be measured by the square yard by ground slope measurement for each entrance constructed.
10 11 12	Tire wash facilities will be measured per each for each tire wash installed.
13 14 15 16 17	Street cleaning will be measured by the hour for the actual time spent cleaning pavement, refilling with water, dumping and transport to and from cleaning locations within the project limits, as authorized by the Engineer. Time to mobilize the equipment to or from the project limits on which street cleaning is required will not be measured.
18 19 20	Inlet protections will be measured per each for each initial installation at a drainage structure.
21 22 23 24	Silt fence, gravel filter, compost berms, and wood chip berms will be measured by the linear foot along the ground line of the completed barrier.
24 25 26	Wattles and compost socks will be measured by the linear foot.
20 27 28 20	Temporary curbs will be measured by the linear foot along the ground line of the completed installation.
29 30 31 32	Temporary pipe slope drains will be measured by the linear foot along the flow line of the pipe.
33 34 35	Coir logs will be measured by the linear foot along the ground line of the completed installation.
36 37	Outlet protections will be measured per each initial installation at an outlet location.
38 39	Tackifiers will be measure by the acre by ground slope measurement.
40 41	8-01.4(3) Reinstating Unit Items with Lump Sum Erosion Control and Water Pollution Prevention
42	The Contract Provisions may establish the project as lump sum in accordance with
43	Section 8-01 4(1) and also include one or more of the items included above in Section
44 45 46	8-01.4(2). When that occurs, the corresponding measurement provision in Section 8-01.4(2) is not deleted and the Work under that item will be measured as specified.
40 47 49	8-01.4(4) Items not included with Lump Sum Erosion Control and Water
48 49 50	Compost blanket will be measured by the square yard by ground slope surface area covered and accepted.
51	

1 2 2	Mulching will be measured by the acre by ground slope surface area covered and accepted.
3 4 5	Seeding, fertilizing, liming, mulching, and mowing, will be measured by the acre by ground slope measurement.
6 7 8 9	Seeding and fertilizing by hand will be measured by the square yard by ground slope measurement. No adjustment in area size will be made for the vegetation free zone around each plant.
10 11 12	Fencing will be measured by the linear foot along the ground line of the completed fence.
13 14 15 16	<b>8-01.5 Payment</b> This section's content is deleted and replaced with the following new subsections:
17 18 10	8-01.5(1) Lump Sum Bid for Project (No Unit Items) Payment will be made for the following Bid item when it is included in the Proposal:
19 20 21	"Erosion Control and Water Pollution Prevention", lump sum.
22 23 24 25 26	The lump sum Contract price for "Erosion Control and Water Pollution Prevention" shall be full pay to perform the Work as described in Section 8-01 except for costs compensated by Bid Proposal items inserted through Contract Provisions as described in Section 8-01.4(2). Progress payments for the lump sum item "Erosion Control and Water Pollution Prevention" will be made as follows:
27 28 29	<ol> <li>The Contracting Agency will pay 15 percent of the bid amount for the initial set up for the item. Initial set up includes the following:</li> </ol>
30 31 32	<ul> <li>Acceptance of the TESC Plan provided by the Contracting Agency or submittal of a new TESC Plan,</li> </ul>
33 34 25	b. Submittal of a schedule for the installation of the BMPs, and
36 37	c. Identifying water quality sampling locations.
38 39 40	<ol> <li>70 percent of the bid amount will be paid in accordance with Section 1- 09.9.</li> </ol>
40 41 42 43 44 45	<ol> <li>Once the project is physically complete and copies of the all reports submitted to the Washington State Department of Ecology have been submitted to the Engineer, and, if applicable, transference of the CSWGP back to the Contracting Agency is complete, the remaining 15 percent of the bid amount shall be paid in accordance with Section 1-09.9.</li> </ol>
40 47 48	<b>8-01.5(2) Item Bids</b> "ESC Lead", per day.
49 50 51	"Turbidity Curtain", per linear foot.

1	"Biodegradable Erosion Control Blanket", per square yard.
3	"Plastic Covering", per square yard.
4 5	"Check Dam", per linear foot.
6 7	"Inlet Protection", per each.
8 9	"Gravel Filter Berm", per linear foot.
10 11	"Stabilized Construction Entrance", per square yard.
12	"Street Cleaning", per hour.
14 15 16	"Silt Fence", per linear foot.
17 19	"Wood Chip Berm", per linear foot.
19 20	"Compost Berm", per linear foot.
20 21 22	"Wattle", per linear foot.
23 24	"Compost Sock", per linear foot.
25 26	"Coir Log", per linear foot.
20 27 28	"Temporary Curb", per linear foot.
20 29 30	"Temporary Pipe Slope Drain", per linear foot.
31 32	"Temporary Seeding", per acre.
33 34	"Outlet Protection", per each.
35 36	"Tackifier", per acre.
37 38	"Erosion/Water Pollution Control", by force account as provided in Section 1-09.6.
39 40 41 42 43	Maintenance and removal of erosion and water pollution control devices including removal and disposal of sediment, stabilization and rehabilitation of soil disturbed by these activities, and any additional Work deemed necessary by the Engineer to control erosion and water pollution will be paid by force account in accordance with Section 1-09.6.
44 45 46 47	To provide a common Proposal for all Bidders, the Contracting Agency has entered an amount in the Proposal to become a part of the Contractor's total Bid.
48 40	8-01.5(3) Reinstating Unit Items with Lump Sum Erosion Control and
49 50 51	water Pollution Prevention The Contract may establish the project as lump sum, in accordance with Section 8- 01.4(1) and also reinstate the measurement of one or more of the items described in

1 Section 8-01.4(2), except for Erosion/Water Pollution Control, by force account. When 2 that occurs, the corresponding payment provision in Section 8-01.5(2) is not deleted 3 and the Work under that item will be paid as specified. 4 5 8-01.5(4) Items not included with Lump Sum Erosion Control and Water 6 **Pollution Prevention** 7 Payment will be made for each of the following Bid items when they are included in the 8 Proposal: 9 10 "Compost Blanket", per square yard. 11 12 "Mulching", per acre 13 14 "Mulching with PAM", per acre 15 16 "Mulching with Short-Term Mulch", per acre. 17 18 "Mulching with Moderate-Term Mulch", per acre. 19 20 "Mulching with Long-Term Mulch", per acre. 21 22 "Seeding, Fertilizing and Mulching", per acre. 23 24 "Seeding and Fertilizing", per acre. 25 26 "Seeding and Fertilizing by Hand", per square yard. 27 28 "Second Application of Fertilizer", per acre. 29 30 "Liming", per acre. 31 32 "Mowing", per acre. 33 34 "Seeding and Mulching", per acre. 35 36 "High Visibility Fence", per linear foot. 37 38 Section 8-02, Roadside Restoration 39 January 2, 2018 40 8-02.2 Materials 41 The reference to the material "Soil" is revised to read "Topsoil". 42

#### 43 8-02.5 Payment

- 44 The following new paragraph is inserted following the Bid item "Plant Selection \_\_\_\_", per 45 each:
- 46
- 47
  - The unit Contract price for "Plant Selection \_\_\_\_", per each shall be full pay for all Work to perform the work as specified within the planting area prior to planting for weed
- 48 49 control, planting area preparation and installation of plants with initial watering.
- 50

- 1 The paragraph following the Bid item "PSIPE \_\_\_\_\_", per each is revised to read: 2 The unit Contract price for "PSIPE \_\_\_\_", per each, shall be full pay for all Work to 3 4 perform the work as specified within the planting area for weed control and planting 5 area preparation, planting, cleanup, and water necessary to complete planting 6 operations as specified to the end of first year plant establishment. 7 8 Section 8-04, Curbs, Gutters, and Spillways April 2, 2018 9 10 8-04.2 Materials In the first paragraph, the reference to "Portland Cement" is revised to read: 11 12 9-01 13 Cement 14 15 8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways 16 The first paragraph is supplemented with the following: 17 18 Roundabout truck apron cement concrete curb and gutter shall be constructed with air 19 entrained concrete Class 4000 conforming to the requirements of Section 6-02. 20 21 Section 8-06, Cement Concrete Driveway Entrances 22 April 2, 2018 23 8-06.2 Materials 24 In the first paragraph, the reference to "Portland Cement" is revised to read: 25 26 Cement 9-01 27 28 8-06.3 Construction Requirements 29 The first paragraph is revised to read: 30 31 Cement concrete driveway approaches shall be constructed with air entrained concrete 32 Class 4000 conforming to the requirements of Section 6-02 or Portland Cement or 33 Blended Hydraulic Cement Concrete Pavement conforming to the requirements of 34 Section 5-05. 35 Section 8-07, Precast Traffic Curb 36 37 April 2, 2018 38 8-07.3(1) Installing Curbs 39 The first sentence of the first paragraph is revised to read: 40 41 The curb shall be firmly bedded for its entire length and breadth on a mortar bed 42 conforming to Section 9-20.4(3) composed of one part Portland cement or blended
- 43 hydraulic cement and two parts sand.
- 44
- 45 The fourth paragraph is revised to read:
- 46

1 All joints between adjacent pieces of curb except joints for expansion and/or drainage 2 as designated by the Engineer shall be filled with mortar composed of one part Portland 3 cement or blended hydraulic cement and two parts sand. 4 5 Section 8-11, Guardrail August 6, 2018 6 8-11.3(1)C Terminal and Anchor Installation 7 8 The first paragraph is revised to read: 9 10 All excavation and backfilling required for installation of anchors shall be performed in accordance with Section 2-09, except that the costs thereof shall be included in the unit 11 12 Contract price for the anchor installed. 13 14 The first sentence of the second to last paragraph is revised to read: 15 16 Assembly and installation of Beam Guardrail Non-flared Terminals for Type 31 guardrail 17 shall be supervised at all times by a manufacturer's representative, or an installer who 18 has been trained and certified by the manufacturer. 19 20 The last paragraph is revised to read: 21 22 Beam Guardrail Non-flared Terminals for Type 31 guardrail shall meet the crash test and 23 evaluation criteria in the Manual for Assessing Safety Hardware (MASH). 24 25 8-11.4 Measurement 26 The third paragraph is revised to read: 27 28 Measurement of beam guardrail terminal will be per each for the 29 completed terminal. 30 31 The fourth paragraph is revised to read: 32 33 Measurement of beam guardrail Type 31 buried terminal Type 2 will be per linear foot 34 for the completed terminal. 35 36 The sixth paragraph is revised to read: 37 38 Measurement of beam guardrail anchor Type 10 will be per each for the completed 39 anchor, including the attachment of the anchor to the guardrail. 40 41 8-11.5 Payment The Bid item "Beam Guardrail Anchor Type \_\_\_\_", per each is revised to read "Beam 42 43 Guardrail Anchor Type 10", per each. 44 45 The Bid item "Beam Guardrail Buried Terminal Type 1", per each is deleted from this section. 46 47 The Bid item "Beam Guardrail Buried Terminal Type 2", per linear foot and the following paragraph are revised to read: 48 49 50 "Beam Guardrail Type 31 Buried Terminal Type 2", per linear foot.

- 1 2 The unit Contract price per linear foot for "Beam Guardrail Type 31 Buried Terminal 3 Type 2" shall be full payment for all costs to obtain and provide materials and perform
- 4 the Work as described in Section 8-11.3(1)C.
- 5 6 Section 8-14, Cement Concrete Sidewalks
- 7 April 2, 2018
- 8 8-14.2 Materials

Cement

- 9 In the first paragraph, the reference to "Portland Cement" is revised to read:
- 10 11

9-01

12

13 In the second paragraph, each reference to "Federal Standard 595" is revised to read "SAE 14 AMS Standard 595".

- 15
- 16 Section 8-16, Concrete Slope Protection
- 17 April 2, 2018

#### 18 8-16.2 Materials

- 19 In the first paragraph, the last two material references are revised to read:
- 20
- 21 Cement Poured Portland Cement Blended Hvdraulic or 0 40 5/0
- $\gamma\gamma$ Concrete Slope Protection

22	Concrete Slope P	Concrete Slope Protection			9-13.5(2)		
23	Pneumatically	Placed	Portland	Cement	or	Blended	
24	Hydraulic Cement	Concrete Slop	e Protection	9-13.5(	3)		
~ -	•	-			-		

- 25
- 26 Section 8-17, Impact Attenuator Systems
- August 6, 2018 27

### 28 8-17.3 Construction Requirements

- 29 This section is supplemented with the following:
- 30
- 31 Impact attenuators shall meet the crash test and evaluation criteria of NCHRP 350 or 32 the Manual for Assessing Safety Hardware (MASH).
- 33
- 34 Section 8-20, Illumination, Traffic Signal Systems, Intelligent Transportation
- 35 Systems, and Electrical
- August 6, 2018 36

### 37 8-20.1(1) Regulations and Code

- 38 The last paragraph is revised to read:
- 39
- 40 Persons performing electrical Work shall be certified in accordance with and supervised
- 41 as required by RCW 19.28.161. Proof of certification shall be worn at all times in Persons failing to meet these certification 42 accordance with WAC 296-46B-942. 43 requirements may not perform any electrical work, and shall stop any active electrical
- 44 work, until their certification is provided and worn in accordance with this Section.
- 45

#### 8-20.2(2) Equipment List and Drawings 1

- 2 This section is renumbered:
- 3 4

5

8 9

10

11

8-20.2(1) Equipment List and Drawings

#### 6 8-20.3(4) Foundations

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

Concrete for Type II, III, IV, V, and CCTV signal standards and light standard foundations shall be Class 4000P and does not require air entrainment.

#### 8-20.3(5)A General 12

- 13 The last two sentences of the last paragraph is deleted.
- 14
- 15 This section is supplemented with the following:
- 16
- 17 All conduits shall include a pull tape with the equipment grounding conductor. The pull 18 tape shall be attached to the conduit near the end bell or grounded end bushing, or to
- 19 duct plugs or caps if present, at both ends of the conduit.

20

#### 21 8-20.3(8) Wiring

- 22 The seventeenth paragraph is supplemented with the following:
- 23 24

Pulling tape shall meet the requirements of Section 9-29.1(10). Pull string may not be used.

25 26

#### 27 8-20.3(14)C Induction Loop Vehicle Detectors

- 28 Item number 2 is deleted.
- 29
- 30 Item numbers 3 through 12 are renumbered to 2 through 11, respectively.
- 31

#### 32 Section 8-21, Permanent Signing

33 January 2, 2018

#### 34 8-21.3(9)F Foundations

35 Item number 3 of the twelfth paragraph is supplemented with the following new sentence: 36

- 37 Class 4000P concrete for roadside sign structures does not require air entrainment.
- 39 Section 9-02, Bituminous Materials
- 40 April 2, 2018

#### 41 9-02.1 Asphalt Material, General

42 The second paragraph is revised to read:

43

- 44 The Asphalt Supplier of Performance Graded (PG) asphalt binder and emulsified
- 45 asphalt shall have a Quality Control Plan (QCP) in accordance with WSDOT QC 2 "Standard Practice for Asphalt Suppliers That Certify Performance Graded and 46
- 47 Emulsified Asphalts". The Asphalt Supplier's QCP shall be submitted and receive the
- 48 acceptance of the WSDOT State Materials Laboratory. Once accepted, any change to

the QCP will require a new QCP to be submitted for acceptance. The Asphalt Supplier
 of PG asphalt binder and emulsified asphalt shall certify through the Bill of Lading that
 the PG asphalt binder or emulsified asphalt meets the Specification requirements of the
 Contract.

5 6

# 9-02.1(4) Performance Graded Asphalt Binder (PGAB)

7 This section's title is revised to read:

- 8
- 9 10
- Performance Graded (PG) Asphalt Binder
- 11 The first paragraph is revised to read:
- 12

PG asphalt binder meeting the requirements of AASHTO M 332 Table 1 of the grades specified in the Contract shall be used in the production of HMA. For HMA with greater than 20 percent RAP by total weight of HMA, or any amount of RAS, the new asphalt binder, recycling agent and recovered asphalt (RAP and/or RAS) when blended in the proportions of the mix design shall meet the PG asphalt binder requirements of AASHTO M 332 Table 1 for the grade of asphalt binder specified by the Contract.

19

20 The second paragraph, including the table, is revised to read:

21

In addition to AASHTO M 332 Table 1 specification requirements, PG asphalt binders shall meet the following requirements:

24

		Additional Requirements by Performance Grade (PG) Asphalt Binders					
Proper	Test	PG58S	PG58H	PG58V	PG64S-	PG64H	PG64V
ty	wethod	-22	-22	-22	28	-28	-28
RTFO							
Residu							
e:							
Averag	AASHT			200/	200/	250/	200/
е	ОТ			30%	20%	23%	30%
Percent	3501			IVIIN.	IVIIN.	IVIIN.	IVIIN.
Recove							
ry @							
3.2 kPa							
<sup>1</sup> Specime	en conditio	ned in acc	ordance w	ith AASH	ГО Т 240 —	RTFO.	

25

26 The third paragraph is revised to read:

27 28

29

The RTFO  $J_{nrdiff}$  and the PAV direct tension specifications of AASHTO M 332 are not required.

30 31

This section is supplemented with the following:

32

If the asphalt binder verification sample test results fail to meet AASHTO Test Method T
 350 "Standard Method of Test for Multiple Stress Creep Recovery (MSCR) Test of
 Asphalt Binder Using a Dynamic Shear Rheometer (DSR)" for average percent recovery
 @ 3.2 kPa for the applicable grades of binder in accordance with Section 9-02.1(4), the
 Contracting Agency may elect to test the sample using AASHTO Test Method T 301

- "Standard Method of Test for Elastic Recovery Test of Asphalt Materials by Means of a
   Ductilometer."
- When AASHTO T 301 is used, a minimum of 65% elastic recovery (ER) will be required
  when tested at 25°C ± 0.5°C.
- 6 7
- 9-02.1(6) Cationic Emulsified Asphalt
- 8 This section is revised to read: 9
- 10 Cationic Emulsified Asphalt meeting the requirements of AASHTO M 208 Table 1 of the 11 grades specified in the Contract shall be used.
- 12

### 13 9-02.5 Warm Mix Asphalt (WMA) Additive

- 14 This section, including title, is revised to read:
- 15 16

### 9-02.5 HMA Additive

- 17 Additives for HMA shall be accepted by the Engineer.
- 1819 Section 9-03, Aggregates
- 20 August 6, 2018

### 21 9-03.1 Aggregates for Portland Cement Concrete

- 22 This section's title is revised to read:
- 23 24

### Aggregates for Concrete

25

28 29

30

### 26 9-03.1(1) General Requirements

27 The first two sentences of the first paragraph are revised to read:

- Concrete aggregates shall be manufactured from ledge rock, talus, or sand and gravel in accordance with the provisions of Section 3-01. Reclaimed aggregate may be used if it complies with the specifications for concrete.
- 31 32
- 33 The second paragraph (up until the colon) is revised to read:
- 34 35 36
- Aggregates for concrete shall meet the following test requirements:
- 37 The second sentence of the second to last paragraph is revised to read:
- 38
- 3
- 39 The Contractor shall submit test results according to ASTM C1567 through the Engineer
- 40 to the State Materials Laboratory that demonstrate that the proposed fly ash when used 41 with the proposed aggregates and cement will control the potential expansion to 0.20
- 42 percent or less before the fly ash and aggregate sources may be used in concrete.
- 43

### 44 9-03.1(2) Fine Aggregate for Portland Cement Concrete

- 45 This section's title is revised to read:
- 46

### Fine Aggregate for Concrete

#### 1 9-03.1(4) Coarse Aggregate for Portland Cement Concrete

2 This section's title is revised to read: 3

# **Coarse Aggregate for Concrete**

#### 6 9-03.1(4)C Grading

7 The first paragraph (up until the colon) is revised to read:

9 Coarse aggregate for concrete when separated by means of laboratory sieves shall 10 conform to one or more of the following gradings as called for elsewhere in these 11 Specifications, Special Provisions, or in the Plans:

12

4

5

8

#### 13 9-03.1(5) Combined Aggregate Gradation for Portland Cement Concrete

This section's title is revised to read: 14

15 16

17

### **Combined Aggregate Gradation for Concrete**

#### 18 9-03.1(5)B Grading

In the last paragraph, "WSDOT FOP for WAQTC/AASHTO T 27/T 11" is revised to read 19 20 "FOP for WAQTC/AASHTO T 27/T 11".

21

#### 22 9-03.2 Aggregate for Job-Mixed Portland Cement Mortar

23 This section's title is revised to read:

24 25

### Aggregate for Job-Mixed Portland Cement or Blended Hydraulic Cement Mortar

- 26 27 28
- The first sentence of the first paragraph is revised to read:
- 29 30 Fine aggregate for portland cement or blended hydraulic cement mortar shall consist of 31 sand or other inert materials, or combinations thereof, accepted by the Engineer, having 32 hard, strong, durable particles free from adherent coating.
- 33

#### 9-03.4(1) General Requirements 34

- 35 The first paragraph (up until the colon) is revised to read:
- 36
- 37 Aggregate for bituminous surface treatment shall be manufactured from ledge rock,
- 38 talus, or gravel, in accordance with Section 3-01. Aggregates for Bituminous Surface 39 Treatment shall meet the following test requirements:
- 40

#### 41 9-03.8(1) General Requirements

- 42 The first paragraph (up until the colon) is revised to read:
- 43
- 44
- 45

#### 9-03.8(2) HMA Test Requirements 46

47 The two tables in the second paragraph are replaced with the following three tables:

Aggregates for Hot Mix Asphalt shall meet the following test requirements:

Mix Critorio	HMA Class				
	⅔ inch	1∕₂ inch	¾ inch	1 inch	

	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Voids in Mineral Aggregate (VMA), %	15.0		14.0		13.0		12.0	
Voids Filled With As	Voids Filled With Asphalt (VFA), %							
ESAL's (millions)		VFA						
< 0.3	70	80	70	80	70	80	67	80
0.3 to < 3	65	78	65	78	65	78	65	78
≥ 3	73	76	65	75	65	75	65	75
Dust/Asphalt Ratio	0.6	1.6	0.6	1.6	0.6	1.6	0.6	1.6

1

Test Method	ESAL's (millions)	Num	ber of Passes
Hamburg Wheel-Track Testing,	< 0.3		10,000
Number of Passes with no	0.3 to < 3		12,500
Stripping Inflection Point and Maximum Rut Depth of 10mm	≥ 3		15,000
Indirect Tensile (IDT) Strength (psi)	OP for	175 Maximum	
ASTM D6931			

2

	ESAL's (millions)	N initial	N design	N maximum
	< 0.3	≤ 91.5	96.0	≤ 98.0
% Gmm	0.3 to < 3	≤ 90.5	96.0	≤ 98.0
	≥ 3	≤ 89.0	96.0	≤ 98.0
Gyratory	< 0.3	6	50	75
Compaction	0.3 to < 3	7	75	115
(number of gyrations)	> 3	8	100	160

3 4

### 9-03.8(7) HMA Tolerances and Adjustments

5 In the table in item number 1, the fifth row is revised to read:

6

Asphalt binder	-0.4% to 0.5%	±0.7%

7 8

9

In the table in item number 1, the following new row is inserted before the last row:

Voids in Mineral	-1.5%	
Aggregate, VMA		

10

### 11 9-03.9(1) Ballast

12 The second paragraph (up until the colon) is revised to read:

- 13
- 14 15

Aggregates for ballast shall meet the following test requirements:

## 16 9-03.14(4) Gravel Borrow for Structural Earth Wall

- 17 The second sentence of the first paragraph is revised to read:
- The material shall be substantially free of shale or other soft, poor durability particles,
- and shall not contain recycled materials, such as glass, shredded tires, concrete rubble,
- 21 or asphaltic concrete rubble.

- 1 2 9-03.21(1)E Table on Maximum Allowable percent (By Weight) of Recycled 3 Material 4 "Portland Cement" is deleted from the first two rows in the table. 5 6 The first column of the third row is revised to read: 7 8 Coarse Aggregate for Commercial Concrete and Class 3000 Concrete 9 10 Section 9-04, Joint and Crack Sealing Materials 11 April 2, 2018 12 9-04.1(2) Premolded Joint Filler for Expansion Joints 13 In this section, each reference to "AASHTO T 42" is revised to read "ASTM D 545". 14 15 9-04.2(1)A1 Hot Poured Sealant for Cement Concrete Pavement 16 This section is supplemented with the following: 17 18 Hot poured sealant for cement concrete pavement is acceptable for installations in joints 19 where cement concrete pavement abuts a bituminous pavement. 20 21 9-04.2(1)A2 Hot Poured Sealant for Bituminous Pavement 22 This section is supplemented with the following: 23 24 Hot poured sealant for bituminous pavement is acceptable for installations in joints 25 where cement concrete pavement abuts a bituminous pavement. 26 27 9-04.2(1)B Sand Slurry for Bituminous Pavement 28 Item number 2 of the first paragraph is revised to read: 29 30 2. Two percent portland cement or blended hydraulic cement, and 31 32 9-04.3 Joint Mortar 33 The first paragraph is revised to read: 34 35 Mortar for hand mortared joints shall conform to Section 9-20.4(3) and consist of one 36 part portland cement or blended hydraulic cement, three parts fine sand, and sufficient 37 water to allow proper workability. 38 39 Section 9-05, Drainage Structures and Culverts 40 April 2, 2018 9-05.3(1)C Age at Shipment 41 42 The last sentence of the first paragraph is revised to read:
- 43
- 44 Unless it is tested and accepted at an earlier age, it shall not be considered ready for
- 45 shipment sooner than 28 days after manufacture when made with Type II portland 46 cement or blended hydraulic cement, nor sooner than 7 days when made with Type III
- 47 portland cement.
- 48

### 1 Section 9-06, Structural Steel and Related Materials

### 2 August 6, 2018

- 3 9-06.5 Bolts
- 4 This section's title is revised to read: 5
  - Bolts and Rods
- 6 7 8

### 9-06.5(4) Anchor Bolts

9 This section, including title, is revised to read:

10 11

# 9-06.5(4) Anchor Bolts and Anchor Rods

Anchor bolts and anchor rods shall meet the requirements of ASTM F1554 and, unless otherwise specified, shall be Grade 105 and shall conform to Supplemental Requirements S2, S3, and S4.

- 15
- Nuts for ASTM F1554 Grade 105 black anchor bolts and anchor rods shall conform to
  ASTM A563, Grade D or DH. Nuts for ASTM F1554 Grade 105 galvanized anchor bolts
  and anchor rods shall conform to either ASTM A563, Grade DH, or AASHTO M292,
  Grade 2H, and shall conform to the overtapping, lubrication, and rotational testing
  requirements in Section 9-06.5(3). Nuts for ASTM F1554 Grade 36 or 55 black or
  galvanized anchor bolts and anchor rods shall conform to ASTM A563, Grade A or DH.
  Washers shall conform to ASTM F436.
- 23

24 The bolts and rods shall be tested by the manufacturer in accordance with the 25 requirements of the pertinent Specification and as specified in these Specifications. 26 Anchor bolts, anchor rods, nuts, and washers shall be inspected prior to shipping to the 27 project site. The Contractor shall submit to the Engineer for acceptance a 28 Manufacturer's Certificate of Compliance for the anchor bolts, anchor rods, nuts, and 29 washers, as defined in Section 1-06.3. If the Engineer deems it appropriate, the 30 Contractor shall provide a sample of the anchor bolt, anchor rod, nut, and washer for 31 testing.

32 33

All bolts, rods, nuts, and washers shall be marked and identified as required in the pertinent Specification.

34 35

# 36 9-06.17 Vacant

37 This section, including title, is revised to read:

38 39

# 9-06.17 Noise Barrier Wall Access Door

Access door frames shall be formed of 14-gauge steel to the size and dimensions shown in the Plans. The access door frame head and jamb members shall be mitered, securely welded, and ground smooth. Each head shall have two anchors and each jamb shall have three anchors. The hinges shall be reinforced with 1/4-inch by 12-inch plate, width equal to the full inside width of the frame.

- 45
- 46 Access doors shall be full flush  $1-\frac{3}{4}$ -inch thick seamless doors with a polystyrene core.
  - 47 Door faces shall be constructed with smooth seamless 14-gauge roller-levered, cold-
  - 48 rolled steel sheet conforming to ASTM A 792 Type SS, Grade 33 minimum, Coating
  - 49 Designation AZ55 minimum. The vertical edges shall be neat interlocked hemmed edge
- seam. The top and bottom of the door shall be enclosed with 14-gauge channels.
  Mortise and reinforcement for locks and hinges shall be 10-gauge steel. Welded top cap
  shall be ground and filled for exterior applications. The bottom channel shall have weep
  holes.
- Each access door shall have three hinges. Access door hinges shall be ASTM A 276
  Type 316 stainless steel, 4-½-inches square, with stainless steel ball bearing and nonremovable pins.
  - 9
- Each access door shall have two pull plates. The pull plates shall be ASTM A 240 Type
   316 stainless steel, with a grip handle of one-inch diameter and 8 to 10-inches in length.
- 12
- 13 The door assembly shall be fabricated and assembled as a complete unit including all 14 hardware specified prior to shipment.
- 15

## 16 9-06.18 Metal Bridge Railing

- 17 The second sentence of the first paragraph is revised to read:
- 18

19 Steel used for metal railings, when galvanized after fabrication in accordance with 20 AASHTO M111, shall have a controlled silicon content of either 0.00 to 0.06 percent or 21 0.15 to 0.25 percent.

22

## 23 Section 9-07, Reinforcing Steel

24 April 2, 2018

# 9-07.5(2) Corrosion Resistant Dowel Bars (for Cement Concrete Pavement and Cement Concrete Pavement Rehabilitation)

- The first paragraph (up until the colon) is revised to read:
  - Corrosion resistant dowel bars shall be 1½ inch outside diameter plain round steel bars or tubular bars 18 inches in length and meet the requirements of one of the following:
- 3132 Item number 4 and 5 of the first paragraph are revised to read:
- 33 34

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30

- 4. Corrosion-resistant, low-carbon, chromium plain steel bars for concrete reinforcement meeting all the requirements of ASTM A 1035 Alloy Type CS Grade 100 or Alloy Type CS Grade 120.
- 38 5. Zinc Clad dowel bars shall be  $1\frac{1}{2}$  inch solid bars or tubular bars with 1.695 inch 39 outside diameter by 0.120 inch wall and shall have a minimum 0.035 inch A710 Zinc alloy clad to a plain steel inner bar meeting the chemical and physical 40 41 properties of AASHTO M 31, Grade 60, or AASHTO M 255, Grade 60. A710 Zinc 42 shall be composed of: zinc: 99.5 percent, by weight, minimum; copper: 0.1-0.25 percent, by weight; and iron: 0.0020 percent, by weight, maximum. Each end of 43 44 tubular bars shall be plugged using a snug-fitting insert to prohibit any intrusion of concrete or other materials. 45

## 1 Section 9-08, Paints and Related Materials

## 2 January 2, 2018

## 3 9-08.1(2)K Orange Equipment Enamel

4 In the second sentence of the first paragraph, the reference to "Federal Standard 595" is 5 revised to read "SAE AMS Standard 595".

6

## 7 9-08.1(8) Standard Colors

8 In the first paragraph, the reference to "Federal Standard 595" is revised to read "SAE AMS
9 Standard 595".

10

## 11 Section 9-13, Riprap, Quarry Spalls, Slope Protection, and Rock for Erosion

- 12 and Scour Protection and Rock Walls
- 13 April 2, 2018

### 14 9-13.1(1) General

15 The last paragraph is revised to read:

- 16
- 17 Riprap and quarry spalls shall be free from segregation, seams, cracks, and other
- 18 defects tending to destroy its resistance to weather and shall meet the following test 19 requirements:

20

## 21 9-13.5 Concrete Slope Protection

- 22 This section is revised to read:
- 23

Concrete slope protection shall consist of reinforced portland cement or blended hydraulic cement concrete poured or pneumatically placed upon the slope with a rustication joint pattern or semi-open concrete masonry units placed upon the slope closely adjoining each other.

28

## 29 9-13.5(2) Poured Portland Cement Concrete Slope Protection

30 This section's title is revised to read:

- 31 32
- Poured Portland Cement or Blended Hydraulic Cement Concrete Slope Protection
- 33 34
- 9-13.5(3) Pneumatically Placed Portland Cement Concrete Slope Protection
   This section's title is revised to read:
- 37 38

## Pneumatically Placed Portland Cement or Blended Hydraulic Cement Concrete Slope Protection

39 40

41 The first paragraph is revised to read:

- 42
   43 Cement This material shall be portland cement or blended hydraulic cement as specified in Section 9-01.
- 45

## 46 **9-13.7(1)** Rock for Rock Walls and Chinking Material

- 47 The first paragraph (up until the colon) is revised to read:
- 48

- Rock for rock walls and chinking material shall be hard, sound and durable material,
   free from seams, cracks, and other defects tending to destroy its resistance to weathe
  - free from seams, cracks, and other defects tending to destroy its resistance to weather, and shall meet the following test requirements:
- 3 4 5
- Section 9-14, Erosion Control and Roadside Planting
- 6 August 6, 2018
- 7 9-14.4(2) Hydraulically Applied Erosion Control Products (HECPs)
- 8 In Table 1, the last four rows are deleted.

## 10 9-14.4(2)A Long-Term Mulch

- 11 The first paragraph is supplemented with the following:
- 12
- Products containing cellulose fiber produced from paper or paper components will notbe accepted.
- 15

16 Table 2 is supplemented with the following new rows:

17

Water Holding Capacity	ASTM D 7367	800 percent minimum
Organic Matter Content	AASHTO T 267	90 percent minimum
Seed Germination	ASTM D 7322	Long Term
Enhancement		420 percent minimum

18 19

## 20 9-14.4(2)B Moderate-Term Mulch

- 21 This section is revised to read:
- 22 23

Within 48 hours of application, the Moderate-Term Mulch shall bond with the soil surface to create a continuous, absorbent, flexible, erosion-resistant blanket. Moderate-Term Mulch shall effectively perform the intended erosion control function in accordance with Section 8-01.3(1) for a minimum of 3 months, or until temporary vegetation has been established, whichever comes first.

- 28 29
- Moderate-Term Mulch shall not be used in conjunction with permanent seeding.

# 3031 9-14.4(2)C Short-Term Mulch

32 This section is revised to read:

33

Short-Term Mulch shall effectively perform the intended erosion control function in accordance with Section 8-01.3(1) for a minimum of 2 months, or until temporary vegetation has been established, whichever comes first. Short-Term Mulch shall not be used in conjunction with permanent seeding.

38

## 39 Section 9-16, Fence and Guardrail

40 August 6, 2018

## 41 9-16.3(1) Rail Element

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

- 1 All rail elements shall be formed from 12-gage steel except for thrie beam reducer 2 sections, reduced length thrie beam rail elements, thrie beams used for bridge rail 3 retrofits, and Design F end sections, which shall be formed from 10-gage steel.
- 4 5

### 9-16.3(5) Anchors

6 The last paragraph is revised to read:

- Cement grout shall conform to Section 9-20.3(4) and consist of one part portland cement or blended hydraulic cement and two parts sand.
- 9 10

## 11 Section 9-18, Precast Traffic Curb

12 April 2, 2018

## 13 9-18.1(1) Aggregates and Proportioning

- 14 Item number 1 of the first paragraph is revised to read:
- 15
- 16 17
- Portland cement or blended hydraulic cement shall conform to the requirements of Section 9-01 except that it may be Type I portland cement conforming to AASHTO
- 18
- 19

### 20 Section 9-20, Concrete Patching Material, Grout, and Mortar

21 August 6, 2018

### 22 9-20.1 Patching Material

M 85.

- 23 This section, including title, is revised to read:
- 24 25

### 9-20.1 Patching Material for Cement Concrete Pavement

- 26 Concrete patching material shall be prepackaged mortar extended with aggregate. The 27 amount of aggregate for extension shall conform to the manufacturer's 28 recommendation.
- 29

Patching mortar and patching mortar extended with aggregate shall contain
 cementitious material and conform to Sections 9-20.1(1) and 9-20.1(2). The
 Manufacturer shall use the services of a laboratory that has an equipment calibration
 verification system and a technician training and evaluation process in accordance with
 AASHTO R 18 to perform all tests specified in Section 9-20.1.

35 36

### 9-20.1(1) Patching Mortar

- 37 Patching mortar shall conform to the following requirements:38
  - Compressive **ASTM Test Method Specification** Strength at 3 hours C 39 Minimum 3,000 psi at 24 hours C 39 Minimum 5,000 psi Length Change at 28 days C 157 0.15 percent maximum Total Chloride C 1218 1 lb/yd<sup>3</sup> maximum lon Content Bond Strength

	by C 928, Section 9.5)	
Scaling Resistance (at 25 cycles of freezing and thawing)	C 672 (As modified by C 928, Section 9.4)	1 lb/ft <sup>2</sup> maximum

#### 9-20.1(2) Patching Mortar Extended with Aggregate

Patching mortar extended with aggregate shall meet the following requirements:

Compressive Strength	ASTM Test Method	Specification
at 3 hours	C 39	Minimum 3,000 psi
at 24 hours	C 39	Minimum 5,000 psi
Length Change		
at 28 days	C 157	0.15 percent maximum
Bond Strength		
at 24 hours	C 882 (As modified by ASTM C928, Section 9.5)	Minimum 1,000 psi
Scaling Resistance (at 25 cycles of freezing and thawing)	C 672	2 Maximum Visual Rating
Freeze thaw	C 666	Maximum expansion 0.10% Minimum durability 90.0%

5 6

7

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9

10

#### 9-20.1(3) Aggregate

Aggregate used to extend the patching mortar shall conform to Section 9-03.1(4) and be AASHTO Grading No. 8. A Manufacturer's Certificate of Compliance shall be submitted showing the aggregate source and the gradation. Mitigation for Alkali Silica Reaction (ASR) will not be required for the extender aggregate used for concrete patching material.

11 12 13

14

15

16

#### 9-20.1(4) Water

Water shall meet the requirements of Section 9-25.1. The quantity of water shall be within the limits recommended by the repair material manufacturer.

### 17 9-20.2 Specifications

18 This section, including title, is revised to read:

19 20

### 9-20.2 Patching Material for Concrete Structure Repair

Concrete patching material shall be a prepackaged mixture of portland or blended hydraulic cement, aggregate, and admixtures. Fly ash, ground granulated blast furnace slag and microsilica fume may be used. The concrete patching material may be shrinkage compensated. The concrete patching material shall also meet the following requirements:

26 27

28

 Compressive strength of 6000 psi or higher at 28 days in accordance with AASHTO T 22 (ASTM C 39), unless noted otherwise

- 1 2 Bond strength of 250 psi or higher at 28 days or less in accordance with ASTM • 3 C 1583 or ICRI 210.3R 4 5 Shrinkage shall be 0.05 percent (500 microstrain) or lower at 28 days in ٠ 6 accordance with AASHTO T 160 (ASTM C 157) as modified by ICRI 320.3R 7 8 Permeability shall be 2,000 coulombs or lower at 28 days in accordance with • 9 AASHTO T 277 (ASTM C 1202) 10 11
  - Freeze-thaw resistance shall have a durability factor of 90 percent or higher after a minimum of 300 cycles in accordance with AASHTO T 161 Procedure A (ASTM C 666)
    - Soluble chloride ion limits in Section 6-02.3(2) shall be satisfied

## 17 9-20.2(1) Patching Mortar

18 This section, including title, is deleted in its entirety.

## 20 9-20.2(2) Patching Mortar Extended with Aggregate

This section, including title, is deleted in its entirety.

## 23 9-20.5 Bridge Deck Repair Material

- 24 Item number 3 of the first paragraph is revised to read:
- 25 26

12

13

14 15

16

19

- Permeability of less than 2,000 coulombs at 28-days or more in accordance with AASHTO T 277.
- 27 28
- 29 Section 9-21, Raised Pavement Markers (RPM)
- 30 January 2, 2018

## 31 9-21.2 Raised Pavement Markers Type 2

- 32 This section's content is deleted.
- 33

## 34 9-21.2(1) Physical Properties

- 35 This section, including title, is revised to read:
- 36 37

## 9-21.2(1) Standard Raised Pavement Markers Type 2

- The marker housing shall contain reflective faces as shown in the Plans to reflect incident light from either a single or opposite directions and meet the requirements of ASTM D 4280 including Flexural strength requirements.
- 41

## 42 9-21.2(2) Optical Requirements

- 43 This section, including title, is revised to read:
- 44

## 45 9-21.2(2) Abrasion Resistant Raised Markers Type 2

Abrasion Resistant Raised Markers Type 2 shall comply with Section 9-21.2(1) and meet the requirements of ASTM D 4280 with the following additional requirement: The coefficient of luminous intensity of the markers shall be measured after subjecting the entire lens surface to the test described in ASTM D 4280 Section 9.5 using a sand drop apparatus. After the exposure described above, retroreflected values shall not be less than 0.5 times a nominal unblemished sample.

2 3 4

1

## 9-21.2(3) Strength Requirements

5 This section is deleted in its entirety.

- 6 7
  - Section 9-26, Epoxy Resins
- 8 April 2, 2018

## 9 9-26.1(2) Packaging and Marking

10 The second paragraph is revised to read:

11

12 Containers shall be identified as "Component A" (contains the Epoxy Resin) and 13 "Component B" (Contains the Curing Agent) and shall show the type, grade, class, and 14 mixing directions as defined by these Specifications. Each container shall be marked by 15 permanent marking with the name of the formulator, the lot or batch number, the date of 16 packaging, expiration date and the quantity contained in pounds or gallons. If the two 17 containers are furnished in a single cartridge, that cartridge shall be marked by 18 permanent marking to the cartridge with the name of the formulator and the lots or batch 19 numbers for both Component A and Component B, the date of packaging, expiration 20 date, and the quantity contained in ounces or milliliters.

21

## 22 Section 9-28, Signing Materials and Fabrication

23 April 2, 2018

### 24 9-28.10 Vacant

This section, including title, is revised to read:

## 27 9-28.10 Digital Printing

28 Transparent and opaque durable inks used in digital printed sign messages shall be as 29 recommended by the manufacturer. When properly applied, digital printed colors shall 30 have a warranty life of the base retroreflective sign sheeting. Digital applied colors shall present a smooth surface, free from foreign material, and all messages and borders 31 32 shall be clear and sharp. Digital printed signs shall conform to 70% of the retroreflective 33 minimum values established for its type and color. Digitally printed signs shall meet the 34 daytime color and luminance, and nighttime color requirements of ASTM D 4956. No 35 variations in color or overlapping of colors will be permitted. Digital printed permanent 36 traffic signs shall have an integrated engineered match component clear protective 37 overlay recommended by the sheeting manufacturer applied to the entire face of the 38 sign. On Temporary construction/maintenance signs printed with black ink only, the 39 protective overlay film is optional, as long as the finished sign has a warranty of a 40 minimum of three years from sign sheeting manufacturer.

41

All digital printed traffic control signs shall be an integrated engineered match
 component system. The integrated engineered match component system shall consist
 of retroreflective sheeting, durable ink(s), and clear overlay film all from the same
 manufacturer applied to aluminum substrate conforming to Section 9-28.8.

46

The sign fabricator shall use an approved integrated engineered match component system as listed on the Qualified Products List (QPL). Each approved digital printer shall only use the compatible retroreflective sign sheeting manufacturer's engineered
 match component system products.

Each retroreflective sign sheeting manufacturer/integrated engineered match component system listed on the QPL shall certify a department approved sign fabricator is approved to operate their compatible digital printer. The sign fabricator shall re-certify annually with the retroreflective sign manufacturer to ensure their digital printer is still meeting manufacturer's specifications for traffic control signs. Documentation of each re-certification shall be submitted to the QPL Engineer annually.

10

3

## 11 9-28.11 Hardware

12 The last paragraph is revised to read:

13 14

All steel parts shall be galvanized in accordance with AASHTO M111. Steel bolts and related connecting hardware shall be galvanized in accordance with ASTM F 2329.

15 16

19 20

## 17 9-28.14(2) Steel Structures and Posts

18 The first sentence of the third paragraph is revised to read:

Anchor rods for sign bridge and cantilever sign structure foundations shall conform to Section 9-06.5(4), including Supplemental Requirement S4 tested at -20°F.

21 22

In the second sentence of the fourth paragraph, "AASHTO M232" is revised to read "ASTM
 F 2329".

25

28

29

30

The first sentence of the fifth paragraph is revised to read:

Except as otherwise noted, steel used for sign structures and posts shall have a controlled silicon content of either 0.00 to 0.06 percent or 0.15 to 0.25 percent.

- 31 The last sentence of the last paragraph is revised to read:
- 32 33

If such modifications are contemplated, the Contractor shall submit a Type 2 Working

- 34 Drawing of the proposed modifications.
- 35

## 36 Section 9-29, Illumination, Signal, Electrical

37 August 6, 2018

## 38 9-29.1 Conduit, Innerduct, and Outerduct

39 This section is supplemented with the following new subsection:

#### 40 41 9-29.1(10) Pull Tape

- 42 Pull tape shall be pre-lubricated polyester pulling tape. The pull tape shall have a 43 minimum width of ½-inch and a minimum tensile strength of 500 pounds. Pull tape may 44 have measurement marks.
- 45

## 46 9-29.2(1) Junction Boxes

- 47 The first paragraph is revised to read:
- 48
- 49 For the purposes of this Specification concrete is defined as portland cement or blended 50 hydraulic cement concrete and non-concrete is all others.

4

## 9-29.2(1)A2 Non-Concrete Junction Boxes

3 The first paragraph is revised to read:

- 5 Material for the non-concrete junction boxes shall be of a quality that will provide for a 6 similar life expectancy as portland cement or blended hydraulic cement concrete in a 7 direct burial application.
- 8

## 9 9-29.2(2) A Standard Duty Cable Vaults and Pull Boxes

10 In the table in the last paragraph, the fourth, fifth and sixth rows are revised to read:

11

Slip Resistant Lid	ASTM A36 steel
Frame	ASTM A36 steel
Slip Resistant Frame	ASTM A36 steel

12 13

## 9-29.6 Light and Signal Standards

In the first sentence of the third paragraph, "AASHTO M232" is revised to read "ASTM F
2329".

- 17 Item number 2 of the last paragraph is revised to read:
- 18 19

20

21

22

25

- The steel light and signal standard fabricator's shop drawing submittal, including supporting design calculations, submitted as a Type 2E Working Drawing in accordance with Section 8-20.2(1) and the Special Provisions.
- 23 9-29.6(1) Steel Light and Signal Standards
- 24 In the second paragraph, "AASHTO M232" is revised to read "ASTM F 2329".
- 26 The first sentence of the last paragraph is revised to read:
- 27 28
- Steel used for light and signal standards shall have a controlled silicon content of either 0.00 to 0.06 percent or 0.15 to 0.25 percent.
- 29 30

33

## 31 9-29.6(5) Foundation Hardware

32 In the last paragraph, "AASHTO M232" is revised to read "ASTM F 2329".

## 34 9-29.10(1) Conventional Roadway Luminaires

35 This section is revised to read:

- 36
- All conventional roadway luminaires shall meet 3G vibration requirements as describedin ANSI C136.31.
- 39

All luminaires shall have housings fabricated from aluminum. The housing shall be
painted flat gray, SAE AMS Standard 595 color chip No. 26280, unless otherwise
specified in the Contract. Painted housings shall withstand a 1,000 hour salt spray test
as specified in ASTM B117.

- 44
- Each housing shall include a four bolt slip-fitter mount capable of accepting a nominal 2"
- tenon and adjustable within +/- 5 degrees of the axis of the tenon. The clamping
   bracket(s) and the cap screws shall not bottom out on the housing bosses when

1 2 3 4 5	adjustee luminair used fo include	d within the +/- 5 degree range. No part of the slipfitter mounting brackets on the res shall develop a permanent set in excess of 0.2 inch when the cap screws r mounting are tightened to a torque of 32 foot-pounds. Each luminaire shall leveling reference points for both transverse and longitudinal adjustment.
6 7 8 9 10	All lumin provide installed the Con the option	naires shall include shorting caps when shipped. The caps shall be removed and d to the Contracting Agency when an alternate control device is required to be d in the photocell socket. House side shields shall be included when required by stract. Order codes shall be modified to the minimum extent necessary to include on for house side shields.
12 13	This section	is supplemented with the following new subsections:
14 15	9-29.10 Lumina	0(1)A High Pressure Sodium (HPS) Conventional Roadway aires
16 17	HPS co	nventional roadway luminaires shall meet the following requirements:
18 19 20	1.	General shape shall be "cobrahead" style, with flat glass lens and full cutoff optics.
21 22	2.	Light pattern distribution shall be IES Type III.
23 24 25 26	3.	The reflector of all luminaires shall be of a snap-in design or secured with screws. The reflector shall be polished aluminum or prismatic borosilicate glass.
20 27 28 29	4.	Flat lenses shall be formed from heat resistant, high-impact, molded borosilicate or tempered glass.
30 31 32 33 34 35 36	5.	The lens shall be mounted in a doorframe assembly, which shall be hinged to the luminaire and secured in the closed position to the luminaire by means of an automatic latch. The lens and doorframe assembly, when closed, shall exert pressure against a gasket seat. The lens shall not allow any light output above 90 degrees nadir. Gaskets shall be composed of material capable of withstanding the temperatures involved and shall be securely held in place.
37 38 39 40	6.	The ballast shall be mounted on a separate exterior door, which shall be hinged to the luminaire and secured in the closed position to the luminaire housing by means of an automatic type of latch (a combination hex/slot stainless steel screw fastener may supplement the automatic-type latch).
41 42 43 44	7.	Each luminaire shall be capable of accepting a 150, 200, 250, 310, or 400 watt lamp complete and associated ballast. Lamps shall mount horizontally.
45 46 47 48 49 50 51	<b>9-29.10</b> LED C equivale 310W, their ph the requ	<b>D(1)B Light Emitting Diode (LED) Conventional Roadway Luminaires</b> onventional Roadway Luminaires are divided into classes based on their ent High Pressure Sodium (HPS) luminaires. Current classes are 200W, 250W, and 400W. LED luminaires are required to be pre-approved in order to verify otometric output. To be considered for pre-approval, LED luminaires must meet uirements of this section.

LED luminaires shall include a removable access door, with tool-less entry, for access to electronic components and the terminal block. The access door shall be removable, but include positive retention such that it can hang freely without disconnecting from the luminaire housing. LED drivers may be mounted either to the interior of the luminaire housing or to the removable door itself.

6 7

8

9

- LED drivers shall be removable for user replacement. All internal modular components shall be connected by means of mechanical plug and socket type quick disconnects. Wire nuts may not be used for any purpose. All external electrical connections to the luminaire shall be made through the terminal block.
- 10 11
- LED luminaires shall include a 7-pin NEMA photocell receptacle. The LED driver(s) shall be dimmable from ten volts to zero volts. LED output shall have a Correlated Color Temperature (CCT) of 4000K nominal (4000-4300K) and a Color Rendering Index (CRI) of 70 or greater. LED output shall be a minimum of 85% at 75,000 hours at 25 degrees Celsius.
- 17
- LED luminaires shall be available for 120V, 240V, and 480V supply voltages. Voltages
   refer to the supply voltages to the luminaires present in the field. LED power usage shall
   not exceed the following maximum values for the applicable wattage class:
- 21

Class	Max. Wattage
200W	110W
250W	165W
310W	210W
400W	275W

22

Only one brand of LED conventional roadway luminaire may be used on a Contract.
 They do not necessarily have to be the same brand as any high-mast, underdeck, or
 wall-mount luminaires when those types of luminaires are specified in the Contract.
 LED luminaires shall include a standard 10 year manufacturer warranty.

27 28

29

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35

The list of pre-approved LED Conventional Roadway Luminaires is available at http://www.wsdot.wa.gov/Design/Traffic/ledluminaires.htm.

## 31 9-29.10(2) Decorative Luminaires

32 This section, including title, is revised to read: 33

## 9-29.10(2) Vacant

## 36 9-29.12 Electrical Splice Materials

37 This section is supplemented with the following new subsections:

38 39

40

## 9-29.12(3) Splice Enclosures

## 9-29.12(3)A Heat Shrink Splice Enclosure

Heat shrink splice enclosures shall be medium or heavy wall cross-linked
polyolefin, meeting the requirements of AMS-DTL-23053/15, with thermoplastic
adhesive sealant. Heat shrink splices used for "wye" connections require rubber
electrical mastic tape.

2

3

4

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## 9-29.12(3) B Molded Splice Enclosure

Molded splice enclosures shall use epoxy resin in a clear rigid plastic mold. The material used shall be compatible with the insulation material of the insulated conductor or cable. The component materials of the resin insulation shall be packaged ready for convenient mixing without removing from the package.

## 9-29.12(4) Re-Enterable Splice Enclosure

Re-enterable splice enclosures shall use either dielectric grease or a flexible resin 9 contained in a two-piece plastic mold. The mold shall either snap together or use 10 stainless steel hose clamps.

11 12

## 9-29.12(5) Vinyl Electrical Tape for Splices

Vinyl electrical tape in splicing applications shall meet the requirements of MIL-I-24391C.

14 15

13

#### 9-29.12(1) Illumination Circuit Splices 16

17 This section is revised to read:

- 18
- 19 Underground illumination circuit splices shall be solderless crimped connections 20 capable of securely joining the wires, both mechanically and electrically, as defined in 21 Section 8-20.3(8). Aerial illumination splices shall be solderless crimp connectors or split 22 bolt vice-type connectors.
- 23

#### 24 9-29.12(1) A Heat Shrink Splice Enclosure

25 This section is deleted in its entirety. 26

#### 27 9-29.12(1) B Molded Splice Enclosure

28 This section is deleted in its entirety. 29

#### 30 9-29.12(2) Traffic Signal Splice Material

- 31 This section is revised to read:
- 32
- 33 Induction loop splices and magnetometer splices shall use an uninsulated barrel-type 34 crimped connector capable of being soldered.
- 35

#### 36 9-29.16(2) E Painting Signal Heads

37 In the first sentence, "Federal Standard 595" is revised to read "SAE AMS Standard 595".

38

#### 39 9-29.17 Signal Head Mounting Brackets and Fittings

40 In the first paragraph, item number 2 under Stainless Steel is revised to read:

- 41 42
- 2. Bands or cables for Type N mount.
- 43

#### 44 9-29.20 Pedestrian Signals

- 45 In item 2C of the second paragraph, "Federal Standard 595" is revised to read "SAE AMS Standard 595". 46
- 47

#### 9-29.24 Service Cabinets 48

- 49 The third sentence of item number 6 is revised to read:
- 50

- The dead front cover shall have cutouts for the entire breaker array, with blank covers where no circuit breakers are installed.
- Item number 8 is revised to read:
- 5 6 7

2

3 4

- 8. Lighting contactors shall meet the requirements of Section 9-29.24(2).
- 8 The last sentence of item number 10 is revised to read: 9
- 10 Dead front panels shall prevent access to any exposed, live components, and shall 11 cover all equipment except for circuit breakers (including blank covers), the photocell 12 test/bypass switch, and the GFCI receptacle. 13

## 14 9-29.24(2) Electrical Circuit Breakers and Contactors

15 This section is revised to read:

16

All circuit breakers shall be bolt-on type, with the RMS-symmetrical interrupting capacity described in this Section. Circuit breakers for 120/240/277 volt circuits shall be rated at 240 or 277 volts, as applicable, with an interrupting capacity of not less than 10,000 amperes. Circuit breakers for 480 volt circuits shall be rated at 480 volts, and shall have an interrupting capacity of not less than 14,000 amperes.

22

Lighting contactors shall be rated for tungsten or ballasted (such as sodium vapor, mercury vapor, metal halide, and fluorescent) lamp loads. Contactors for 120/240/277 volt circuits shall be rated at 240 volts maximum line to line voltage, or 277 volts maximum line to neutral voltage, as applicable. Contactors for 480 volt circuits shall be rated at 480 volt maximum line to line voltage.

28

## 29 Section 9-33, Construction Geosynthetic

30 August 6, 2018

### 31 9-33.4(1) Geosynthetic Material Approval

- 32 The second sentence of the first paragraph is revised to read:
- 33

If the geosynthetics material is not listed in the current WSDOT QPL, a Manufacturer's
 Certificate of Compliance including Certified Test Reports of each proposed
 geosynthetic shall be submitted to the State Materials Laboratory in Tumwater for
 evaluation.

- 38
- 39 The last paragraph is revised to read:

40

41 Geosynthetics used as reinforcement in permanent geosynthetic retaining walls, 42 reinforced slopes, reinforced embankments, and other geosynthetic reinforcement 43 applications require proof of compliance with the National Transportation Product 44 Evaluation Program (NTPEP) in accordance with AASHTO Standard Practice R 69, 45 Standard Practice for Determination of Long-Term Strength for Geosynthetic 46 Reinforcement.

## 1 Section 9-34, Pavement Marking Material

### 2 January 2, 2018

## 3 9-34.2(2) Color

4 Each reference to "Federal Standard 595" is revised to read "SAE AMS Standard 595".

# 5 9-34.2(5) Low VOC Waterborne Paint

The heading "Standard Waterborne Paint" is supplemented with "Type 1 and 2".

9 The heading "High-Build Waterborne Paint" is supplemented with "Type 4".

10

7

8

11 The heading "Cold Weather Waterborne Paint" is supplemented with "Type 5".

12 13

In the row beginning with "° @90°F", each minimum value is revised to read "60".

14

15 In the row beginning with "Fineness of Grind, (Hegman Scale)", each minimum value is 16 revised to read "3".

17

18 The last four rows are replaced with the following:

19

Vehicle	ASTM D	100% acrylic	100% cross-linking	100% acrylic
Composition	2621	emulsion	acrylic <sup>4</sup>	emulsion
Freeze-Thaw	ASTM D	@ 5 cycles show	@ 5 cycles show	@ 3 cycles show
Stability, KU	2243 and	no coagulation or	no coagulation or	no coagulation or
	D 562	change in viscosity	change in viscosity	change in viscosity
		greater than ± 10	greater than ± 10	greater than ± 10
		КU	КU	КU
Heat Stability	ASTM D	± 10 KU from the	± 10 KU from the	± 10 KU from the
	562 <sup>2</sup>	initial viscosity	initial viscosity	initial Viscosity
Low	ASTM D	No Cracks*		No Cracks
Temperature	2805 <sup>3</sup>			
Film Formation				
Cold Flexibility <sup>5</sup>	ASTM	Pass at 0.5 in		
	D522	mandrel*		
Test Deck	ASTM	≥70% paint		
Durability <sup>6</sup>	D913	retention in wheel		
		track*		
Mud Cracking	(See note	No Cracks	No Cracks	
	7)			

20

21 After the preceding Amendments are applied, the following new column is inserted after the

22 "Standard Waterborne Paint Type 1 and 2" column:

23

Semi-Durable Waterborne Paint Type 3			
Wh	nite	Yel	low
Min.	Max.	Min.	Max.
Within ±	0.3 of qua	alification	sample
80	95	80	95
60		60	
77		77	

2019 HAUL OUT & MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1 AMENDMENTS TO THE STANDARD SPECIFICATIONS AUGUST, 2018 73

	65		65
43		43	
	1.25		1.25
3		3	
0.98		0.96	
88		50	
100°		100°	
9.5		9.5	
	10		10
100% acrylic emulsion			
@ 5 cycles show no coagulation or			
change in viscosity greater than ±			
10 KU			
± 10 KU from the initial viscosity			
No Cracks			
Pass at 0.25 in mandrel			
≥70% paint retention in wheel track			
No Cracks			

> 3 4

5

6

The footnotes are supplemented with the following:

<sup>4</sup>Cross-linking acrylic shall meet the requirements of federal specification TT-P-1952F Section 3.1.1.

7 <sup>5</sup>Cold Flexibility: The paint shall be applied to an aluminum panel at a wet film thickness 8 of 15 mils and allowed to dry under ambient conditions (50±10% RH and 72±5 °F) for 24 9 hours. A cylindrical mandrel apparatus (in accordance with ASTM D522 method B) shall 10 be put in a 40°F refrigerator when the paint is drawn down. After 24 hours, the 11 aluminum panel with dry paint shall be put in the 40°F refrigerator with the mandrel apparatus for 2 hours. After 2 hours, the panel and test apparatus shall be removed and 12 13 immediately tested to according to ASTM D522 to evaluate cold flexibility. Paint must 14 show no evidence of cracking, chipping or flaking when bent 180 degrees over a 15 mandrel bar of specified diameter.

16

<sup>6</sup>NTPEP test deck, or a test deck conforming to ASTM D713, shall be conducted for a
minimum of six months with the following additional requirements: it shall be applied at
15 wet mils to a test deck that is located at 40N latitude or higher with at least 10,000
ADT and which was applied during the months of September through November.

21 22

23

<sup>7</sup>Paint is applied to an approximately 4"x12" aluminum panel using a drawdown bar with a 50 mil gap. The coated panel is allowed to dry under ambient conditions ( $50\pm10\%$  RH and  $72\pm5$  °F) for 24 hours. Visual evaluation of the dry film shall reveal no cracks.

24 25

## 26 9-34.3 Plastic

In the first sentence of the last paragraph, "Federal Standard 595" is revised to read "SAEAMS Standard 595".

29

## 30 9-34.3(2) Type B – Pre-Formed Fused Thermoplastic

In the last two paragraphs, each reference to "Federal Standard 595" is revised to read "SAE AMS Standard 595".

#### 1 9-34.7(1) Requirements

2 The first paragraph is revised to read: 3

4 Field performance evaluation is required for low VOC solvent-based paint per Section 9-5 34.2(4), Type A - liquid hot applied thermoplastic per Section 9-34.3(1), Type B -6 preformed fused thermoplastic per Section 9-34.3(2), Type C – cold applied preformed tape per Section 9-34.3(3), and Type D – liquid applied methyl methacrylate per Section 9-34.3(4). 9

10 The last paragraph is deleted.

11

7

8

#### 12 9-34.7(1)C Auto No-Track Time

13 The first paragraph is revised to read:

- 14
- 15 Auto No-Track Time will only be required for low VOC solvent-based paint in accordance with Section 9-34.2(4). 16

17

18 The second and third sentences of the second paragraph are deleted.

1	SPECIAL PROVISIONS
2 3 4 5 6	The following Special Provisions are made a part of this contract and supersede any conflicting provisions of the 2018 Standard Specifications for Road, Bridge and Municipal Construction and the foregoing Amendments to the Standard Specifications.
7 8 9	Several types of Special Provisions are included in this contract; General, Region, Bridges and Structures, and Project Specific. Special Provisions types are differentiated as follows:
9 10 11 12 13 14 15 16 17 18 19	(date) (*****)General Special Provision Notes a revision to a General Special Provision and also notes a Project Specific Special Provision.Bold & Underlined (Regions1 date)Indicates a minor addition to a Special Provision Region Special Provision(BSP date) (date APWA GSP)Bridges and Structures Special Provision, which has been approved by the APWA Div. 1 Subcommittee.(date SkagitR) (date SkagitF)Skagit County General Special Provision
20 21 22 23 24	<b>General Special Provisions</b> are similar to Standard Specifications in that they typically apply to many projects, usually in more than one Region. Usually, the only difference from one project to another is the inclusion of variable project data, inserted as a "fill-in".
25 26 27	<b>Region Special Provisions</b> are commonly applicable within the designated Region. Region designations are as follows:
28 29 30 31	Regions <sup>1</sup> NWR Northwest Region WSF Washington State Ferries Division
32 33 34 35 36	<b>Bridges and Structures Special Provisions</b> are similar to Standard Specifications in that they typically apply to many projects, usually in more than one Region. Usually, the only difference from one project to another is the inclusion of variable project data, inserted as a "fill-in".
37 38 39	<b>Project Specific Special Provisions</b> normally appear only in the contract for which they were developed.
40 41 42	Skagit County General Special Provisions are only applicable in Skagit County Public Works contracts.
43 44 45	<b>Skagit County Ferry General Special Provisions</b> are only applicable in Skagit County Ferry Public Works contracts.

1 2 3		Division 1 General Requirements
3 4 5	DE	ESCRIPTION OF WORK
5 6 7	(August 3	1, 2016 SkagitF)
7 8 9 10	This Cont M/V GUE these Cor	ract provides for the haul-out and maintenance of the Vehicle and Passenger Ferry MES. All work shall be performed in accordance with the attached Contract Plans, ntract Provisions, and the 2018 Standard Specifications.
12	Contracto	r's shipyard and dry dock facility shall be located within the inland waters of the
13	state of W	/ashington and within 90 nautical miles from Anacortes, Washington.
14	1-01	Definitions and Terms
16 17 18	<b>1-01.3</b> (January -	Definitions 4, 2016 APWA GSP)
20 21	Delete the them with	e heading <b>Completion Dates</b> and the three paragraphs that follow it, and replace the following:
22	Dates	
24	<b>Bi</b>	<b>d Opening Date</b>
25	Th	le date on which the Contracting Agency publicly opens and reads the Bids.
26	Av	<i>ward Date</i>
27	Th	le date of the formal decision of the Contracting Agency to accept the lowest
28	res	sponsible and responsive Bidder for the Work.
29	Co	ontract Execution Date
30	Th	le date the Contracting Agency officially binds the Agency to the Contract.
31	<b>No</b>	<b>butice to Proceed Date</b>
32	Th	the date stated in the Notice to Proceed on which the Contract time begins.
33	<b>S</b> ເ	<i>ubstantial Completion Date</i>
34	Th	le day the Engineer determines the Contracting Agency has full and unrestricted
35	us	e and benefit of the facilities, both from the operational and safety standpoint, any
36	reı	maining traffic disruptions will be rare and brief, and only minor incidental work,
37	reı	placement of temporary substitute facilities, plant establishment periods, or
38	co	rrection or repair remains for the Physical Completion of the total Contract.
39	<b>Pł</b>	nysical Completion Date
40	Th	the day all of the Work is physically completed on the project. All documentation
41	rec	quired by the Contract and required by law does not necessarily need to be
42	fur	mished by the Contractor by this date.
43	Co	<b>Completion Date</b>
44	Th	be day all the Work specified in the Contract is completed and all the obligations of
45	the	the Contractor under the contract are fulfilled by the Contractor. All documentation
46	rec	guired by the Contract and required by law must be furnished by the Contractor

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".

9 10

1

2

3 4

5 6

7

8

- 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.
- 14
- All references to "State Materials Laboratory" shall be revised to read "ContractingAgency designated location".
- 17

21 22

- 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.

26 27

## 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.

31 32

## Business Day

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

## 36 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.

40

## 41 **Contract Documents**

42 See definition for "Contract".

#### 43 44 **C**on

- 44 Contract Time
- The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.
- 47

## 48 Notice of Award

- 49 The written notice from the Contracting Agency to the successful Bidder signifying the
- 50 Contracting Agency's acceptance of the Bid Proposal.
- 51

1	Notice to Proceed
2	The written notice from the Contracting Agency or Engineer to the Contractor authorizing
3	and directing the Contractor to proceed with the Work and establishing the date on which
4	the Contract time begins.
5	
6	Traffic
7	Both vehicular and non-vehicular traffic such as pedestrians bicyclists wheelchairs and
8	equestrian traffic
ğ	
10	Section 1.01.3 is supplemented with the following:
10	Section 1-01.5 is supplemented with the following.
10	(January 12, 2015 SkaritE)
12	(January 13, 2013 Skayir)
13	
14	County or Owner
15	Where the terms "Owner" or "County" are used, they refer to Skagit County or its
16	authorized Representative who will have exclusive authority to approve work performed,
17	changes other than to plans, substitutions, etc.
18	
19	Naval Architect
20	A Naval Architecture firm with a <i>professional</i> license to do business in the State of
21	Washington
22	•
23	No. 1 End
24	"No. 1 End" refers to the end of the vessel that corresponds to the #1 void.
25	
26	No. 2 End
27	"No. 2 End" refers to the end of the vessel that corresponds to the #8 void
28	
20	Supplier
29	Supplier Venders or product distributors from which the Contractor will purchase machinery and
30	
31	outiliting items of services.
32	
33	
34	1-02 BID PROCEDURES AND CONDITIONS
35	
36	1-02.1 Prequalification of Bidders
37	
38	Delete this section and replace it with the following:
39	
40	1-02.1 Qualifications of Bidder
41	(January 24, 2011 APWA GSP)
42	
43	Before award of a public works contract, a bidder must meet at least the minimum
44	qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified
45	to be awarded a public works project.
46	
47	Add the following new section:
48	
-0 /0	
+3 50	1.02.2 Plans and Specifications
50 E4	
ЭI	(July 14, ZUTO SKAYIIK).

1							
2	Section 1-02.2 is revised to read:						
3							
4	After award of the contract, plans and specifications will be issued to the Contractor at no						
5	cost as detailed below:						
6							
7		To Pr	ime Contractor	No. of	Sets	Basis of Distribution	
8							
9		Red	uced plans (11" x 17")		3	Furnished automatically	
10		and	Contract Provisions			upon award.	
11							
12		Larg	e plans (22" x 34")		1	Furnished only upon	
13		and	Contract Provisions			request.	
14							
15	1-02.6		Preparation of Pro	posal			
16							
17	(August	t 2, 20	04)				
18	The fifth	n and s	sixth paragraphs of Se	ction 1-	02.6 ar	e deleted.	
19							
20	1-02.9	De	elivery of Proposal				
21	(July 14	1, 2016	6 SkagitR)				
22							
23	Delete S	Sectio	n 1-02.9 and replace it	with th	e follov	ving:	
24							
25	Ea	ch pro	oposal shall be submi	tted in	a seal	ed envelope, with the Project Name and	
26	Project Number as stated in the Call for Bids clearly marked on the outside of the						
27	envelope, or as otherwise required in the Bid Documents, to ensure proper handling						
28	and	d deliv	ery.				
29		~	<b>.</b>				
30	Ihe	e Con	tracting Agency will no	t open o	or cons	ider any Bid Proposal that is received after	
31	the time specified in the Call for Bids for receipt of Bid Proposals, or received in a						
32	loc	ation	other than that specifie	d in the	e Call to	or Bids.	
33							
34	1-02.12	2 Pl	iblic Opening Of Pr	oposa	1		
35	(July 14	4, 2016	6 SkagitR)				
36	<b>•</b> •						
37	Section	1-02.	12 is supplemented wi	th the fo	ollowing	g:	
38	<u> </u>						
39	Sealed	bids s	shall be received at the	e time a	and loc	ation specified in the Call for Bids, unless	
40	modified	d by a	ddenda.				
41	4 00 40						
42	1-02.13	Irr	egular Proposals				
43	(June 2	0, 201	7 APWA GSP)				
44			-tion and sould be it with				
45	Delete this section and replace it with the following:						
40 47	4		aaal will be sensidere	dirrage	Jor on -	will be rejected if:	
4/ 10	1. /	A Prop	The Didder is not and	u irregu	uar and d where	i will be rejected IT:	
40 10	i	d. h	The outborized Dree	qualifie	u wrien m furnir	No required,	
49 50		υ.	une autionzeu Propo	Jsai ion		shed by the Contracting Agency is not	
50			used of is allered,				

1	С.	The completed Proposal form contains any unauthorized additions, deletions, alternate Ride, or conditions:
2	d	The Didder adda provisions recerving the right to reject or accent the owerd
3	u.	or optor into the Contract:
4 5	0	A price per unit connect be determined from the Pid Proposal:
о С	e. f	A price per unit cannot be determined from the Bid Proposal,
0	Ι.	The Proposal form is not properly executed,
1	g.	The Bidder fails to submit or properly complete a Subcontractor list, if
8	Ŀ	applicable, as required in Section 1-02.6;
9	n.	The Bidder fails to submit or properly complete an Underutilized
10		Disadvantaged Business Enterprise Certification, if applicable, as required in
11		Section 1-02.6;
12	I.	The Bidder fails to submit written confirmation from each UDBE firm listed on
13		the Bidder's completed UDBE Utilization Certification that they are in
14		agreement with the bidder's UDBE participation commitment, if applicable, as
15		required in Section 1-02.6, or if the written confirmation that is submitted fails
16		to meet the requirements of the Special Provisions;
17	j	The Bidder fails to submit UDBE Good Faith Effort documentation, if
18		applicable, as required in Section 1-02.6, or if the documentation that is
19		submitted fails to demonstrate that a Good Faith Effort to meet the Condition
20		of Award was made;
21	k.	The Bid Proposal does not constitute a definite and unqualified offer to meet
22		the material terms of the Bid invitation; or
23	Ι.	More than one Proposal is submitted for the same project from a Bidder
24		under the same or different names.
25		
26	2. A Prop	osal may be considered irregular and may be rejected if:
27	a.	The Proposal does not include a unit price for every Bid item:
28	b.	Any of the unit prices are excessively unbalanced (either above or below the
29		amount of a reasonable Bid) to the potential detriment of the Contracting
30		Agency.
31	C	Receipt of Addenda is not acknowledged:
32	d. d	A member of a joint venture or partnership and the joint venture or
33	ч.	narthershin submit Proposals for the same project (in such an instance, both
34		Bids may be rejected): or
35	۵	If Pronosal form entries are not made in ink
36	0.	in roposarionn entries are not made in ink.
37		squalification of Bidders
38	(100, 31, 2017)	APWA GSP Ontion B
30 30	(July 31, 2017	
10 10	Doloto this so	ction and replace it with the following:
40 11		
41 10		will be deemed not responsible if the Ridder does not meet the mandatony
42 10	A Diuuei biddor ro	will be deemed not responsible if the bluder does not meet the manualory
43		esponsibility citteria in RCVV 59.04.550(1), as amended, of does not meet
44 45	Supplem	iental Chtena 1-7 listed in this Section.
45 46	The Oce	tracting Agapay will worify that the Didder meate the mandatery hidder
40	The Con	hite and a second
4/	responsi	Dility criteria in KUW 39.04.350(1), and Supplemental Criteria 1-2. EVIDENCE
48 40	that the l	Bidder meets Supplemental Criteria 3-7 shall be provided by the Bidder as
49	stated la	ter in this Section.
50		
51	1. <u>De</u>	linguent State Taxes

1		
2 3 4		A <u>Criterion</u> : The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.
5 6 7 8 9 10 11 12		B. <u>Documentation</u> : 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.
13 14	2.	Federal Debarment
15 16 17		A <u>Criterion</u> : The Bidder shall not currently be debarred or suspended by the Federal government.
18 19 20 21		B. <u>Documentation</u> : 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).
23	3.	Subcontractor Responsibility
24 25 26 27 28 29 30 31 32 33		A <u>Criterion</u> : 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.
34 35 36 37		B. <u>Documentation</u> : 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.
39 40	4.	Claims Against Retainage and Bonds
40 41 42 43 44 45 46 47 48		A <u>Criterion</u> : 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.
49 50		B. <u>Documentation</u> : 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

1 2		the bid submittal date that have had claims against retainage and bonds and include for each project the following information:
3 4 5 6 7 8		<ul> <li>Name of project</li> <li>The owner and contact information for the owner;</li> <li>A list of claims filed against the retainage and/or payment bond for any of the projects listed;</li> <li>A written explanation of the circumstances surrounding each claim and</li> </ul>
9 10		the ultimate resolution of the claim.
11 12	5.	Public Bidding Crime
12 13 14 15		A <u>Criterion</u> : 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.
17 17 18 19 20		B. <u>Documentation</u> : 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.
21	6.	Termination for Cause / Termination for Default
23 24 25 26 27		A <u>Criterion</u> : 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.
28 29 30 31 32 33 34		B. <u>Documentation</u> : 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
34 35 36	7.	Lawsuits
37 38 39 40 41		A <u>Criterion</u> : 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
42 43 44 45 46 47 48 49 50		B. <u>Documentation</u> : 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

2 failing to meet of terms of construction related contracts 3 4 As evidence that the Bidder meets the Supplemental Criteria stated above, the 5 apparent low Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the 6 second business day following the bid submittal deadline, a written statement verifying 7 that the Bidder meets the supplemental criteria together with supporting documentation 8 (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance 9 with the Supplemental Criteria. The Contracting Agency reserves the right to request 10 further documentation as needed from the low Bidder and documentation from other 11 Bidders as well to assess Bidder responsibility and compliance with all bidder 12 responsibility criteria. The Contracting Agency also reserves the right to obtain 13 information from third-parties and independent sources of information concerning a 14 Bidder's compliance with the mandatory and supplemental criteria, and to use that 15 information in their evaluation. The Contracting Agency may consider mitigating 16 factors in determining whether the Bidder complies with the requirements of the 17 supplemental criteria.

explanations to determine whether the lawsuits demonstrate a pattern of

18

1

19 The basis for evaluation of Bidder compliance with these mandatory and supplemental 20 criteria shall include any documents or facts obtained by Contracting Agency (whether 21 from the Bidder or third parties) including but not limited to: (i) financial, historical, or 22 operational data from the Bidder; (ii) information obtained directly by the Contracting 23 Agency from others for whom the Bidder has worked, or other public agencies or 24 private enterprises; and (iii) any additional information obtained by the Contracting 25 Agency which is believed to be relevant to the matter.

If the Contracting Agency determines the Bidder does not meet the bidder
 reaponsibility criteria above and is therefore not a reaponsible Bidder, the Contract

28 responsibility criteria above and is therefore not a responsible Bidder, the Contracting 29 Agency shall notify the Bidder in writing, with the reasons for its determination. If the 30 Bidder disagrees with this determination, it may appeal the determination within two (2) 31 business days of the Contracting Agency's determination by presenting its appeal and 32 any additional information to the Contracting Agency. The Contracting Agency will 33 consider the appeal and any additional information before issuing its final 34 determination. If the final determination affirms that the Bidder is not responsible, the 35 Contracting Agency will not execute a contract with any other Bidder until at least two 36 business days after the Bidder determined to be not responsible has received the 37 Contracting Agency's final determination.

- 39 Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders 40 with concerns about the relevancy or restrictiveness of the Supplemental Bidder 41 Responsibility Criteria may make or submit requests to the Contracting Agency to 42 modify the criteria. Such requests shall be in writing, describe the nature of the 43 concerns, and propose specific modifications to the criteria. Bidders shall submit such 44 requests to the Contracting Agency no later than five (5) business days prior to the bid 45 submittal deadline and address the request to the Project Engineer or such other 46 person designated by the Contracting Agency in the Bid Documents.
- 47

1	A	dd the following new section:			
2	1_	.02 16 Protest Procedures			
<u>л</u>	-۱ /۲	December 19, 2014 SkaritE)			
5	(2				
6		Form and Substance			
7		All protests regarding any contents or portion of the bid proposal must be submitted			
8		to the Contracting Agency in accordance with RCW 39.04.105 All protests shall be			
9		directed to:			
10					
11		Skagit County Public Works			
12		Attn: Captain Rachel Rowe, Ferry Operations Division Manager			
13		1800 Continental Place			
14		Mount Vernon, WA 98273			
15		Phone: (360) 416-1400			
16		Fax: (360) 416-1405			
17		rrowe@co.skagit.wa.us			
18					
19	4 02				
20	1-03	AWARD AND EXECUTION OF CONTRACT			
21	1-03 4	Contract Bond			
23	(July 2	23. 2015 APWA GSP)			
24	(00) -				
25	Delete the first paragraph and replace it with the following:				
26					
27	Th	e successful bidder shall provide executed payment and performance bond(s) for the			
28	full contract amount. The bond may be a combined payment and performance bond; or				
29	be separate payment and performance bonds. In the case of separate payment and				
30	performance bonds, each shall be for the full contract amount. The bond(s) shall:				
31	1.	Be on Contracting Agency-furnished form(s);			
32	2.	Be signed by an approved surety (or sureties) that:			
33		a. Is registered with the Washington State Insurance Commissioner, and			
34		b. Appears on the current Authorized Insurance List in the State of Washington			
35		published by the Office of the Insurance Commissioner,			
36	3.	Guarantee that the Contractor will perform and comply with all obligations, duties,			
37		and conditions under the Contract, including but not limited to the duty and obligation			
38		to indemnify, defend, and protect the Contracting Agency against all losses and			
39		claims related directly or indirectly from any failure:			
40		a. Of the Contractor (or any of the employees, subcontractors, or lower tier			
41		subcontractors of the Contractor) to faithfully perform and comply with all contract			
42		obligations, conditions, and duties, or			
43 44		b. Of the Contractor (or the subcontractors or lower tier subcontractors of the			
44 15		contractors, material percent or any other percent who provides supplies or			
40		provisions for carrying out the work:			
<u>4</u> 7	Л	Be conditioned upon the navment of taxes increases, and penalties incurred on the			
48	4.	project under titles 50, 51, and 82 RCW; and			

1 2	5.	Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond: and
2	6.	Be signed by an officer of the Contractor empowered to sign official statements (sole
4		proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed
5		by the president or vice president, unless accompanied by written proof of the
6		authority of the individual signing the bond(s) to bind the corporation (i.e., corporate
/ 8		resolution, power of attorney, or a letter to such effect signed by the president or vice
9		president).
10	1-04	SCOPE OF THE WORK
11	4 0 4 0	Coordination of Contract Decuments, Diana, Createl Dravisions
12 13	1-04.2	Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda
14	(March	13. 2012 APWA GSP)
15	(	
16	Revise	the second paragraph to read:
17	<b>A</b> m	winconciptonow in the north of the contract chall be reached by following this order of
10 19	An	y inconsistency in the parts of the contract shall be resolved by following this order of predence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):
20	1.	Addenda.
21	2.	Proposal Form.
22	3.	Special Provisions,
23	4.	Contract Plans,
24	5.	Amendments to the Standard Specifications,
25	6.	Standard Specifications,
26	7.	Contracting Agency's Standard Plans or Details (if any), and
27	8.	WSDOT Standard Plans for Road, Bridge, and Municipal Construction.
28	1 04 4	CHANCES
29 30	(Dece)	mber 19, 2014 SkaqitE)
31	(2000)	noor to, zo t t onagin )
32	Section	n 1-04.4 is supplemented with the following:
33	Δ.	dditional Barth and/ar Dry Deak Charges Palated to Change Order
34 35	A	doltional Berth and/or Dry Dock Charges Related to Change Order
36	А.	Change Orders For Base Work
37		5
38	Sł	kagit County will not be liable for any additional berth and/or dry dock charges related
39 40	to	Change Order work if:
40 41		1. The Change Order work is related to the original specified scope of work
42		(i.e., other than new work); and
43		2. The Contractor is able to perform such Change Order work within the
44		Contractor's specified berth and/or dry dock period, as determined by Skagit
40 46		bas reviewed and approved such berth and/or dry dock period at the Pre-
47		Arrival Conference.
48		
49	В.	Change Orders For New Work

- Skagit County will compensate the Contractor for additional berth and/or dry dock
   charges related to Change Order work only if:
  - 1. The Change Order work is new work (i.e., other than Change Order work related to the original specified scope of work);
  - 2. The Contractor shall only be able to perform or complete such Change Order work after the scheduled berth and/or dry dock period, despite all best efforts to complete the work within such period of time) as determined by Skagit County following discussions between the parties; and
  - 3. Skagit County and the Contractor agree, in advance, to the estimated additional berth and/or dry dock time needed to perform or complete the Change Order work.
- 14 15 16

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## 1-05 CONTROL OF WORK

18 Section 1-05 is supplemented with the following:

## 20 **1-05.3(1)** Right and Left Designation

- 21 (May 23, 2018 SkagitF) 22
- 23 Any right or left designations used to locate structures
- throughout the Plans and these Special Provisions are made by facing offshore.
- 25

## 26 **1-05.6 Inspection of Work and Materials**

- 27 (January 6, 2015.SKagitF)
- 28
- 29 Section 1-05.6 is supplemented with the following:
- 30

During construction, and any time prior to the delivery and acceptance, Skagit County's inspectors, vendors, and Representatives, and inspectors of regulatory bodies, will be given free access to the Contractor's facility for the purpose of inspecting work and materials. The inspectors and Representatives will have the authority to reject any material or workmanship that, in their opinion, is defective, unsuitable, or that does not conform to the requirements of these specifications.

37

Following award of the construction contract, the Contractor shall consult with Skagit County
and prepare a complete calendar of events to assist in planning for inspection. This calendar
will be altered as work progresses with suitable advance notice given in writing to Skagit
County.

42

43 During the haul out period, office facilities and telephone service will be provided at the 44 Contractor's facilities for two Skagit County Representatives. The expenses will be borne by 45 the Contractor. Office facilities will have proper ventilation and will be heated or air 46 conditioned as appropriate.

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

2 (October 1, 2005 APWA GSP) 3

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.

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12 If the Contractor fails to comply with a written order to remedy what the Engineer 13 determines to be an emergency situation, the Engineer may have the defective and 14 unauthorized work corrected immediately, have the rejected work removed and replaced, 15 or have work the Contractor refuses to perform completed by using Contracting Agency 16 or other forces. An emergency situation is any situation when, in the opinion of the 17 Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk 18 of loss or damage to the public.

19

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.

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## 1-05.11 Final Inspection

- 39 Delete this section and replace it with the following:
  - 1-05.11 Final Inspections and Operational Testing
- 42 (October 1, 2005 APWA GSP)
- 43 44
- 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
- 48 Completion Date. The Contractor's request shall list the specific items of work that
- 49 remain to be completed in order to reach physical completion. The Engineer will
- 50 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.
   3
- 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, shall set the Substantial Completion Date. If, after this inspection the
  Engineer does not consider the work substantially complete and ready for its intended
  use, the Engineer will, by written notice, so notify the Contractor giving the reasons
  therefor.
- 10

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.

16 17

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.

20 21

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

22 23 When the Contractor considers the work physically complete and ready for final 24 inspection, the Contractor by written notice, shall request the Engineer to schedule a 25 final inspection. The Engineer will set a date for final inspection. The Engineer and the 26 Contractor will then make a final inspection and the Engineer will notify the Contractor in 27 writing of all particulars in which the final inspection reveals the work incomplete or 28 unacceptable. The Contractor shall immediately take such corrective measures as are 29 necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously, 30 diligently, and without interruption until physical completion of the listed deficiencies. This 31 process will continue until the Engineer is satisfied the listed deficiencies have been 32 corrected.

33

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

- 37 Section 1-05.7.
- The Contractor shall 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
- 40 hereunder.
- 41

42 Upon correction of all deficiencies, the Engineer will notify the Contractor and the 43 Contracting Agency, in writing, of the date upon which the work was considered 44 physically complete. That date shall constitute the Physical Completion Date of the 45 contract, but shall not imply acceptance of the work or that all the obligations of the 46 Contractor under the contract have been fulfilled.

47

## 48 1-05.11(3) Operational Testing

49

50 It is the intent of the Contracting Agency to have at the Physical Completion Date a 51 complete and operable system. Therefore when the work involves the installation of

1 machinery or other mechanical equipment; street lighting, electrical distribution or signal 2 systems; irrigation systems; buildings; or other similar work it may be desirable for the 3 Engineer to have the Contractor operate and test the work for a period of time after final 4 inspection but prior to the physical completion date. Whenever items of work are listed in 5 the Contract Provisions for operational testing they shall be fully tested under operating 6 conditions for the time period specified to ensure their acceptability prior to the Physical 7 Completion Date. During and following the test period, the Contractor shall correct any 8 items of workmanship, materials, or equipment which prove faulty, or that are not in first 9 class operating condition. Equipment, electrical controls, meters, or other devices and 10 equipment to be tested during this period shall be tested under the observation of the 11 Engineer, so that the Engineer may determine their suitability for the purpose for which 12 they were installed. The Physical Completion Date cannot be established until testing 13 and corrections have been completed to the satisfaction of the Engineer.

- 14
- 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.
- 17 18 19

20

21

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.

## 22 1-05.12 Final Acceptance

23 (August 31, 2016 SkagitF) 24

25 Section 105.12 is supplemented with the following:

## Acceptance and Delivery

27 28 29

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The existence of any deficiencies affecting the safe navigation or the immediate, efficient use of the vessel for its intended service will be sufficient cause to refuse delivery pending the correction of the items concerned, and the delay in delivery resulting from these deficiencies will be a matter of Contractor's responsibility.

32 33

The Contractor shall be responsible for cleanup only in areas affected by the Contractor's work. Spaces affected by Contractor work or transit will be thoroughly cleared of dunnage, staging, and debris; splatters and dirt and shall be washed down, painted and left clean. The Contractor shall exercise special care to see that surfaces in voids, tanks, piping, wire ways, machinery, floor plates, etc. are clean and free from any foreign substances.

40

If at any time prior to formal acceptance of the vessel Skagit County's Representative has reason to believe that the vessel has been strained, grounded or in any manner damaged, Skagit County may require the vessel to be dry docked and surveyed. If the vessel is found damaged, the survey, dry-docking and necessary repairs will be made at the Contractor's expense. If the vessel is found undamaged, the survey and dry-docking will be at Skagit County's expense.

47

48 Skagit County will take delivery of the vessel afloat at the Contractor's facility upon 49 completion of successful dock trials and sea trials and after all defects are corrected 50 unless agreed upon otherwise.

1 2	Add the following new section:
2 3 4 5	<b>1-05.12(1) One-Year Guarantee Period</b> (March 8, 2013 APWA GSP
6 7 8 9 10 11 12 13 14 15 16	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.
17	
18 19 20	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.
21	
22 23 24	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.
25 26 27 28	<b>1-05.13</b> Superintendents, Labor and Equipment of Contractor (August 14, 2013 APWA GSP)
29 30	Delete the sixth and seventh paragraphs of this section.
31	1-05.14 Cooperation With Other Contractors
32	(March 13, 1995.SkagitF)
33 34 35	Section 1-05.14 is supplemented with the following:
36	Other Contracts Or Other Work
37 38 39 40	It is anticipated that the following work adjacent to or within the limits of this project will be performed by others during the course of this project and will require coordination of the work:
41 42 43 44 45	***Pacific Star Marine Cummins, Inc. ZF Marine***

1 2	<b>1-05.15</b> N (March 25, 2	lethod of Serving Notices 2009 APWA GSP)
3 4 5	Revise the s	econd paragraph to read:
5 6 7 8 9	All correspondences of dispute the service	spondence from the Contractor shall be directed to the Project Engineer. <u>All</u> <u>ndence from the Contractor constituting any notification, notice of protest, notice</u> <u>e, or other correspondence constituting notification required to be furnished</u> <u>e Contract, must be in paper format, hand delivered or sent via mail delivery</u>
10 11 12	<u>electroni</u>	<u>cally delivered copies of correspondence will not constitute such notice and will</u>
13		wind the requirements of the Contract.
14 15	Add the folic	wing new section:
16 17 18	<b>1-05.16</b> (October	Water and Power <sup>r</sup> 1, 2005 APWA GSP)
19 20 21 22	The Con and wate and wate	tractor shall make necessary arrangements, and shall bear the costs for power or necessary for the performance of the work, unless the contract includes power or as a pay item.
23 24	1-07	LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC
25	1-07.1	Laws to be Observed
26 27	(August 31)	2016 SkagitF)
28 29	Section 1-07	'.1 is supplemented with the following:
30 31	Confin	ed Space
32 33	Confine	d spaces are known to exist at the following locations:
34 35	Gu	emes Ferry Void Spaces
36 37 38	The Co and cor	ntractor shall be fully responsible for the safety and health of all on-site workers npliant with Washington Administrative Code (WAC 296-809).
39 40	The Co confine	ntractor shall prepare and implement a confined space program for each of the d spaces identified above. The Contractors Confined Space program shall be
41 42 43	or adjac	cent to the confined space. No work shall be performed in or adjacent to the d space until the plan is submitted to the Engineer as required. The Contractor
44 45 46	shall co and ma workers	mmunicate with the Project Engineer to ensure a coordinated effort for providing intaining a safe worksite for both the Contracting Agency's and Contractor's when working in or near a confined space.
47 48 49 50	All cost bid price	s to prepare and implement the confined space program shall be included in the es for the various items associated with the confined space work.

#### 1 (January 5, 2004)

## Lead Health Protection Program

2 3 Structural and non-structural materials located at the project site \*\*\* may \*\*\* contain 4 lead-based products. The Contractor shall be fully responsible for the safety and health 5 of all on-site workers and compliant with Washington Administrative Code (WAC 296-6 155-176). The Contractors Lead Health Protection Program shall be sent to the 7 Contracting Agency at least 2 weeks prior to the Contractor beginning work involving 8 exposure to lead contamination. The Contractor shall communicate with the Engineer to 9 ensure a coordinated effort for providing and maintaining a safe worksite for both the 10 Contracting Agency's and Contractor's workers.

11

#### 12 **Construction Requirements**

13 The Contractor shall be responsible for the containment measures required to provide 14 and maintain a safe and healthful jobsite for the duration of the project in accordance 15 with all applicable laws and this Special Provision.

## Payment

18 All costs to comply with this Special Provision for the Lead Health Protection laws and 19 regulations are the responsibility of the Contractor and shall be included in related items 20 of work.

21

16 17

#### 22 1-07.2 State Taxes

23 (December 19, 2014 SkagitF) 24

- 25 Section 1-07.2 is supplemented with the following:
- 26
- 27 28

29

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36 37 38

39

The work on this project is exempt from the Washington State retail sales tax, per RCW 82.08.0285, Exemptions -- Sales of ferry vessels to the state or local governmental units -- Components thereof -- Labor and service charges.

#### 31 1-07.6 Permits and Licenses

- 32 (April 2, 2012 SkagitF) 33
- 34 Section 1-07.6 is supplemented with the following: 35

## **United States Coast Guard**

The Contractor shall comply with all United States Coast Guard requirements.

40 The Contractor shall contact the Coast Guard at least 30 calendar days in advance of 41 all work in or near the navigable portion of the waterway and request that a Local Notice 42 to Mariners be issued for the waterway at this site.

43

44 The Contractor shall contact the Coast Guard for requirements related to the mooring of 45 barges, placement of log booms, and all other equipment that could be a hazard to 46 waterway users.

47

48 Provisions shall be made for the removal, on 2 hours notice, of all equipment that would

- 49 block or partially block, the navigable portion of the waterway.
- 50
- 51 The Coast Guard contact is:

1 2 3 4 5 6 7 8 9 10 11 12	Bric Thir 915 Sea Tele All cost requiren work inv All costs	Ige Administrator teenth Coast Guard District Second Avenue Suite 3510 httle, WA 98174-1067 ephone: (206) 220-7282 is incurred in contacting the Coast Guard and in complying with all the nents specified herein shall be included in the contract prices for the items of olved.		
13 14 15	to conta	ct the Coast Guard shall be at the Contractor's expense.		
16	1-07.13			
17 18	1-07.13(4)	Repair of Damage		
19 20	Section	1-07.13(4) is revised to read:		
21 22 23 24 25 26 27	(Au The wor 1-0 Sec pay	gust 6, 2001) Contractor shall promptly repair all damage to either temporary or permanent k as directed by the Engineer. For damage qualifying for relief under Sections 7.13(1), 1-07.13(2) or 1-07.13(3), payment will be made in accordance with tion 1-04.4. Payment will be limited to repair of damaged work only. No ment will be made for delay or disruption of work.		
28	1-07.18	Public Liability and Property Damage Insurance		
29 30 31 32 33 34 35 36 37 38 39 40	(January 5, 2 Item number	2004) 1 in the first paragraph of Section 1-07.18 is deleted.		
	Item No. 2 of	the first paragraph of Section 1-07.18 is revised to read:		
	(January 2. Cor its agg cov Cor	(3, 2011) nmercial General Liability (CGL) Insurance written under ISO Form CG0001 or equivalent with minimum limits of \$1,000,000 per occurrence and in the regate for each one year policy period. Products and completed operations erage shall be provided for a period of three years following Substantial npletion of the work.		
41 42	Section 1-07	.18 is supplemented with the following:		
43 44 45 46	<b>1-07.18(5)E LHWCA Insurance</b> (January 4, 2016 APWA GSP)			
47 48 49	If this Contract involves work on or adjacent to Navigable Waters of the United States, the Contractor shall procure and maintain insurance coverage in compliance with the statutory requirements of the U.S. Longshore and Harbor Workers' Compensation Act (LHWCA).			
50 51	Such policy must provide the following minimum limits:			

1	\$1,000,000 I		Bodily Injury by Accident – each accident		
2	\$1,000,000		Bodily Injury by Disease – each employee		
3	\$1	,000,000	Bodily Injury by Disease – policy limits		
4	4 07 4	9/5)C U.U	and Machinen/		
5 6	1-07.1 ( Janua	$3(3)G$ $\Pi$ $UII$	PWA GSP)		
7	(Janua	лу <del>ч</del> , 2010 А			
8	If this	Contract inv	volves use of a boat, vessel, or floating platform, the Contractor shall		
9	procur	e and mainta	in coverage at Market Value of vessel on American Institute Hull Clauses,		
10	6/2/77	form.			
11	4 07 4	9/5)U Mor	ine Pollution		
12 13	(Janua	o()) n iviar arv 4 2016 4	PW/A GSP)		
14	(ound	ary 4, 20107			
15	The C	ontractor sha	Il procure and maintain Pollution Liability (OPA, CERCLA) insurance to		
16	satisfy	U.S. Coast	Guard requirements as respects the Federal Oil Pollution Act of 1990 and		
17	the Co	omprehensive	Environmental Response, Compensation and Liability Act of 1980 as		
10	ament	Jeu.			
20	Such r	policy must p	rovide the following minimum limits, or statutory limits of liability as		
21	applica	able, whiche	ver is higher:		
22	\$	1,000,000	per Occurrence		
23					
24	1 00	DD			
25 26	1-00	FRU	JSECUTION AND PROGRESS		
27	1-08 I	PROSECUTI	ON AND PROGRESS		
28		<b>,</b> , , , , , , , , , , , , , , , , , ,			
29	Add th	ie following n	ew section:		
50					
31	1	-08.0 Prel	ininary Matters		
32 33	(	iviay 25, 200	JAFWA GSF)		
34	1-(	08.0(1) Prec	onstruction Conference		
35	(A	uqust 31, 20 <sup>°</sup>	16 SkagitF)		
36	,	0	<b>č</b>		
37	Prior to the Contractor beginning the work, a preconstruction conference will be held				
38	between the Contractor, the Engineer and such other interested parties as may be				
39	1111	To rovious th	rpose of the preconstruction conference will be.		
40 41	ו. כ		ie initial progress schedule,		
41	Ζ.	affected by	the working understanding among the various parties associated of		
43	3.	To establish	and review procedures for progress payment, notifications, approvals.		
44	•.	submittals,	etc.;		
45	4.	To establish	normal working hours for the work;		
46	5.	To review s	afety standards; and		
47	6.	To discuss	such other related items as may be pertinent to the work.		
48	- <b>-</b> -	- Contro -t			
49	The Contractor shall prepare and submit at the preconstruction conference the following:				
- 1 1. A preliminary schedule
- 2 2. A list of material sources for approval if applicable.
- 3 3. A list of all labor and equipment rates for unanticipated work
  - 4. The shipyard dry dock daily rate
- 5 5. A confined space plan
- 6 6. A safety plan

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### 1-08.0(2) Conferences and Administration

(December 19, 2014 SkagitF)

10 11

For the Arrival Conference, the Contractor shall provide a conference room adequate in size to accommodate 5-7 Skagit County representatives and as many Contractor representatives as considered necessary by the Contractor.

3. A list of Emergency Contacts including those for after working hours

15

16 Upon Vessel arrival at the Contractor's facility, Skagit County will conduct an Arrival 17 Conference aboard the Vessel. The Contractor's Ship Superintendent assigned to the 18 Vessel, Skagit County's Vessel Staff Chief Engineer and appropriate Skagit County 19 personnel shall attend the Conference. The purpose of the Conference is to discuss last 20 minute details and arrangements.

21

## 22 **1-08.1** Subcontracting 23 (July 14, 2016 SkaqitR)

23 *(July 14, 2016 SkagitR)* 24

25 The eighth paragraph of Section 1-08.1 is deleted

26

## 27 1-08.4 Prosecution of Work 28

29 Delete this section and replace it with the following: 30

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

- (July 23, 2015 APWA GSP)
- 32 33

31

34 Notice to Proceed will be given after the contract has been executed and the contract 35 bond and evidence of insurance have been approved and filed by the Contracting 36 Agency. The Contractor shall not commence with the work until the Notice to Proceed 37 has been given by the Engineer. The Contractor shall commence construction activities 38 on the project site within ten days of the Notice to Proceed Date, unless otherwise 39 approved in writing. The Contractor shall diligently pursue the work to the physical 40 completion date within the time specified in the contract. Voluntary shutdown or slowing 41 of operations by the Contractor shall not relieve the Contractor of the responsibility to 42 complete the work within the time(s) specified in the contract.

43

When shown in the Plans, the first order of work shall be the installation of high visibility
fencing to delineate all areas for protection or restoration, as described in the Contract.
Installation of high visibility fencing adjacent to the roadway shall occur after the
placement of all necessary signs and traffic control devices in accordance with 1-10.1(2).
Upon construction of the fencing, the Contractor shall request the Engineer to inspect the

- 49 fence. No other work shall be performed on the site until the Contracting Agency has
- 50 accepted the installation of high visibility fencing, as described in the Contract.

- Section 1-08.4 is supplemented with the following:
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### **Contract Work Schedule**

(December 19, 2014 SkagitF)

The Vessel is an operating unit providing the only car ferry service to Guemes Island, and this Contract is a link in its maintenance schedule chain. As such, Time is of the Essence.

10 11

Unless otherwise stated in the Technical Specifications, Skagit County will deliver 12 and take redelivery of the Vessel at the Contractor's facility within normal working 13 hours. Should tug services be required to assist the Vessel: (i) through navigation 14 channels; (ii) into lifting facilities; or (iii) out of lifting facilities, they shall be provided at 15 the Contractor's expense.

16 17

If at any time the Contractor anticipates difficulty in meeting the requirements specified 18 herein or anticipates difficulty in complying with the Contract work schedule dates, the 19 Ferry Operations Division Manager shall be immediately verbally notified, followed by 20 a letter stating the pertinent details. Receipt of this notification shall not be construed as waiver of the Contract or schedule requirements.

21 22

#### 23 1-08.5 Time for Completion

24 (August 30, 2016 SkagitF)

25 26

27

The third paragraph of Section 1-08.5 is revised to read:

28 Contract time shall begin on the tenth working day following the Notice to Proceed Date. 29 If the Contractor starts Work on the project at an earlier date, then Contract time shall 30 begin on the first working day when onsite Work begins. The Contract Provisions may specify another starting date for Contract time, in which case, time will begin on the 32 starting date specified.

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- 34 Section 1-08.5 is supplemented with the following:
  - This project shall be physically completed within \*\*\* twenty-one (21) \*\*\* calendar days.
  - Berth and / or Dry Dock Schedule & Costs
- 40 Skagit County expects all work will be completed within twenty-eight (28) calendar days 41 which shall serve as the performance period.
- 42

43 For all Vessel Contracts, the Contractor's costs to berth and/or dry dock the Vessel 44 during the performance period of twenty-eight (28) calendar days are included in the 45 bid and Contract price, reflecting the Contractor's scheduled berth and/or dry dock 46 period. If the Contractor decides to berth and/or dry dock the Vessel in fewer days 47 than Skagit County's specified performance period, and is unable to complete the work 48 within such Contractor-selected period, then Skagit County will not be liable to the 49 Contractor for any additional berth and/or dry dock costs incurred to complete the base 50 Contract work.

97

### 1-09 MEASUREMENT AND PAYMENT

3 4 **1-09.6 Force Account** 

(October 10, 2008 APWA GSP)

Supplement this section with the following:

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> 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 Engineer.

14 15

16 **1-09.9 Payments** 

- 17 (March 13, 2012 APWA GSP) 18
- 19 Supplement this section with the following:
- 20 21

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23

Lump sum item breakdowns are not required when the bid price for the lump sum item is less than \$20,000.

### 1-09.13 Claims Resolution

24 25 26

### 27 **1-09.13(3)** Claims \$250,000 or Less

28 (October 1, 2005 APWA GSP)

- 30 Delete this section and replace it with the following:
- 31 32

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34

29

The Contractor and the Contracting Agency mutually agree that those claims that total \$250,000 or less, submitted in accordance with Section 1-09.11 and not resolved by nonbinding ADR processes, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

35 36 37

### 1-09.13(3)A Administration of Arbitration

38 (July 23, 2015 APWA GSP) 39

- 40 Revise the third paragraph to read:
- 41

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 <u>the county in which the Contracting Agency's headquarters is</u> <u>located</u>, provided that where claims subject to arbitration are asserted against a county, <u>RCW 36.01.05 shall control venue and jurisdiction of the Superior Court</u>. 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.

- 49
- 50

1 2 3	TECHNICAL SPECIFICATIONS M/V GUEMES
4 5 6	GENERAL
7 8 9	General Vessel Information (August 30, 2016 SkagitF)
10 11 12	Haul Out and Maintenance for the Vehicle and Passenger Ferry M/V Guemes. The previous haul out and maintenance was performed in April, 2017.
13 14 15 16 17 18	The M/V Guemes is a molded hull, welded steel construction, 91 gross tons, and double- ended car ferry, owned and operated by the Skagit County Public Works Department. It is licensed to carry 21 vehicles, 100 passengers and 3 crew members. The M/V Guemes travels between Anacortes and Guemes Island, a distance of approximately seven-tenths of a nautical mile (one-way), approximately 8,900 round trips per year.
19 20	Vessel particulars are as follows:
21 22 23 24 25 26	Overall length - 124' -0 Extreme beam - 52'-0" (to be used for determining dry dock availability) Depth at side (molded) - 9'-06" Draft at D.L.W.L 5'-0" Displacement at D.L.W., - 298 L T (SW)
27 28 29 30 31	The M/V Guemes is U.S. Coast Guard (USCG) inspected as a Subchapter T passenger vessel. The United States Coast Guard requires the vessel to be dry-docked every 24 months for inspection.
32 33 34	Materials and Workmanship (August 30, 2016 SkagitF)
35 36 37 38	The Contractor shall supply the necessary labor, material, skill, and equipment required to perform the work described in these Specifications. Materials will be new unless specific written approval to the contrary is obtained from the Ferry Operations Division Manager.
39 40 41 42 43 44 45	Materials used and the workmanship thereon will be of the best description and quality throughout and of adequate sizes to accomplish the purpose intended. The work, in every respect, will be made under the supervision and to the complete satisfaction of the Ferry Operations Division Manager in accordance with good marine practice. Defects appearing at any stage of the work will be cause for rejection, even though the piece in question may have previously been passed as satisfactory.
46 47 48 49 50	Steel plates, shapes and bars used in the modifications will be electric furnace or open hearth ship steel to ASTM A36 specifications. Plates intended for cold flanging will be "flanging quality." All structure and plates will be kept fair, free of distortion, and in alignment within the construction tolerances described by ASTM F1053M-94. Knock off sharp edges on structural shapes to facilitate coating system adherence.

2 Aluminum used in any modifications will conform to the requirements of ASTM 928. Welding 3 procedure, size of electrode, type of electrode, current values, and details of welding and 4 reinforcing will be in accordance with standard practice as approved by the American 5 Welding Society and the American Bureau of Shipping (ABS). No welding may be performed 6 by other than properly trained and gualified welders. Peening of weld material will not be 7 allowed except as specifically approved by Skagit County. Steel to be welded will be kept 8 entirely free of paint or oil. Structural welding will be carried out in such sequence as to 9 compensate for creeping and shrinkage as the work progresses, keeping distortion to an 10 acceptable minimum. Locked in stresses will be avoided or relieved as far as possible. 11 Welding that appears defective will be replaced, unless radiographic inspection verifies that 12 no defects exist.

13

1

Where fasteners, pipe, tube, sheet metal, or plates and shapes are described as being "stainless steel" marine grade 300 series stainless steel will be used in all cases unless otherwise specified. Fasteners and piping may be 304 stainless steel, unless 316 stainless steel is specifically required.

18

19 Machinery, structure, and outfit will be designed to withstand the resultant forces from the 20 following conditions of service environment:

21

- 22 Permanent list of 10 degrees.
- 23 Permanent trim of 5 degrees.
- 24 Double amplitude roll of 30 degrees in a period of 10 seconds.
- 25 Double amplitude pitch of 10 degrees in a period of 5 seconds.
- 26

All hull spaces and tanks will be certified gas free by a qualified marine chemist prior to hot work and shall be kept certified by a competent person for the project duration. Bilges will be dry and cleaned prior to welding.

30

The Contractor shall provide and maintain charged fire hose lines, fire extinguishers, and associated equipment adequate for use in fire suppression on the project at all times. Fire watches will be provided while hot work is being performed.

34

The Contractor shall provide electrical shore power to the vessel during the entire availability. Shore power needed is 480VAC, 60 amp service.

37

All materials used and workmanship accomplished by the Contractor shall comply with USCG requirements. The Contractor shall be required to haul out the vessel and perform all maintenance and modifications as required by these specifications. It shall be understood that the Contractor shall fully restore the vessel to operating condition as part of the completion of this contract. All paint shall be fully cured and ready for wetting and all new or disturbed equipment and systems shall be tested and proven fully operational. The vessel shall be in broom clean condition prior to detarture from the Contractor's facility.

45 46

### 47 Access to Vessel During Haul Out

48 (August 30, 2016 SkagitF)

- 49
- 50 Skagit County Representatives will be granted unhindered access to the Contractor's 51 construction and shop areas.

- The Ferry Operations Division Manager or their designee will act as the County's Representative. Either one or both will be available throughout the contract performance period. The County's Representatives shall be allowed access to all areas where work, in any way related to the modification or maintenance of the M/V Guemes is being carried out. The County's Representative and U.S. Coast Guard Inspector shall be informed by the Contractor prior to the Contractor performing any tests of equipment or systems. No voids or tanks shall be closed prior to inspection and approval by the County's Representative. All materials and workmanship shall meet the requirements of the U.S. Coast Guard and be acceptable to the County's Representative.

Skagit County may have up to three (3) County employees doing unrelated repair work on
the Vessel. The County employees will be instructed not to interfere with or otherwise deter
the Contractor's employees in any way.

Skagit County will have up to five (5) outside vendors conducting work on the vessel during
the haul out period. Prior to the M/V Guemes arriving at the ship yard facility, Skagit County
will provide to the Contractor a list of all vendors expected to perform work on the vessel
during the haul out period.

### Facilities for Skagit County Personnel

(August 30, 2016 SkagitF)

### A. General

- 1. The Contractor shall provide project office facilities consisting of office space, furniture, restroom, equipment, supplies for three (3) Skagit County personnel as specified herein.
- 2. The facilities shall be separate from any Contractor's office space, adjacent to the Vessel, lockable, and include daily janitorial services (i.e., cleaning, trash removal and sanitary supplies).
- 3. The office space shall be heated / air-conditioned, maintained clean, and be at least comparable to those provided for the Contractor's management staff.
- 4. The facilities shall be for the exclusive, 24 hour a day, use of the Skagit County project staff. This facility, with parking, shall be available no later than the delivery of the Vessel to the Contractor, through two (2) days after redelivery of the Vessel to Skagit County.
  - 5. If the Contract Work is to be performed at more than one location, comparable facilities shall be provided at each location.

### B. Telephone Lines and Equipment

- 1. The office area shall be equipped with the following six (6) telephone lines with a telephone on each desk:

1 2 3			a)	One (1) line shall be connected to the Contractor's internal system, or a local area if the Contractor does not have an internal system.
4 5 6 7 8 9			b)	One (1) line, toll free to Seattle, shall be a dedicated "T1" circuit for network data transmission. The Contractor shall provide space, access and support, as needed, for Skagit County contractors to perform interconnection wiring for a Local Area Network (LAN) within the facilities provided, and for connection of the LAN to the phone system. The "T1" circuit shall be installed to the vicinity of the LAN location.
11 12 13			C)	One (1) line shall be a dedicated line, analog, toll free to Seattle, for fax connection.
14 15 16			d)	Three (3) lines, toll free to Seattle, shall be used for regular telephone service.
17 18 19 20 21 22		2.	Tele equ and (1) prov	ephone service shall be touch-tone, if available. All telephone ipment shall be Contractor provided, with arrangements of phones, circuits, ringing to be approved by the Skagit County Representative. The one Contractor's internal system and three (3) toll-free Seattle lines shall be vided to all phones. All phones shall be speakerphones.
23 24	C.	Offi	ice S	расе
25 26 27		1.	Eac cha	ch person shall be supplied with a standard size desk, desk chair, side ir, computer table, electrical outlet, trash can, and a two-shelf bookcase.
21				
28 29			a)	Each two desks areas shall be provided with a layout table of at least 72".
28 29 30 31	D.	Adı	a) mini	Each two desks areas shall be provided with a layout table of at least 72". strative Area (Office Equipment Area)
28 29 30 31 32 33	D.	<b>Adı</b> 1. and	a) <b>mini</b> An elec	Each two desks areas shall be provided with a layout table of at least 72". <b>strative Area (Office Equipment Area)</b> administrative area shall be provided with sufficient floor space strical outlets for the following:
28 29 30 31 32 33 34 35 36 37 38	D.	Adı 1. and	a) mini An elec a)	Each two desks areas shall be provided with a layout table of at least 72". <b>strative Area (Office Equipment Area)</b> administrative area shall be provided with sufficient floor space strical outlets for the following: Fax machine (plain paper), fax machine telephone connection, a cork bulletin board, and a "T1"-LAN RJ-45 jack, all of which shall be Contractor provided.
28 29 30 31 32 33 34 35 36 37 38 39 40	D.	Adı 1. and	a) mini An elec a) b)	Each two desks areas shall be provided with a layout table of at least 72". <b>strative Area (Office Equipment Area)</b> administrative area shall be provided with sufficient floor space strical outlets for the following: Fax machine (plain paper), fax machine telephone connection, a cork bulletin board, and a "T1"-LAN RJ-45 jack, all of which shall be Contractor provided. Skagit County Supplied Equipment consisting of: copier, computer network printer, and server cabinet and related communication equipment.
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	D.	Adi 1. and	a) mini elec a) b)	Each two desks areas shall be provided with a layout table of at least 72". strative Area (Office Equipment Area) administrative area shall be provided with sufficient floor space strical outlets for the following: Fax machine (plain paper), fax machine telephone connection, a cork bulletin board, and a "T1"-LAN RJ-45 jack, all of which shall be Contractor provided. Skagit County Supplied Equipment consisting of: copier, computer network printer, and server cabinet and related communication equipment. Mess
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	D.	Adı 1. and Cof	a) mini elec a) b) fee I Cou sha spa	Each two desks areas shall be provided with a layout table of at least 72". strative Area (Office Equipment Area) administrative area shall be provided with sufficient floor space strical outlets for the following: Fax machine (plain paper), fax machine telephone connection, a cork bulletin board, and a "T1"-LAN RJ-45 jack, all of which shall be Contractor provided. Skagit County Supplied Equipment consisting of: copier, computer network printer, and server cabinet and related communication equipment. Mess coffee mess area shall be provided for the exclusive use of Skagit inty project staff. Electrical outlets adequate to support equipment below Il be provided. The coffee mess area shall be in or adjacent to the office ce and include the following furniture and equipment:
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	D.	Adı 1. and Cof	a) mini elec a) b) fee I Cou sha spa a)	Each two desks areas shall be provided with a layout table of at least 72". strative Area (Office Equipment Area) administrative area shall be provided with sufficient floor space strical outlets for the following: Fax machine (plain paper), fax machine telephone connection, a cork bulletin board, and a "T1"-LAN RJ-45 jack, all of which shall be Contractor provided. Skagit County Supplied Equipment consisting of: copier, computer network printer, and server cabinet and related communication equipment. Mess coffee mess area shall be provided for the exclusive use of Skagit inty project staff. Electrical outlets adequate to support equipment below Il be provided. The coffee mess area shall be in or adjacent to the office ce and include the following furniture and equipment: Counter area; sink with hot and cold running water; supply a certified non-contaminated hot and cold fresh water dispenser with a sealed five (5) gallon water bottle service to be delivered to the Coffee Mess area,

estimated at one (1) per day until redelivery of the Vessel(s). Α refrigerator of at least 6.0 cubic feet; a microwave oven; coffee maker; trash can; towel rack; paper towel dispenser and cabinet storage space. F. Restroom A restroom and hand washing facilities for the exclusive use of Skagit 1. County project staff shall be provided as part of or immediately adjacent to the office space. This space shall be uni-sex and lockable. G. Parking 1. The Contractor shall provide Skagit County four (4) clearly marked parking spaces, convenient to the office and well clear of grit blast and painting areas. The parking spaces shall be lighted, marked with signs, and dedicated to the exclusive, 24 hour a day, use of the Skagit County Representative, Inspection Staff, vendors and visitors. 3. The Contractor shall provide on a loan basis car covers in sufficient size and number for the assigned Skagit County personnel. If the Contractor fails to provide car covers, he shall be solely responsible for the repair (e.g., repainting) of any and all Skagit County staff vehicles (whether State owned or private) that are damaged by grit-blast or paint from the Contractor's Shipyard due to parking spaces that do not reasonably comply with this Section. In such event, Skagit County will be entitled to select the vehicle repair facility or facilities. If the Contractor does not directly pay for such repairs. Skagit County may do so, and deduct the amount(s) from Contract progress payment(s) without any liability to Skagit County.

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### **M/V GUEMES SPECIFICATIONS**

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### 1.0 DRY DOCK THE VESSEL

(August 22, 2018 SkagitF)

8 Contractor shall dry dock the vessel for all work as specified. Vessel shall be hauled in 9 accordance with the docking plan (provided on the CD), Drawing Number 288001-01, 10 position one (1). Contractor shall have a diver ensure proper landing. Skagit County cannot 11 accurately predict the vessel's list and trim upon arrival to the Contractor's facility. Therefore, 12 Contractor should be aware that counter weight blocks for leveling may be necessary. If 13 counter weight blocks become necessary, Contractor shall issue a Condition Found Report 14 to the Ferry Operations Division Manager for approval.

15

16 Contractor shall remove all saltwater intake screens, docking plugs and generator keel 17 cooler guard.

18

While dry docked, and dockside, a gangway shall be installed for car deck access. The
Contractor shall provide electrical shore power to the vessel during the entire time the vessel
is at the Contractor's facility. Shore power needed is 480VAC, 60 amp service.

22

23 Skagit County will arrive at the Contractor's facility with one (1) trailer onboard. The trailer 24 will contain one (1) spare reduction gear, (1) spare outdrive, and other equipment necessary 25 for the dry dock period. Once at the Contractor's facility, Contractor shall provide crane 26 services to lift the trailer from the car deck. Contractor shall provide a space for storage of 27 the trailer until the vessel departs the facility, or until Skagit County personnel can retrieve 28 the trailer from the shipyard. Should Skagit County choose to transport the trailer back to 29 Anacortes on the car deck, Contractor shall reload the trailer on to the deck of the vessel 30 prior to departure.

31

Upon approval from the Ferry Operations Division Manager, or their designee, all saltwater
 intake screens and docking plugs in the hull shall be re-installed prior to launching. The
 vessel shall be launched only after the installation of screens and plugs is found satisfactory
 to Ferry Operations Division Manager, or their designee.

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### 2.0 WASH THE VESSEL

(August 22, 2018 SkagitF)

Contractor shall high pressure wash the vessel, at three thousand (3,000) to four thousand (4,000) psi only, from the top of the mast to the deck. All soot and dirt shall be removed. The area to be washed is to include the house, bulwarks (inboard and outboard), railings and machinery space enclosures.

45

Once all work is complete, the Contractor shall clean the entire vessel to remove dust, dirtand debris, prior to final departure from the shipyard.

48 49

### 50 3.0 REMOVE & REPLACE HULL ANODES

51 (August 22, 2018 SkagitF)

1 2 Contractor shall remove aluminum hull anodes and replace with zinc anodes. For bidding 3 purposes, assume thirty (30) AHS-10 hull anodes to be replaced with thirty (30) ZHS-23 zinc 4 anodes. Tabs will need to be drilled for installation and new lock nuts provided and installed. 5 The Contractor shall be responsible to verify the exact anodes necessary to complete this 6 work. The current anodes on the vessel contain two (2) in cast galvanized steel mounting 7 straps with six inch (6") centers, measure one and one guarter inch (1.25") x six inch (6") x 8 twelve inch (12") and weigh approximately ten (10) pounds each. Their zinc counterpart shall 9 weigh twenty-three (23) pounds each and have the same dimensions. Note: the zinc anode 10 part number may be ZHS-A-23, which may not have an aluminum counterpart, but is a strap 11 anode with the same specs, dimensions and weight as the ZHS-23 (referred to as a weld-12 on). For more information, refer to the following file on the CD provided:

- 13 14
- Guemes Hull& Cooler Guard Anodes

15 Contractor shall remove and replace one (1) welded generator cooler guard anode, which is 16 currently an aluminum AHS-9 anode. The replacement anode shall be zinc ZHS-26 anode. 17 For bidding purposes, assume one welded cooler guard anode.

18

19 The Contractor shall be responsible to verify types and dimensions for all anodes.

- 20
- 21 22

24

#### **REMOVE, INSPECT & REINSTALL SEA CHEST VALVES** 4.0 23

(August 22, 2018 SkagitF)

25 Contractor shall remove two (2) existing three inch (3") sea chest gate valves; disassemble, 26 clean, and check seating surfaces with bluing compound for fit for USCG inspection. The 27 valve on the No. 1 end was new in October, 2015, and both of the existing valves on the No. 28 1 and No. 2 end passed USCG inspection in March, 2017.

29

30 After inspection, Contractor shall provide Condition Found Report to the Ferry Operations 31 Division Manager. Contractor shall reassemble and reinstall upon completion of any 32 conditions found, unless otherwise authorized by the Ferry Operations Division Manager. 33 Contractor may reference Nickum and Spaulding Drawing Number 77083-11-2, Rev. B. 34 Sheet 1 of 2, included on the CD provided.

35

36 Inspect saltwater inlet piping and flanges for corrosion and any sign of marine growth. Clean 37 piping if required. Submit a Condition Found report to the Ferry Operations Division Manager 38 of any excessive corrosion or marine growth. New fasteners and new gasket material shall 39 be used upon installation. Installation shall meet USCG, Subchapter F, Marine Engineering 40 Regulations.

41

42 Contractor shall disassemble, in place, two (2) existing two-inch (2") fire main valves, clean 43 valve bodies, inside piping, and seated area. Both of these valves were new in October, 44 2015. Check seating surfaces in valves with bluing compound for fit.

- 45
- 46 After inspection, Contractor shall provide a Condition Found Report to the Ferry Operations 47 Division Manager. Contractor shall reassemble and reinstall upon completion of any conditions found, unless otherwise authorized by the Ferry Operations Division Manager.
- 48 49

2 3	Contractor shall remove three (3) sea chest water intake transparent cylinders and any fasteners associated within and replace in kind with three (3) new transparent cylinders, fasteners and gaskets. The part numbers for the existing cylinders are as follows:					
4 5 6 7 8	One (1) ea. Perko 6" x 12" cylinder; Model: 493-009-99C; Pipe Size: 2" One (1) ea. Rubber Gasket Kit; Perko Catalog No: 0493DP999R Two (2) ea. Perko 8" x 14" cylinder; Model: 500-11 PLB; Pipe Size: 3" Two (2) ea. Rubber Gasket Kit for series 500; Perko Catalog No: 0500DP999R					
10 11 12	Remove existing basket strainers, clean, and reinstall prior to sea chest water strainer reassembly.					
13 14 15 16	Upon test re	completion of assembly, test for leaks in the system and repair any found. Provide a port to USCG and the Ferry Operations Division Manager.				
17 18 10	5.0	REMOVE & REPLACE FLAME SCREENS (August 22, 2018 SkagitF)				
20 21	Contra specifi	actor shall remove and replace, in kind with new, all fuel and ballast vent screens; cally:				
22 23 24		Two (2) ea. three inch (3") fuel storage tank vent screens USCG approved check ball and fire rated flame screen				
25 26		Two (2) ea. two and a half inch (2.5") ballast tank vent screens (vermin screens)				
27 28 20	screer	One (1) ea. one and one quarter inch (1 ¼") generator day tank fuel vent with flame				
23 30 31 32 33	Upon ( Divisio	completion, Contractor shall provide a Condition Found Report to the Ferry Operations on Manager.				
34 35 36	6.0	<b>OPEN &amp; CLEAN VOIDS</b> (August 22, 2018 SkagitF)				
37 38 39	The M Contra	I/V GUEMES has a total of eight (8) voids, labeled voids one (1) through eight (8). actor shall remove all manhole covers for USCG inspection.				
40 41 42 43	All voi respor antifre bidding	ids shall be drained of all fluids. The Contractor, at Contractor's expense, shall be insible for handling and disposing of all fluids, including, but not limited to fuel, oil, eze and contaminated fluids. All fluids are expected to be at a residual level; for g purposes, assume twenty-five hundred (2,500) gallons are to be removed.				
45 46 47	Loose the tim	scale and debris is to be removed from all tanks and voids which are accessed during the the vessel is at the Contractor's facility and disposed of at the Contractor's expense.				
48 49 50 51	Contra and siz Contra sevent	actor shall drain and inspect two (2) fresh water ballast tanks located in voids five (5) x (6). Contractor shall be responsible for handling and disposing of all ballast water at actor's expense. Each ballast tank holds approximately eleven thousand eight hundred ty-seven (11,877) gallons, and each tank has two (2) access man holes. Upon				

1 completion, Contractor is to re-fill two (2) ballast tanks with fresh water. This is to be done 2 prior to the vessel being re-floated. Ballast tanks are to be checked for leakage. 3

4 No void or tank shall be sealed until authorized by the Ferry Operations Division Manager, or 5 their designee.

6 7

#### 7.0 **SERVICE & SWING COMPASS**

(August 22, 2018 SkagitF)

9 10

8

11 Contractor shall arrange to have the magnetic compass reconditioned and reinstalled. Once 12 the vessel has been dry docked, the Skagit County Ferry Mechanic will remove the compass 13 for servicing. Contractor shall send the compass out for servicing within the first three (3) days the vessel is at the shipyard so that the compass can be reinstalled in time for sea 14 15 trials.

16

17 Contractor shall provide the services of a compass adjuster to re-install the compass and 18 accompany the vessel on sea trials to swing the vessel and calibrate the compass. The 19 Contractor shall be responsible for scheduling this work. Skagit County will provide 20 personnel to operate and crew the vessel for sea trials.

21

22 Note: the installation of the compass and sea trials should take place the same day if at all 23 possible. 24

25 For reference purposes only, the compass is a Dirigo brand, and is approximately five and a 26 half inches  $(5 \frac{1}{2})$  in diameter, with a four inch (4) card.

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#### 8.0 **REPLACE FIRE PUMPS**

(August 22, 2018 SkagitF)

Contractor shall remove and replace, in kind with new, a total of three (3) fire pumps as follows:

## One (1) Electric Motor Driven Fire Pump and Motor in Void Seven (7)

Barnes Series 25CCE, close coupled motor pump

38 Two (2) Hydraulic Pumps; one (1) in Void Two (2) & one (1) in No. 2 Engine Room 39 Barnes series 25ICU-1, self-priming centrifugal pump 40

Perform a functioning test on all three (3) pumps to USCG specifications. Provide a test report to the Ferry Operations Division Manager.

42 43 44

41

#### 45 9.0 **STRIP & CLEAN FUEL TANKS** 46

(August 22, 2018 SkagitF)

47

48 There are a total of four (4) main diesel fuel tanks; two (2) are located in void three (3), and 49 two (2) are located in void six (6). There is also one (1) generator diesel fuel day tank 50 located in void seven (7).

1 Contractor shall be responsible to thoroughly strip and clean all fuel tanks. For bidding 2 purposes, please assume a total of 2,500 gallons to be removed.

3 4

Contractor shall inspect the entire system to include tanks, piping, valves and cables. Submit a Condition Found Report to the Ferry Operations Division Manager.

5 6

Contractor shall service eight (8) return check valves throughout the vessel's return fuel
system. Disassemble and clean valve bodies and inside piping directly connected to the
valve. Check seating surfaces in valves with bluing compound for fit to the satisfaction of the
Skagit County Ferry Mechanic prior to reassembling.

11

12 Contractor shall be responsible, at the Contractor's expense, to arrange for re-fueling of the 13 vessel prior to departure from the Contractor's facility. Should spill-response and booming be 14 necessary for re-fueling at Contractor's facility that shall be the responsibility of the 15 Contractor. Should re-location of the vessel by tug be necessary for re-fueling, that shall be the responsibility of the Contractor. For bidding purposes, please assume that a total of 16 17 6,000 gallons will be necessary to top off the tanks. Skagit County crew will need to be on 18 board for re-fueling of the vessel; sufficient crew will include one (1) licensed Operator and 19 one (1) Deckhand or Mechanic.

- 20
- 21

23

24

### 22 10.0 DRAIN & REPLACE HYDRAULIC OIL

(August 22, 2018 SkagitF)

Contractor shall drain, and dispose of, the hydraulic oil from two (2) main engines and replace with fresh hydraulic oil. For bidding purposes, assume forty (40) gallons to be removed and replaced per engine. Contractor shall be responsible for all liability and expense for the collection, containment and disposal of all fluids.

The Contractor shall be responsible to verify the amount and procure, at the Contractor's expense, the new hydraulic oil. The hydraulic oil to be used is Union 76 Mega Flow AW hydraulic oil 46 weight.

32

Hydraulic oil shall only be re-filled upon approval of the Skagit County Ferry Mechanic. Upon
re-filling, oil will be filled to between thirty percent (30%) and fifty percent (50%) on the sight
glass while the engine is not running. Once the engines are running, and at operating
temperature, the levels will be checked again. Additional oil will be added as necessary. The
Skagit County Ferry Mechanic must witness the filling of the hydraulic oil and decide what
the final acceptable level will be.

39 40

### 41 **11.0 DRAIN & REPLACE GEAR OIL**

(August 22, 2018 SkagitF)

42 43

While propellers are removed, Contractor shall drain, and dispose of, the gear oil from two (2) outdrives and replace with fresh gear oil. For bidding purposes, assume one hundred eighteen (118) gallons to be removed and replaced per outdrive. Contractor shall be responsible for all liability and expense for the collection, containment and disposal of all fluids.

49

50 The Contractor shall be responsible to verify the amount and procure, at the Contractors 51 expense, the new gear oil. The gear oil to be used is Union 76 MPGL LS 80/90 weight. 2 Gear oil shall only be re-filled upon approval of the Skagit County Ferry Mechanic. 3 Contractor shall fill the outdrives before the propellers are re-installed to facilitate checking 4 for leaks. The Skagit County Ferry Mechanic must witness the filling of the hydraulic oil and 5 decide what the final acceptable level will be.

6 7

8

1

#### 12.0 DRAIN AND REPLACE ANTIFREEZE

(August 22, 2018 SkagitF)

9 10

11 The M/V GUEMES has two (2) Cummins KTA-19 M3 propulsion engines, and one (1) CAT 12 C4.4 MGSW auxiliary generator.

13

14 Contractor shall be responsible for all liability and expense for the collection, containment 15 and disposal of all fluids.

16

17 Contractor shall be responsible to verify with Cummins NW what type of antifreeze and 18 additives are recommended/required for main engines.

19 Note: Vessel auxiliary generator will use the same antifreeze as the main engines.

20 For reference purposes only, the serial numbers for the main engines will be:

- 21 No. 1 main engine: 37219054
- 22 No. 2 main engine: 37217217
- 23 Spare main engine: 37217216
- 24

25 Drain all antifreeze from two (2) main engines, one (1) generator and associated keel cooler 26 systems. Flush thoroughly with additives as recommended by Cummins, Inc. In the past, 27 Cummins Inc. has recommended flushing the system with a product called "Restore". 28 Therefore, Contractor shall be responsible to use Restore, or the product recommended by 29 Cummins Inc. If different than Restore, Contractor shall verify with Skagit County the product 30 to be used before use. Contractor shall be responsible to use any additive only in 31 accordance with Cummins Inc. instructions and recommendations.

32

33 For bidding purposes, main engine No. 1 and keel cooler holds approximately two hundred 34 thirty-five (235) gallons.

35 For bidding purposes, main engine No. 2 and keel cooler holds approximately two hundred 36 seventy-five (275) gallons.

37 For bidding purposes, the generator holds approximately twenty-five (25) gallons.

38

39 Contractor shall be responsible to verify, and procure, the actual amount of antifreeze and 40 recommended additive that will be necessary to complete this work.

41

42 Contractor shall pressure test the system to minimum USCG requirement for cooling 43 systems. Provide pressure test report to the Ferry Operations Division Manager and USCG.

44 45

#### 46 13.0 **MAGNETIC PARTICLE TESTING OF OUTDRIVE BRACKETS** 47

- (August 22, 2018 SkagitF)
- 48

49 Immediately upon the vessel arriving in the dry dock, Contractor shall arrange for magnetic 50 particle testing of all of the joints and plating of the outdrive hull brackets and strut brackets. 51 During the most recent dry dock period in 2017, several structural cracks were discovered, and the brackets were reinforced. Should the magnetic particle testing again reveal cracks in
the joints or plating, Contractor shall immediately issue a Condition Found Report to Skagit
County. An analysis performed by Art Anderson Associates in 2017 recommended that the
No. 2 end bracket be reinforced during the next dry-docking availability. Additional
information is provided on the CD:

- 6 7
- AAA Report FEA Results 23JUNE2017

8 The cost for the magnetic particle testing and any preparation necessary for testing shall be 9 included in the bid proposal. Modifications that may be necessary to the brackets have not 10 yet been engineered and need not be included in the bid proposal.

11 12

### 13 14.0 REMOVE AND REPLACE NO. 1 OUTDRIVE

(August 22, 2018 SkagitF)

14 15

16 Contractor shall remove and replace No. 1 outdrive with spare unit provided by Skagit 17 County. Upon arrival to the dry dock, Skagit County will either have a trailer on board with 18 the spare outdrive or have the spare outdrive delivered to the Contractor's facility. The spare 19 outdrive was overhauled in 2017 by Pacific Star Marine. Contractor shall remove existing 20 No. 1 outdrive; Skagit County will make arrangements for the transport of this outdrive to 21 Pacific Star Marine, in British Columbia, for service. As a part of this work, Contractor shall 22 assist with picking the outdrive for placement on the transport flat bed. Contractor shall 23 prioritize the removal of machinery to accommodate the dry dock schedule.

24

25 Prior to carrying out the work described in this section, the Contractor may need to 26 disassemble machinery enclosures and surrounding structure as necessary to facilitate equipment removal and to prevent damage to the structure. All removed structure will be re-27 28 installed in the condition it was found after machinery installations have been completed. 29 Contractor shall use all new bolts and new gaskets to re-assemble any machinery 30 enclosures/structures. Should removal of structure reveal any previously unknown damage 31 or defects, the Contractor shall immediately bring them to the attention of the Ferry 32 Operations Division Manager through a Condition Found Report.

33

34 All interferences obstructing this work shall be removed, stored, and reinstalled upon 35 completion of the work in this specification. The Contractor shall restore all interferences to 36 the physical and operational condition they were in just prior to removal and shall include 37 touchup painting and new bolts and fasteners. It is the Contractor's responsibility to 38 accurately determine the amount of interferences necessary for removal and provide a bid 39 that reflects the complete interference work. It is recommended that all interested bidders 40 attend the pre-bid meeting to fully understand the scope of the interference removals. A ship 41 check will take place as a part of the pre-bid meeting, and Bidders will have access to the 42 machinery spaces and surrounding structures. Additional information is provided on the CD:

- 43
- 44 45
- Ulstein 8105823 Model 370 DF, General Arrangement

Contractor shall disconnect and re-install all flexible hoses as necessary to complete this work. If hoses require replacement, Contractor shall issue a Condition Found Report. The Contractor shall ensure proper containment, handling, storage and/or disposal of any and all residual liquids contained in the oil piping systems. All hoses currently on the vessel are tagged. For informational purposes, a list of hoses has been included on the CD:

- 51
- MV Guemes Hose Spec Sheet 2017

2 Contractor shall replace all fastening hardware at the outdrive strut brackets. Skagit County 3 has been using nuts and bolts as follows: eight (8) one (1) inch bolts, sixteen (16) nuts and 4 sixteen (16) flat hardened washers. The bolts are roughly 5 inches in length and Grade 8. All 5 bolts have had lock tight used when assembling, and an additional jam nut was used on 6 each bolt. If the same fastening configuration is to be re-used, Skagit County will provide the 7 fasteners. However, the bolts have been backing out or breaking causing excessive 8 movement of the outdrives and requiring constant monitoring and tightening in service. Upon 9 inspection and issuance of a Condition Found Report, Contractor, Pacific Star Marine and 10 Skagit County shall engineer a solution. The cost of such a solution is not expected to be 11 included in the bid proposal.

12

1

For informational purposes, the no. 1 main engine will remain in place to be serviced by a
Cummins technician. Skagit County will arrange for, and will be responsible for, any servicing
of the engine that may be necessary during the dry dock period.

16

17 Engine reduction gear flange to outdrive gear flange alignment must be in accordance with 18 Drawing SKA-182-01 Rev A. The exact positions of the newly installed machinery will be 19 governed by the location of the Ulstein thruster input flange and the offset of the universal 20 joint shaft. The Contractor shall position the engine and gear foundations such that the 21 current vertical offset between gear output flange and thruster input flange does not exceed 22 its current value of one half inch (1/2"). There will be no lateral offset between the gear 23 output flange and thruster input flange. Laser alignment shall be used.

24

The alignment of the outdrive to gear and engine is critical. The pivot shaft shall be measured and the shaft carriage blocks line bored to approximately 0.004" over size to allow for driving movement. Reference SCD-001 Pivot Pin Drawing on the CD.

28

29 Contractor shall reference the Drivelines NW file (two (2) pages) included on the CD 30 provided. The Drivelines NW drawing (page two (2)) states to install the cardan shaft with 31 two (2) to three (3) degrees of angle. The union joint angles in the cardan shaft shall be 32 equal, and shall be approximately three (3) degrees (plus or minus one (1) degree). Final 33 alignment measurements shall be recorded and provided to the Ferry Operations Division 34 Manager for approval.

35 36

37

38

39

### 15.0 REMOVE AND REPLACE NO. 2 OUTDRIVE

(August 22, 2018 SkagitF)

40 Contractor shall remove and replace the No. 2 outdrive; once removed from the vessel, this 41 outdrive will be serviced by Pacific Star Marine (at Skagit County's expense) while the vessel 42 is at the Contractor's facility. Upon completion of the service, the outdrive will be re-delivered 43 to the shipyard for installation. Skagit County will make arrangements for the transport of this 44 outdrive to Pacific Star Marine, in British Columbia, for service and back to the shipyard. As 45 a part of this work, Contractor shall assist with picking the outdrive for placement on the 46 transport flat bed. Contractor shall prioritize the removal of machinery to accommodate the 47 dry dock schedule.

48

49 Prior to carrying out the work described in this section, the Contractor may need to 50 disassemble machinery enclosures and surrounding structure as necessary to facilitate 51 equipment removal and to prevent damage to the structure. All removed structure will be reinstalled in the condition it was found after machinery installations have been completed.
Contractor shall use all new bolts and new gaskets to re-assemble any machinery
enclosures/structures. Should removal of structure reveal any previously unknown damage
or defects, the Contractor shall immediately bring them to the attention of the Ferry
Operations Division Manager through a Condition Found Report.

6

7 All interferences obstructing this work shall be removed, stored, and reinstalled upon 8 completion of the work in this specification. The Contractor shall restore all interferences to 9 the physical and operational condition they were in just prior to removal and shall include 10 touchup painting and new bolts and fasteners. It is the Contractor's responsibility to 11 accurately determine the amount of interferences necessary for removal and provide a bid 12 that reflects the complete interference work. It is recommended that all interested bidders 13 attend the pre-bid meeting to fully understand the scope of the interference removals. A ship 14 check will take place as a part of the pre-bid meeting, and Bidders will have access to the 15 machinery spaces and surrounding structures. Additional information is provided on the CD:

- 16 17
- Ulstein 8105823 Model 370 DF, General Arrangement
- 18

19 Contractor shall disconnect and re-install all flexible hoses as necessary to complete this 20 work. If hoses require replacement, Contractor shall issue a Condition Found Report. The 21 Contractor shall ensure proper containment, handling, storage and/or disposal of any and all 22 residual liquids contained in the oil piping systems. All hoses currently on the vessel are 23 tagged. For informational purposes, a list of hoses has been included on the CD:

- 24 25
- MV Guemes Hose Spec Sheet 2017
- 26

WV Guernes Hose Spec Sheet 20

27 Contractor shall replace all fastening hardware at the outdrive strut brackets. Skagit County 28 has been using nuts and bolts as follows: eight (8) one (1) inch bolts, sixteen (16) nuts and 29 sixteen (16) flat hardened washers. The bolts are roughly 5 inches in length and Grade 8. All 30 bolts have had lock tight used when assembling, and an additional jam nut was used on 31 each bolt. If the same fastening configuration is to be re-used, Skagit County will provide the 32 fasteners. However, the bolts have been backing out or breaking causing excessive 33 movement of the outdrives and requiring constant monitoring and tightening in service. Upon 34 inspection and issuance of a Condition Found Report, Contractor, Pacific Star Marine and 35 Skagit County will engineer a solution. The cost of such a solution is not expected to be 36 included in the bid proposal.

37

For informational purposes, the no. 2 main engine will remain in place to be serviced by a
 Cummins technician. Skagit County will arrange for, and shall be responsible for, any
 servicing of the engine that may be necessary during the dry dock period.

41

Engine reduction gear flange to outdrive gear flange alignment must be in accordance with Drawing SKA-182-01 Rev A. The exact positions of the newly installed machinery will be governed by the location of the Ulstein thruster input flange and the offset of the universal joint shaft. The Contractor shall position the engine and gear foundations such that the current vertical offset between gear output flange and thruster input flange does not exceed its current value of one half inch (1/2"). There will be no lateral offset between the gear output flange and thruster input flange. Laser alignment shall be used.

1 The alignment of the outdrive to gear and engine is critical. The pivot shaft should be 2 measured and the shaft carriage blocks line bored to approximately 0.004" over size to allow 3 for driving movement. Reference SCD-001 Pivot Pin Drawing on the CD.

4

5 Contractor shall reference the Drivelines NW file (two (2) pages) included on the CD 6 provided. The Drivelines NW drawing (page two (2)) states to install the cardan shaft with 7 two (2) to three (3) degrees of angle. The union joint angles in the cardan shaft shall be 8 equal, and shall be approximately three (3) degrees (plus or minus one (1) degree). Final 9 alignment measurements shall be recorded and provided to the Ferry Operations Division Manager for approval.

- 10 11
- 12 For reference purposes, the following information is provided.
- 13
- 14 The outdrive shall be serviced at:
- 15 Pacific Star Marine Inc.
- 16 14301 256<sup>th</sup> St. Unit 109
- 17 Maple Ridge, BC V4R 0B9, Canada
- 18 Phone: (604) 462-1188
- 19 Contact Person: Mike Butler
- 20
- 21

23

24

#### 22 16.0 **REMOVE & REINSTALL REDUCTION GEARS**

(August 22, 2018 SkagitF)

25 Contractor shall remove and replace two (2) ZF550 reduction gears. Upon arrival to the dry 26 dock. Skagit County will either have a trailer on board with one (1) spare reduction gear or 27 have the spare reduction gear delivered to the Contractor's facility. The spare reduction gear 28 was overhauled in 2017 by ZF Marine in Mukilteo, WA.

29

30 Contractor shall remove the No. 1 and No. 2 reduction gears. Upon removal of the No. 1 31 reduction gear. Contractor shall install the spare reduction gear. Once the No. 2 reduction 32 gear has been removed, both reduction gears will be transported to ZF Marine, in Mukilteo, 33 WA for overhaul (at Skagit County's expense). The reduction gear determined to be in the 34 best shape upon inspection shall be overhauled and re-delivered to the shipyard. The 35 contractor shall then re-install the recently overhauled gearbox in to the vessel. Skagit County will. (at Skagit County's expense), make arrangements for the transport of the 36 37 gearboxes to ZF Marine and the overhaul. As a part of this work, Contractor shall need to 38 assist with picking the removed reduction gear for placement in a pick-up truck for transport.

39

40 Prior to carrying out the work described in this section, the Contractor may need to 41 disassemble machinery enclosures and surrounding structure as necessary to facilitate 42 equipment removal and to prevent damage to the structure. All removed structure shall be 43 re-installed in the condition it was found after machinery installations have been completed. 44 Contractor shall use all new bolts and new gaskets to re-assemble any machinery 45 enclosures/structures. Should removal of structure reveal any previously unknown damage 46 or defects, the Contractor shall immediately bring them to the attention of the Ferry 47 Operations Division Manager through a Condition Found Report.

48

49 All interferences obstructing this work shall be removed, stored, and reinstalled upon 50 completion of the work in this specification. The Contractor shall restore all interferences to 51 the physical and operational condition they were in just prior to removal and shall include 1 touchup painting and new bolts and fasteners. It is the Contractor's responsibility to 2 accurately determine the amount of interferences necessary for removal and provide a bid 3 that reflects the complete interference work. It is recommended that all interested bidders 4 attend the pre-bid meeting to fully understand the scope of the interference removals. A ship 5 check will take place as a part of the pre-bid meeting, and Bidders will have access to the 6 machinery spaces and surrounding structures.

7

8 Contractor shall disconnect and re-install all flexible hoses as necessary to complete this 9 work. If hoses require replacement, Contractor shall issue a Condition Found Report. The 10 Contractor shall ensure proper containment, handling, storage and/or disposal of any and all 11 residual liquids contained in the oil piping systems. All hoses currently on the vessel are 12 tagged. For informational purposes, a list of hoses has been included on the CD:

- 13
- MV Guemes Hose Spec Sheet 2017
- 14

15 Reduction gears shall be removed and reinstalled in accordance with manufacturer's 16 specifications.

17

18 Engine reduction gear flange to outdrive gear flange alignment must be in accordance with 19 Drawing SKA-182-01. The exact positions of the newly installed machinery will be governed 20 by the location of the Ulstein thruster input flange and the offset of the universal joint shaft. 21 The Contractor shall position the engine and gear foundations such that the current vertical 22 offset between gear output flange and thruster input flange does not exceed its current value 23 of one half inch (1/2"). There will be no lateral offset between the gear output flange and 24 thruster input flange.

- 25
- 26 For reference purposes, the following information is provided.
- 27

28 The reduction gears shall be overhauled at:

- 29 ZF Marine Propulsion Systems Miramar, LLC
- 30 12125 Harbour Reach Drive Ste B
- 31 Mukilteo, WA 98275
- 32 Phone: (425) 583-1969
- 33 Contact Person: Kevin Zwicker
- 34 35

#### 36 **REMOVE & REPLACE DRIVELINES** 17.0

(August 22, 2018 SkagitF)

37 38

39 Contractor shall remove two (2) driveline shafts and replace in kind with new. For bidding 40 purposes, the drivelines are ELBE 120 series drive shafts; part no. 0-120-1810/ZF550. A 41 PDF document from Drivelines NW, two (2) pages to include a drawing, has been included 42 on the CD provided. Drivelines shall be installed to manufacturer's specifications. All 43 fasteners, hardware, gaskets, o-rings, etc. shall be replaced in kind with new. Hydraulic 44 steering pumps will need to be removed and reinstalled to accomplish this work.

45

Contractor shall reference the Drivelines NW file (two (2) pages) included on the CD 46 47 provided. The Drivelines NW drawing (page two (2)) states to install the cardan shaft with 48 two (2) to three (3) degrees of angle. The union joint angles in the cardan shaft shall be 49 equal, and shall be approximately three (3) degrees (plus or minus one (1) degree). Final 50 alignment measurements shall be recorded and provided to the Ferry Operations Division 51 Manager for approval.

2019 HAUL OUT & MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1 SKAGIT COUNTY SPECIAL PROVISIONS AUGUST, 2018

2 All interferences obstructing this work shall be removed, stored, and reinstalled upon 3 completion of the work in this specification. The Contractor shall restore all interferences to 4 the physical and operational condition they were in just prior to removal and shall include 5 touchup painting and new bolts and fasteners. It is the Contractor's responsibility to 6 accurately determine the amount of interferences necessary for removal and provide a bid 7 that reflects the complete interference work. It is recommended that all interested bidders 8 attend the pre-bid meeting to fully understand the scope of the interference removals. A ship 9 check will take place as part of the pre-bid meeting, and Bidders will have access to the 10 engines and drivelines.

11 12

14

15

1

#### 13 18.0 **REMOVE & REINSTALL PROPLLERS**

(August 22, 2018 SkagitF)

16 Contractor shall remove two (2) existing propellers and send them out for re-conditioning at 17 the Contractor's expense. For reference, the existing propellers are fifty-two inch (52") 18 diameter, four (4) blade, and thirty-six point five (36.5) pitch bronze propellers. Both 19 propellers were newly purchased, from Kruger & Sons, and installed in 2017. For bidding 20 purposes, reconditioning shall include ding repairs, change and/or correct pitch if necessary, 21 polish, and balance.

22

23 Contractor shall reinstall the re-conditioned propellers; for installation, Contractor shall refer 24 to Section 4.4 of the "Ulstein 370-DF Manual" included on the CD provided.

25

26 Contractor shall ensure blued for fit to the propeller shaft in accordance with the Ulstein 27 Outdrive Manual of *eighty-five percent (85%)*, drawing # D8103375. Fit is to be witnessed 28 and approved by the Skagit County Ferry Mechanic.

29 30

#### 31 19.0 NON-SKID SURFACING OF CAR DECK 32

(August 22, 2018 SkagitF)

33

34 Surface Preparation (standard language in all paint specs; may or may not apply specifically 35 to this work item):

36 Optional acceptable standards (acceptable in all areas except Ballast Tanks): SSPC-6 37 Commercial Blast (dry or wet ring), SSPC-SP-12 UHP WJ-2L, SSPC-SP-15 Power Tool.

38

39 All prepared surfaces prior to coating shall be an "L" grade or less for flash rust. All areas 40 prior to "surface preparation" shall be Low-Pressure Water Washed (LP WC) using fresh 41 water at a nozzle pressure of 3,000 to 5,000 psi and using Prep 88 Cleaner/Etcher (do not 42 use Prep 88 in the A/F areas) per the manufacturer's instructions. All areas of spot 43 preparation shall have feathered edges prior to coating.

44

45 Perform combination of track blasting and UHPWB (40,000 psi) to remove existing deck 46 coatings and apply new coating system. This work specification includes the deck surfaces 47 outboard of the house and the main deck bulwarks. This work also includes apron slide 48 areas, walkway by passenger cabin and external engine compartment decks. For bidding 49 purposes, assume 5,000 square feet of surface.

50

51 Paint shall be applied as follows: 1

COAT	PRODUCT	WFT	DFT	COLOR	OVERCOATING @ 50F MIN/HRS	THINNER	POT LIFE
1 F/C	302 Zinc Rich Epoxy	4-5	3-4	Green	10 Hrs.	T-10	4 Hrs.
1 F/C	240 Amercoat Epoxy	10-11	7-8	Dark Gray	10 Hrs.	T-10	4 Hrs.
1 F/C	138 Amercoat Heavy Duty Non- Skid Epoxy	Roll ¼" Profile		Dark Gray	24 Hrs. to Vessel Departure	T-10	4 Hrs.

2 F/C = Full Coat

3

Contractor shall power brush each hatch cover then apply one coat of Amercoat 240 primer,
then apply one coat 138G Heavy Duty Epoxy Non-Skid Coating. Roll to one quarter inch
(1/4") profile.

7

After non-skid application, repaint all lane markings in accordance with the drawing labeled
"Guemes Ferry Striping 15-01-22". While paint is still wet on lane markings, apply Amercoat
885 anti-slip additive to paint to act as a non-skid surface.

11

After non-skid application, repaint yellow safety marking zones with Amerlock 2 high build
 epoxy tinted to match existing color schemes. While paint is still wet on yellow safety zones,
 apply Amercoat 885 anti-slip additive to paint to act as a non-skid surface.

15

All non-skid applications are to be applied per paint manufacturer's recommendations. Prior
to departure from the Contractor's facility, Contractor shall repaint all yellow piping that runs
the length of the deck on both sides of the car deck.

19

The Contractor shall be responsible to verify the amount of materials that will be necessary to complete this work. It is highly recommended that the Contractor attend the pre-bid meeting to fully understand the scope of this work. A ship check will be part of the pre-bid meeting, and Bidders will have access to the car deck.

24

For all paint applications covered under this specification, Contractor shall allow a minimum of twenty-four (24) hours dry time prior to the Vessel's departure from the Contractor's facility.

28 29

### 30 20.0 RECOAT HULL

(August 22, 2018 SkagitF)

31 32

Surface Preparation (standard language in all paint specs; may or may not apply specificallyto this work item):

35 Optional acceptable standards (acceptable in all areas except Ballast Tanks): SSPC-6 36 Commercial Blast (dry or wet ring), SSPC-SP-12 UHP WJ-2L, SSPC-SP-15 Power Tool.

37

38 All prepared surfaces prior to coating shall be an "L" grade or less for flash rust. All areas

39 prior to "surface preparation" shall be Low-Pressure Water Washed (LP WC) using fresh 40 water at a nozzle pressure of 3,000 to 5,000 psi and using Prep 88 Cleaner/Etcher (do not 1 use Prep 88 in the A/F areas) per the manufacturer's instructions. All areas of spot preparation shall have feathered edges prior to coating.

2 3

4 High pressure fresh water wash entire hull from the boot stripe down immediately after 5 vessel is lifted out of the water to remove all marine growth (scrape as necessary) before it is 6 allowed to dry. The grate protecting the generator keel cooler must be removed to remove 7 marine growth. Use fan tip nozzles only to minimize damage to bottom coating. 8

9 Underwater Hull (Keel to Load Line)

10 Remove all marine growths and/or salts. Sea chest grate removal will be necessary to remove any marine growth inside the sea chest area and for painting. Hand prep and paint 11 12 all blocking areas from the previous dry dock position and any areas where anti-fouling has 13 failed from corrosion or mechanical damage. For the purposes of bidding, assume six 14 hundred square feet (600ft<sup>2</sup>) of corrosion/damage; actual amount may be more or less. Spot 15 prep (see surface preparation) areas showing paint failures and paint as follows:

16

COAT	PRODUCT	WFT	DFT	COLOR	OVERCOATING @ 50 F MIN/HRS	THINNER	POT LIFE
1 T/U	240 Amercoat Epoxy	10-11	7-8	Buff	10 Hrs.	T-10	4 Hrs.
1 T/U	240 Amercoat Epoxy	10-11	7-8	Gray	Thumb Print	T-10	4 Hrs.
Keel Coolers	240 Epoxy, Add 880 Glass Flake	10-11	7-8	Gray	Thumb Print	T-10	4 Hrs.
1 F/C	ABC #3 AF	9-10	4-5	Black	6 Hrs.	T-10	
1 F/C	ABC #3 AF	9-10	4-5	Red	24 Hrs. to Launch	T-10	

17 T/U = Touch-Up Coat

18 19 F/C = Full Coat

20 Freeboard Area (Between Boot Stripe and Top Edge of Guard Rail)

21 For the purposes of bidding, assume two hundred fifty square feet (250ft<sup>2</sup>) of 22 corrosion/damage; actual amount may be more or less. Spot prep (see surface preparation) 23 24 areas showing paint failures and paint as follows:

COAT	PRODUCT	WFT	DFT	COLOR	OVERCOATING @ 50 F MIN/HRS	THINNER	POT LIFE
1 T/U	240 Amercoat Epoxy	7-8	5-6	Buff	10 Hrs.	T-10	4 Hrs.
1 T/U	240 Amercoat Epoxy	7-8	5-6	Gray	10 Hrs.	T-10	4 Hrs.
1 F/C	Amershield Urethane	4-6	3-4	Black	24 Hrs. to Launch	T-10	4 Hrs.
1 F/C	Amershield Urethane Boot Stripe	4-6	3-4	White	24 Hrs. to Launch	T-10	4 Hrs.

25 T/U = Touch-Up Coat

26 F/C = Full Coat

27

28 All paint shall match existing color schemes. All draft markings shall be repainted including 29 the boot stripe. All primers and paints are to be applied per paint manufacturer's 30 specifications.

31

32 Outdrive legs will receive same cleaning, prep and painting applications as listed for 33 underwater hull.

34

35 All through-hull fittings and docking plug ports are to be plugged during blasting and painting.

36 Keel blocking is to be done to maximize anti-fouling protection applied to underwater

1 surfaces. All seal faces and exposed shafts shall be covered and protected from grit, dust 2 and paint. Transducer shall be shielded from blasting and paint. All protective grates shall be 3 reinstalled to the satisfaction of the Ferry Operations Division Manager, or their designee, 4 prior to launch.

5 6

7

The Contractor shall be responsible to determine the amount of materials necessary to complete the work. Contractor may reference Drawing 77083-02-3 included on the CD provided.

8 9 10

#### 11 21.0 SPOT PAINT VOIDS 12

(August 22, 2018 SkagitF)

13

14 Surface Preparation (standard language in all paint specs; may or may not apply specifically 15 to this work item):

16 Optional acceptable standards (acceptable in all areas except Ballast Tanks): SSPC-6 Commercial Blast (dry or wet ring), SSPC-SP-12 UHP WJ-2L, SSPC-SP-15 Power Tool. 17

18 All prepared surfaces prior to coating shall be an "L" grade or less for flash rust. All areas 19 prior to "surface preparation" shall be Low-Pressure Water Washed (LP WC) using fresh 20 water at a nozzle pressure of 3,000 to 5,000 psi and using Prep 88 Cleaner/Etcher per the

21 manufacturer's instructions. All areas of spot preparation shall have feathered edges prior to 22 coating.

23 Spot prep (see Surface Preparation) any defective areas showing paint failures in each void.

24 voids one (1) through eight (8); assuming 10% spot prep in each void, as follows:

25

COAT	PRODUCT	WFT	DFT	COLOR	OVERCOATING @ 50 F MIN HRS	THINNE R	POT LIFE
1 T/U	240 Amercoat Epoxy	7-8	5-6	White	10	T-10	4 hrs.
1 T/U	240 Amercoat Epoxy	7-8	5-6	Buff	10	T-10	4 hrs.
1 T/U	240 Amercoat Epoxy	7-8	5-6	Buff	10	T-10	4 hrs.

- 26 T/U = Touch-Up Coat
- 27

28 Ventilation is required during applications and following completion for seven (7) days 29 minimum for cure.

30 The contractor must finish any and all painting in the voids a minimum of thirty-six (36) hours 31 prior to any dock or open water sea trials.

32 Any identification tags or labels must be protected from overspray.

33 34

#### 35 **PREP & PAINT EXHAUST STACKS** 22.0 36

(August 22, 2018 SkagitF)

37

38 Prepare (sandblast, if necessary to bring down to bare), profile, prime, and paint two (2) 39 exhaust main engine mufflers and one (1) generator muffler and pipe surfaces with two (2) 40 coats of PSX 893HS black high heat, at four (4) to five (5) mils WFT and three (3) to four (4) 41 mils DFT per coat.

42 43

45

#### 44 23.0 **UNANTICIPATED REPAIRS**

(August 22, 2018 SkagitF)

2019 HAUL OUT & MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1 SKAGIT COUNTY SPECIAL PROVISIONS AUGUST, 2018

2 This item consists of additional work required to repair components of the vessel unforeseen 3 prior to the project. An estimated amount has been added to the bid proposal to provide a 4 common basis for all bidders. If work is not performed or required, Skagit County shall be 5 credited for this. If only a portion of this work is performed, Skagit County shall be credited 6 based on number of dollars used. Work to be added under this specification shall be in 7 accordance with the contract provisions, and shall be approved by the Ferry Operations 8 Division Manager prior to execution.

9 10

1

#### 11 24.0 **MISCELLANOUS PAINTING**

(August 22, 2018 SkagitF)

12 13

14 Contractor is to provide up to two thousand five hundred square feet (2,500  $\text{ft}^2$ ) of prepping 15 and touchup painting on handrails, bulwarks, house, etc. If work is not performed or 16 required. Skagit County shall be credited for this. If only a portion of this work is performed. 17 Skagit County shall be credited based on the square footage.

18 19

22

#### 20 **MISCELLANEOUS CUTTING AND WELDING** 25.0 21

(August 22, 2018 SkagitF)

23 Contractor to provide up to eighty (80) hours of cutting and welding time to allow for minor 24 alterations and additional repairs. If work is not performed or required, Skagit County shall 25 be credited for this. If only a portion of this work is performed, Skagit County shall be 26 credited based number of hours used.

27 28

#### 26.0 **MISCELLANOUS CRANE TIME**

(August 22, 2018 SkagitF)

30 31

29

32 Contractor is to provide up to forty (40) hours of crane time to assist with lifting heavy items 33 or machinery. If work is not performed or required, Skagit County shall be credited for this. If 34 only a portion of this work is performed, Skagit County shall be credited based number of 35 hours used.

36 37

38

39 40

#### 27.0 **MISCELLANOUS LABOR**

(August 22, 2018 SkagitF)

41 Contractor is to provide up to one hundred twenty (120) hours of labor to assist with 42 miscellaneous tasks necessary to allow for minor alterations, repairs, or maintenance. If 43 work is not performed or required, Skagit County shall be credited for this. If only a portion of 44 this work is performed, Skagit County shall be credited based number of hours used.

45 46

#### 47 28.0 **DOCK & SEA TRIALS** 48

- (August 22, 2018 SkagitF)
- 49
- 50 Following completion of all work, the main engines and auxiliary machinery will be operated 51 at the dock for a period of two (2) hours to demonstrate readiness for sea. This list is

1	provide	ed for informational purposes; Skagit County's Ferry Mechanic will perform these tests
2	with th	e Contractor's assistance.
3		
4	Dock t	rials will, at a minimum, include the following:
5	1.	Both local and Pilothouse propulsion controls will be calibrated and tested for correct
6		operation.
7	2.	Main engines and gears will be operated over the entire speed range to check for
8		proper operation and to determine if engine vibration and noise levels are within
9		manufacturer specifications.
10	3.	Operation of reduction gear clutches will be tested. Propulsion thrusters shall be
11		operated up to maximum allowable RPM in both directions of rotation - subject to the
12		limitations of the mooring and dock structure.
13	4.	Machinery alarms will be tested for proper alarm annunciation under alarm
14		conditions. Testing shall be non-destructive in nature. If necessary, alarm set points
15	_	will be adjusted.
10	5.	Automatic engine shutdowns will be tested for proper operation. Testing will be
17	0	nondestructive in nature.
18	6.	Primary hydraulic system, which controls azimuthing thruster, will be tested for proper
19		operation over the entire engine speed range. Pump load-sensing and pressure
20		compensated controls will be tested for correct operation. Pressure settings for
21		pressure compensation control will be adjusted and set. Testing will demonstrate that
22	7	undue nead accumulation does not occur when the pump is in standby mode.
23	7.	Secondary hydraulic systems at both ends of the boat will be tested over the entire
24		engine speed range for proper operation in both standby and active modes. All
20		system loads will be full at fated conditions. Fullip load-sensing and pressure
20		pressure compensation control will be adjusted and set. Testing will demonstrate that
28		undue heat accumulation does not occur when the nump is in standby mode
20	Q	Evel system will be checked for proper operation over the entire engine load range
29	0. Q	Cooling system flow rates will be checked for compliance with manufacturer specified
31	5.	operating conditions. Flow orifice size will be adjusted if necessary
32	10	Any regulatory required testing not mentioned above
33	10	. Any regulatory required testing not mentioned above.
34	Once	dock trials are completed to the satisfaction of the Ferry Operations Division Manager
35	the Co	intractor shall provide shipvard personnel to be onboard for sea trials. Sea trials shall
36	be a r	ninimum of four (4) hours. For bidding purposes, please assume sixteen (16) hours
37	total fo	or dock and sea trials with two machinists onboard.

1

### 2

Appendices (August 31, 2016) SCF 3

4	The following appendices are attached and made a part of this contract:
5	
6	
7	APPENDIX A:
8	Tag Lists
9	
10	APPENDIX B:
11	Drawings & CD
12	
13	APPENDIX C:
14	Timeline and Schedule
15	
16	APPENDIX D:
17	Wage Rates
18	Washington State Prevailing Wage Rates
19	
20	APPENDIX E:
21	Construction Contract and
22	Contract Bond – Information Only
23	
24	APPENDIX F:
25	Proposal – Informational Only
26	
27	APPENDIX G:
28	Insurance Information
29	
30	
31	
32	
33	

# **APPENDIX** A

# **Tag Lists**



**EXHIBIT A** 



NOTICE ABSOLUTELY NO UNAUTHORIZED PERSONNEL

REGULATION OF THE COMMANDANT UNITED STATES COAST GUARD RED LETTERING WHITE BACKGROUND 18" WIDE 12" TALL

### FUEL TANK AND VOIDS

ALL TAGS BRASS SIZE 4"LONG 1" WIDTH

VOID # 1		STBD FUEL TANK VOID # 3
VOID # 2	VOID # 2	PORT_FUEL TANK VOID # 3
VOID # 3	VOID # 3	STBD FUEL TANK VOID # 6
VOID # 4	VIOD #4	PORT_FUEL TANK VOID # 6
VOID #5	VOID # 5	FWD BALLAST SOUNDINGS
VOID # 6	VOID # 6	AFT BALLAST SOUNDINGS
VOID # 7	VOID # 7	
VOID # 8		

SHORE POWER 480 VOLTS	FWD FUEL VENT	OPEN
BILGE SUCTION	FWD BALLAST VENT	PORT FWD FUEL SUCTION
BILGE CROSSOVER	AFT BALLAST VENT	CLOSED
VOID 2 BILGE	AFT FUEL VENT	OPEN
VOID 3 BILGE	FWD VOID VENT	STBD FWD FUEL SUCTION
VOID 4 BILGE	AFD VOID VENT	CLOSED
FWR BALLAST SUCTION	DAY TANK FUEL VENT	OPEN
AFT BALLAST SUCTION		PORT FWD FUEL FILL
FWR BALLAST FILL		CLOSED
AFT BALLAST FILL		OPEN
FIRE PUMP DISCHARGE	HYDRAULIC POWER PUMP	STBD FWD FUEL FILL
	HYDRAULIC POWER PUMP	CLOSED
	DIESEL FUEL FILL	

ALL TAG WHITE LETTERING BLACK BACKGROUND SIZE 4"LONG AND 1" WIDTH

OPEN	OPEN	RAMP POWER DISCONNECT
STBD AFT FUEL SUCTION	PORT AFT FUEL FILL	RAMP POWER DISCONNECT
CLOSED	CLOSED	POTABLE WATER FILL
OPEN	OPEN	POTABLE WATER VENT
PORT AFT FUEL SUCTION	STBD AFT FUEL FILL	FUEL SOUNDING STBD FWD
CLOSED	CLOSED	FUEL SOUNDING PORT FWD
	VOID 5 BILGE	FUEL SOUNDING STBD AFT
FIRE PUMP PRESSURE	VOID 6 BILGE	FUEL SOUNDING PORT AFT
	VOID 7 BILGE	PORT ENGINE COOLING VENT
	BILGE CROSSOVER	STBD ENGINE COOLING VENT
	BILGE SUCTION	SHORE POWER 480 VOLTS
	SHORE POWER 480 VOLTS	
	SHORE POWER 480 VOLTS	

ALL TAG WHITE LETTERING BLACK BACKGROUND SIZE 4"LONG AND 1" WIDTH

## TAGS



# APPENDIX B

# CD

### This page intentionally left blank for CD insert.

If downloading from Internet, call the Ferry Operations Division Manager (360) 416-1466 for a copy.

## **APPENDIX C**

## **Timeline and Schedule**
#### TIMELINE AND SCHEDULE

2019 Haul-Out and Maintenance for the Vehicle and Passenger Ferry M/V Guemes

Timelines and schedules: These are *estimated* and are provided for background information only.

Skagit County Issues Bid:	September 10, 2018
Published Advertisement:	September 13, September 20, and September 27, 2018
Pre-Bid Inspection:	September 20, 2018, 11:45 a.m. to 12:45 p.m.
Last day on which questions may be submitted regarding the project:	September 21, 2018, by 4:30 p.m.
Addenda (if applicable) Issued:	September 25, 2018 by 4:30 p.m.
Bid Due Date/Bid Opening:	October 8, 2018 at 1:00 p.m.
Award Date:	October 15, 2018
Mandatory Contract Return Date:	Awarded Contractor must return signed contracts, performance and payment bond, and insurance certificate and other documents within twenty (20) business days after the award date from Skagit County.
Start Date:	TBD
Completion Date:	TBD

## **APPENDIX D**

Wage Rates Washington State Prevailing Wage Rates

### State of Washington Department of Labor & Industries Prevailing Wage Section - Telephone 360-902-5335

PO Box 44540, Olympia, WA 98504-4540

## Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

## Journey Level Prevailing Wage Rates for the Effective Date: 9/12/2018

County	Trade	Job Classification	Wage	Holiday	Overtime	Note
Skagit	Asbestos Abatement Workers	Journey Level	\$46.57	<u>5D</u>	<u>1H</u>	
Skagit	Boilermakers	Journey Level	\$66.54	<u>5N</u>	<u>1C</u>	
Skagit	Brick Mason	Journey Level	\$57.32	<u>5A</u>	<u>1M</u>	
Skagit	Brick Mason	Pointer-Caulker-Cleaner	\$57.32	<u>5A</u>	<u>1M</u>	
Skagit	Building Service Employees	Janitor	\$11.50		<u>1</u>	
Skagit	Building Service Employees	Shampooer	\$11.50		<u>1</u>	
Skagit	Building Service Employees	Waxer	\$11.50		<u>1</u>	
Skagit	Building Service Employees	Window Cleaner	\$11.50		<u>1</u>	
Skagit	Cabinet Makers (In Shop)	Journey Level	\$18.85		<u>1</u>	
Skagit	<u>Carpenters</u>	Acoustical Worker	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	<u>Carpenters</u>	Bridge, Dock And Wharf Carpenters	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	<u>Carpenters</u>	Carpenter	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	<u>Carpenters</u>	Carpenters on Stationary Tools	\$60.17	<u>5D</u>	<u>4C</u>	
Skagit	<u>Carpenters</u>	Creosoted Material	\$60.14	<u>5D</u>	<u>4C</u>	
Skagit	<u>Carpenters</u>	Floor Finisher	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	<u>Carpenters</u>	Floor Layer	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	<u>Carpenters</u>	Scaffold Erector	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	Cement Masons	Journey Level	\$60.07	<u>7A</u>	<u>1M</u>	
Skagit	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$113.60	<u>5D</u>	<u>4C</u>	
Skagit	Divers & Tenders	Dive Supervisor/Master	\$76.33	<u>5D</u>	<u>4C</u>	
Skagit	Divers & Tenders	Diver	\$113.60	<u>5D</u>	<u>4C</u>	<u>8V</u>
Skagit	Divers & Tenders	Diver On Standby	\$71.33	<u>5D</u>	<u>4C</u>	
Skagit	Divers & Tenders	Diver Tender	\$64.71	<u>5D</u>	<u>4C</u>	
Skagit	Divers & Tenders	Manifold Operator	\$64.71	<u>5D</u>	<u>4C</u>	
Skagit	Divers & Tenders	Manifold Operator Mixed Gas	\$69.71	<u>5D</u>	<u>4C</u>	
Skagit	Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$64.71	<u>5D</u>	<u>4C</u>	
Skagit	Divers & Tenders	Remote Operated Vehicle Tender	\$60.29	<u>5A</u>	<u>4C</u>	
Skagit	Dredge Workers	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>	
Skagit	Dredge Workers	Assistant Mate (Deckhand)	\$56.00	<u>5D</u>	<u>3F</u>	

Skagit	Dredge Workers	Boatmen	\$56.44	<u>5D</u>	<u>3F</u>	
Skagit	Dredge Workers	Engineer Welder	\$57.51	<u>5D</u>	<u>3F</u>	
Skagit	Dredge Workers	Leverman, Hydraulic	\$58.67	<u>5D</u>	<u>3F</u>	
Skagit	Dredge Workers	Mates	\$56.44	<u>5D</u>	<u>3F</u>	
Skagit	Dredge Workers	Oiler	\$56.00	<u>5D</u>	<u>3F</u>	
Skagit	Drywall Applicator	Journey Level	\$58.48	<u>5D</u>	<u>1H</u>	
Skagit	Drywall Tapers	Journey Level	\$59.32	<u>5P</u>	<u>1E</u>	
Skagit	Electrical Fixture Maintenance Workers	Journey Level	\$21.48		<u>1</u>	
Skagit	Electricians - Inside	Cable Splicer	\$71.52	<u>7H</u>	<u>1E</u>	
Skagit	Electricians - Inside	Construction Stock Person	\$34.97	<u>7H</u>	<u>1D</u>	
Skagit	Electricians - Inside	Journey Level	\$66.89	<u>7H</u>	<u>1E</u>	
Skagit	Electricians - Motor Shop	Craftsman	\$15.37		1	_
Skagit	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>	
Skagit	Electricians - Powerline Construction	Cable Splicer	\$79.43	<u>5A</u>	<u>4D</u>	
Skagit	Electricians - Powerline Construction	Certified Line Welder	\$69.75	<u>5A</u>	<u>4D</u>	
Skagit	Electricians - Powerline Construction	Groundperson	\$46.28	<u>5A</u>	<u>4D</u>	
Skagit	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$69.75	<u>5A</u>	<u>4D</u>	
Skagit	Electricians - Powerline Construction	Journey Level Lineperson	\$69.75	<u>5A</u>	<u>4D</u>	
Skagit	Electricians - Powerline Construction	Line Equipment Operator	\$59.01	<u>5A</u>	<u>4D</u>	
Skagit	Electricians - Powerline Construction	Meter Installer	\$46.28	<u>5A</u>	<u>4D</u>	<u>8W</u>
Skagit	Electricians - Powerline Construction	Pole Sprayer	\$69.75	<u>5A</u>	<u>4D</u>	
Skagit	Electricians - Powerline Construction	Powderperson	\$52.20	<u>5A</u>	<u>4D</u>	
Skagit	Electronic Technicians	Electronic Technicians Journey Level	\$43.70	<u>5B</u>	<u>1B</u>	
Skagit	Elevator Constructors	Mechanic	\$91.24	<u>7D</u>	<u>4A</u>	
Skagit	Elevator Constructors	Mechanic In Charge	\$98.51	<u>7D</u>	<u>4A</u>	
Skagit	Fabricated Precast Concrete Products	Journey Level	\$13.50		1	
Skagit	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		1	
Skagit	Fence Erectors	Fence Erector	\$41.45	<u>7A</u>	<u>31</u>	
Skagit	Fence Erectors	Fence Laborer	\$41.45	<u>7A</u>	<u>3</u> 1	
Skagit	Flaggers	Journey Level	\$41.45	<u>7A</u>	<u>31</u>	
Skagit	Glaziers	Journey Level	\$63.06	<u>7L</u>	<u>1Y</u>	
Skagit	Heat & Frost Insulators And Asbestos Workers	Journeyman	\$73.58	<u>5J</u>	<u>4H</u>	
Skagit	Heating Equipment Mechanics	Mechanic	\$69.10	<u>7F</u>	<u>1E</u>	
Skagit	Hod Carriers & Mason Tenders	Journey Level	\$50.42	<u>7A</u>	<u>31</u>	

Skagit	Industrial Power Vacuum Cleaner	Journey Level	\$11.50		1	
Skagit	Inland Boatmen	Boat Operator	\$61.41	5B	<u>1K</u>	
Skagit	Inland Boatmen	Cook	\$56.48	<u>5B</u>	<u>1K</u>	
Skagit	Inland Boatmen	Deckhand	\$57.48	<u>5B</u>	<u>1K</u>	
Skagit	Inland Boatmen	Deckhand Engineer	\$58.81	<u>5B</u>	<u>1K</u>	
Skagit	Inland Boatmen	Launch Operator	\$58.89	<u>5B</u>	<u>1K</u>	
Skagit	Inland Boatmen	Mate	\$57.31	<u>5B</u>	<u>1K</u>	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$11.50		1	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$11.50		1	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$12.78		1	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$11.50		1	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$11.50		<u>1</u>	
Skagit	Insulation Applicators	Journey Level	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	Ironworkers	Journeyman	\$69.28	<u>7N</u>	<u>10</u>	
Skagit	<u>Laborers</u>	Air, Gas Or Electric Vibrating Screed	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Airtrac Drill Operator	\$50.42	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Ballast Regular Machine	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Batch Weighman	\$41.45	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Brick Pavers	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Brush Cutter	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Brush Hog Feeder	\$48.90	<u>7A</u>	<u>3I</u>	
Skagit	Laborers	Burner	\$48.90	<u>7A</u>	<u>3I</u>	
Skagit	<u>Laborers</u>	Caisson Worker	\$50.42	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Carpenter Tender	\$48.90	<u>7A</u>	<u>3</u>	
Skagit	<u>Laborers</u>	Caulker	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Cement Dumper-paving	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Cement Finisher Tender	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Change House Or Dry Shack	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Chipping Gun (under 30 Lbs.)	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Chipping Gun(30 Lbs. And Over)	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Choker Setter	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Chuck Tender	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Clary Power Spreader	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Clean-up Laborer	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Concrete Dumper/chute Operator	\$49.81	<u>7A</u>	<u>31</u>	
lin j			5			

Laborers	Concrete Placement Crew	\$49.81	7Δ	21	
I		-		<u><u> </u></u>	
Laborers	Concrete Saw Operator/core Driller	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Crusher Feeder	\$41.45	<u>7A</u>	31	
Laborers	Curing Laborer	\$48.90	<u>7A</u>	31	
Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Ditch Digger	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Diver	\$50.42	<u>7A</u>	31	
<u>Laborers</u>	Drill Operator (hydraulic,diamond)	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Dry Stack Walls	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Dump Person	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Epoxy Technician	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Erosion Control Worker	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Faller & Bucker Chain Saw	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Fine Graders	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Firewatch	\$41.45	<u>7A</u>	<u>31</u>	
Laborers	Form Setter	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Gabian Basket Builders	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	General Laborer	\$48.90	<u>7A</u>	<u>31</u>	
<u>Laborers</u>	Grade Checker & Transit Person	\$50.42	<u>7A</u>	<u>31</u>	
Laborers	Grinders	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Grout Machine Tender	\$48.90	<u>7A</u>	<u>31</u>	
<u>Laborers</u>	Groutmen (pressure)including Post Tension Beams	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Guardrail Erector	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Hazardous Waste Worker (level A)	\$50.42	<u>7A</u>	<u>31</u>	
<u>Laborers</u>	Hazardous Waste Worker (level B)	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Hazardous Waste Worker (level C)	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	High Scaler	\$50.42	<u>7A</u>	<u>31</u>	
Laborers	Jackhammer	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Laserbeam Operator	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Maintenance Person	\$48.90	<u>7A</u>	<u>31</u>	
Laborers	Manhole Builder-mudman	\$49.81	<u>7A</u>	<u>3I</u>	
<u>Laborers</u>	Material Yard Person	\$48.90	<u>7A</u>	<u>31</u>	
<u>Laborers</u>	Motorman-dinky Locomotive	\$49.81	<u>7A</u>	<u>31</u>	
Laborers	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	\$49.81	<u>7A</u>	<u>31</u>	
	Laborers   Laborers	LaborersConcrete Saw Operator/core DrillerLaborersCrusher FeederLaborersCuring LaborerLaborersDemolition: Wrecking & Moving (incl. Charred Material)LaborersDitch DiggerLaborersDiverLaborersDiverLaborersDiverLaborersDrill Operator (hydraulic,diamond)LaborersDry Stack WallsLaborersDump PersonLaborersEpoxy TechnicianLaborersEpoxy TechnicianLaborersFaller & Bucker Chain SawLaborersFaller & Bucker Chain SawLaborersFire GradersLaborersForm SetterLaborersGeneral LaborerLaborersGeneral LaborerLaborersGrade Checker & Transit PersonLaborersGroutmen (pressure)including Post Tension BeamsLaborersGuardrail ErectorLaborersHazardous Waste Worker (level A)LaborersHazardous Waste Worker (level C)LaborersJackhammerLaborersLaborersLaborersHazardous Waste Worker (level C)LaborersHazardous Waste Worker (level C)LaborersMaintenance PersonLaborersMaintenance PersonLaborersMaintenance PersonLaborersMaintenance PersonLaborersMaintenance PersonLaborersMaintenance PersonLaborersMaintenance PersonLaborersMaintenance PersonLaborers <td>LaborersConcrete Saw Operator/core\$49.81LaborersCrusher Feeder\$41.45LaborersDemolition: Wrecking &amp; Moving\$48.90LaborersDitch Digger\$48.90LaborersDitch Digger\$48.90LaborersDiver\$50.42LaborersDiver\$50.42LaborersDiver\$48.90LaborersDiver\$48.90LaborersDiver\$48.90LaborersDiver\$48.90LaborersDump Person\$48.90LaborersEpoxy Technician\$48.90LaborersEpoxy Technician\$48.90LaborersFaller &amp; Bucker Chain Saw\$49.81LaborersFine Graders\$48.90LaborersFirewatch\$44.91LaborersGabian Basket Builders\$48.90LaborersGorade Checker &amp; Transit\$50.42LaborersGrinders\$48.90LaborersGrout Machine Tender\$48.90LaborersGrout Machine Tender\$48.90LaborersGrout Machine Tender\$48.90LaborersGuardrail Erector\$48.90LaborersHazardous Waste Worker (level\$49.81LaborersJackhammer\$48.90LaborersLaborers\$48.90LaborersGraderal Erector\$48.90LaborersGraderal Erector\$48.90LaborersHazardous Waste Worker (level\$49.81LaborersLaborers\$48.90LaborersLase</td> <td>LaborersConcrete saw Operator/core\$49.81ZALaborersCrusher Feeder\$41.457ALaborersDemolition: Wrecking &amp; Moving (incl. 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Skagit	Laborers	Pavement Breaker	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Pilot Car	\$41.45	<u>7A</u>	31	
Skagit	Laborers	Pipe Layer Lead	\$50.42	<u>7A</u>	31	
Skagit	Laborers	Pipe Layer/tailor	\$49.81	<u>7A</u>	31	
Skagit	Laborers	Pipe Pot Tender	\$49.81	<u>7A</u>	31	
Skagit	Laborers	Pipe Reliner	\$49.81	<u>7A</u>	31	
Skagit	Laborers	Pipe Wrapper	\$49.81	<u>7A</u>	<u>3</u>	
Skagit	Laborers	Pot Tender	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Powderman	\$50.42	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Powderman's Helper	\$48.90	<u>7A</u>	31	
Skagit	Laborers	Power Jacks	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Railroad Spike Puller - Power	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Raker - Asphalt	\$50.42	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Re-timberman	\$50.42	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Remote Equipment Operator	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Rigger/signal Person	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Rip Rap Person	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Rivet Buster	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Rodder	\$49.81	<u>7A</u>	<u>3I</u>	
Skagit	Laborers	Scaffold Erector	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Scale Person	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Sloper (over 20")	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Sloper Sprayer	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Spreader (concrete)	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Stake Hopper	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Stock Piler	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Tamper (multiple & Self- propelled)	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Timber Person - Sewer (lagger, Shorer & Cribber)	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Toolroom Person (at Jobsite)	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	<u>Laborers</u>	Topper	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Track Laborer	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Track Liner (power)	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Traffic Control Laborer	\$44.33	<u>7A</u>	<u>31</u>	<u>8R</u>
Skagit	Laborers	Traffic Control Supervisor	\$44.33	<u>7A</u>	<u>31</u>	<u>8R</u>
Skagit	Laborers	Truck Spotter	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Tugger Operator	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$107.60	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$112.63	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$116.31	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers		\$122.01	<u>7A</u>	<u>31</u>	<u>8Q</u>

		Tunnel Work-Compressed Air Worker 54.01-60.00 psi				
Skagit	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$124.13	<u>7</u> A	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$129.23	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$131.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$133.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$135.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	<u>Laborers</u>	Tunnel Work-Guage and Lock Tender	\$50.52	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Tunnel Work-Miner	\$50.52	<u>7A</u>	<u>31</u>	<u>8Q</u>
Skagit	Laborers	Vibrator	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Laborers	Vinyl Seamer	\$48.90	<u>7A</u>	31	
Skagit	Laborers	Watchman	\$37.67	<u>7A</u>	31	
Skagit	Laborers	Welder	\$49.81	<u>7A</u>	31	
Skagit	Laborers	Well Point Laborer	\$49.81	<u>7A</u>	31	
Skagit	Laborers	Window Washer/cleaner	\$37.67	<u>7</u> A	31	
Skagit	Laborers - Underground Sewer <u>&amp; Water</u>	General Laborer & Topman	\$48.90	<u>7A</u>	<u>31</u>	
Skagit	Laborers - Underground Sewer & Water	Pipe Layer	\$49.81	<u>7A</u>	<u>31</u>	
Skagit	Landscape Construction	Landscape Laborer	\$37.67	<u>7A</u>	<u>31</u>	
Skagit	Landscape Construction	Landscape Operator	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Lathers	Journey Level	\$58.48	<u>5D</u>	<u>1H</u>	
Skagit	Marble Setters	Journey Level	\$57.32	<u>5A</u>	<u>1M</u>	
Skagit	Metal Fabrication (In Shop)	Fitter	\$15.16		1	
Skagit	Metal Fabrication (In Shop)	Laborer	\$11.50		1	
Skagit	Metal Fabrication (In Shop)	Machine Operator	\$11.50		1	
Skagit	Metal Fabrication (In Shop)	Painter	\$11.50		1	1
Skagit	Metal Fabrication (In Shop)	Welder	\$15.16		1	
Skagit	Millwright	Journey Level	\$61.54	5D	4C	
Skagit	Modular Buildings	Journey Level	\$11.50		1	-
Skagit	Painters	Journey Level	\$42.50	6Z	2B	
Skagit	Pile Driver	Crew Tender	\$54.99	5D	4C	
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$74.87	<u>5D</u>	<u>4C</u>	ľ
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$79.87	<u>5D</u>	<u>4C</u>	
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$83.87	<u>5D</u>	<u>4C</u>	
Skagit	<u>Pile Driver</u>		\$88.87	<u>5D</u>	<u>4C</u>	

		Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI				
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$91.37	<u>5D</u>	<u>4C</u>	
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$96.37	<u>5D</u>	<u>4C</u>	
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$98.37	<u>5D</u>	<u>4C</u>	
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$100.37	<u>5D</u>	<u>4C</u>	
Skagit	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$102.37	<u>5D</u>	<u>4C</u>	
Skagit	Pile Driver	Journey Level	\$60.29	<u>5D</u>	<u>4C</u>	
Skagit	<u>Plasterers</u>	Journey Level	\$56.54	<u>7Q</u>	<u>1R</u>	
Skagit	Playground & Park Equipment Installers	Journey Level	\$11.50		<u>1</u>	
Skagit	Plumbers & Pipefitters	Journey Level	\$71.42	<u>5A</u>	<u>1G</u>	
Skagit	Power Equipment Operators	Asphalt Plant Operators	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Assistant Engineer	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Barrier Machine (zipper)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Batch Plant Operator, Concrete	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Bobcat	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Brooms	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Bump Cutter	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cableways	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Chipper	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Compressor	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Concrete Finish Machine -laser Screed	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Conveyors	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cranes Friction: 200 tons and over	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators		\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Cranes: 20 Tons Through 44 Tons With Attachments				
Skagit	Power Equipment Operators	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$61.10	<u>7</u> A	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$62.33	<u>7</u> A	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Crusher	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Derricks, On Building Work	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Dozers D-9 & Under	\$59.49	<u>7</u> A	3C	8P
Skagit	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Drilling Machine	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Gradechecker/stakeman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Guardrail Punch	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Horizontal/directional Drill Locator	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

Skagit	Power Equipment Operators	Horizontal/directional Drill Operator	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	\$56.90	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Loaders, Plant Feed	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Loaders: Elevating Type Belt	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Locomotives, All	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Material Transfer Device	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Motor Patrol Graders	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Pavement Breaker	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Posthole Digger, Mechanical	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Power Plant	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Pumps - Water	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$56.90	<u>74</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Rigger And Bellman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
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Skagit	Power Equipment Operators	Rollagon	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Roller, Other Than Plant Mix	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Roto-mill, Roto-grinder	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Saws - Concrete	\$59.49	7A	<u>3C</u>	8P
Skagit	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Scrapers - Concrete & Carry All	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Service Engineers - Equipment	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Shotcrete/gunite Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Slipform Pavers	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Spreader, Topsider & Screedman	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Subgrader Trimmer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Tower Bucket Elevators	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$61.72	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Transporters, All Track Or Truck Type	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Trenching Machines	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Truck Mount Portable Conveyor	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Welder	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Wheel Tractors, Farmall Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators	Yo Yo Pay Dozer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operators	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

Skagit	Power Equipment Operators- Underground Sewer & Water	Assistant Engineer	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Barrier Machine (zipper)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Batch Plant Operator, Concrete	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Bobcat	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Brooms	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Bump Cutter	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cableways	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Chipper	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Compressor	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine -laser Screed	\$56.90	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$59.49	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$59.96	<u>7</u> A	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Conveyors	\$59.49	<u>7</u> A	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes Friction: 200 tons and over	\$62.33	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$62.33	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit			\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>

	Power Equipment Operators- Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under				
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Crusher	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Deck Engineer/deck Winches (power)	\$59.96	<u>7</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Operator	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

Skagit	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Motor Patrol Graders	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$60.49	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Pavement Breaker	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Power Plant	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Pumps - Water	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Rigger And Bellman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

Skagit	Power Equipment Operators- Underground Sewer & Water	Rollagon	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Roller, Other Than Plant Mix	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Roto-mill, Roto-grinder	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Saws - Concrete	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Scrapers - Concrete & Carry All	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Service Engineers - Equipment	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Shotcrete/gunite Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	\$60.49	<u>7</u> 4	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Trenching Machines	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

Skagit	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Welder	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Wheel Tractors, Farmall Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$49.96	<u>5A</u>	<u>4A</u>	
Skagit	Power Line Clearance Tree Trimmers	Spray Person	\$47.37	<u>5A</u>	<u>4A</u>	
Skagit	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$49.96	<u>5A</u>	<u>4A</u>	
Skagit	Power Line Clearance Tree Trimmers	Tree Trimmer	\$44.57	<u>5A</u>	<u>4A</u>	
Skagit	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$33.60	<u>5A</u>	<u>4A</u>	
Skagit	Refrigeration & Air Conditioning Mechanics	Journey Level	\$70.71	<u>5A</u>	<u>1G</u>	
Skagit	Residential Brick Mason	Journey Level	\$57.32	<u>5A</u>	<u>1M</u>	
Skagit	Residential Carpenters	Journey Level	\$45.05	<u>5D</u>	<u>4C</u>	
Skagit	Residential Cement Masons	Journey Level	\$60.07	<u>7A</u>	<u>1M</u>	
Skagit	Residential Drywall Applicators	Journey Level	\$45.05	<u>5D</u>	<u>4C</u>	
Skagit	Residential Drywall Tapers	Journey Level	\$45.19	<u>5P</u>	<u>1E</u>	
Skagit	Residential Electricians	Journey Level	\$30.15	<u>51</u>	<u>1E</u>	
Skagit	Residential Glaziers	Journey Level	\$42.05	<u>7L</u>	<u>1H</u>	
Skagit	Residential Insulation Applicators	Journey Level	\$60.04	<u>5D</u>	<u>4C</u>	
Skagit	Residential Laborers	Journey Level	\$36.68	<u>7A</u>	<u>1H</u>	
Skagit	Residential Marble Setters	Journey Level	\$57.32	<u>5A</u>	<u>1M</u>	
Skagit	Residential Painters	Journey Level	\$42.50	<u>6Z</u>	<u>2B</u>	
Skagit	Residential Plumbers & Pipefitters	Journey Level	\$44.34	<u>5A</u>	<u>1G</u>	
Skagit	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$41.01	<u>5A</u>	<u>1G</u>	
Skagit	<u>Residential Sheet Metal</u> Workers	Journey Level (Field or Shop)	\$39.47	<u>7</u> J	<u>11</u>	14
Skagit	Residential Soft Floor Layers	Journey Level	\$49.43	<u>5A</u>	<u>3J</u>	
Skagit	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$46.58	<u>5C</u>	<u>2R</u>	
Skagit	Residential Stone Masons	Journey Level	\$57.32	<u>5A</u>	<u>1M</u>	
Skagit	Residential Terrazzo Workers	Journey Level	\$52.61	<u>5A</u>	<u>1M</u>	
Skagit	Residential Terrazzo/Tile Finishers	Journey Level	\$43.44	<u>5A</u>	<u>1B</u>	

Skagit	Residential Tile Setters	Journey Level	\$52.61	<u>5A</u>	<u>1M</u>	
Skagit	Roofers	Journey Level	\$31.84		1	
Skagit	Sheet Metal Workers	Journey Level (Field or Shop)	\$69.10	<u>7</u> F	<u>1E</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Boilermaker	\$36.36	<u>7V</u>	1	
Skagit	Shipbuilding & Ship Repair	New Construction Carpenter	\$36.36	<u>7V</u>	<u>1</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Crane Operator	\$36.36	<u>7V</u>	1	
Skagit	Shipbuilding & Ship Repair	New Construction Electrician	\$36.36	<u>7V</u>	<u>1</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	\$73.58	<u>5J</u>	<u>4H</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Laborer	\$36.36	<u>7V</u>	1	
Skagit	Shipbuilding & Ship Repair	New Construction Machinist	\$36.36	<u>7V</u>	1	
Skagit	Shipbuilding & Ship Repair	New Construction Operating Engineer	\$36.36	<u>7V</u>	1	
Skagit	Shipbuilding & Ship Repair	New Construction Painter	\$36.36	<u>7V</u>	<u>1</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Pipefitter	\$36.36	<u>7V</u>	<u>1</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Rigger	\$36.36	7V	1	
Skagit	Shipbuilding & Ship Repair	New Construction Sheet Metal	\$36.36	<u>7V</u>	<u>1</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Shipfitter	\$36.36	<u>7V</u>	<u>1</u>	
Skagit	Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	\$36.36	<u>7V</u>	1	
Skagit	Shipbuilding & Ship Repair	New Construction Welder / Burner	\$36.36	<u>7V</u>	<u>1</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Boilermaker	\$44.95	<u>7X</u>	<u>4</u> J	
Skagit	Shipbuilding & Ship Repair	Ship Repair Carpenter	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Crane Operator	\$44.06	<u>7Y</u>	<u>4K</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Electrician	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	\$73.58	<u>5J</u>	<u>4H</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Laborer	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Machinist	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	\$44.06	<u>7Y</u>	<u>4K</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Painter	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Pipefitter	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Rigger	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Shipwright	\$44.95	<u>7X</u>	<u>4J</u>	
Skagit	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	\$44.06	<u>7Y</u>	<u>4K</u>	
Skagit	<u>Sign Makers &amp; Installers</u> ( <u>Electrical)</u>	Journey Level	\$16.03		1	
Skagit	Sign Makers & Installers (Non- Electrical)	Journey Level	\$13.28		1	
Skagit	Soft Floor Layers	Journey Level	\$49.43	<u>5A</u>	<u>3J</u>	
Skagit	Solar Controls For Windows	Journey Level	\$11.50		1	
Skagit	<u>Sprinkler Fitters (Fire</u> <u>Protection)</u>	Journey Level	\$77.39	<u>5C</u>	<u>1X</u>	

Skagit	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.23		1	
Skagit	Stone Masons	Journey Level	\$57.32	5A	1M	
Skagit	Street And Parking Lot Sweeper Workers	Journey Level	\$15.00		1	
Skagit	Surveyors	Assistant Construction Site Surveyor	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Surveyors	Chainman	\$58.93	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Surveyors	Construction Site Surveyor	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Skagit	Telecommunication Technicians	Telecom Technician Journey Level	\$43.70	<u>5B</u>	<u>1B</u>	
Skagit	<u>Telephone Line Construction -</u> <u>Outside</u>	Cable Splicer	\$41.22	<u>5A</u>	<u>2B</u>	
Skagit	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$23.12	<u>5A</u>	<u>2B</u>	
Skagit	<u>Telephone Line Construction -</u> Outside	Installer (Repairer)	\$39.53	<u>5A</u>	<u>2B</u>	
Skagit	Telephone Line Construction - Outside	Special Aparatus Installer I	\$41.22	<u>5A</u>	<u>2B</u>	
Skagit	Telephone Line Construction - Outside	Special Apparatus Installer II	\$40.41	<u>5A</u>	<u>2B</u>	
Skagit	<u>Telephone Line Construction -</u> Outside	Telephone Equipment Operator (Heavy)	\$41.22	<u>5A</u>	<u>2B</u>	
Skagit	<u>Telephone Line Construction -</u> Outside	Telephone Equipment Operator (Light)	\$38.36	<u>5A</u>	<u>2B</u>	
Skagit	<u>Telephone Line Construction -</u> Outside	Telephone Lineperson	\$38.36	<u>5A</u>	<u>2B</u>	
Skagit	Telephone Line Construction - Outside	Television Groundperson	\$21.92	<u>5A</u>	<u>2B</u>	
Skagit	<u>Telephone Line Construction -</u> Outside	Television Lineperson/Installer	\$29.13	<u>5A</u>	<u>2B</u>	
Skagit	<u>Telephone Line Construction -</u> Outside	Television System Technician	\$34.68	<u>5A</u>	<u>2B</u>	
Skagit	Telephone Line Construction - Outside	Television Technician	\$31.18	<u>5A</u>	<u>2B</u>	
Skagit	Telephone Line Construction - Outside	Tree Trimmer	\$38.36	<u>5A</u>	<u>2B</u>	
Skagit	Terrazzo Workers	Journey Level	\$52.61	<u>5A</u>	<u>1M</u>	
Skagit	Tile Setters	Journey Level	\$52.61	<u>5A</u>	<u>1M</u>	
Skagit	<u>Tile, Marble &amp; Terrazzo</u> <u>Finishers</u>	Finisher	\$43.44	<u>5A</u>	<u>1B</u>	
Skagit	Traffic Control Stripers	Journey Level	\$45.53	<u>7A</u>	<u>1K</u>	
Skagit	Truck Drivers	Asphalt Mix Over 16 Yards	\$54.30	<u>5D</u>	<u>3A</u>	<u>8L</u>
Skagit	Truck Drivers	Asphalt Mix To 16 Yards	\$53.46	<u>5D</u>	<u>3A</u>	<u>8L</u>
Skagit	Truck Drivers	Dump Truck	\$53.46	<u>5D</u>	<u>3A</u>	<u>8L</u>
Skagit	Truck Drivers	Dump Truck & Trailer	\$54.30	<u>5D</u>	<u>3A</u>	<u>8L</u>
Skagit	Truck Drivers	Other Trucks	\$54.30	<u>5D</u>	<u>3A</u>	<u>8L</u>
Skagit	Truck Drivers - Ready Mix	Journey Level	\$40.76	<u>0</u>	<u>1</u>	
Skagit	Well Drillers & Irrigation Pump	Irrigation Pump Installer	\$11.60		1	

Skagit	Well Drillers & Irrigation Pump Installers	Oiler	\$11.50	1
Skagit	Well Drillers & Irrigation Pump Installers	Well Driller	\$11.60	1

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#### **Overtime Codes**

**Overtime calculations** are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

- 1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
  - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
  - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a fourten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
  - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
  - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
  - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

#### **Overtime Codes Continued**

- 1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
  - P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
  - Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
  - R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
  - S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
  - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
  - V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
  - W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
  - X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
  - Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
  - Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

#### **Overtime Codes Continued**

- 2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
  - B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
  - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
  - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
  - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
  - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
  - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
  - W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, tenhour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.

## 3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

#### **Overtime Codes Continued**

- 3. E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
  - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
  - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
  - I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

## 4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
- B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

#### **Overtime Codes Continued**

4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

#### **EXCEPTION:**

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal fourday, ten hour work week, and Saturday shall be paid at one and one half  $(1\frac{1}{2})$  times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- H. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

- 4. L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
  - M. All hours worked on Sunday and Holidays shall be paid at double the hourly rate. Any employee reporting to work less than nine (9) hours from their previous quitting time shall be paid for such time at time and one-half times the hourly rate.
  - N. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays, and all work performed between the hours of midnight (12:00 AM) and eight AM (8:00 AM) every day shall be paid at double the hourly rate of wage.
  - O. All hours worked between midnight Friday to midnight Sunday shall be paid at one and one-half the hourly rate of wage. After an employee has worked in excess of eight (8) continuous hours in any one or more calendar days, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of six (6) hours or more. All hours worked on Holidays shall be paid at double the hourly rate of wage.
  - P. All hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage.
  - Q. The first four (4) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday shall be paid at double the hourly rate. All hours worked on Sundays and holidays shall be paid at double the hourly rate.
  - R. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - R. Placeholder

#### **Holiday Codes**

- 5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
  - B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
  - C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

#### **Holiday Codes Continued**

- 5. D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
  - H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

- 5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
  - J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
  - K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
  - L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
  - N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
  - P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
  - Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
  - R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
  - S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
  - T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
  - Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
  - A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

6.

- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).

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#### **Holiday Codes Continued**

- 6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
  - Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
- 7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
  - B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
  - H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

#### **Holiday Codes Continued**

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be

observed as a holiday on the preceding Friday.

- 7. J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
  - P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
  - Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
  - R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
  - S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
  - T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
  - V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

#### **Holiday Codes Continued**

- 7. W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.
  - X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
  - Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.
  - Z. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- 15. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the day before Christmas Day and Christmas Day. (8) Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
  - B. Holidays: New Year's Day, Martin Luther King Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day. (9)
  - C. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the day before Christmas Day and Christmas Day. (8)
  - D Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, and the day after Christmas.

#### Note Codes

- 8. D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
  - L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
  - M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
  - N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.

#### **Note Codes Continued**

- 8. P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
  - Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
  - R. Effective August 31, 2012 A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.
  - S. Effective August 31, 2012 A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
  - T. Effective August 31, 2012 A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
  - U. Workers on hazmat projects receive additional hourly premiums as follows Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do "pioneer" work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.
  - V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.

W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.

# APPENDIX E

# **Construction Contract and Contract Bond-Informational Only**

## CONSTRUCTION CONTRACT AGREEMENT

THIS AGREEMENT, effective upon the date of mutual execution, is made and entered into between Skagit County, Washington, and \_\_\_\_\_\_, hereinafter called the Contractor.

#### WITNESSETH:

That in consideration of the terms and conditions contained herein and attached and made a part of this agreement, the parties hereto covenant and agree as follows:

- I. The Contractor shall do all work and furnish all tools, materials, equipment, and transportation required for the construction of <u>2019 Haul Out and Maintenance for the Vehicle and Passenger Ferry M/V Guemes, Project #FEHO19-1</u> in accordance with and as described in the attached plans and specifications and the Washington State Department of transportation *Standard Specifications for Road, Bridge, and Municipal Construction M* <u>41-10</u> <u>2016</u> edition, which are by this reference incorporated herein and made a part hereof, and shall perform any changes to the work in accord with the Contract Documents.
- II. The Contractor shall provide and bear the expense of all equipment, work, and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof and shall guarantee said materials and work for a period of one year after substantial completion of this contract, except as may be modified by the plans, specifications and/or contract documents.
- III. Skagit County, Washington, hereby promises and agrees with the Contractor to retain and does retain the Contractor to provide the materials and to do and cause to be done the abovedescribed work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of prices bid and hereto attached, at the time and in the manner and upon the conditions provided for in this contract.
- IV. The Contractor for himself/herself and for his/her heirs, executors, administrators, successors, and assigns, does hereby agree to full performance of all covenants required of the Contractor in the contract.
- V. It is further provided that no liability shall attach to Skagit County by reason of entering into this contract, except as provided herein.

IN WITNESS WHEREOF the Contractor has executed this instrument on the day and year first below written, and the Authorized Official has caused this instrument to be executed by and in the name of Skagtt County the day and year first above written.

CONTRACTOR Signature	Mailing Address:
Printed	
Title	
Date	Telephone No. ()

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2018.

#### BOARD OF COUNTY COMMISSIONERS SKAGIT COUNTY, WASHINGTON

	Kenneth A. Dahlstedt, Chair
	$\Delta$
	Lisa Janicki, Commissioner
Attest:	Ron Wesen, Commissioner
Clerk of the Board	
	For contracts under \$5,000: Authorization per Resolution R20030146
Recommended:	County Administrator
Department Head	$\mathbf{\hat{\mathbf{y}}}$
Approved as to form:	
Civil Deputy Prosecuting Attorney	
Approved as to indemnification:	
Risk Manager	
Approved as to budget:	

Budget & Finance Director

## CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that Skagit County, a Municipal Corporation of Washington, has awarded \_\_\_\_\_\_ of

\_\_\_\_\_\_, as Principal, and \_\_\_\_\_\_\_as Surety, are jointly and severally held and bound unto the County of Skagit in the penal sum of \_\_\_\_\_\_\_(\$\_\_\_\_\_), dollars, for the payment of which we jointly and severely bind ourselves, our heirs, executors, administrators, and assigns, and successors and assigns, firmly by these presents.

THE CONDITION of this bond is such that whereas, on the \_\_\_\_\_\_ day of \_\_\_\_\_\_ A.D., 2018, the said Principal, herein, executed a certain contract with the County of Skagit by the items, conditions and provisions of which contract the said \_\_\_\_\_\_ Principal, herein agree to furnish all material and do certain work, to wit: That will undertake and complete the construction of

> 2019 Haul Out and Maintenance for the Vehicle and Passenger Ferry MX Guernes, Project #FEHO19-1

according to the maps, plans and specifications made a part of said contract, which contract as so executed, is hereunto attached, is now referred to and by reference is incorporated herein and made a part hereof as fully for all purposes as if here set forth at length. The bond shall cover all approved change orders as if they were in the original contract.

NOW THEREFORE, if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of said contract in all respects and shall well and truly and fully do and perform all matters and things by (principal) undertaken to be performed under said contract, upon the terms proposed therein, and within the time prescribed therein, and until the same is accepted, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work, and shall in all respects faithfully perform said contract according to law, then this obligation to be void, otherwise to remain in full force and effect.




## **APPENDIX F**

## **Proposal – Informational Only**

# Proposal for **Bidding Purposes**

2019 HAUL OUT AND MAINTENANCE FOR **VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1** 

**Bid Opening: October 8** 

SKAGIT COUN PUBLIC WORKS



Skagit County Public Works Department 1800 Continental Place Mount Vernon, WA 98273-5625

#### **PROPOSAL**

#### 2019 HAUL OUT AND MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES PROJECT #FEHO19-1

Skagit County, Washingtor

Bid Opening: October 8, 2018, 1:00 p.m.

All bid envelopes must be clearly marked on the outside, "<u>sealed Bid, 2019 Haul Out and</u> <u>Maintenance for the Vehicle and Passenger Ferry M.V. Suemes."</u>

Sealed Bids shall be received at the following beau no before the specified time:

Bids may be hand deliver to:

er to: Likagi County Commissioners, Reception Desk, 1800 Continental Place, Suite 100, Nount Vernon, WA 98273

Mail to:

Skagit County Commissioners 1800 Continental Place, Suite 100 Mount Vernon, WA 98273-5625

The bid opening cate or this project will be Monday, October 8, 2018. The bids will be publicly opened and read an r 1.00 p.m. on this date.

FAILURE TO SIGN OR COMPLETE ALL INFORMATION ON THE FORMS PROVIDED CAN RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE.

ENTIRE BID PROPOSAL TO BE RETURNED AS YOUR BID PACKAGE

#### **PROPOSAL**

#### BOARD OF SKAGIT COUNTY COMMISSIONERS MOUNT VERNON, WASHINGTON 98273

#### Attention:

This certifies that the undersigned has examined the specifications for the:

#### 2019 HAUL OUT AND MAINTENANCE FOR THE VEHICLE AND PASSENGER FERRY M/V GUEMES, PROJECT #FEHO19-1

And that the plans, specifications, and contract governing the work embraced a this work, and the method by which payment will be made for said work, is understood. The undersigned hereby proposes to undertake and complete the work embraced in this improvement, or as much thereof as can be completed with the money available in a ccordal ce with the said plans, specifications, and contract, and the following schedule of rates and prizes:

Note: This work is exempt from Washington State Sales Tax per RCW 82.08.0285. Please indicate preferred haul-out dates in order of underence and best availability:

(Note: Unit prices for all items, all extensions, and total amount of bid shall be shown. All entries must be typed or entered in ink.)

ltem No.	Description	ΟŸ	Whit of Measure	Unit Price	Total Price
1	Dry Dock The Vessel	1.00	LS	\$	\$
2	Wash The Visser	1.00	LS	\$	\$
3	Remove & Replace Hull Anodes	1.00	LS	\$	\$
4	Remove, Inspect & Reinstall Sea Chest Valves	1.00	LS	\$	\$
5	Remove & Replace Flame Screens	1.00	LS	\$	\$

#### 2019 Haul Out & Maintenance for the Vehicle & Passenger Ferry M/V Guemes

6	Open & Clean Voids	1.00	LS	\$ \$
7	Service & Swing Compass	1.00	LS	\$ \$
8	Remove and Replace Fire Pumps	1.00	LS	\$ \$
9	Strip & Clean Fuel Tanks	1.00	LS	\$ \$
10	Drain & Replace Hydraulic Oil	1.00	LS	\$ £
11	Drain & Replace Gear Oil	1.00	LS	\$ \$
12	Drain & Replace Antifreeze	1.00	LS	\$ \$
13	Magnetic Particle Testing of Outdrive Brackets	1.00	Ls	\$ \$
14	Remove & Replace No. 1 Outdrive	1.00	<u>S</u>	\$ \$
15	Remove & Replace No. 2 Outdrive	1.00	LS	\$ \$
16	Remove & remotall Reduction Gears	1.00	LS	\$ \$
17	Remove a Replace Driveline	1.00	LS	\$ \$
18	Remove & Reinstall Propellers	1.00	LS	\$ \$
19	Non-Skid Surfacing of Car Deck	1.00	LS	\$ \$
20	Re-Coat Hull	1.00	LS	\$ \$

21	Spot Paint Voids	1.00	LS	\$	\$
22	Prep & Paint Exhaust Stacks	1.00	LS	\$	\$
23	Unanticipated Repairs	EST	DOL	\$1.00	\$ <u>75,000.00</u>
24	Miscellaneous Painting	1.00	LS	\$	\$
25	Miscellaneous Cutting & Welding	1.00	LS	\$	£
26	Miscellaneous Crane Time	1.00	LS	\$	\$
27	Miscellaneous Labor	1.00	LS	\$	\$
28	Dock & Sea Trials	1.00	Ls	s	\$
			<u> </u>	TOTAL BID	\$

#### This work is exempt from Washington State Sales Tax per RCW 82.08.0285. Please indicate preferred haul-out dates in order of preference and best availability:

The performance period for the haul-out and maintenance shall be 28 calendar days, and work can start as early as February 1, 2019. The vessel's Coast Guard Inspection must take place no later than March 20, 2019. The vessel must be back in operation on, or before, April 1, 2019. Time starts at 7:00 a.m. the day after the vessel is delivered to the Contractor's facility and this shall be considered day one (1). The vessel shall depart the Contractor's facility no later than 8:00 a.m. on the last contracted date, unless otherwise authorized by the Ferry Operations Division Manager.

Contractor must specify preferred haul-out dates on the bid proposal. If Contractor's available dates are fewer than 28 calendar days, Skagit County will accept proposals for up to 28 days, provided the Contractor can complete all work items in their proposed time frame.

By signing the bid proposal, the Contractor is agreeing to reserve space in the Contractor's dry dock for the M/V Guemes for the available dates listed by the Contractor. Skagit County shall reserve the right to choose a haul-out schedule based on preferred dates, shipyard availability and operational needs and considerations. Upon execution of a bid award resolution, Skagit County will contact the lowest, responsible, responsive bidder to confirm the haul-out schedule.

1<sup>st</sup> Choice: \_\_\_\_\_

2<sup>nd</sup> Choice: \_\_\_\_\_\_

3<sup>rd</sup> Choice: \_\_\_\_\_

**Note:** Contractor must enter at least one (1) choice for haul out dates on the bid proposal, but may also list up to three (3) choices for the haul out dates. Skagit County reserves the right to decide on the haul-out dates after the bid award.

Skagit County shall deliver the vessel to the successful bidder's shippard facility and pick up from the shippard at the end of the availability.

#### **PROPOSAL – Signature Page**

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

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

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

	CASHIER'S CHECK	In the amount of \$	_Dollars			
	CERTIFIED CHECK (Payable to Skagit County)	In the amount of \$	Dollar			
	PROPOSAL BOND	In the amount five percent (5%) of the starbid	d.			
Recei	pt is hereby acknowledged	of Addendum(s) No. (s)	, &			
		Signature of Aut lor red Officials(s):				
Proposal Must Be Signed						
		PRINT NAVIE				
	Filli Name.					
	Address:					
	~					
	Telephone No					
State of Washingto, Contract r's License No.						
UBI No						
Employment Security Department No						

Note:

(1) This proposation is not transferable and any alteration of the firm's name entered hereon without prior permission from the Skagit County will be cause for considering the proposal irregular and subsequent rejection of the bid.

#### **BID PROPOSAL MUST BE SIGNED**

#### FAILURE TO SIGN OR COMPLETE ALL INFORMATION CAN RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE.

## SUBMIT THE ENCLOSED PROPOSAL BOND FORM WITH YOUR PROPOSAL

USE OF OTHER FORMS MAY SUBJECT YOUR BID TOREJECTION

#### PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we, \_\_\_\_\_\_of

\_\_\_\_as principal, and the

а

corporation duly organized under the laws of the State of \_\_\_\_\_\_\_, and authorized to do business in the State of Washington, as surety, are held and firmly bound unto Skagit County in the full and penal sum of five percent (5%) of the total amount of the bid proposal of said principal for the work hereinafter described for the payment of which, well and truly to be made, we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by these presents.

The condition of this bond is such, that whereas the principal ben in is herewith submitting his or its sealed proposal for the following, to wit:

#### 2019 Haul Out and Maintenance for the Vehicle and Passenger Jerry M/V Guemes Project #FEHO19-1

said bid and proposal, by reference thereto, being made a part hereof.

NOW THEREFORE, If the said proposal of by said principal be accepted, and the contract be awarded to said principal, and if said one cipal shall duly make and enter into and execute said contract and shall furnish bond as required by Skagit County within a period of twenty (20) days from and after said tward, consistent of the day of such award, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF. The principal and surety have caused these presents to be signed and sealed this \_\_\_\_\_day of \_\_\_\_\_\_, 2018.



(Principal)

(Surety)

(Attorney-in-fact)

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

#### NON-COLLUSION DECLARATION

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

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

### NOTICE TO ALL BIDDERS

To report rigging activities call:



The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through (Finlay, 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" a patter 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.

#### NON-DISBARMENT CERTIFICATION

Are you on Comptroller General's list of Ineligible Contractors or list of parties procurement or non-procurement programs?  NO YES	s excluded from Federal
Company Name:	
Type of Business□ Corporation□ Partnership (general)□ Partnership□ Sole Proprietorship□ Limited Liability Compare	ip (limited) any
FID #:	
Company Address:	
The County/State/Zip:	
Phone:Fax:	
E-Mail:	
Print Name of Signatory:	
Print Title of Signatory:	
CONTRACTOR SIGNATURE:	
MUST ACCOMPANY EACH BID	



#### Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (September 13, 2018), the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Lanor and industries or through a civil judgment entered by a court of limited or general jurisdiction.

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

Bidder's Business Name			2	
Signature of Authorized	Official*			
Printed Name				
Title		ア		
Date	eity		State	
Check One:				
Sole Proprietor hip 🗍	Partnership 🗆	Joint Venture 🗆	Corporation 🗆	
State of Inc. rooration,	or if not a corpor	ation, State where	business entity was	formed:

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

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

## **APPENDIX G**

## **Insurance Information**

#### **INSURANCE REQUIREMENTS**

Contractor shall not start work under this contract until Contractor has furnished proof of insurance as required hereunder and such insurance has been approved by Skagit County; nor shall Contractor allow any subcontractor to commence work on its subcontract until the same insurance requirements have been complied with by such subcontractor. Approval of insurance by Skagit County shall not relieve or decrease the liability of Contractor for any damages arising from Contractor's performance of the work.

Contractor shall procure and maintain during the life of this contract, Commercial General Liability, and Automobile Liability Insurance, as detailed herein, to protect Skagit County and Contractor from and against all claims, damages, losses and expenses arising out of or resulting from the performance of work detailed herein, with insurance companies or through sources approved by the State Insurance Commissioner pursuant to RCW Chapter 48. Coverage provided shall protect against claims for personal injuries, including accidental death, as well as claims for property damages which may arise from any act or omission of the Contractor or any subcontractor, or by anyone directly or indirectly involved or employed by either of them.

Contractor insurance policies shall include Skagit County as "Additional Insured" on a primary basis and others if required by contract documents. Language must be included and state:

Skagit County, its elected officials, officers, employees, and volunteers are named as additional insured.

All insurance policies shall be endorsed to provide that no policy shall be cancelled, changed or reduced in coverage, until after thirty (30) days prior written notice has been delivered to Skagit County through certified mail.

A Certificate of Insurance including the Additional Named Insured Endorsement shall be filed with Skagit County after award, but prior to execution of the contract, for a primary policy of commercial general liability insurance and automobile liability insurance meeting the requirements herein.

The Certificate of Insurance (ACCORD Form 25-S) cancellation clause shall be revised to read as indicated below.

Failure of the Contractor to fully comply with the requirements set forth herein regarding insurance shall be considered a material breach of contract and shall be cause of immediate termination of the contract and of any and all obligations regarding the same.

Approval of the insurance, by Skagit County, shall not relieve or decrease the liability of the Contractor for any damages arising from Contractor's performance of the work.

It is the Contractor's obligation to enforce the requirements of this section in respect to any subcontractor employed for this project:

**Commercial General Liability and Property Liability Insurance** shall be written with limits of liability of no less than \$1,000,000 combined single limits, per occurrence and \$2,000,000 in aggregate, and shall include:

• Premises and Operations;

- Owners and Contractors Protective;
- Products Liability, including completed Operations Coverage;
- Contractual Liability;
- Broad Form Property Damage;
- Commercial Form (to include Extended Bodily Injury);
- Employees as Additional Insured;
- Explosion, Collapse and Underground Hazard;
- Independent Contractors;
- Personal Injury;
- Stop Gap;
- Cross Liability Clause.

**Automobile Bodily Injury** shall be written with limits of liability as required by the Supplementary General Conditions, but shall in no case be for limits less than \$1,000,000 Combined Single Limit. Coverage shall include:

All owned automobiles; Non-Owned automobiles; Hired Automobiles; Any automobiles.

**USL&H Insurance** is a requirement of this project; (USL&H is a federal act sometimes referred to as "Longshore Harbor Worker's Compensation Act" or Jones Act). The successful bidder will be required to obtain USL&H insurance for this project. This insurance falls under jurisdiction of the U.S. Department of Labor.