

Lewis County
Department of Public Works
Engineering Division

**CONTRACT
PROVISIONS AND PLANS
FOR CONSTRUCTION OF:
SNYDER RD MP 0.20
CULVERT
REPLACEMENT PROJECT**

**SPECIAL MAINTENANCE PROJECT NO. 90-15F721210020
FEMA PROJECT NO. PA-10-WA-4253-PW-00112
March, 2020**

Lewis County Public Works
2025 NE Kresky Ave.
Chehalis, WA 98532-2626



BOARD OF COUNTY COMMISSIONERS

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1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the 2018 Standard
3 Specifications for Road, Bridge, and Municipal Construction.
4

5 **AMENDMENTS TO THE STANDARD SPECIFICATIONS**

6
7 The following Amendments to the Standard Specifications are made a part of this contract and
8 supersede any conflicting provisions of the Standard Specifications. For informational purposes, the
9 date following each Amendment title indicates the implementation date of the Amendment or the latest
10 date of revision.

11
12 Each Amendment contains all current revisions to the applicable section of the Standard Specifications
13 and may include references which do not apply to this particular project.
14

15 **Section 1-02, Bid Procedures and Conditions**

16 **1-02.13 Irregular Proposals**

17 Item 1(h) is revised to read:

- 18
19 h. The Bidder fails to submit Underutilized Disadvantaged Business Enterprise Good Faith Effort
20 documentation, if applicable, as required in Section 1-02.6, or if the documentation that is
21 submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was
22 made;
23

24 Item 1(i) is revised to read the following three items:

- 25
26 i. The Bidder fails to submit an Underutilized Disadvantaged Business Enterprise Trucking
27 Credit Form, if applicable, as required in Section 1-02.6, or if the Form that is submitted fails to
28 meet the requirements of the Special Provisions;
29
30 j. The Bidder fails to submit an Underutilized Disadvantaged Business Enterprise Broker
31 Agreement, if applicable, as required in Section 1-02.6, or if the documentation that is
32 submitted fails to demonstrate that the fee/commission is reasonable as determined by the
33 Contracting Agency; or
34
35 k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material
36 terms of the Bid invitation.
37

38 **SECTION 1-05, CONTROL OF WORK**

39 April 2, 2018

40 **1-05.9 Equipment**

41 The following new paragraph is inserted before the first paragraph:

42
43 Prior to mobilizing equipment on site, the Contractor shall thoroughly remove all loose dirt and
44 vegetative debris from drive mechanisms, wheels, tires, tracks, buckets and undercarriage. The
45 Engineer will reject equipment from the site until it returns clean.
46

1 This section is supplemented with the following:

2
3 Upon completion of the Work, the Contractor shall completely remove all loose dirt and vegetative
4 debris from equipment before removing it from the job site.
5

6 **SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

7 April 2, 2018

8 **1-07.5 Environmental Regulations**

9 This section is supplemented with the following new subsections:

10 **1-07.5(5) U.S. Army Corps of Engineers**

11 When temporary fills are permitted, the Contractor shall remove fills in their entirety and the
12 affected areas returned to pre-construction elevations.
13

14
15 If a U.S. Army Corps of Engineers permit is noted in Section 1-07.6 of the Special Provisions, the
16 Contractor shall retain a copy of the permit or the verification letter (in the case of a Nationwide
17 Permit) on the worksite for the life of the Contract. The Contractor shall provide copies of the
18 permit or verification letter to all subcontractors involved with the authorized work prior to their
19 commencement of any work in waters of the U.S.
20

21 **1-07.5(6) U.S. Fish/Wildlife Services and National Marine Fisheries Service**

22 The Contracting Agency will provide fish exclusion and handling services if the Work dictates.
23 However, if the Contractor discovers any fish stranded by the project and a Contracting Agency
24 biologist is not available, they shall immediately release the fish into a flowing stream or open
25 water.
26

27 **1-07.5(1) General**

28 The first sentence is deleted and replaced with the following:

29
30 No Work shall occur within areas under the jurisdiction of resource agencies unless authorized in
31 the Contract.
32

33 The third paragraph is deleted.
34

35 **1-07.5(2) State Department of Fish and Wildlife**

36 This section is revised to read:

37 In doing the Work, the Contractor shall:

- 38 1. Not degrade water in a way that would harm fish, wildlife, or their habitat.
- 39 2. Not place materials below or remove them from the ordinary high water line except as
40 may be specified in the Contract.
- 41 3. Not allow equipment to enter waters of the State except as specified in the Contract.
- 42 4. Revegetate in accordance with the Plans, unless the Special Provisions permit otherwise.
- 43 5. Prevent any fish-threatening silt buildup on the bed or bottom of any body of water.
- 44
- 45
- 46
- 47
- 48
- 49

6. Ensure continuous stream flow downstream of the Work area.
7. Dispose of any project debris by removal, burning, or placement above high-water flows.
8. Immediately notify the Engineer and stop all work causing impacts, if at any time, as a result of project activities, fish are observed in distress or a fish kill occurs.

If the Work in (1) through (3) above differs little from what the Contract requires, the Contracting Agency will measure and pay for it at unit Contract prices. But if Contract items do not cover those areas, the Contracting Agency will pay pursuant to Section 1-09.4. Work in (4) through (8) above shall be incidental to Contract pay items.

1-07.7(1) General

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

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).

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

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

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:

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

1-07.11(2) Contractual Requirements

In this section, "creed" is revised to read "religion".

Item numbers 1 through 9 are revised to read 2 through 10, respectively.

After the preceding Amendment is applied, the following new item number 1 is inserted:

1. The Contractor shall maintain a Work site that is free of harassment, humiliation, fear, hostility and intimidation at all times. Behaviors that violate this requirement include but are not limited to:
 - a. Persistent conduct that is offensive and unwelcome.
 - b. Conduct that is considered to be hazing.
 - c. Jokes about race, gender, or sexuality that are offensive.

- d. Unwelcome, unwanted, rude or offensive conduct or advances of a sexual nature which interferes with a person's ability to perform their job or creates an intimidating, hostile, or offensive work environment.
- e. Language or conduct that is offensive, threatening, intimidating or hostile based on race, gender, or sexual orientation.
- f. Repeating rumors about individuals in the Work Site that are considered to be harassing or harmful to the individual's reputation.

1-07.11(5) Sanctions

This section is supplemented with the following:

Immediately upon the Engineer's request, the Contractor shall remove from the Work site any employee engaging in behaviors that promote harassment, humiliation, fear or intimidation including but not limited to those described in these specifications.

1-07.11(6) Incorporation of Provisions

The first sentence is revised to read:

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 including procurement of materials and leases of equipment.

1-07.15(1) Spill Prevention, Control, and Countermeasures Plan

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

An SPCC Plan template and guidance information is available at <http://www.wsdot.wa.gov/environment/technical/disciplines/hazardous-materials/spill-prevent-report>.

1-07.16(2)A Wetland and Sensitive Area Protection

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

Existing wetland and other sensitive areas, where shown in the Plans or designated by the Engineer, shall be saved and protected through the life of the Contract.

1-07.18 Public Liability and Property Damage Insurance

Item number 1 is supplemented with the following new sentence:

This policy shall be kept in force from the execution date of the Contract until the Physical Completion Date.

1 **INTRODUCTION**

2
3 The following Special Provisions are made a part of this contract and supersede any conflicting
4 provisions of the 2018 Standard Specifications for Road, Bridge, and Municipal Construction, and the
5 foregoing Amendments to the Standard Specifications.

6
7 The said Standard Specifications and Amendments thereto, the WSDOT Standard Plans, and WSDOT
8 Construction Manual, together with the Special Provisions and the attached plans hereinafter contained,
9 covering all work specified under this contract are incorporated and hereby made a part of this contract.
10 The Special Provisions hereinafter contained shall supersede any conflicting provisions of the Standard
11 Specifications and Amendments thereto, the WSDOT Standard Plans, and WSDOT Construction
12 Manual.

13
14 Several types of Special Provisions are included in this contract; General, Region, Bridges and
15 Structures, and Project Specific. Special Provisions types are differentiated as follows:

16		
17	(date)	General Special Provision
18	(*****)	Notes a revision to a General Special Provision and also notes a Project Specific Special Provision.
19		
20	(APWA GSP)	American Public Works Association General Special Provision
21		

22 **General Special Provisions** are similar to Standard Specifications in that they typically apply to many
23 projects, usually in more than one Region. Usually, the only difference from one project to another is
24 the inclusion of variable project data, inserted as a “fill-in”.

25
26 **Project Specific Special Provisions** normally appear only in the contract for which they were
27 developed.

28
29 The following paragraph pertaining to the Standard Specifications shall obtain and be made a part of
30 this contract:

31
32 Wherever the word “State” or “Contracting Agency” is used it shall mean Lewis County; that
33 wherever the words “Secretary (Secretary of Transportation)” are used they shall mean Lewis
34 County Engineer; that wherever the words “State Treasurer” are used they shall mean Lewis
35 County Treasurer; that wherever the words “State Auditor” are used they shall mean Lewis
36 County Auditor; that wherever the words “Motor Vehicle Fund” are used they shall mean Lewis
37 County Road Fund.

38 **SPECIAL PROVISIONS**

39 **DIVISION 1**
40 **GENERAL REQUIREMENTS**

41
42 **1-01, DESCRIPTION OF WORK**

43 (March 13, 1995)

44
45 This contract provides for the improvement of ***Snyder Rd MP 0.20 in Lewis County by clearing and
46 grubbing, constructing a temporary traffic detour road, removing the existing damaged CMP culvert,
47 installing a new 20-ft span precast concrete culvert, select borrow backfill, crushed surfacing base and
48 top course, hot mix asphalt, shoulder finishing, traffic control, placing guardrail*** and other related

1 work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard
2 Specifications.

3 4 **1-01.3 Definitions**

5 *(January 4, 2016 APWA GSP)*

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

9 10 **Dates**

11 ***Bid Opening Date***

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

13 ***Award Date***

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

16 ***Contract Execution Date***

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

18 ***Notice to Proceed Date***

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

20 ***Substantial Completion Date***

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

26 ***Physical Completion Date***

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

30 ***Completion Date***

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

35 ***Final Acceptance Date***

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

37
38 Supplement this Section with the following:

39
40 All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions,
41 to the terms "Department of Transportation", "Washington State Transportation Commission",
42 "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer"
43 shall be revised to read "Contracting Agency".

44
45 All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless
46 the reference is to an administrative agency of the State of Washington, a State statute or
47 regulation, or the context reasonably indicates otherwise.

48
49 All references to "State Materials Laboratory" shall be revised to read "Contracting Agency
50 designated location".

1
2 All references to “final contract voucher certification” shall be interpreted to mean the Contracting
3 Agency form(s) by which final payment is authorized, and final completion and acceptance granted.
4

5 **Additive**

6 A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which
7 may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.
8

9 **Alternate**

10 One of two or more units of work or groups of bid items, identified separately in the Bid Proposal,
11 from which the Contracting Agency may make a choice between different methods or material of
12 construction for performing the same work.
13

14 **Business Day**

15 A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.
16

17 **Contract Bond**

18 The definition in the Standard Specifications for “Contract Bond” applies to whatever bond form(s)
19 are required by the Contract Documents, which may be a combination of a Payment Bond and a
20 Performance Bond.
21

22 **Contract Documents**

23 See definition for “Contract”.
24

25 **Contract Time**

26 The period of time established by the terms and conditions of the Contract within which the Work
27 must be physically completed.
28

29 **Notice of Award**

30 The written notice from the Contracting Agency to the successful Bidder signifying the Contracting
31 Agency’s acceptance of the Bid Proposal.
32

33 **Notice to Proceed**

34 The written notice from the Contracting Agency or Engineer to the Contractor authorizing and
35 directing the Contractor to proceed with the Work and establishing the date on which the Contract
36 time begins.
37

38 **Traffic**

39 Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and
40 equestrian traffic.
41

42 **1-02, BID PROCEDURES AND CONDITIONS**

43 **1-02.1 Prequalification of Bidders**

44
45 Delete this Section and replace it with the following:
46

47 **1-02.1 Qualifications of Bidder**

48 *(January 24, 2011 APWA GSP)*
49
50

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

4 **1-02.2 Plans and Specifications**

5 (*****)

6
7
8 The first paragraph of section 1-02.2 is revised to read:

9
10 Copies of the plans and specifications are on file in the office of:

11
12 Lewis County Public Works Department
13 2025 N.E. Kresky Avenue
14 Chehalis, Washington 98532
15 (360) 740-2612

16
17 The second paragraph of section 1-02.2 is revised to read:

18
19 Prospective bidders may obtain plans and specifications from Lewis County Public
20 Works Department in Chehalis, Washington or download from Lewis County Website at
21 www.lewiscountywa.gov.

22 **1-02.6 Preparation of Proposal**

23 *(July 11, 2018 APWA GSP)*

24
25 Supplement the second paragraph with the following:

- 26
27 4. If a minimum bid amount has been established for any item, the unit or lump sum price must
28 equal or exceed the minimum amount stated.
- 29 5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the
30 signer of the bid.

31
32 Delete the last two paragraphs, and replace them with the following:

33
34 If no Subcontractor is listed, the Bidder acknowledges that it does not intend to use any
35 Subcontractor to perform those items of work.

36
37 The Bidder shall submit with their Bid a completed Contractor Certification Wage Law Compliance
38 form, provided by the Contracting Agency. Failure to return this certification as part of the Bid
39 Proposal package will make this Bid Nonresponsive and ineligible for Award. A Contractor
40 Certification of Wage Law Compliance form is included in the Proposal Forms.

41
42 The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

43
44 A bid by a corporation shall be executed in the corporate name, by the president or a vice president
45 (or other corporate officer accompanied by evidence of authority to sign).

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

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

4
5 **1-02.12 Public Opening Of Proposal**

6 (*****)

7
8 Section 1-02.12 is supplemented with the following:

9
10 **Date and Time of Bid Opening**

11 The Board of County Commissioners of Lewis County or designee, will open sealed proposals and
12 publicly read them aloud on or after 11:00 a.m. on **April 7, 2020**, at the Lewis County Courthouse,
13 Chehalis, Washington, for the Snyder Rd MP 0.20 Culvert Replacement Project, Project No. SM
14 90-15F721210020.

15
16 **SEALED BIDS MUST BE DELIVERED BY OR BEFORE**
17 **11:00 A.M. on Tuesday, April 7, 2020**

18 (Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners.
19 **Bids submitted after 11:00 AM will not be considered for this project.**)

20
21 **Delivery and Marking of Sealed Bid Proposals**

22 Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners
23 (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532) by or before **11:00**
24 **a.m.** on the date specified for opening, and in an envelope clearly marked: **“SEALED BID FOR**
25 **THE SNYDER RD MP 0.20 CULVERT REPLACEMENT PROJECT, PROJECT NO. SM 90-**
26 **15F721210020, TO BE OPENED ON OR AFTER 11:00 A.M. ON APRIL 7, 2020.**

27
28 **1-02.13 Irregular Proposals**

29 (*June 20, 2017 APWA GSP*)

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

- 32
33 1. A Proposal will be considered irregular and will be rejected if:
- 34 a. The Bidder is not prequalified when so required;
 - 35 b. The authorized Proposal form furnished by the Contracting Agency is not used or is
36 altered;
 - 37 c. The completed Proposal form contains any unauthorized additions, deletions, alternate
38 Bids, or conditions;
 - 39 d. The Bidder adds provisions reserving the right to reject or accept the award, or enter into
40 the Contract;
 - 41 e. A price per unit cannot be determined from the Bid Proposal;
 - 42 f. The Proposal form is not properly executed;
 - 43 g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as
44 required in Section 1-02.6;
 - 45 h. The Bidder fails to submit or properly complete an Underutilized Disadvantaged
46 Business Enterprise Certification, if applicable, as required in Section 1-02.6;
 - 47 i. The Bidder fails to submit written confirmation from each UDBE firm listed on the
48 Bidder's completed UDBE Utilization Certification that they are in agreement with the
49 bidder's UDBE participation commitment, if applicable, as required in Section 1-02.6, or
50 if the written confirmation that is submitted fails to meet the requirements of the Special
51 Provisions;

- j The Bidder fails to submit UDBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was made;
- k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
- l. More than one Proposal is submitted for the same project from a Bidder under the same or different names.

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

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

Delete this section and replace it with the following:

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

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

1. Delinquent State Taxes

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

2. Federal Debarment

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

1 **3. Subcontractor Responsibility**

2
3 A. Criterion: The Bidder's standard subcontract form shall include the subcontractor
4 responsibility language required by RCW 39.06.020, and the Bidder shall have an
5 established procedure which it utilizes to validate the responsibility of each of its
6 subcontractors. The Bidder's subcontract form shall also include a requirement that
7 each of its subcontractors shall have and document a similar procedure to determine
8 whether the sub-tier subcontractors with whom it contracts are also "responsible"
9 subcontractors as defined by RCW 39.06.020.

10
11 B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy
12 of its standard subcontract form for review by the Contracting Agency, and a written
13 description of its procedure for validating the responsibility of subcontractors with which
14 it contracts.

15
16 **4. Claims Against Retainage and Bonds**

17
18 A. Criterion: The Bidder shall not have a record of excessive claims filed against the
19 retainage or payment bonds for public works projects in the three years prior to the bid
20 submittal date, that demonstrate a lack of effective management by the Bidder of making
21 timely and appropriate payments to its subcontractors, suppliers, and workers, unless
22 there are extenuating circumstances and such circumstances are deemed acceptable to
23 the Contracting Agency.

24
25 B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of
26 the public works projects completed in the three years prior to the bid submittal date that
27 have had claims against retainage and bonds and include for each project the following
28 information:

- 29
30 • Name of project
31 • The owner and contact information for the owner;
32 • A list of claims filed against the retainage and/or payment bond for any of the
33 projects listed;
34 • A written explanation of the circumstances surrounding each claim and the ultimate
35 resolution of the claim.

36
37 **5. Public Bidding Crime**

38
39 A. Criterion: The Bidder and/or its owners shall not have been convicted of a crime
40 involving bidding on a public works contract in the five years prior to the bid submittal
41 date.

42
43 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
44 statement (on a form to be provided by the Contracting Agency) that the Bidder and/or
45 its owners have not been convicted of a crime involving bidding on a public works
46 contract.

47
48 **6. Termination for Cause / Termination for Default**

49
50 A. Criterion: The Bidder shall not have had any public works contract terminated for cause
51 or terminated for default by a government agency in the five years prior to the bid

1 submittal date, unless there are extenuating circumstances and such circumstances are
2 deemed acceptable to the Contracting Agency.

- 3
4 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
5 statement (on a form to be provided by the Contracting Agency) that the Bidder has not
6 had any public works contract terminated for cause or terminated for default by a
7 government agency in the five years prior to the bid submittal date; or if Bidder was
8 terminated, describe the circumstances. .

9
10 7. **Lawsuits**

- 11
12 A. Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder
13 in the five years prior to the bid submittal date that demonstrate a pattern of failing to
14 meet the terms of contracts, unless there are extenuating circumstances and such
15 circumstances are deemed acceptable to the Contracting Agency
16
17 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
18 statement (on a form to be provided by the Contracting Agency) that the Bidder has not
19 had any lawsuits with judgments entered against the Bidder in the five years prior to the
20 bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, or
21 shall submit a list of all lawsuits with judgments entered against the Bidder in the five
22 years prior to the bid submittal date, along with a written explanation of the
23 circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate
24 these explanations to determine whether the lawsuits demonstrate a pattern of failing to
25 meet of terms of construction related contracts
26

27 As evidence that the Bidder meets the Supplemental Criteria stated above, the apparent low
28 Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day
29 following the bid submittal deadline, a written statement verifying that the Bidder meets the
30 supplemental criteria together with supporting documentation (sufficient in the sole judgment of
31 the Contracting Agency) demonstrating compliance with the Supplemental Criteria. The
32 Contracting Agency reserves the right to request further documentation as needed from the low
33 Bidder and documentation from other Bidders as well to assess Bidder responsibility and
34 compliance with all bidder responsibility criteria. The Contracting Agency also reserves the right
35 to obtain information from third-parties and independent sources of information concerning a
36 Bidder's compliance with the mandatory and supplemental criteria, and to use that information in
37 their evaluation. The Contracting Agency may consider mitigating factors in determining whether
38 the Bidder complies with the requirements of the supplemental criteria.
39

40 The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria
41 shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or
42 third parties) including but not limited to: (i) financial, historical, or operational data from the
43 Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the
44 Bidder has worked, or other public agencies or private enterprises; and (iii) any additional
45 information obtained by the Contracting Agency which is believed to be relevant to the matter.
46

47 If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria
48 above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in
49 writing, with the reasons for its determination. If the Bidder disagrees with this determination, it
50 may appeal the determination within two (2) business days of the Contracting Agency's
51 determination by presenting its appeal and any additional information to the Contracting Agency.
52 The Contracting Agency will consider the appeal and any additional information before issuing its

1 final determination. If the final determination affirms that the Bidder is not responsible, the
2 Contracting Agency will not execute a contract with any other Bidder until at least two business
3 days after the Bidder determined to be not responsible has received the Contracting Agency's
4 final determination.

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

14 **1-02.15 Pre Award Information** 15 (August 14, 2013 APWA GSP)

16 Revise this section to read:

17
18
19 Before awarding any contract, the Contracting Agency may require one or more of these items or
20 actions of the apparent lowest responsible bidder:

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

33 **1-03, AWARD AND EXECUTION OF CONTRACT**

34 **1-03.2 Award of Contract**

35 Section 1-03.2 is supplemented with the following:

36
37
38 **(*****)**

39 **The Contracting Agency reserves the right to delay the award until all right of way certifications**
40 **and construction permits have been completed.**

41 42 43 **1-03.3 Execution of Contract**

44 (October 1, 2005 APWA GSP)

45
46 Revise this section to read:

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

1
2 Within 15 calendar days after the award date, the successful bidder shall return the signed
3 Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18,
4 and a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by
5 the Contracting Agency, the successful bidder shall provide any pre-award information the
6 Contracting Agency may require under Section 1-02.15.

7
8 Until the Contracting Agency executes a contract, no proposal shall bind the Contracting Agency
9 nor shall any work begin within the project limits or within Contracting Agency-furnished sites. The
10 Contractor shall bear all risks for any work begun outside such areas and for any materials ordered
11 before the contract is executed by the Contracting Agency.

12
13 If the bidder experiences circumstances beyond their control that prevents return of the contract
14 documents within the calendar days after the award date stated above, the Contracting Agency
15 may grant up to a maximum of 5 additional calendar days for return of the documents, provided
16 the Contracting Agency deems the circumstances warrant it.

17
18 **1-03.4 Contract Bond**
19 *(July 23, 2015 APWA GSP)*

20
21 Delete the first paragraph and replace it with the following:

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

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

1
2 **1-05, CONTROL OF WORK**

3 (March 13, 1995)

4
5 **1-05.7 Removal Of Defective And unauthorized Work**

6 (October 1, 2005 APWA GSP)

7
8 Supplement this section with the following:

9
10 If the Contractor fails to remedy defective or unauthorized work within the time specified in a
11 written notice from the Engineer, or fails to perform any part of the work required by the Contract
12 Documents, the Engineer may correct and remedy such work as may be identified in the written
13 notice, with Contracting Agency forces or by such other means as the Contracting Agency may
14 deem necessary.

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

22
23 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying
24 defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid
25 by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due,
26 the Contractor. Such direct and indirect costs shall include in particular, but without limitation,
27 compensation for additional professional services required, and costs for repair and replacement of
28 work of others destroyed or damaged by correction, removal, or replacement of the Contractor's
29 unauthorized work.

30
31 No adjustment in contract time or compensation will be allowed because of the delay in the
32 performance of the work attributable to the exercise of the Contracting Agency's rights provided by
33 this Section.

34
35 The rights exercised under the provisions of this section shall not diminish the Contracting
36 Agency's right to pursue any other avenue for additional remedy or damages with respect to the
37 Contractor's failure to perform the work as required.

38
39 **1-05.13 Superintendents, Labor and Equipment of Contractor**

40 (August 14, 2013 APWA GSP)

41
42 Delete the sixth and seventh paragraphs of this section.

43
44 **1-05.14 Cooperation With Other Contractors**

45 Section 1-05.14 is supplemented with the following:

46 (March 13, 1995)

47
48 **Other Contracts Or Other Work**

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

1 \$\$ Utilities and/or Utility Contractors. The contractor's attention is directed to Section 1-07.17
2 these Special Provisions. Lewis County PUD will be moving poles/de-energizing power lines
3 in coordination with the Contractor. \$\$

4 5 **1-05.15 Method of Serving Notices**

6 (March 25, 2009 APWA GSP)

7 Revise the second paragraph to read:

8
9 All correspondence from the Contractor shall be directed to the Project Engineer. All
10 correspondence from the Contractor constituting any notification, notice of protest, notice of dispute,
11 or other correspondence constituting notification required to be furnished under the Contract, must
12 be in paper format, hand delivered or sent via mail delivery service to the Project Engineer's office.
13 Electronic copies such as e-mails or electronically delivered copies of correspondence will not
14 constitute such notice and will not comply with the requirements of the Contract.

15 16 **1-06, CONTROL OF MATERIAL**

17 18 **Buy America**

19 Section 1-06 is supplemented with the following:

20
21 (August 6, 2012)

22 In accordance with Buy America requirements contained in 23 CFR 635.410, the major quantities
23 of steel and iron construction material that is permanently incorporated into the project shall consist
24 of American-made materials only. Buy America does not apply to temporary steel items, e.g.,
25 temporary sheet piling, temporary bridges, steel scaffolding and falsework.

26
27 Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the
28 foreign material used does not exceed one-tenth of one percent of the total contract cost or
29 \$2,500.00, whichever is greater.

30
31 American-made material is defined as material having all manufacturing processes occurring
32 domestically. To further define the coverage, a domestic product is a manufactured steel material
33 that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories
34 and possessions of the United States.

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

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

1 Due to a nationwide waiver, Buy America does not apply to raw materials (iron ore and alloys),
2 scrap (recycled steel or iron), and pig iron or processed, pelletized, and reduced iron ore.

3
4 The following are considered to be steel manufacturing processes:

- 5
6 1. Production of steel by any of the following processes:
- 7 a. Open hearth furnace.
 - 8 b. Basic oxygen.
 - 9 c. Electric furnace.
 - 10 d. Direct reduction.
- 11
12 2. Rolling, heat treating, and any other similar processing.
- 13
14 3. Fabrication of the products.
- 15 a. Spinning wire into cable or strand.
 - 16 b. Corrugating and rolling into culverts.
 - 17 c. Shop fabrication.

18
19 A certification of materials origin will be required for any items comprised of, or containing, steel or
20 iron construction materials prior to such items being incorporated into the permanent work. The
21 certification shall be on DOT Form 350-109EF provided by the Engineer, or such other form the
22 Contractor chooses, provided it contains the same information as DOT Form 350-109EF.
23
24
25

31 **1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

32 **1-07.1 Laws to be Observed** 33 *(October 1, 2005 APWA GSP)*

34 Supplement this section with the following:

35
36 In cases of conflict between different safety regulations, the more stringent regulation shall apply.

37
38 The Washington State Department of Labor and Industries shall be the sole and paramount
39 administrative agency responsible for the administration of the provisions of the Washington
40 Industrial Safety and Health Act of 1973 (WISHA).

41
42 The Contractor shall maintain at the project site office, or other well known place at the project site,
43 all articles necessary for providing first aid to the injured. The Contractor shall establish, publish,
44 and make known to all employees, procedures for ensuring immediate removal to a hospital, or
45 doctor's care, persons, including employees, who may have been injured on the project site.
46 Employees should not be permitted to work on the project site before the Contractor has
47 established and made known procedures for removal of injured persons to a hospital or a doctor's
48 care.
49
50
51

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

9 10 **1-07.2 State Taxes**

11
12 Delete this section, including its sub-sections, in its entirety and replace it with the following:

13 14 **1-07.2 State Sales Tax** 15 *(June 27, 2011 APWA GSP)*

16
17 The Washington State Department of Revenue has issued special rules on the State sales tax.
18 Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should
19 contact the Washington State Department of Revenue for answers to questions in this area. The
20 Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax
21 liability.

22
23 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract
24 amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2)
25 describes this exception.

26
27 The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-
28 funded Project) only if the Contractor has obtained from the Washington State Department of
29 Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051).
30 The Contracting Agency may deduct from its payments to the Contractor any amount the
31 Contractor may owe the Washington State Department of Revenue, whether the amount owed
32 relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

33 34 **1-07.2(1) State Sales Tax — Rule 171**

35
36 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc.,
37 which are owned by a municipal corporation, or political subdivision of the state, or by the United
38 States, and which are used primarily for foot or vehicular traffic. This includes storm or combined
39 sewer systems within and included as a part of the street or road drainage system and power lines
40 when such are part of the roadway lighting system. For work performed in such cases, the
41 Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or
42 other contract amounts, including those that the Contractor pays on the purchase of the materials,
43 equipment, or supplies used or consumed in doing the work.

44 45 **1-07.2(2) State Sales Tax — Rule 170**

46
47 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing
48 buildings, or other structures, upon real property. This includes, but is not limited to, the
49 construction of streets, roads, highways, etc., owned by the state of Washington; water mains and
50 their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and
51 disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph,
52 electrical power distribution lines, or other conduits or lines in or above streets or roads, unless
53 such power lines become a part of a street or road lighting system; and installing or attaching of any

1 article of tangible personal property in or to real property, whether or not such personal property
2 becomes a part of the realty by virtue of installation.

3
4 For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail
5 sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to
6 each payment to the Contractor. For this reason, the Contractor shall not include the retail sales
7 tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following
8 exception.

9
10 Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a
11 subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable
12 supplies not integrated into the project. Such sales taxes shall be included in the unit bid item
13 prices or in any other contract amount.

14 15 **1-07.2(3) Services**

16
17 The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly
18 for professional or other services (as defined in Washington State Department of Revenue Rules
19 138 and 244).

20 21 **1-07.5 Environmental Regulations**

22 Section 1-07.5 is supplemented with the following:

23
24 **(September 20, 2010)**

25 **Environmental Commitments**

26 The following Provisions summarize the requirements, in addition to those required elsewhere in
27 the Contract, imposed upon the Contracting Agency by the various documents referenced in the
28 Special Provisions **Permits and Licenses**. Throughout the work, the Contractor shall comply with
29 the following requirements:

30
31 (April 1, 2019)

32 The Contractor shall notify the Engineer a minimum of ***10*** calendar days prior to commencing
33 any work in sensitive areas, mitigation areas, and wetland buffers. Installation of construction
34 fencing is excluded from this notice requirement.

35
36 **(August 3, 2009)**

37 **Payment**

38 All costs to comply with this special provision for the environmental commitments and
39 requirements are incidental to the contract and are the responsibility of the Contractor. The
40 Contractor shall include all related costs in the associated bid prices of the contract.

41 42 **1-07.5(2) State Department of Fish and Wildlife**

43 Section 1-07.5(2) is supplemented with the following:

44
45 (April 2, 2018)

46 The following Provisions summarize the requirements, in addition to those required elsewhere in
47 the Contract, imposed upon the Contracting Agency by the Washington State Department of
48 Fish and Wildlife. Throughout the work, the Contractor shall comply with the following
49 requirements:

50
51 (April 2, 2018)

52 The Contractor may begin Work below the Ordinary High Water Line on *** June 15 *** and
53 must complete all the Work by *** September 30 ***.

1
2 (April 2, 2018)

3 All costs to comply with this special provision are incidental to the Contract and are the
4 responsibility of the Contractor. The Contractor shall include all related costs in the associated bid
5 prices of the Contract.

6
7 **1-07.5(5) U.S. Army Corps of Engineers**

8 Section 1-07.5(5) is supplemented with the following:

9
10 (April 2, 2018)

11 The following Provisions summarize the requirements, in addition to those required elsewhere in
12 the Contract, imposed upon the Contracting Agency by the U.S. Army Corps of Engineers.
13 Throughout the work, the Contractor shall comply with the following requirements:

14
15 (February 25, 2013)

16 The Contractor shall retain a copy of the most recent U.S. Army Corps of Engineers Nationwide
17 Permit Verification Letter, conditions, and permit drawings on the worksite for the life of the
18 Contract (See Special Provision titled Permits and Licenses). The Contractor shall provide
19 copies of the items above listed to all Sub-Contractors involved with the authorized work prior to
20 their commencement of any work.

21
22 (February 25, 2013)

23 Temporary structures and dewatering of areas under the jurisdiction of the U.S. Army Corps of
24 Engineers must maintain normal downstream flows and prevent upstream and downstream
25 flooding to the maximum extent practicable.

26
27 (February 25, 2013)

28 Any temporary fills placed must be removed in their entirety and the affected areas returned to
29 their pre-construction elevation.

30
31 (April 2, 2018)

32 All costs to comply with this special provision are incidental to the Contract and are the
33 responsibility of the Contractor. The Contractor shall include all related costs in the associated bid
34 prices of the Contract.

35
36 **1-07.6 Permits and Licenses**

37 Section 1-07.6 is supplemented with the following:

38
39 (January 2, 2018)

40 The Contracting Agency has or will obtained the below-listed permits(s) for this project. A copy of
41 the permit(s) is attached as an appendix for informational purposes. Copies of these permits,
42 including a copy of the Transfer of Coverage form, when applicable, are required to be onsite at all
43 times.

44
45 Contact with the permitting agencies, concerning the below-listed permit(s), shall be made through
46 the Engineer with the exception of when the Construction Stormwater General Permit coverage is
47 transferred to the Contractor, direct communication with the Department of Ecology is allowed.
48 The Contractor shall be responsible for obtaining Ecology's approval for any Work requiring
49 additional approvals (e.g. Request for Chemical Treatment Form). The Contractor shall obtain
50 additional permits as necessary. All costs to obtain and comply with additional permits shall be
51 included in the applicable Bid items for the Work involved.
52

NAME OF DOCUMENT	PERMITTING AGENCY	PERMIT REFERENCE NO.
Department of the Army Section 404 Nationwide 14	Corps of Engineers Seattle District	NWS-2019-660
Section 106 Concurrence	Corps of Engineers Seattle District	Authorized under NWS-2019-660
Section 401 Water Quality Certification	Department of Ecology	Certified under NWS-2018-741
Hydraulic Permit Approval	Washington Department of Fish and Wildlife	2019-5-101+01
State Environmental Policy Act	Lewis County Community Development (LCCD)	SEP19-0022
Fill and Grade Permit	LCCD	TBD

1-07.7 Load Limits

Section 1-07.7 is supplemented with the following:

(*****)

If the source of materials provided by the Contractor necessitates hauling over roads other than Lewis County roads, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.

Any vehicle providing material paid for by the ton, on the project, will provide licensed tonnage for that vehicle.

1-07.9 Wages

General

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

(*****)

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

(April 2, 2007)

Application of Wage Rates for the Occupation of Landscape Construction

State prevailing wage rates for public works contracts are included in this contract and show a separate listing for the occupation:

Landscape Construction, which includes several different occupation descriptions such as: Irrigation and Landscape Plumbers, Irrigation and Landscape Power Equipment Operators, and Landscaping or Planting Laborers.

In addition, federal wage rates that are included in this contract may also include occupation descriptions in Federal Occupational groups for work also specifically identified with landscaping such as:

Laborers with the occupation description, Landscaping or Planting, or

Power Equipment Operators with the occupation description, Mulch Seeding Operator.

1 If Federal wage rates include one or more rates specified as applicable to landscaping work,
2 then Federal wage rates for all occupation descriptions, specific or general, must be
3 considered and compared with corresponding State wage rates. The higher wage rate, either
4 State or Federal, becomes the minimum wage rate for the work performed in that occupation.
5

6 Contractors are responsible for determining the appropriate crafts necessary to perform the
7 contract work. If a classification considered necessary for performance of the work is missing
8 from the Federal Wage Determination applicable to the contract, the Contractor shall initiate a
9 request for approval of a proposed wage and benefit rate. The Contractor shall prepare and
10 submit Standard Form 1444, Request for Authorization of Additional Classification and Wage
11 Rate available at <http://www.wdol.gov/docs/sf1444.pdf> , and submit the completed form to the
12 Project Engineer's office. The presence of a classification wage on the Washington State
13 Prevailing Wage Rates For Public Works Contracts does not exempt the use of form 1444 for
14 the purpose of determining a federal classification wage rate.
15

16 **1-07.11 Requirements For Nondiscrimination**

17 Section 1-07.11 is supplemented with the following:
18

19 (April 2, 2018)

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

- 23 1. The Contractor's attention is called to the Equal Opportunity Clause and the Standard Federal
24 Equal Employment Opportunity Construction Contract Specifications set forth herein.
25
- 26 2. The goals and timetables for minority and female participation set by the Office of Federal
27 Contract Compliance Programs, expressed in percentage terms for the Contractor's
28 aggregate work force in each construction craft and in each trade on all construction work in
29 the covered area, are as follows:
30

31 Women - Statewide

32 Timetable

32 Goal

33 Until further notice

33 6.9%

34 Minorities - by Standard Metropolitan Statistical Area (SMSA)

35 Spokane, WA:

36 SMSA Counties:

37 Spokane, WA

37 2.8

38 WA Spokane.

39 Non-SMSA Counties

39 3.0

40 WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA Lincoln, WA
41 Pend Oreille; WA Stevens; WA Whitman.
42

43 Richland, WA

44 SMSA Counties:

45 Richland Kennewick, WA

45 5.4

46 WA Benton; WA Franklin.

47 Non-SMSA Counties

47 3.6

48 WA Walla Walla.
49
50
51
52

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

25

26 These goals are applicable to each nonexempt Contractor's total on-site construction

27 workforce, regardless of whether or not part of that workforce is performing work on a Federal,

28 or federally assisted project, contract, or subcontract until further notice. Compliance with

29 these goals and time tables is enforced by the Office of Federal Contract compliance

30 Programs.

31

32 The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-

33 4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative

34 action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to

35 meet the goals. The hours of minority and female employment and training must be

36 substantially uniform throughout the length of the contract, in each construction craft and in

37 each trade, and the Contractor shall make a good faith effort to employ minorities and women

38 evenly on each of its projects. The transfer of minority or female employees or trainees from

39 Contractor to Contractor or from project to project for the sole purpose of meeting the

40 Contractor's goal shall be a violation of the contract, the Executive Order and the regulations

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

42 performed.

- 43
- 44 3. The Contractor shall provide written notification to the Office of Federal Contract Compliance
- 45 Programs (OFCCP) within 10 working days of award of any construction subcontract in
- 46 excess of \$10,000 or more that are Federally funded, at any tier for construction work under
- 47 the contract resulting from this solicitation. The notification shall list the name, address and
- 48 telephone number of the Subcontractor; employer identification number of the Subcontractor;
- 49 estimated dollar amount of the subcontract; estimated starting and completion dates of the
- 50 subcontract; and the geographical area in which the contract is to be performed. The
- 51 notification shall be sent to:

1 U.S. Department of Labor
2 Office of Federal Contract Compliance Programs Pacific Region
3 Attn: Regional Director
4 San Francisco Federal Building
5 90 – 7th Street, Suite 18-300
6 San Francisco, CA 94103(415) 625-7800 Phone
7 (415) 625-7799 Fax
8

9 Additional information may be found at the U.S. Department of Labor website:
10 <https://www.dol.gov/ofccp/regs/compliance/preaward/cnstnote.htm>
11

- 12 4. As used in this Notice, and in the contract resulting from this solicitation, the Covered Area is
13 as designated herein.
14

15 Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive
16 Order 11246)
17

- 18 1. As used in these specifications:
19

- 20 a. Covered Area means the geographical area described in the solicitation from which
21 this contract resulted;
22
23 b. Director means Director, Office of Federal Contract Compliance Programs, United
24 States Department of Labor, or any person to whom the Director delegates authority;
25
26 c. Employer Identification Number means the Federal Social Security number used on
27 the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941;
28
29 d. Minority includes:
30
31 (1) Black, a person having origins in any of the Black Racial Groups of Africa.
32
33 (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of Mexican,
34 Puerto Rican, Cuban, Central American, South American, or other Spanish
35 origin.
36
37 (3) Asian or Pacific Islander, a person having origins in any of the original
38 peoples of the Pacific rim or the Pacific Islands, the Hawaiian Islands and
39 Samoa.
40
41 (4) American Indian or Alaskan Native, a person having origins in any of the
42 original peoples of North America, and who maintain cultural identification
43 through tribal affiliation or community recognition.
44

- 45 2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work
46 involving any construction trade, it shall physically include in each subcontract in excess of
47 \$10,000 the provisions of these specifications and the Notice which contains the applicable
48 goals for minority and female participation and which is set forth in the solicitations from which
49 this contract resulted.
50

- 51 3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by
52 the U.S. Department of Labor in the covered area either individually or through an

1 association, its affirmative action obligations on all work in the Plan area (including goals and
2 timetables) shall be in accordance with that Plan for those trades which have unions
3 participating in the Plan. Contractors must be able to demonstrate their participation in and
4 compliance with the provisions of any such Hometown Plan. Each Contractor or
5 Subcontractor participating in an approved Plan is individually required to comply with its
6 obligations under the EEO clause, and to make a good faith effort to achieve each goal under
7 the Plan in each trade in which it has employees. The overall good faith performance by other
8 Contractors or Subcontractors toward a goal in an approved Plan does not excuse any
9 covered Contractor's or Subcontractor's failure to take good faith effort to achieve the Plan
10 goals and timetables.

- 11
- 12 4. The Contractor shall implement the specific affirmative action standards provided in
13 paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation from
14 which this contract resulted are expressed as percentages of the total hours of employment
15 and training of minority and female utilization the Contractor should reasonably be able to
16 achieve in each construction trade in which it has employees in the covered area. Covered
17 construction contractors performing construction work in geographical areas where they do
18 not have a Federal or federally assisted construction contract shall apply the minority and
19 female goals established for the geographical area where the work is being performed. The
20 Contractor is expected to make substantially uniform progress in meeting its goals in each
21 craft during the period specified.
- 22
- 23 5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with
24 whom the Contractor has a collective bargaining agreement, to refer either minorities or
25 women shall excuse the Contractor's obligations under these specifications, Executive Order
26 11246, or the regulations promulgated pursuant thereto.
- 27
- 28 6. In order for the nonworking training hours of apprentices and trainees to be counted in
29 meeting the goals, such apprentices and trainees must be employed by the Contractor during
30 the training period, and the Contractor must have made a commitment to employ the
31 apprentices and trainees at the completion of their training, subject to the availability of
32 employment opportunities. Trainees must be trained pursuant to training programs approved
33 by the U.S. Department of Labor.
- 34
- 35 7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity.
36 The evaluation of the Contractor's compliance with these specifications shall be based upon
37 its effort to achieve maximum results from its action. The Contractor shall document these
38 efforts fully, and shall implement affirmative action steps at least as extensive as the following:
- 39
- 40 a. Ensure and maintain a working environment free of harassment, intimidation, and
41 coercion at all sites, and in all facilities at which the Contractor's employees are
42 assigned to work. The Contractor, where possible, will assign two or more women to
43 each construction project. The Contractor shall specifically ensure that all foremen,
44 superintendents, and other on-site supervisory personnel are aware of and carry out
45 the Contractor's obligation to maintain such a working environment, with specific
46 attention to minority or female individuals working at such sites or in such facilities.
- 47
- 48 b. Establish and maintain a current list of minority and female recruitment sources,
49 provide written notification to minority and female recruitment sources and to
50 community organizations when the Contractor or its unions have employment
51 opportunities available, and maintain a record of the organizations' responses.
- 52

- 1 c. Maintain a current file of the names, addresses and telephone numbers of each
2 minority and female off-the-street applicant and minority or female referral from a
3 union, a recruitment source or community organization and of what action was taken
4 with respect to each such individual. If such individual was sent to the union hiring
5 hall for referral and was not referred back to the Contractor by the union or, if
6 referred, not employed by the Contractor, this shall be documented in the file with the
7 reason therefor, along with whatever additional actions the Contractor may have
8 taken.
- 9
- 10 d. Provide immediate written notification to the Director when the union or unions with
11 which the Contractor has a collective bargaining agreement has not referred to the
12 Contractor a minority person or woman sent by the Contractor, or when the
13 Contractor has other information that the union referral process has impeded the
14 Contractor's efforts to meet its obligations.
- 15
- 16 e. Develop on-the-job training opportunity and/or participate in training programs for the
17 area which expressly include minorities and women, including upgrading programs
18 and apprenticeship and trainee programs relevant to the Contractor's employment
19 needs, especially those programs funded or approved by the U.S. Department of
20 Labor. The Contractor shall provide notice of these programs to the sources
21 compiled under 7b above.
- 22
- 23 f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions
24 and training programs and requesting their cooperation in assisting the Contractor in
25 meeting its EEO obligations; by including it in any policy manual and collective
26 bargaining agreement; by publicizing it in the company newspaper, annual report,
27 etc.; by specific review of the policy with all management personnel and with all
28 minority and female employees at least once a year; and by posting the company
29 EEO policy on bulletin boards accessible to all employees at each location where
30 construction work is performed.
- 31
- 32 g. Review, at least annually, the company's EEO policy and affirmative action
33 obligations under these specifications with all employees having any responsibility for
34 hiring, assignment, layoff, termination or other employment decisions including
35 specific review of these items with on-site supervisory personnel such as
36 Superintendents, General Foremen, etc., prior to the initiation of construction work at
37 any job site. A written record shall be made and maintained identifying the time and
38 place of these meetings, persons attending, subject matter discussed, and
39 disposition of the subject matter.
- 40
- 41 h. Disseminate the Contractor's EEO policy externally by including it in any advertising
42 in the news media, specifically including minority and female news media, and
43 providing written notification to and discussing the Contractor's EEO policy with other
44 Contractors and Subcontractors with whom the Contractor does or anticipates doing
45 business.
- 46
- 47 i. Direct its recruitment efforts, both oral and written to minority, female and community
48 organizations, to schools with minority and female students and to minority and
49 female recruitment and training organizations serving the Contractor's recruitment
50 area and employment needs. Not later than one month prior to the date for the
51 acceptance of applications for apprenticeship or other training by any recruitment
52 source, the Contractor shall send written notification to organizations such as the

1 above, describing the openings, screening procedures, and tests to be used in the
2 selection process.

- 3
- 4 j. Encourage present minority and female employees to recruit other minority persons
5 and women and where reasonable, provide after school, summer and vacation
6 employment to minority and female youth both on the site and in other areas of a
7 Contractor's work force.
- 8
- 9 k. Validate all tests and other selection requirements where there is an obligation to do
10 so under 41 CFR Part 60-3.
- 11
- 12 l. Conduct, at least annually, an inventory and evaluation of all minority and female
13 personnel for promotional opportunities and encourage these employees to seek or
14 to prepare for, through appropriate training, etc., such opportunities.
- 15
- 16 m. Ensure that seniority practices, job classifications, work assignments and other
17 personnel practices, do not have a discriminatory effect by continually monitoring all
18 personnel and employment related activities to ensure that the EEO policy and the
19 Contractor's obligations under these specifications are being carried out.
- 20
- 21 n. Ensure that all facilities and company activities are nonsegregated except that
22 separate or single-user toilet and necessary changing facilities shall be provided to
23 assure privacy between the sexes.
- 24
- 25 o. Document and maintain a record of all solicitations of offers for subcontracts from
26 minority and female construction contractors and suppliers, including circulation of
27 solicitations to minority and female contractor associations and other business
28 associations.
- 29
- 30 p. Conduct a review, at least annually, of all supervisors' adherence to and performance
31 under the Contractor's EEO policies and affirmative action obligations.

32

33 8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling
34 one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor
35 association, joint contractor-union, contractor-community, or other similar group of which the
36 Contractor is a member and participant, may be asserted as fulfilling any one or more of the
37 obligations under 7a through 7p of this Special Provision provided that the Contractor actively
38 participates in the group, makes every effort to assure that the group has a positive impact on
39 the employment of minorities and women in the industry, ensure that the concrete benefits of
40 the program are reflected in the Contractor's minority and female work-force participation,
41 makes a good faith effort to meet its individual goals and timetables, and can provide access
42 to documentation which demonstrate the effectiveness of actions taken on behalf of the
43 Contractor. The obligation to comply, however, is the Contractor's and failure of such a group
44 to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

45

46 9. A single goal for minorities and a separate single goal for women have been established. The
47 Contractor, however, is required to provide equal employment opportunity and to take
48 affirmative action for all minority groups, both male and female, and all women, both minority
49 and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a
50 particular group is employed in substantially disparate manner (for example, even though the
51 Contractor has achieved its goals for women generally, the Contractor may be in violation of
52 the Executive Order if a specific minority group of women is underutilized).

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10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
 11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
 12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspensions, terminations and cancellations of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
 13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of this Special Provision, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
 14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the government and to keep records. Records shall at least include, for each employee, their name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, the Contractors will not be required to maintain separate records.
 15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).
 16. Additional assistance for Federal Construction Contractors on contracts administered by Washington State Department of Transportation or by Local Agencies may be found at:

41 Washington State Dept. of Transportation
42 Office of Equal Opportunity
43 PO Box 47314
44 310 Maple Park Ave. SE
45 Olympia WA
46 98504-7314
47 Ph: 360-705-7090
48 Fax: 360-705-6801
49 <http://www.wsdot.wa.gov/equalopportunity/default.htm>
50

51 **1-07.15, Temporary Water Pollution/Erosion Control**
52

1 **1-07.15(1) Spill Prevention, Control and Countermeasures Plan**

2 Section 1-07.15(1) is supplemented with the following:

3
4 (August 3, 2009)

5 The Contractor shall address the following items in the SPCC Plan in addition to the requirements
6 of Section 1-07.15(1):

7
8 **Mixing, Transfers, & Storage**

- 9 1. All oil, fuel or chemical storage tanks or containers shall be diked and located on
10 impervious surfaces so as to prevent spill from escaping.
- 11
12 2. All liquid products shall be stored and mixed on impervious surfaces in a secure
13 water tight environment and provide containment to handle the maximum volume of
14 liquid products on site at any given time.
- 15
16 3. Proper security shall be maintained to prevent vandalism.
- 17
18 4. Drip pans or other protective devices shall be required for all transfer operations.

19
20 **Spills**

21 Paint and solvent spills shall be treated as oil spills and shall be prevented from reaching
22 storm drains or other discharges. No cleaning solvents or chemicals used for tool or
23 equipment cleaning may be discharged to the ground or water.

24
25 **Maintenance of Equipment**

26 Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc, shall be checked regularly for
27 drips or leaks and shall be maintained and stored properly to prevent spills into State waters.

28
29 **Disposal**

30 Spilled waste, chemicals or petroleum products shall be transported off site for disposal at a
31 facility approved by the Department of Ecology. The materials shall not be discharged to any
32 sanitary sewer without approval of the local sewer authority.

33
34 **Reporting and Cleanup**

35 The Contractor's designated person for managing and implementing the SPCC Plan shall
36 report hazardous material spills as follows:

37
38 Spills into State water (including ponds, ditches, seasonally dry streams, and wetlands) –
39 Immediately call all of the following:

40		
41	National Response Center	1-800-424-8802
42	WA State Div. of Emergency Management (24 hr)	1-800-258-5990
43	Ecology Southwest Regional Office	(360) 407-6300
44		

45 Spill to Soil (Including encounters of pre-existing contamination):

46		
47	Ecology Southwest Regional Office	(360) 407-6300
48	Report immediately if threatening to health or environment (i.e., explosive,	
49	flammable, toxic vapors, shallow groundwater, nearby creek), otherwise within	
50	90 days	

51
52 **1-07.17 Utilities And Similar Facilities**

53 (April 2, 2007)

Snyder Rd MP 0.20 Culvert Replacement Project
SM 90-15F721210020

1 Section 1-07.17 is supplemented with the following:
2

3 Locations and dimensions shown in the Plan for existing facilities are in accordance with available
4 information obtained without uncovering, measuring, or other verification.
5

6 The following addresses and telephone numbers of utility companies known or suspected of
7 having facilities within the project limits are supplied for the Contractor's convenience:
8

9 Lewis County P.U.D. No. 1
10 321 NW Pacific Avenue
11 Chehalis, WA 98532
12 Telephone (360) 748-9261
13

CenturyLink
Dioni Cariaga (Dioni.Cariaga@centurylink.com)
411 S. Kaiser Rd, Olympia, WA
(206) 733-5261 cell: (360)250-2596

14 Comcast
15 440 Yauger Way SW
16 Olympia, WA. 98570
17 Telephone (360) 357-1230
18

Lewis County Water District No. 3
12973 US Hwy 12
Packwood, WA 98361
36-494-7631

19 The Contractor shall call the Underground locate service (800-424-5555) two to ten days prior to
20 construction at each project site. The Contractor shall notify the Utility Owner of any utilities that are
21 within two feet of the planned construction. The above list of Utility Owners may not be complete. As
22 per RCW 19.122 it shall be the Contractors responsibility to contact the owners of utilities known or
23 suspected of having services close to the project site.
24

25 **1-07.18 Public Liability and Property Damage Insurance**

26
27 Delete this section in its entirety, and replace it with the following:
28

29 **1-07.18 Insurance**

30 *(January 4, 2016 APWA GSP)*
31

32 **1-07.18(1) General Requirements**

- 33 A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-
34 07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-:
35 VII and licensed to do business in the State of Washington. The Contracting Agency reserves the
36 right to approve or reject the insurance provided, based on the insurer's financial condition.
37
- 38 B. The Contractor shall keep this insurance in force without interruption from the commencement of
39 the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical
40 Completion date, unless otherwise indicated below.
41
- 42 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all
43 subsequent renewals, shall be no later than the effective date of this Contract. The policy shall
44 state that coverage is claims made, and state the retroactive date. Claims-made form coverage
45 shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or
46 earlier termination of this Contract, and the Contractor shall annually provide the Contracting
47 Agency with proof of renewal. If renewal of the claims made form of coverage becomes
48 unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period
49 ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure
50 financial responsibility for liability for services performed.
51

- 1 D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability
2 insurance policies shall be primary and non-contributory insurance as respects the Contracting
3 Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or
4 self-insured pool coverage maintained by the Contracting Agency shall be excess of the
5 Contractor's insurance and shall not contribute with it.
6
- 7 E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice
8 of any policy cancellation, within two business days of their receipt of such notice.
9
- 10 G. The Contractor shall not begin work under the Contract until the required insurance has been
11 obtained and approved by the Contracting Agency
12
- 13 H. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material
14 breach of contract, upon which the Contracting Agency may, after giving five business days' notice
15 to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion,
16 procure or renew such insurance and pay any and all premiums in connection therewith, with any
17 sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of
18 the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
19
- 20 I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the
21 Contract and no additional payment will be made.
22

23 **1-07.18(2) Additional Insured**

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

- 27 ▪ the Contracting Agency and its officers, elected officials, employees, agents, and volunteers
28

29 The above-listed entities shall be additional insured(s) for the full available limits of liability maintained
30 by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than
31 those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the
32 Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.
33

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

38 **1-07.18(3) Subcontractors**

39 The Contractor shall cause each Subcontractor of every tier to provide insurance coverage that
40 complies with all applicable requirements of the Contractor-provided insurance as set forth herein,
41 except the Contractor shall have sole responsibility for determining the limits of coverage required to be
42 obtained by Subcontractors.
43

44 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in 1-07.18(2) as
45 additional insureds, and provide proof of such on the policies as required by that section as detailed in
46 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and
47 CG 20 37 10 01 for completed operations.
48

49 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency
50 evidence of insurance and copies of the additional insured endorsements of each Subcontractor of
51 every tier as required in 1-07.18(4) Verification of Coverage.
52

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

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

8
9 Verification of coverage shall include:

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

17
18 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full
19 and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full
20 and certified copy of that policy is required when the Contractor delivers the signed Contract for the
21 work.

22 **1-07.18(5) Coverages and Limits**

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

27
28 All deductibles and self-insured retentions must be disclosed and are subject to approval by the
29 Contracting Agency. The cost of any claim payments falling within the deductible or self-insured
30 retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability
31 subject to any policy’s deductibles or self-insured retention, said deductibles or self-insured retention
32 shall be the responsibility of the Contractor.
33

34 **1-07.18(5)A Commercial General Liability**

35 Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO
36 occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop
37 gap liability, independent contractors, products-completed operations, personal and advertising injury,
38 and liability assumed under an insured contract. There shall be no exclusion for liability arising from
39 explosion, collapse or underground property damage.
40

41
42 The Commercial General Liability insurance shall be endorsed to provide a per project general
43 aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.
44

45 Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor’s
46 completed operations for at least three years following Substantial Completion of the Work.
47

48 Such policy must provide the following minimum limits:

- 49 \$1,000,000 Each Occurrence
50 \$2,000,000 General Aggregate

1	\$2,000,000	Products & Completed Operations Aggregate
2	\$1,000,000	Personal & Advertising Injury each offence
3	\$1,000,000	Stop Gap / Employers' Liability each accident

4
5 **1-07.18(5)B Automobile Liability**

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

9
10 Such policy must provide the following minimum limit:

11	\$1,000,000	Combined single limit each accident
----	-------------	-------------------------------------

12
13 **1-07.18(5)C Workers' Compensation**

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

16
17 **1-07.23, PUBLIC CONVENIENCE AND SAFETY**

18
19 **1-07.23(1) Construction Under Traffic**

20 Section 1-07.23(1) is supplemented with the following:

21
22 (January 2, 2012)

23 **Work Zone Clear Zone**

24 The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The
25 WZCZ applies only to temporary roadside objects introduced by the Contractor's
26 operations and does not apply to preexisting conditions or permanent Work. Those work
27 operations that are actively in progress shall be in accordance with adopted and
28 approved Traffic Control Plans, and other contract requirements.

29
30 During nonworking hours equipment or materials shall not be within the WZCZ unless
31 they are protected by permanent guardrail or temporary concrete barrier. The use of
32 temporary concrete barrier shall be permitted only if the Engineer approves the
33 installation and location.

34
35 During actual hours of work, unless protected as described above, only materials
36 absolutely necessary to construction shall be within the WZCZ and only construction
37 vehicles absolutely necessary to construction shall be allowed within the WZCZ or
38 allowed to stop or park on the shoulder of the roadway.

39
40 The Contractor's nonessential vehicles and employees private vehicles shall not be
41 permitted to park within the WZCZ at any time unless protected as described above.

42
43 Deviation from the above requirements shall not occur unless the Contractor has
44 requested the deviation in writing and the Engineer has provided written approval.

45
46 Minimum WZCZ distances are measured from the edge of traveled way and will be
47 determined as follows:
48

Regulatory Posted Speed	Distance From Traveled Way (Feet)
35 mph or less	10 *
40 mph	15
45 to 55 mph	20
60 mph or greater	30

* or 2-feet beyond the outside edge of sidewalk

Minimum Work Zone Clear Zone Distance

1-08, PROSECUTION AND PROGRESS

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

Add the following new section:

1-08.0(1) Preconstruction Conference
(October 10, 2008 APWA GSP)

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

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

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

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

Add the following new section:

1-08.0(2) Hours of Work

(*****)

The Contractor (or any subcontractors) shall not begin on-site work prior to 8:00 a.m. each day. Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between **8:00 a.m.** and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

1
2 All working hours and days are also subject to local permit and ordinance conditions (such as noise
3 ordinances).

4
5 If the Contractor wishes to deviate from the established working hours, the Contractor shall submit
6 a written request to the Engineer for consideration. This request shall state what hours are being
7 requested, and why. Requests shall be submitted for review no later than 3 working days prior to
8 the day(s) the Contractor is requesting to change the hours.

9
10 If the Contracting Agency approves such a deviation, such approval may be subject to certain other
11 conditions, which will be detailed in writing. For example:

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

27
28 **1-08.1 Subcontracting**
29 *(February 16, 2018 APWA GSP)*

30
31 The eighth and ninth paragraphs are revised to read:

32
33 On all projects, the Contractor shall certify to the actual amount received from the Contracting
34 Agency and amounts paid to all firms that were used as Subcontractors, lower tier subcontractors,
35 manufacturers, regular dealers, or service providers on the Contract. This includes all
36 Disadvantaged, Minority, Small, Veteran or Women's Business Enterprise firms. This Certification
37 shall be submitted to the Engineer on a monthly basis each month between Execution of the
38 Contract and Physical Completion of the Contract using the application available at:
39 <https://wsdot.diversitycompliance.com>. A monthly report shall be submitted for every month
40 between Execution of the Contract and Physical Completion regardless of whether payments were
41 made or work occurred.

42
43 The Contractor shall comply with the requirements of RCW 39.04.250, 39.76.011, 39.76.020, and
44 39.76.040, in particular regarding prompt payment to Subcontractors. Whenever the Contractor
45 withholds payment to a Subcontractor for any reason including disputed amounts, the Contractor
46 shall provide notice within 10 calendar days to the Subcontractor with a copy to the Contracting
47 Agency identifying the reason for the withholding and a clear description of what the Subcontractor
48 must do to have the withholding released. Retainage withheld by the Contractor prior to completion
49 of the Subcontractors work is exempt from reporting as a payment withheld and is not included in

1 the withheld amount. The Contracting Agency's copy of the notice to Subcontractor for deferred
2 payments shall be submitted to the Engineer concurrently with notification to the Subcontractor.
3

4 Section 1-08.1 is supplemented with the following:
5

6 (October 12, 1998)

7 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall submit
8 to the Engineer a certification (WSDOT Form 420-004) that a written agreement between the
9 Contractor and the subcontractor or between the subcontractor and any lower tier subcontractor
10 has been executed. This certification shall also guarantee that these subcontract agreements
11 include all the documents required by the Special Provision **Federal Agency Inspection**.
12

13 A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under the
14 contract until the following documents have been completed and submitted to the Engineer:
15

- 16 1. Request to Sublet Work (Form 421-012), and
- 17 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid
18 Projects (Form 420-004).
19

20 The Contractor's records pertaining to the requirements of this Special Provision shall be open to
21 inspection or audit by representatives of the Contracting Agency during the life of the contract and
22 for a period of not less than three years after the date of acceptance of the contract. The
23 Contractor shall retain these records for that period. The Contractor shall also guarantee that
24 these records of all Subcontractors and lower tier Subcontractors shall be available and open to
25 similar inspection or audit for the same time period.
26

27 **1-08.1(1) Subcontract Completion and Return of Retainage Withheld**

28 Section 1-08.1(1) is revised to read:
29

30 (June 27, 2011)

31 The following procedures shall apply to all subcontracts entered into as a part of this Contract:
32

33 **Requirements**

- 34 1. The Prime Contractor or Subcontractor shall make payment to the Subcontractor not later
35 than ten (10) days after receipt of payment from the Contracting Agency for work
36 satisfactorily completed by the Subcontractor, to the extent of each Subcontractor's
37 interest therein.
38
- 39 2. Prompt and full payment of retainage from the Prime Contractor to the Subcontractor
40 shall be made within 30 days after Subcontractor's Work is satisfactorily completed.
41
- 42 3. For purposes of this Section, a Subcontractor's work is satisfactorily completed when all
43 task and requirements of the Subcontract have been accomplished and including any
44 required documentation and material testing.
45
- 46 4. Failure by a Prime Contractor or Subcontractor to comply with these requirements may
47 result in one or more of the following:
48
 - 49 a. Withholding of payments until the Prime Contractor or Subcontractor complies
 - 50 b. Failure to comply shall be reflected in the Prime Contractor's Performance Evaluation
51

- c. Cancellation, Termination, or Suspension of the Contract, in whole or in part
- d. Other sanctions as provided by the subcontractor or by law under applicable prompt pay statutes.

Conditions

This clause does not create a contractual relationship between the Contracting Agency and any Subcontractor as stated in Section 1-08.1. Also, it is not intended to bestow upon any Subcontractor, the status of a third-party beneficiary to the Contract between the Contracting Agency and the Contractor.

Payment

The Contractor will be solely responsible for any additional costs involved in paying retainage to the Subcontractors. Those costs shall be incidental to the respective Bid Items.

1-08.3(2)A Type A Progress Schedule
(March 13, 2012 APWA GSP)

Revise this section to read:

The Contractor shall submit ~~3~~ copies of a Type A Progress Schedule no later than one week before the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal.

Contractor's Weekly Activities

(*****)

The Contractor shall submit a weekly schedule to the Engineer. The schedule shall indicate the Contractor's proposed activities for the forthcoming week along with the hours of work. This will permit the Engineer to more effectively provide the contract engineering and inspection for the Contractor's operations.

The written weekly activity schedule shall be submitted to the Engineer or a designated assistant before the end of the last shift on the next to the last working day of the week preceding the indicated activities, or other mutually agreeable time.

If the Contractor proceeds with work not indicated on the weekly activity schedule, or in a sequence differing from that which has been shown on the schedule, the Engineer may require the Contractor to delay unscheduled activities until they are included on a subsequent weekly activity schedule.

Separately, and in addition to the weekly schedule, the Contractor shall submit weekly a summary of project activities to the Engineer. The summary of activities shall include a report of the nature and progress of each of the major activities that were advanced on the project within the previous week.

1 It shall be sufficiently detailed that a composite history of the project develops. The locations and
2 approximate quantity guardrail and traffic control work shall be reported. Unusual activity, and
3 conditions or events that may affect the course of the project shall also be reported.
4

5 **1-08.4 Prosecution of Work**

6
7 Delete this section and replace it with the following:
8

9 **1-08.4 Notice to Proceed and Prosecution of Work** 10 *(July 23, 2015 APWA GSP)*

11
12 Notice to Proceed will be given after the contract has been executed and the contract bond and
13 evidence of insurance have been approved and filed by the Contracting Agency. The Contractor
14 shall not commence with the work until the Notice to Proceed has been given by the Engineer. The
15 Contractor shall commence construction activities on the project site within ten days of the Notice to
16 Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the
17 work to the physical completion date within the time specified in the contract. Voluntary shutdown
18 or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to
19 complete the work within the time(s) specified in the contract.
20

21 When shown in the Plans, the first order of work shall be the installation of high visibility fencing to
22 delineate all areas for protection or restoration, as described in the Contract. Installation of high
23 visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and
24 traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor
25 shall request the Engineer to inspect the fence. No other work shall be performed on the site until
26 the Contracting Agency has accepted the installation of high visibility fencing, as described in the
27 Contract.
28

29 **1-08.5 Time for Completion** 30 *(November 30, 2018 APWA GSP, Option B)*

31
32 Revise the third and fourth paragraphs to read:
33

34 Contract time shall begin on the first working day following the ~~\$\$14th \$\$~~ calendar day after the
35 Notice to Proceed date. If the Contractor starts work on the project at an earlier date, then contract
36 time shall begin on the first working day when onsite work begins.
37

38 Each working day shall be charged to the contract as it occurs, until the contract work is physically
39 complete. If substantial completion has been granted and all the authorized working days have
40 been used, charging of working days will cease. Each week the Engineer will provide the Contractor
41 a statement that shows the number of working days: (1) charged to the contract the week before;
42 (2) specified for the physical completion of the contract; and (3) remaining for the physical
43 completion of the contract. The statement will also show the nonworking days and any partial or
44 whole day the Engineer declares as unworkable. Within 10 calendar days after the date of each
45 statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be
46 considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to
47 ascertain the basis and amount of time disputed. By not filing such detailed protest in that period,
48 the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is
49 approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week
50 in which a 4-10 shift is worked would ordinarily be charged as a working day, then the fifth day of
51 that week will be charged as a working day whether or not the Contractor works on that day.

1
2 Revise the sixth paragraph to read:

3
4 The Engineer will give the Contractor written notice of the completion date of the contract after all
5 the Contractor's obligations under the contract have been performed by the Contractor. The
6 following events must occur before the Completion Date can be established:

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

24
25 **(*****)**

26 **This project shall be physically completed within *** 40 *** working days. No Construction**
27 **activities shall occur September 4 thru September 7, 2020, due to a community wide festival/flea**
28 **market (no working days will be charged during this time frame).**

29
30 **1-08.9 Liquidated Damages**
31 *(August 14, 2013 APWA GSP)*

32
33 Revise the fourth paragraph to read:

34
35 When the Contract Work has progressed to Substantial Completion as defined in the Contract, the
36 Engineer may determine that the work is Substantially Complete. The Engineer will notify the
37 Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring
38 after the date so established, the formula for liquidated damages shown above will not apply. For
39 overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall
40 be assessed on the basis of direct engineering and related costs assignable to the project until the
41 actual Physical Completion Date of all the Contract Work. The Contractor shall complete the
42 remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor
43 shall furnish a written schedule for completing the physical Work on the Contract.
44

45 **1-09, MEASUREMENT AND PAYMENT**

46
47 **1-09.7 Mobilization**

48 Section 1-09.7 is supplemented with the following:
49

1 (*****)

2 The Contracting Agency will provide a limited temporary staging site (US Forest Service property
3 at the end of Powerhouse Road, Packwood, WA – see Appendix E) during construction of the
4 project. The area to be used shall be staked in the field prior to use. The Contractor shall restore
5 this site to the condition it was found or as directed by the Engineer. Any additional staging area
6 proposed by the Contractor shall be approved by the Engineer prior to use and after all
7 environmental permitting reviews have been completed.

8 **1-09.9 Payments**

9 *(March 13, 2012 APWA GSP)*

10 Delete the first four paragraphs and replace them with the following:

11
12
13
14 The basis of payment will be the actual quantities of Work performed according to the Contract and
15 as specified for payment.

16
17 The Contractor shall submit a breakdown of the cost of lump sum bid items at the Preconstruction
18 Conference, to enable the Project Engineer to determine the Work performed on a monthly basis.
19 A breakdown is not required for lump sum items that include a basis for incremental payments as
20 part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make
21 a determination based on information available. The Project Engineer's determination of the cost of
22 work shall be final.

23
24 Progress payments for completed work and material on hand will be based upon progress
25 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the
26 preconstruction conference.

27
28 The initial progress estimate will be made not later than 30 days after the Contractor commences
29 the work, and successive progress estimates will be made every month thereafter until the
30 Completion Date. Progress estimates made during progress of the work are tentative, and made
31 only for the purpose of determining progress payments. The progress estimates are subject to
32 change at any time prior to the calculation of the final payment.

33
34 The value of the progress estimate will be the sum of the following:

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

43
44 Progress payments will be made in accordance with the progress estimate less:

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

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

5
6 **1-09.9(1) Retainage**

7 Section 1-09.9(1) is supplemented with the following:

8
9 **Retainage of 5 percent shall be as required by RCW 60.28.011.**

10
11 **1-09.11 Disputes and Claims**

12
13 **1-09.11(3) Time Limitation and Jurisdiction**

14 *(November 30, 2018 APWA GSP)*

15
16 Revise this section to read:

17
18 For the convenience of the parties to the Contract it is mutually agreed by the parties that any
19 claims or causes of action which the Contractor has against the Contracting Agency arising from
20 the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-
21 05.12) of the Contract by the Contracting Agency; and it is further agreed that any such claims or
22 causes of action shall be brought only in the Superior Court of the county where the Contracting
23 Agency headquarters is located, provided that where an action is asserted against a county, RCW
24 36.01.050 shall control venue and jurisdiction. The parties understand and agree that the
25 Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such
26 claims or causes of action. It is further mutually agreed by the parties that when any claims or
27 causes of action which the Contractor asserts against the Contracting Agency arising from the
28 Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the
29 Contracting Agency to have timely access to any records deemed necessary by the Contracting
30 Agency to assist in evaluating the claims or action.

31
32 **1-09.13 Claims Resolution**

33
34 **1-09.13(3) Claims \$250,000 or Less**

35 *(October 1, 2005 APWA GSP)*

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

38
39 The Contractor and the Contracting Agency mutually agree that those claims that total \$250,000 or
40 less, submitted in accordance with Section 1-09.11 and not resolved by nonbinding ADR
41 processes, shall be resolved through litigation unless the parties mutually agree in writing to resolve
42 the claim through binding arbitration.

43
44 **1-09.13(3)A Administration of Arbitration**

45 *(November 30, 2018 APWA GSP)*

46
47 Revise the third paragraph to read:

48
49 The Contracting Agency and the Contractor mutually agree to be bound by the decision of the
50 arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior
51 Court of the county in which the Contracting Agency's headquarters is located, provided that where
52 claims subject to arbitration are asserted against a county, RCW 36.01.050 shall control venue and

1 jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the
2 decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

3
4 **1-09.13(4) Claims in Excess of \$250,000**

5
6 Section 1-09.13(4) is hereby deleted and replaced with the following:

7
8 **CLAIMS RESOLUTION**

9 **(*****)**

10
11 Any dispute arising from the contract shall be processed in accordance with Section 1-04.5 and
12 Sections 1-09.11 through 1-09.13(1) of the Standard Specifications. The provisions of these
13 sections must be complied with in full as a condition precedent to the Contractor's right to seek
14 claims resolution through arbitration or litigation. The Contractor may file with the Engineer a
15 request for binding arbitration; the Engineer's decision regarding that request shall be final and
16 unappealable. Nothing in this paragraph affects or tolls the limitations period as set forth in
17 Section 1-09.11(3) of the Standard Specifications. However, if the Contractor files a lawsuit raising
18 any claim(s) arising from the contract, the parties shall, if the Engineer so directs, submit such
19 claim(s) to binding arbitration, subject to the rights of any party thereto to file with the Lewis County
20 Superior Court motions to dismiss or for summary judgment at any time. In any binding arbitration
21 proceeding, the provisions of subparagraphs (a) and (b) shall apply.

- 22
23 a) Unless the parties otherwise agree, all disputes subject to arbitration shall be heard in
24 a single arbitration hearing, and then only after completion of the contract. The
25 parties shall be bound by Ch. 7.04 RCW generally, and by the arbitration rules
26 hereafter stated, and shall, for purposes of administration of the arbitration, comply
27 where applicable with the 1994 Lewis County Superior Court Mandatory Arbitration
28 Rules (LMAR) sections 1.1(b), 1.3, 2.3, 3.1, 3.2(a) and (b), 5.1, 5.2 (except as
29 referenced to MAR 5.2), 5.3, 6.1, 6.2 (including the referenced MAR 6.2), and 8.6.
30 There shall be one arbitrator, to be chosen by mutual agreement of the parties from
31 the list provided by the Lewis County Superior Court Administrator. If the parties
32 cannot agree on a person to serve as arbitrator, the matter shall be submitted for
33 appointment of an arbitrator under LMAR 2.3. The arbitrator shall determine the
34 scope and extent of discovery, except that the Contractor shall provide and update
35 the information required by Section 1-09.11(2) of the Standard Specifications.
36 Additionally, each party shall file a statement of proof with the other party and the
37 arbitrator at least 20 calendar days before the scheduled arbitration hearing. The
38 statement of proof shall include:

- 39
40 1. The name, business address and contact telephone number of each
41 witness who will testify at the hearing.
42
43 2. For each witness to be offered as an expert, a statement of the subject
44 matter and a statement of the facts, resource materials (not protected by
45 privilege) and learned treatises upon which the expert is expected to
46 testify and render an opinion(s), synopsis of the basis for such
47 opinion(s), and a resume of the expert detailing his/her qualifications as
48 an expert and pursuant to rendering such opinion(s). A list of documents
49 and other exhibits the party intends to offer in evidence at the arbitration
50 hearing. Either party may request a copy of any document listed, and a
51 copy or description of any other exhibit listed. The party receiving the
52 request shall provide the copies or description within five (5) calendar

1 days. The parties or arbitrator may subpoena parties in accordance with
2 the Superior Court Mandatory Arbitration Rules (MAR) of Washington,
3 Rule 4.3, and witness fees and costs shall be provided for under Rule
4 6.4, thereof. The arbitrator may permit a party to call a witness or offer a
5 document or other exhibit not included in the statement of proof only
6 upon a showing of good cause.
7

8 b) The arbitration hearing shall be conducted at a location within Lewis County,
9 Washington. The extent of application of the Washington Rules of Evidence shall be
10 determined in the exercise of sound discretion of the arbitrator, except that such
11 Rules should be liberally construed in order to promote justice. The parties should
12 stipulate to the admission of evidence when there is no genuine issue as to its
13 relevance or authenticity. The decision of the arbitrator and the specific grounds for
14 the decision shall be in writing. The arbitrator shall use the contract as a basis for its
15 decisions. The County and the Contractor agree to be bound by the decision of the
16 arbitrator, subject to such remedies as are provided in Ch. 7.04 RCW. Judgment
17 upon the award rendered by the arbitrator shall be entered as judgment before the
18 presiding judge of the Superior Court for Lewis County. Each party shall bear its own
19 costs in connection with the arbitration. Each party shall pay one-half of the
20 arbitrator's fees and expenses.
21

22 **1-10, TEMPORARY TRAFFIC CONTROL**

23 **1-10.2 Traffic Control Management**

24 **1-10.2(1) General**

25 Section 1-10.2(1) is supplemented with the following:
26

27 (January 3, 2017)

28 Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the
29 State of Washington. The Traffic Control Supervisor shall be certified by one of the following:
30

31 The Northwest Laborers-Employers Training Trust
32 27055 Ohio Ave.
33 Kingston, WA 98346
34 (360) 297-3035
35

36 Evergreen Safety Council
37 12545 135th Ave. NE
38 Kirkland, WA 98034-8709
39 1-800-521-0778
40

41 The American Traffic Safety Services Association
42 15 Riverside Parkway, Suite 100
43 Fredericksburg, Virginia 22406-1022
44 Training Dept. Toll Free (877) 642-4637
45 Phone: (540) 368-1701
46
47

48 **1-10.2(2) Traffic Control Plans**

49 (*****)

50 Section 1-10.2(2) is supplemented with the following:
51
52

1 The Contracting Agency has attached a Traffic Control Plan (Contract Plan Sheet 11 of 12) for
2 temporary traffic control use on this project. All signs required for this project (as shown on the
3 Traffic Control Plan) shall be the Contractor's responsibility to furnish, erect, maintain, and remove.
4 The Contractor shall adopt the Traffic Control Plan in writing to the Engineer or furnish a new plan.
5 The Contractor shall conduct his operations on the roadway in a manner that two-way traffic is
6 maintained at all times, unless otherwise directed by the Engineer. The Contractor's operation
7 may require flagger controlled alternating one-way traffic for certain phases of construction (setting
8 concrete units with a crane, etc.). If flagger traffic control is necessary, the Contractor shall
9 propose a traffic control plan (MUTCD Standard Plan TA-10 or similar) for review and approval by
10 the Engineer prior to use.

11
12 If determined by the Engineer that additional signing is needed it shall be the Contractor's
13 responsibility to furnish, erect, maintain and remove these additional signs. **The Contracting
14 Agency shall review and approve the constructed traffic bypass road and signage prior to
15 use, signs may be installed and covered until approval.**

16
17 All Class A signs shall be paid for as "Construction Signs Class A" per square foot. All other traffic
18 control items shall be included in the "Project Temporary Traffic Control" per lump sum, including
19 Type 3 Barricade (including attached signs), traffic cones, labor, and daily maintaining detour.

20
21 If determined by the Engineer that additional signing (not shown on the Temporary Traffic Control
22 Plan) is needed, it shall be the Contractor's responsibility to furnish, erect, and maintain these
23 additional signs at no cost to the Contracting Agency.

24
25 **1-10.2(3) Conformance to Established Standards**
26 **(*****)**

27 Section 1-10.2(3) is supplemented with the following:

28
29 The latest revision of the WSDOT Manual M54-44 "Work Zone Traffic Control Guidelines"
30 (WZTCG) is hereby made a part of this contract by reference as if contained fully herein.

31
32 **1-10.4 Measurement**

33
34 **1-10.4(1) Lump Sum Bid for Project (No Unit Items)**

35 Section 1-10.4(1) is supplemented with the following:

36
37 (August 2, 2004)

38 The proposal contains the item "Project Temporary Traffic Control," lump sum. The provisions
39 of Section 1-10.4(1) shall apply.

40
41 ***Reinstating Unit Items With Lump Sum Traffic Control***

42 Section 1-10.4(3) is supplemented with the following:

43
44 (August 2, 2004)

45 The bid proposal contains the item "Project Temporary Traffic Control," lump sum and the
46 additional temporary traffic control items listed below. The provisions of Section 1-10.4(1),
47 Section 1-10.4(3), and Section 1-10.5(3) shall apply.

48
49 *** "Construction Signs Class A", per square foot. ***

50
51 **EXISTING SIGNS**

1
2 (*****)

3 During the life of the contract, the Contractor shall be responsible for all existing signs damaged or
4 removed by construction operations.

5
6 County Road name signs and Private Road name signs shall be temporarily relocated to portable sign
7 stands for convenience of construction subject to the approval of the Engineer. The signs shall be
8 located at or as near as practical to their original locations and shall have a minimum vertical clearance
9 above the pavement in accordance with the Manual on Uniform Traffic Control Devices. Upon
10 completion of construction in the area immediately surrounding the permanent sign location, the
11 Contractor shall reinstall the sign and supports in their permanent locations.

12
13 Signs damaged or removed shall be replaced by the Contractor at no cost to the County.

14
15
16 **DIVISION 2**
17 **EARTHWORK**
18

19 **2-01, CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

20
21 **2-01.1 Description**

22 Section 2-01.1 is supplemented with the following:

23
24 (*****)

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

26
27 *** The Right of Way limits and Construction Easements staked in the field by the Engineer prior to bid
28 opening and/or as shown on the Contract Plans. The Contractor will be required to limit all construction
29 operations to within the area staked to be cleared. No equipment will be allowed past the clearing limits
30 unless directed by the Engineer. ***

31
32 Conifer trees marked for removal north of Snyder Road shall be decked at a location agreed upon by
33 the property owner. Decked conifer trees shall become the landowner's property. All limbs, stumps
34 and tops smaller than 6-inch diameter from conifer trees shall be disposed of by the Contractor.
35

36 **2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

37 **2-02.1 Description**

38 Section 2-02.1 is supplemented with the following:

39
40 (*****)

41 The existing 3-rail wood fence with 10-inch x 10-inch wood posts at the project's southwest quadrant
42 shall be carefully removed to the minimum extent possible (for construction activities) and stockpiled.
43 After construction is complete, the 3-rail wood fence and shall be re-installed to the original condition
44 and location.

45
46 (March 13, 1995)

47 This work shall consist of removing miscellaneous traffic items.

48
49 **2-02.3 Construction Requirements**

50 Section 2-02.3 is supplemented with the following:

1
2 (*****)

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

4
5 Make two vertical saw cuts (1-foot apart) at any existing pavement that is to remain and the
6 portion that is to be removed. Any damage to the vertical cut during construction operation
7 shall be repaired to the satisfaction of the Engineer prior to paving. Immediately prior to paving,
8 the 1-foot strip of asphalt (and surfacing to the full HMA depth) shall be removed to provide a
9 clean, straight edge to join new to existing asphalt.

10
11 **Removing Miscellaneous Items**

12
13 (March 13, 1995)

14 The following miscellaneous items shall be removed and disposed of:

15
16 *** Existing Signs (Existing Signs shall be stockpiled and reset per Section 1-10) ***

17 *** Flexible Guide Post ***

18 *** Existing Fencing (3-rail wood fence shall be stockpiled and reset) ***

19
20 **2-02.4 Measurement**

21
22 No specific unit of measurement will apply to the lump sum item of "Removal of Structure and
23 Obstruction". Traffic signs to be adjusted or moved and 3-rail wood fence removal/reconstruction shall
24 be considered incidental to this bid item. The existing 3-rail wood fence materials shall be carefully
25 removed, stockpiled and reconstructed to the original fence location after construction.

26
27 **2-02.5 Payment**

28 Section 2-02.5 is supplemented with the following:

29
30 Payment will be made in accordance with Section 1-04.1, for the following Bid item when it is included
31 in the Proposal:

32
33 "Removal of Structures and Obstructions", lump sum.

34
35 If pavements, sidewalks, curbs, or gutters lie within an excavation area, their removal will be paid
36 for as part of the quantity removed in Structure Excavation.

37
38 **2-03, ROADWAY EXCAVATION AND EMBANKMENT**

39
40 (*****)

41 **2-03.3 Construction Requirements**

42
43 **2-03.3(7) Disposal of Surplus Material**

44 Section 2-03.3(7) is supplemented with the following:

45
46 No waste site has been provided to the Contractor for the disposal of unsuitable and excess
47 excavation material. The Contractor shall make his own arrangement to acquire a site for the
48 disposal of unsuitable and excess excavation material.

49
50 The Contractor shall make his own arrangements to acquire a site and obtain all environmental
51 permits required for the disposal of the unsuitable excavation material. The Contracting Agency

1 must approve the waste site prior to it being utilized. Approval cannot be given until the
2 Contracting Agency receives copies of all environmental approvals.

3
4 All costs for acquiring a disposal site and for the loading, hauling, and disposal of unsuitable and
5 excess excavation material shall be considered incidental to the project and be included in the unit
6 contract prices for the various items of work therein.

7 8 **Temporary Bypass Road**

9 The Contractor shall construct the Temporary Bypass Road as shown in the plans. Native material
10 removed for this Temporary Bypass Road shall be stockpiled and replaced after construction is
11 completed to restore the original ground contours (cuts and fills within 0.25-feet of surrounding
12 contours). The Contractor supplied material to construct the Temporary Bypass Road shall remain
13 the property of the Contractor after removal. The following is an approximate list of quantities for
14 the bypass road:

15		
16	Excavation (Stockpile for Restoration)	100 C.Y.
17	Construction Geotextile for Separation	850 S.Y.
18	Temporary 24-In Dia. Culv. Pipe	45 L.F.
19	Select Borrow Incl. Haul (Fill for Bypass Road Grading)	300 Ton
20	Crushed Surfacing (1-ft Minimum)	400 Ton
21	Restoration after Bypass Removal	100 C.Y.
22		

23 **2-03.4 Measurement**

24 Section 2-03.4 is supplemented with the following:

25
26 (March 13, 1995)

27 Only one determination of the original ground elevation will be made on this project. Measurement
28 for roadway excavation and embankment will be based on the original ground elevations recorded
29 previous to the award of this contract. Control stakes will be set during construction to provide the
30 Contractor with all essential information for the construction of excavation and embankments.

31
32 Earthwork quantities will be computed, either manually or by means of electronic data processing
33 equipment, by use of the average end area method or by the finite element analysis method
34 utilizing digital terrain modeling techniques.

35
36 No specific unit of measurement will apply to "Temporary Bypass Road".

37 38 **2-03.5 Payment**

39 Section 2-03.4 is supplemented with the following:

40
41 (*****)

42 "Temporary Bypass Road", lump sum.

43 The lump sum contract price for "Temporary Bypass Road" shall be full payment to perform the
44 work as shown in the Contract Plans, including excavation, stockpiling native material,
45 construction geotextile for separation, select borrow, crushed surfacing base course, temporary
46 24-inch diam. culvert, maintaining the bypass road daily, removing the bypass road, replacing
47 excavated material, and restoring the area to original ground contours to within 0.25 of a foot.

48
49 "Roadway Excavation Incl. Haul", "Channel Excavation Incl. Haul", and "Ditch Excavation Incl.
50 Haul" (all per cubic yard) shall be included and paid for under "Structure Excavation Class A
51 Incl. Haul" in Section 2-09.5.

1 **2-09, STRUCTURE EXCAVATION**

2 **2-09.1 Description**

3 (*****)

4 Section 2-09.1 is supplemented with the following:

5
6 **Temporary Stream Diversion for Structure & Channel Excavation**

7 Temporary Stream Diversion for Structure & Channel Excavation work shall consist of installation and
8 maintenance of stream diversion/bypass for the creek during all in-water construction. Temporary
9 Stream Diversion for Structure Excavation shall be conducted in a manner that does not violate State
10 Water Quality Standards. All work in and adjacent to the stream shall be accomplished in strict
11 accordance with the requirements of the WDFW HPA. This work also consists of adjustments to the
12 location of the dewatering systems as deemed necessary by the Contractor to complete the project and
13 comply with all environmental regulations, permits, specifications and special provisions for this project.

14
15 **The Contracting Agency has depicted a general Temporary Stream Bypass Plan on Sheet 4 of**
16 **12 of the Contract Plans for the Contractor's approval.**

17
18 Upon completion of in-water construction, the Contractor shall promptly remove all stream diversion
19 materials and equipment as directed by the Engineer. Disposal of surplus material and debris
20 remaining from dewatering operations shall be incidental to and included in this item of work. The
21 Stream Diversion Plan is an integral component of stormwater management for this site. If work is
22 required above the ordinary high water mark after the in-water work window has expired, additional
23 BMPs not shown in the Contract Plans shall be proposed by the Contractor for approval by the
24 Engineer. BMPs installed and maintained after the in-water work window has expired shall control
25 stormwater generated from the site during final construction activities. Payment for BMPs shall be per
26 Contract Unit Bid prices or via Section 1-09.

27
28 **Submittals**

29 One week prior to beginning stream diversion/bypass and dewatering work, the Contractor shall submit
30 the following in writing to the Engineer for approval:

- 31
32 1. Plans for the installation and commissioning of the dewatering system throughout the duration of
33 the structure excavation.
- 34
35 a) Drawings for Information: Show arrangement, locations, and details of temporary
36 diversion structure, pump locations and discharge line, discharge point, temporary
37 erosion control, and removal of stranded fish.
- 38 b) Include a written report outlining control procedures to be adopted if stream bypass
39 problems arise. Photograph or videotape, in sufficient detail, existing conditions of
40 adjoining construction and site improvements that might be misconstrued as damage
41 caused by stream bypass operations.
- 42 2. Method of stream diversion/bypass throughout the duration of the structure excavation.

43
44 Work shall not commence until the submittals are approved in writing by the Engineer.

45
46 **2-09.3 Construction Requirements**

47 (*****)

48 Section 2-09.3 in supplemented with the following:

49
50 **Preparation**

51 Install the stream diversion system to ensure minimum interference with the existing streambed, and
52 other facilities surrounding the dewatering site.

1
2 Disturbance of the bed and banks should be limited to that necessary to place the structure,
3 embankment protection, and any required channel modification associated with the installation. All
4 disturbed areas should be protected from erosion within seven (7) calendar days of completion using
5 vegetation or other means.

6
7 Isolation of the construction site from stream flow shall be accomplished using techniques such as:

- 8
9 By pumping the stream flow around the site.
10 The installation of a sheetpile or sandbag wall.
11 The use of a water-filled cofferdam.

12
13 Exception may be granted if siltation or turbidity is reduced to acceptable levels by means approved by
14 the Engineer, the Washington Department of Fish and Wildlife (WDFW) and Washington Department of
15 Ecology.

16 **Installation**

17
18 Install the stream diversion system utilizing pipes, pumps (with WDFW approved fish screens), culverts,
19 flexible hose or similar methods complete with pump equipment, standby power and pumps, valves,
20 appurtenances, water disposal, and surface-water controls.

21
22 It is anticipated that a pump bypass system will be utilized to by-pass stream around the excavation
23 area.

24
25 Provide standby equipment on-site available for immediate operation, to maintain stream bypass on
26 continuous basis if any part of system becomes inadequate or fails. At a minimum the Contractor shall
27 provide and have on hand additional pumps as a backup to the stream bypass system. If stream
28 bypass requirements are not satisfied due to inadequacy or failure of stream bypass system, restore
29 damaged structures and foundation soils at no additional expense to the County.

30
31 Fish rescue shall be conducted within the zone of isolation. All fish shall be transferred downstream of
32 the project site using Washington State Department of Transportation (WSDOT) fish exclusion
33 protocols. Fish shall be removed from the project area using a seine net, dip net and five gallon
34 buckets. When fish rescue is completed the site may be dewatered. Pumps shall draw down water at
35 a slow rate so that fish remaining may be rescued and no fish stranding shall occur.

36
37 Any wastewater from project activities and dewatering shall be routed to an area outside the ordinary
38 high water line to allow settling of fine sediments and other contaminants prior to being discharged back
39 into the subject stream. Do not permit open-sump pumping that leads to loss of fines, soil piping,
40 subgrade softening, and slope instability. Dewatering operations shall comply with regulatory water
41 disposal requirements of authorities having jurisdiction. The stream diversion/bypass and shall be
42 sufficiently maintained to avoid significant leaks that may result in flows through the work zone. All in-
43 water work shall be in strict conformance with permits obtained for this project.

44
45 Remove and dispose of the stream bypass system from project site once the new stream channel has
46 been constructed and approved by the Engineer. Upon decommissioning, flows shall be reintroduced
47 gradually so as to minimize the mobilization of sediments.

48 **2-09.3(1)C Removal of Unsuitable Base Material** 49 **(*****)**

50
51 Section 2-09.3(1)C is supplemented with the following:

1 The bottom of the excavation area shall be evaluated for stability upon completion of Structure
2 Excavation Class A. The Engineer shall determine if the base material is adequate or unsuitable.
3 If this material is deemed unsuitable by the Engineer, the Contractor shall remove unsuitable
4 material below originally planned grade (not depicted in the Contract Plans) to a depth not to
5 exceed 2-feet below the planned excavation limits. Unsuitable excavated material shall be
6 disposed of and paid per the Contract unit price for Structure Excavation Class A Incl. Haul. The
7 additional excavation area shall be backfilled with Quarry Spalls (also not depicted in the Contract
8 Plans) and compacted prior to placing Crushed Surfacing Base Course for the concrete culvert
9 and wingwall foundation.

10
11 Backfill for Unsuitable Base Material shall meet the requirements of Section 9-13.1(5) Quarry
12 Spalls and compacted to the satisfaction of the Engineer. An estimated quantity of Quarry Spalls
13 for Unsuitable Base Material (if required) has been entered into the Proposal, the conditions of
14 Section 1-04.6 Variation in Estimated Quantities shall not apply.

15 16 **2-09.3(1)E Backfilling**

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

18
19 The contractor may elect to re-use Structure Excavation Class A material for backfill depicted on
20 the Contract Plans if the testing is conducted to conclude the material meets the specified
21 requirements.

22
23 The material used to perform general backfill for Culvert and Precast Wing Walls shall be Select
24 Borrow meeting the requirements under 9-03.14(2).

25 26 **2-09.4 Measurement**

27 (*****)

28 Section 2-09.4 in supplemented with the following:

29
30 No specific unit of measurement will apply to "Temporary Stream Diversion".

31
32 "Quarry Spalls" for Unsuitable Base Material shall be measured per ton.

33
34 All project excavation (Roadway, Channel, Ditch, etc.) shall be included in "Structure Excavation Class
35 A Incl. Haul" and measured in their original position by the cubic yard. Earthwork neat line quantities
36 have been computed, either manually or by means of electronic data processing equipment, by use of
37 the average end area method or by the finite element analysis method utilizing digital terrain modeling
38 techniques.

39 40 **2-09.5 Payment**

41 (*****)

42 Section 2-09.5 in supplemented with the following:

43
44 Payment will be made in accordance with Section 1-04.1 for the following bid item included in the
45 proposal:

46
47 "Temporary Stream Bypass", lump sum.

48
49 The lump sum contract price for "Temporary Stream Bypass" shall be full payment to perform the work
50 as specified, including dewatering, stream diversion/bypass, pump monitoring and operation, fish
51 rescue, and any sandbagging, pumping (with WDFW approved fish screens), fish exclusion, sediment
52 removal, filtration or other materials necessary to complete the work.

1
2 “Quarry Spalls” for Unsuitable Base Material per ton shall be full payment for Quarry Spalls including
3 supplying, hauling, placing, and compacting material.
4

5
6 **DIVISION 3**
7 **PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**
8

9 **3-01, PRODUCTION FROM QUARRY AND PIT SITES**

10 **3-01.4 Contractor Furnished Material Sources**

11
12 **3-01.4(1) Acquisition and Development**

13 (*****)

14 Section 3-01.4(1) is supplemented with the following:

15
16 No source has been provided for any materials necessary for the construction of this project.
17

18
19 **DIVISION 4**
20 **BASES**
21

22 **4-04, BALLAST AND CRUSHED SURFACING**

23
24 **4-04.3 Construction Requirements**

25
26 **4-04.3(5) Shaping and Compacting**

27 (*****)

28 Section 4-04.3(5) is supplemented with the following:

29
30 **Shoulder Finishing**

31 Shoulder finishing material shall not be placed until the abutting pavement has been completed,
32 unless designated by the Engineer. Shoulder finishing material (Crushed Surfacing Top Course)
33 shall be placed by a spreader box in one lift. Processing of the shoulder finishing material on the
34 roadway shall not be permitted.

35
36 The existing shoulder material, as well as any additional crushed surfacing material required shall
37 be placed, watered, and compacted against the vertical edge of the pavement, including road
38 approaches. Hand work may be required in areas of road approaches and guardrail. The
39 Contractor shall grade the shoulder material to a uniform slope, remove all debris (sod, large
40 rocks, etc.) and dress all berms resulting from this operation to the satisfaction of the Engineer.
41 The material shall be graded into place and compacted by wheel rolling a minimum of two passes
42 with a motor grader or comparable piece of equipment in areas where the shoulder is narrow. All
43 other areas shall be compacted to the satisfaction of the Engineer. In all areas where the shoulder
44 is wide enough, as determined by the Engineer, a steel drum vibratory compactor shall be used.
45 For compaction, water shall be applied as determined by the Engineer. Damage to the HMA mat
46 due to the Contractor’s operation shall be repaired at no cost to the Contracting Agency.

47
48 Following the placement of crushed surfacing material each day, the new mainline and shoulder
49 pavement shall be cleaned of all dirt and debris to the satisfaction of the Engineer. Prior to

1 commencing work on the Shoulder Finishing operation the Contractor shall submit the selected
2 method of compaction and equipment to be used to the Engineer for approval.

3
4 **4-04.4 Measurement**

5 (*****)

6 Section 4-04.4 is supplemented with the following:

7
8 “Shoulder Finishing” shall be measured per Ton.

9
10 **4-04.5 Payment**

11 (*****)

12 Section 4-04.5 is supplemented with the following:

13
14 The unit contract price per Ton for “Shoulder Finishing” shall be full pay for furnishing crushed
15 surfacing, hauling, grading existing material, placing additional material, compacting and all other
16 work as specified.

17
18 **DIVISION 5**
19 **SURFACE TREATMENTS AND PAVEMENTS**

20
21 (*****)

22 **5-04, HOT MIX ASPHALT**

23 (*****)

24 Delete Section 5-04 and amendments, Hot Mix Asphalt and replace it with the following:

25
26 (*****)

27 **5-04.1 Description**

28
29 This Work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt
30 (HMA) on a prepared foundation or base in accordance with these Specifications and the lines,
31 grades, thicknesses, and typical cross-sections shown in the Plans.

32
33 HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the
34 proportions specified to provide a homogeneous, stable, and workable mixture.

35
36 The term “Approach” shall include Road approaches, driveways, and extensions.

37
38 **Superintendents, Labor, and Equipment of Contractor**

39
40 The Contractor shall have a sufficient number of qualified personnel on the project to
41 insure the following minimum crew size:

- 42
43 One paving superintendent
44 One paver operator
45 Two screed operators
46 Three roller operators
47 Two rakers
48

1 These workers shall be present and not assigned to dual activities that would stop them
2 from fulfilling their assigned task while the paver is in operation. There will be one
3 assigned supervisor who will be in charge of paving operations and who will be
4 responsible for work performed.

5 **Fiber Reinforced HMA:**

6
7 This work shall consist of providing and placing Fiber Reinforced HMA in accordance with these
8 Specifications and the lines, grades, thicknesses and typical cross-sections shown in the plans.

9
10 **Definitions:**

- 11 • Reinforcing Fibers: High tensile strength synthetic aramid fiber blend specially
12 formulated to reinforce hot mix asphalt.
- 13 • Fiber Reinforced Asphalt Concrete (FRAC): A mixture of hot mix asphalt and
14 reinforcing fibers that has greater resistance to rutting, thermal cracking, fatigue
15 cracking, and reflective cracking as compared to conventional non-fiber asphalt
16 mixes.
- 17 • Aramid Dispersion State Ratio (ADSR): A measure of the dispersion efficiency of the
18 Reinforcing Fibers within asphalt mixes. ADSR is calculated by comparing the mass
19 of aramid in the individual state to the total mass of extracted aramid fibers,
20 expressed as a percentage.

21
22 (*****)

23 **5-04.2 Materials**

24 Materials shall meet the requirements of the following sections:

26	Asphalt Binder	9-02.1(4)
27	Cationic Emulsified Asphalt	9-02.1(6)
28	Anti-Stripping Additive	9-02.4
29	HMA Additive	9-02.5
30	Aggregates	9-03.8
31	Recycled Asphalt Pavement	9-03.8(3)B
32	Mineral Filler	9-03.8(5)
33	Recycled Material	9-03.21
34	Portland Cement	9-01
35	Sand	9-03.1(2)
36	(As noted in 5-04.3(5)C for crack sealing)	
37	Joint Sealant	9-04.2
38	Foam Backer Rod	9-04.2(3)A

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

44
45 No recycled asphalt pavement (RAP) may be used in the production of HMA.

46
47 The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder from
48 different sources is not permitted.

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

Reinforcing Fibers:

1. Provide a reinforcing fiber blend of virgin polyolefins and virgin aramids that meets the requirements in Table 1 and Table 2 below:

Table 1

Reinforcing Fiber Material Properties			
Property	Standard	Polyolefin	Aramid
Form	Manufacturer Certification	Serrated	Monofilament
Nominal Specific Gravity	ASTM D276	0.91	1.44
Tensile Strength (psi)	ASTM D7269	NA ¹	400,000
Length (in)	Manufacturer Certification	0.75	0.75

1. Polyolefin fibers will melt or become plastically deformed during production

Table 2

Reinforcing Fiber Performance Properties			
Performance Measure	Test Method	Standard	Requirement
Dispersion Efficiency	Aramid Dispersion State Ratio (ADSR)	Modified ASTM D2172	≥ 85%
Field Performance Cracking Resistance	Pavement Condition Index	ASTM D6433	≥ 10 PCI Points increase, Minimum 4 years
Resistance to Permanent Deformation (Rutting)	Flow Number (FN)	AASTHO TP79	≥ 75% increase

2. If an aramid-based fiber blend is proposed that does not meet all of the material properties in Table 1 above, performance test results meeting Table 2 above and complying with Part 2 of Section 5-04.2(2) below a substitute fiber blend shall be submitted at least one week prior to bid date for approval by engineer.
3. Non-aramid fiber blends will not be considered as acceptable alternatives to this specification

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

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

5-04.2(1)A Vacant

1 **5-04.2(2) Mix Design – Obtaining Project Approval**
2

3 No paving shall begin prior to the approval of the mix design by the Engineer.
4

5 **Nonstatistical** evaluation will be used for all HMA not designated as Commercial HMA in the
6 contract documents.
7

8 **(*****)**

9 **Commercial** evaluation will be used for Commercial HMA and for other classes of HMA if approved
10 by the Engineer, in the following applications: sidewalks, road approaches, ditches, slopes, paths,
11 trails, gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by
12 commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA
13 accepted by commercial evaluation will be at the option of the Project Engineer. The Proposal
14 quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities
15 used in the determination of nonstatistical evaluation.
16

17 **Nonstatistical Mix Design.** Fifteen days prior to the first day of paving the contractor shall provide
18 one of the following mix design verification certifications for Contracting Agency review;
19

- 20 • The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix
21 design verification certifications listed below.
- 22 • The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification
23 (stamp & signature) of a valid licensed Washington State Professional Engineer.
- 24 • The Mix Design Report for the proposed HMA mix design developed by a qualified City or
25 County laboratory that is within one year of the approval date.**
26

27 The mix design shall be performed by a lab accredited by a national authority such as Laboratory
28 Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials
29 Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall
30 supply evidence of participation in the AASHTO: resource proficiency sample program.
31

32 Mix designs for HMA accepted by Nonstatistical evaluation shall;
33

- 34 • Have the aggregate structure and asphalt binder content determined in accordance with
35 WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-
36 03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the
37 Engineer, and 9-03.8(6).
- 38 • Have anti-strip requirements, if any, for the proposed mix design determined in accordance
39 with AASHTO T 283 or T 324, or based on historic anti-strip and aggregate source
40 compatibility from previous WSDOT lab testing.
41

42 At the discretion of the Engineer, agencies may accept verified mix designs older than 12 months
43 from the original verification date with a certification from the Contractor that the materials and
44 sources are the same as those shown on the original mix design.
45

46 **Commercial Evaluation** Approval of a mix design for “Commercial Evaluation” will be based on a
47 review of the Contractor’s submittal of WSDOT Form 350-042 (For commercial mixes, AASHTO T
48 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or from one of the

1 processes allowed by this section. Testing of the HMA by the Contracting Agency for mix design
2 approval is not required.

3
4 For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of
5 Equivalent Single Axle Loads (ESAL's) appropriate for the required use.

6 **Reinforcing Fibers:**

7
8 1. Submit the following as part of the bid package:

- 9
10 a. Representative fiber product sample.
11 b. Fiber product data sheet and certification from the Manufacturer that the fiber
12 product supplied meets the requirements of this specification.
13 c. Manufacturer's instructions and general recommendations.
14 d. Performance test results of ADSR testing from a minimum of three separate
15 laboratory trials to validate dispersion efficiency.
16 e. Performance results of PCI testing from a minimum of three separate field
17 trials to validate cracking resistance.
18 f. Performance test results of FN testing from a minimum of three separate
19 laboratory trials to validate rutting resistance.
20 g. A minimum of five unique project examples and references where the
21 reinforcing fiber product was used within 250 miles of the project location

22 ****NOTE: Testing is NOT required on samples from the job mix. Submit**
23 **previously completed lab testing only.**

24
25 2. Performance testing requirements

26
27 All historical test results submitted to validate the fiber's performance in asphalt
28 mixes shall be from previously completed laboratory and field trials using plant-mixed
29 FRAC only. **Testing is NOT required on samples from the job mix.**

30
31 Performance testing must be from laboratory trials at a fiber dosage rate equal to the
32 rate proposed for the project. Tests must be performed by an AASHTO accredited
33 laboratory or nationally recognized university testing lab and must be reviewed and
34 approved by the project engineer.

- 35
36 a. Aramid Dispersion State Ratio (ADSR) Tests from a minimum of three (3)
37 separate laboratory trials.
38 1. Perform ADSR test based on modified ASTM D2172 procedures as
39 provided in the document entitled "Extraction of Aramid Fibers from
40 Fiber Reinforced Asphalt Concrete – Special Test Method". A copy of
41 the modified extraction methodology can be obtained by making an
42 inquiry to the Pavement and Materials Laboratory at Arizona State
43 University at NCE@asu.edu.
44 2. To validate ADSR results, average extracted aramid fiber quantity
45 must equal 0.007 percent by total sample weight with no individual
46 result less than 0.005 percent of the total sample weight.
47 3. All tested fiber mixes must achieve a minimum ADSR of 85%.
48
49 b. Pavement Condition Index (PCI) side by side comparison from a minimum of
50 three (3) field trails with a minimum in-service pavement age of four years.
51 1. PCI surveys shall be performed according to ASTM D6433.

2. Tests results shall include a control and a fiber reinforced pavement section. FRAC mix shall be identical to control mix except for the inclusion of fibers added at the same dosage as proposed on the project.
3. In field performance sections shall be subject to the same environmental and traffic conditions. A minimum surface area of 500 yd² per FRAC and control section is required.
4. PCI results from fiber sections shall show a minimum 10 PCI points greater than the control section after a minimum of 4 years.

- c. Flow Number (FN) Tests from a minimum of three (3) separate laboratory trials.
 1. Perform FN tests using the protocol from AASHTO TP79.
 2. Tests results shall include a control and a fiber reinforced mix. FRAC mix shall be identical to control mix except for the inclusion of fibers added at the same dosage as proposed on the project.
 3. Results from fiber specimens shall show an average FN increase of at least 75% over control specimens.

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

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

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

Minimum Surface Temperature for Paving

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

5-04.3(2) Paving Under Traffic

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

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

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

3
4 During paving operations, temporary pavement markings shall be maintained throughout the
5 project. Temporary pavement markings shall be installed on the Roadway prior to opening to traffic.
6 Temporary pavement markings shall be in accordance with Section 8-23.

7
8 All costs in connection with performing the Work in accordance with these requirements shall be
9 included in the unit Contract prices for the various Bid items involved in the Contract.

11 **5-04.3(3) Equipment**

13 **5-04.3(3)A Mixing Plant**

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

- 16 **1. Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder
17 shall be equipped to heat and hold the material at the required temperatures. The heating
18 shall be accomplished by steam coils, electricity, or other approved means so that no flame
19 shall be in contact with the storage tank. The circulating system for the asphalt binder shall
20 be designed to ensure proper and continuous circulation during the operating period. A
21 valve for the purpose of sampling the asphalt binder shall be placed in either the storage
22 tank or in the supply line to the mixer.
- 23 **2. Thermometric Equipment** – An armored thermometer, capable of detecting temperature
24 ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location
25 near the charging valve at the mixer unit. The thermometer location shall be convenient and
26 safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale
27 thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved
28 thermometric instrument placed at the discharge chute of the drier to automatically register
29 or indicate the temperature of the heated aggregates. This device shall be in full view of the
30 plant operator.
- 31 **3. Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the
32 maximum recommended by the asphalt binder manufacturer nor shall it be below the
33 minimum temperature required to maintain the asphalt binder in a homogeneous state. The
34 asphalt binder shall be heated in a manner that will avoid local variations in heating. The
35 heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform
36 average temperature with no individual variations exceeding 25°F. Also, when a WMA
37 additive is included in the asphalt binder, the temperature of the asphalt binder shall not
38 exceed the maximum recommended by the manufacturer of the WMA additive.
- 39 **4. Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a
40 mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall
41 meet the requirements of Section 1-05.6 for the crushing and screening operation. The
42 Contractor shall provide for the setup and operation of the field testing facilities of the
43 Contracting Agency as provided for in Section 3-01.2(2).
- 44 **5. Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following
45 methods:
 - 46 a. A mechanical sampling device attached to the HMA plant.
 - 47 b. Platforms or devices to enable sampling from the hauling vehicle without entering
48 the hauling vehicle.

1

2 **5-04.3(3)B Hauling Equipment**

3 Trucks used for hauling HMA shall have tight, clean, smooth metal beds and shall have a cover of
4 canvas or other suitable material of sufficient size to protect the mixture from adverse weather.
5 Whenever the weather conditions during the work shift include, or are forecast to include,
6 precipitation or an air temperature less than 45°F or when time from loading to unloading exceeds
7 30 minutes, the cover shall be securely attached to protect the HMA.
8

9 The contractor shall provide an environmentally benign means to prevent the HMA mixture from
10 adhering to the hauling equipment. Excess release agent shall be drained prior to filling hauling
11 equipment with HMA. Petroleum derivatives or other coating material that contaminate or alter the
12 characteristics of the HMA shall not be used. For live bed trucks, the conveyer shall be in operation
13 during the process of applying the release agent.
14

15 **5-04.3(3)C Pavers**

16 HMA pavers shall be self-contained, power-propelled units, provided with an internally heated
17 vibratory screed and shall be capable of spreading and finishing courses of HMA plant mix material
18 in lane widths required by the paving section shown in the Plans.
19

20 The HMA paver shall be in good condition and shall have the most current equipment available
21 from the manufacturer for the prevention of segregation of the HMA mixture installed, in good
22 condition, and in working order. The equipment certification shall list the make, model, and year of
23 the paver and any equipment that has been retrofitted.
24

25 The screed shall be operated in accordance with the manufacturer's recommendations and shall
26 effectively produce a finished surface of the required evenness and texture without tearing, shoving,
27 segregating, or gouging the mixture. A copy of the manufacturer's recommendations shall be
28 provided upon request by the Contracting Agency. Extensions will be allowed provided they
29 produce the same results, including ride, density, and surface texture as obtained by the primary
30 screed. Extensions without augers and an internally heated vibratory screed shall not be used in the
31 Traveled Way.
32

33 When specified in the Contract, reference lines for vertical control will be required. Lines shall be
34 placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the
35 reference line will be permitted. The grade and slope for intermediate lanes shall be controlled
36 automatically from reference lines or by means of a mat referencing device and a slope control
37 device. When the finish of the grade prepared for paving is superior to the established tolerances
38 and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and
39 smoothness can best be achieved without the use of the reference line, a mat referencing device
40 may be substituted for the reference line. Substitution of the device will be subject to the continued
41 approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The
42 reference line may be removed after the completion of the first course of HMA when approved by
43 the Engineer. Whenever the Engineer determines that any of these methods are failing to provide
44 the necessary vertical control, the reference lines will be reinstalled by the Contractor.
45

46 The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and accessories
47 necessary for satisfactory operation of the automatic control equipment.
48

1 If the paving machine in use is not providing the required finish, the Engineer may suspend Work as
2 allowed by Section 1-08.6. Any cleaning or solvent type liquids spilled on the pavement shall be
3 thoroughly removed before paving proceeds.
4

5 **(*****)**

6 **5-04.3(3)D Material Transfer Vehicle**

7

8 A Material Transfer Vehicle (MTV) is required for this project. The MTV shall mix the HMA after
9 delivery by the hauling equipment and prior to lay down by the paving machine. Mixing of the HMA
10 shall be sufficient to obtain a uniform temperature throughout the mixture.
11

12 To be approved for use, an MTV:

- 14 1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.
- 15 2. Shall not be connected to the hauling vehicle or paver.
- 16 3. May accept HMA directly from the haul vehicle.
- 17 4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the
18 paving machine.
- 19 5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.
20

21 Direct transfer of the HMA mixture from the hauling equipment to the paving machine will not be
22 allowed. The Contractor shall use a self-propelled material transfer vehicle (MTV) to deliver the
23 HMA mixture from the hauling equipment to the paving machine when placing HMA pavement on
24 travel lanes and shoulders, when shoulders are paved in conjunction with travel lanes. A material
25 transfer vehicle is not required for small quantities such as driveways and is optional for shoulders
26 that are paved separately from the driving lane(s). A windrow elevator is not acceptable as a
27 transfer device.
28

29 The transfer vehicle's holding hopper shall have a minimum capacity of 15 tons. The material
30 transfer vehicle shall mix the HMA after delivery by the hauling equipment but prior to lay down by
31 the paving machine. Mixing of the HMA material shall be sufficient to obtain a consistent
32 temperature throughout the mixture. If a transfer vehicle does not have holding or mixing
33 capabilities, the paving machine shall be fitted with a holding and mixing hopper having a minimum
34 capacity of 15 tons.
35

36 Prior to use, the Contractor shall submit the manufacturer and model number of the equipment to
37 the Engineer for review and approval. All costs to incorporate the material transfer device or
38 vehicle into the paving train shall be included in the unit contract price for the HMA.
39

40 The Contractor shall deliver the mixture to the paving machine at a rate that provides continuous
41 operation of the paving machine, except for unavoidable delay or breakdown. If excessive
42 stopping of the paving machine occurs during paving operations, the Engineer may suspend
43 paving operations until the mixture deliver rate matches the paving machine operation.
44

45 **5-04.3(3)E Rollers**

46 Rollers shall be of the steel wheel, vibratory, oscillatory, or pneumatic tire type, in good condition
47 and capable of reversing without backlash. Operation of the roller shall be in accordance with the
48 manufacturer's recommendations. When ordered by the Engineer for any roller planned for use on

1 the project, the Contractor shall provide a copy of the manufacturer's recommendation for the use
2 of that roller for compaction of HMA. The number and weight of rollers shall be sufficient to compact
3 the mixture in compliance with the requirements of Section 5-04.3(10). The use of equipment that
4 results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard,
5 uneven compaction of the surface, displacement of the mixture or other undesirable results shall
6 not be used.

7 8 **5-04.3(4) Preparation of Existing Paved Surfaces**

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

11
12 Preleveling of uneven or broken surfaces over which HMA is to be placed may be accomplished by
13 using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

14
15 Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require the use
16 of small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging across
17 preleveled areas by the compaction equipment. Equipment used for the compaction of preleveling
18 HMA shall be approved by the Engineer.

19
20 Before construction of HMA on an existing paved surface, the entire surface of the pavement shall
21 be clean. All fatty asphalt patches, grease drippings, and other objectionable matter shall be entirely
22 removed from the existing pavement. All pavements or bituminous surfaces shall be thoroughly
23 cleaned of dust, soil, pavement grindings, and other foreign matter. All holes and small depressions
24 shall be filled with an appropriate class of HMA. The surface of the patched area shall be leveled
25 and compacted thoroughly. Prior to the application of tack coat, or paving, the condition of the
26 surface shall be approved by the Engineer.

27
28 A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is to be
29 placed or abutted; except that tack coat may be omitted from clean, newly paved surfaces at the
30 discretion of the Engineer. Tack coat shall be uniformly applied to cover the existing pavement with
31 a thin film of residual asphalt free of streaks and bare spots at a rate between 0.02 and 0.10 gallons
32 per square yard of retained asphalt. The rate of application shall be approved by the Engineer. A
33 heavy application of tack coat shall be applied to all joints. For Roadways open to traffic, the
34 application of tack coat shall be limited to surfaces that will be paved during the same working shift.
35 The spreading equipment shall be equipped with a thermometer to indicate the temperature of the
36 tack coat material.

37
38 Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the
39 Contractor's operation damages the tack coat it shall be repaired prior to placement of the HMA.

40
41 The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h emulsified
42 asphalt may be diluted once with water at a rate not to exceed one part water to one part emulsified
43 asphalt. The tack coat shall have sufficient temperature such that it may be applied uniformly at the
44 specified rate of application and shall not exceed the maximum temperature recommended by the
45 emulsified asphalt manufacturer.

1 **5-04.3(5) Producing/Stockpiling Aggregates and RAP**
2

3 Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02. Sufficient
4 storage space shall be provided for each size of aggregate and RAP. Materials shall be removed
5 from stockpile(s) in a manner to ensure minimal segregation when being moved to the HMA plant
6 for processing into the final mixture. Different aggregate sizes shall be kept separated until they
7 have been delivered to the HMA plant.
8

9 **5-04.3(5)A Vacant**
10

11 (*****)

12 **5-04.3(6) Mixing**

13 After the required amount of mineral materials, asphalt binder, recycling agent and anti-stripping
14 additives have been introduced into the mixer the HMA shall be mixed until complete and uniform
15 coating of the particles and thorough distribution of the asphalt binder throughout the mineral
16 materials is ensured.
17

18 When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by
19 more than 25°F as shown on the reference mix design report or as approved by the Engineer. A
20 maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water
21 causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of
22 these problems, the moisture content shall be reduced as directed by the Engineer.
23

24 Storing or holding of the HMA in approved storage facilities will be permitted with approval of the
25 Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24
26 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no
27 expense to the Contracting Agency. The storage facility shall have an accessible device located at
28 the top of the cone or about the third point. The device shall indicate the amount of material in
29 storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the
30 top of the cone of the storage facility, except as the storage facility is being emptied at the end of
31 the working shift.
32

33 **Reinforcing Fibers:**

- 34
- 35 1. Delivery & Storage: Deliver fiber-reinforcement to plant in sealed, undamaged
36 containers with labels intact and legible, indicating material name and lot number.
37 Store materials covered and off the ground. Keep sand and dust out of boxes and
38 do not allow boxes to become wet.
39
 - 40 2. Add aramid and polyolefin reinforcing fiber blends at a dosage rate of one (1) pound
41 per one (1) ton of asphalt.
42
 - 43 3. Add alternative aramid fiber blends at a rate proposed by the manufacturer that
44 achieves the ADSR, PCI, and FN results required in Section 5-04.2.
45
 - 46 4. Have a fiber manufacturer's representative on site during mixing and production.
47 This requirement can be waived if fiber manufacturer and asphalt producer can
48 supply evidence of manufacturer's brand of fiber being successfully produced a
49 minimum of three times at the asphalt plant to be used for the project.

5. Batch Plant. When a batch plant is used, add fiber to the aggregate in the weigh hopper and increase both dry and wet mixing times. Ensure that the fiber is uniformly distributed before the injection of asphalt cement into the mixture.
6. Drum Plant:
 - a. Inject fibers through the RAP collar by feeding them with a blower tube system. Rate the feeding of fibers with the rate the plant is producing asphalt mix. If there is any evidence of fiber balls at the discharge chute, increase the mixing time and/or temperature or change the angle of the fiber feeder line to increase dry mixing time.
 - b. When using a blower tube system, add fibers continuously and in a steady uniform manner. Provide automated proportioning devices and control delivery within $\pm 10\%$ of the mass of the fibers required. Perform an equipment calibration to the satisfaction of the fiber manufacturer's representative to show that the fiber is being accurately metered and uniformly distributed into the mix.

Include the following with the blower tube system:

- Low level indicators
- No-flow indicators
- A printout of feed rate status in pounds/minute
- A section of transparent pipe in the fiber supply line for observing consistency of flow or feed.
- Manufacturer's representative's approval of fiber addition system

(*****)

5-04.3(7) Spreading and Finishing

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

HMA Class 1"	0.35 feet
HMA Class $\frac{3}{4}$ " and HMA Class $\frac{1}{2}$ "	
wearing course	0.30 feet
other courses	0.35 feet
HMA Class $\frac{3}{8}$ "	0.20 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, the material produced for each JMF shall be placed by separate spreading and compacting equipment. The intermingling of HMA produced from more than one JMF is prohibited. Each strip of HMA placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

1
2 **5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA**
3

4 For HMA accepted by nonstatistical evaluation the aggregate properties of sand equivalent,
5 uncompacted void content and fracture will be evaluated in accordance with Section 3-04.
6 Sampling and testing of aggregates for HMA accepted by commercial evaluation will be at the
7 option of the Engineer.
8

9 **5-04.3(9) HMA Mixture Acceptance**
10

11 Acceptance of HMA shall be as provided under nonstatistical, or commercial evaluation.
12

13 Nonstatistical evaluation will be used for the acceptance of HMA unless Commercial Evaluation is
14 specified.
15

16 Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the
17 following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel,
18 temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by
19 commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA
20 accepted by commercial evaluation will be at the option of the Engineer.
21

22 The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in
23 the JMF. Any adjustments to the JMF will require the approval of the Engineer and may be made in
24 accordance with this section.
25

26 **Spreading and Finishing**
27 **(*****)**
28

29 The Contractor shall meet with the Engineer or representative by the end of each working day
30 to verify and confirm in writing and by signature the daily yields and quantities.
31

32 If the Contractor fails to follow this procedure, the Contractor accepts the Engineer's
33 estimated quantities for the work completed that day.
34

35 **Overages**

36 The Contractor shall not exceed the negotiated quantity on any section by more than **five**
37 **percent (5%)**, unless directed by the Engineer. Any material placed on each individual
38 section in excess of the five percent shall be at the Contractor's expense.
39

40 This provision shall not relieve the Contractor of his/her responsibility to complete each
41 section in its entirety.
42

43 **Reinforcing Fibers:**
44

- 45 1. Follow manufacturer's representative's recommendations for placement of
46 FRAC.
47 2. Collect a small sample (10-20kg) of mix from the discharge chute during first 50
48 tons of production. If there are one or more undistributed fiber clips or bundles,

adjust mixing operations per manufacturer's recommendations to eliminate fiber bundles.

3. Visually observe FRAC mix in the back of first three trucks and every tenth truck thereafter to confirm adequate blending of the fiber.
4. Remove any observed fiber bundles from placed mixture and adjust operations per the manufacturer's recommendation to eliminate future fiber bundle development.

HMA Tolerances and Adjustments

1. **Job Mix Formula Tolerances** – The constituents of the mixture at the time of acceptance shall be within tolerance. The tolerance limits will be established as follows:

For Asphalt Binder and Air Voids (Va), the acceptance limits are determined by adding the tolerances below to the approved JMF values. These values will also be the Upper Specification Limit (USL) and Lower Specification Limit (LSL) required in Section 1-06.2(2)D2

Property	Non-Statistical Evaluation	Commercial Evaluation
Asphalt Binder	+/- 0.5%	+/- 0.7%
Air Voids, Va	2.5% min. and 5.5% max	N/A

For Aggregates in the mixture:

- a. First, determine preliminary upper and lower acceptance limits by applying the following tolerances to the approved JMF.

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1", ¾", ½", and 3/8" sieves	+/- 6%	+/- 8%
No. 4 sieve	+/-5%	+/- 8%
No. 8 Sieve	+/- 4%	+/-8%
No. 200 sieve	+/- 1.0%	+/- 3.0%

- b. Second, adjust the preliminary upper and lower acceptance limits determined from step (a) the minimum amount necessary so that none of the aggregate properties are outside the control points in Section 9-03.8(6). The resulting values will be the upper and lower acceptance limits for aggregates, as well as the USL and LSL required in Section 1-06.2(2)D2.

2. **Job Mix Formula Adjustments** – An adjustment to the aggregate gradation or asphalt binder content of the JMF requires approval of the Engineer. Adjustments to the JMF will only be considered if the change produces material of equal or better quality and may require the development of a new mix design if the adjustment exceeds the amounts listed below.

- a. **Aggregates** –2 percent for the aggregate passing the 1½", 1", ¾", ½", ⅜", and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).

- b. **Asphalt Binder Content** – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent

5-04.3(9)A Vacant

1 **5-04.3(9)B Vacant**
2

3 **5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation**

4 HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the Contracting
5 Agency by dividing the HMA tonnage into lots.
6

7 **5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots and Sublots**

8 A lot is represented by randomly selected samples of the same mix design that will be tested for
9 acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix
10 Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one day's production
11 or 800 tons, whichever is less except that the final subplot will be a minimum of 400 tons and may be
12 increased to 1200 tons.
13

14 All of the test results obtained from the acceptance samples from a given lot shall be evaluated
15 collectively. If the Contractor requests a change to the JMF that is approved, the material produced
16 after the change will be evaluated on the basis of the new JMF for the remaining sublots in the
17 current lot and for acceptance of subsequent lots. For a lot in progress with a CPF less than 0.75, a
18 new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming
19 to the Specifications can be produced.
20

21 Sampling and testing for evaluation shall be performed on the frequency of one sample per subplot.
22

23 **5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling**

24 Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer.
25 The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance
26 with AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed
27 on a project. If used in a structural application, at least one of the three samples shall to be tested.
28

29 Sampling and testing HMA in a Structural application where quantities are less than 400 tons is at
30 the discretion of the Engineer.
31

32 For HMA used in a structural application and with a total project quantity less than 800 tons but
33 more than 400 tons, a minimum of one acceptance test shall be performed. In all cases, a minimum
34 of 3 samples will be obtained at the point of acceptance, a minimum of one of the three samples will
35 be tested for conformance to the JMF:
36

- 37 • If the test results are found to be within specification requirements, additional testing will be at
38 the Engineer's discretion.
- 39 • If test results are found not to be within specification requirements, additional testing of the
40 remaining samples to determine a Composite Pay Factor (CPF) shall be performed.
41

42 **5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing**

43 Testing of HMA for compliance of V_a will be at the option of the Contracting Agency. If tested,
44 compliance of V_a will use WSDOT SOP 731.
45

46 Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308.
47

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

2
3 **5-04.3(9)C4 Mixture Nonstatistical Evaluation – Pay Factors**

4 For each lot of material falling outside the tolerance limits in 5-04.3(9), the Contracting Agency will
5 determine a Composite Pay Factor (CPF) using the following price adjustment factors:
6

Table of Price Adjustment Factors	
Constituent	Factor "F"
All aggregate passing: 1½", 1", ¾", ½", ⅜" and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids (Va) (where applicable)	20

7
8 Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within
9 the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further
10 evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job
11 Mix Formula shown in Table of Price Adjustment Factors, the lot shall be evaluated in accordance
12 with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be
13 used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three
14 sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested
15 to provide a minimum of three sets of results for evaluation.
16

17 **5-04.3(9)C5 Vacant**

18
19 **5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments**

20 For each lot of HMA mix produced under Nonstatistical Evaluation when the calculated CPF is less
21 than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic
22 difference of CPF minus 1.00 multiplied by 60 percent. The total job mix compliance price
23 adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and
24 the unit Contract price per ton of mix.
25

26 If a constituent is not measured in accordance with these Specifications, its individual pay factor will
27 be considered 1.00 in calculating the Composite Pay Factor (CPF).
28

29 **5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests**

30 The Contractor may request a subplot be retested. To request a retest, the Contractor shall submit a
31 written request within 7 calendar days after the specific test results have been received. A split of
32 the original acceptance sample will be retested. The split of the sample will not be tested with the
33 same tester that ran the original acceptance test. The sample will be tested for a complete
34 gradation analysis, asphalt binder content, and, at the option of the agency, V_a . The results of the
35 retest will be used for the acceptance of the HMA in place of the original subplot sample test results.
36 The cost of testing will be deducted from any monies due or that may come due the Contractor
37 under the Contract at the rate of \$500 per sample.

1
2 **5-04.3 (9)D Mixture Acceptance – Commercial Evaluation**

3 If sampled and tested, HMA produced under Commercial Evaluation and having all constituents
4 falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price
5 with no further evaluation. When one or more constituents fall outside the commercial tolerance
6 limits in the Job Mix Formula shown in 5-04.3(9), the lot shall be evaluated in accordance with
7 Section 1-06.2 to determine the appropriate CPF. The commercial tolerance limits will be used in
8 the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist,
9 backup samples of the existing sublots or samples from the street shall be tested to provide a
10 minimum of three sets of results for evaluation.
11

12 For each lot of HMA mix produced and tested under Commercial Evaluation when the calculated
13 CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals
14 the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price
15 Adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons,
16 and the unit Contract price per ton of mix.
17

18 If a constituent is not measured in accordance with these Specifications, its individual pay factor will
19 be considered 1.00 in calculating the Composite Pay Factor (CPF).
20

21 **5-04.3(10) HMA Compaction Acceptance**

22 HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for
23 intersections, ramps, truck climbing, weaving, and speed change, and having a specified
24 compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of
25 relative density. The specified level of relative density shall be a Composite Pay Factor (CPF) of not
26 less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of
27 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP
28 for AASHTO T 729. The specified level of density attained will be determined by the evaluation of
29 the density of the pavement. The density of the pavement shall be determined in accordance with
30 WSDOT FOP for ASSHTO T 355, except that gauge correlation will be at the discretion of the
31 Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to
32 determine density.
33

34 Tests for the determination of the pavement density will be taken in accordance with the required
35 procedures for measurement by a nuclear density gauge or roadway cores after completion of the
36 finish rolling.
37

38 If the Contracting Agency uses a nuclear density gauge to determine density the test procedures
39 WSDOT FOP for ASSHTO T 355 and WSDOT SOP T 729 will be used on the day the mix is placed
40 and prior to opening to traffic.
41

42 Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in
43 accordance with WSDOT SOP 734. The core diameter shall be 4-inches minimum, unless
44 otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in
45 accordance with WSDOT FOP for AASHTO T 166.
46

47 If the Contract includes the Bid item "Roadway Core" the cores shall be obtained by the Contractor
48 in the presence of the Engineer on the same day the mix is placed and at locations designated by

1 the Engineer. If the Contract does not include the Bid item "Roadway Core" the Contracting Agency
2 will obtain the cores.
3

4 For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after
5 the Engineer is satisfied that material conforming to the Specifications can be produced.
6

7 HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than
8 those listed above shall be compacted on the basis of a test point evaluation of the compaction
9 train. The test point evaluation shall be performed in accordance with instructions from the
10 Engineer. The number of passes with an approved compaction train, required to attain the
11 maximum test point density, shall be used on all subsequent paving.
12

13 HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting
14 shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.
15

16 **Test Results**

17 For a subplot that has been tested with a nuclear density gauge that did not meet the minimum of 92
18 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus
19 subject to a price reduction or rejection, the Contractor may request that a core be used for
20 determination of the relative density of the subplot. The relative density of the core will replace the
21 relative density determined by the nuclear density gauge for the subplot and will be used for
22 calculation of the CPF and acceptance of HMA compaction lot.
23

24 When cores are taken by the Contracting Agency at the request of the Contractor, they shall be
25 requested by noon of the next workday after the test results for the subplot have been provided or
26 made available to the Contractor. Core locations shall be outside of wheel paths and as determined
27 by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer.
28 Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request
29 for cores. When the CPF for the lot based on the results of the HMA cores is less than 1.00, the
30 cost for the coring will be deducted from any monies due or that may become due the Contractor
31 under the Contract at the rate of \$200 per core and the Contractor shall pay for the cost of the traffic
32 control.
33

34 **5-04.3(10)A HMA Compaction – General Compaction Requirements**

35 Compaction shall take place when the mixture is in the proper condition so that no undue
36 displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall
37 be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated,
38 shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced
39 with new hot mix that shall be immediately compacted to conform to the surrounding area.
40

41 The type of rollers to be used and their relative position in the compaction sequence shall generally
42 be the Contractor's option, provided the specified densities are attained. Unless the Engineer has
43 approved otherwise, rollers shall only be operated in the static mode when the internal temperature
44 of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a
45 mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode
46 on bridge decks.
47

1 **5-04.3(10)B HMA Compaction – Cyclic Density**

2 Low cyclic density areas are defined as spots or streaks in the pavement that are less than 90
3 percent of the theoretical maximum density. At the Engineer’s discretion, the Engineer may
4 evaluate the HMA pavement for low cyclic density, and when doing so will follow WSDOT SOP 733.
5 A \$500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more
6 density readings below 90 percent of the theoretical maximum density.

7
8 **5-04.3(10)C Vacant**

9
10 **5-04.3(10)D HMA Nonstatistical Compaction**

11
12 **5-04.3(10)D1 HMA Nonstatistical Compaction – Lots and Sublots**

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

15
16 A lot is represented by randomly selected samples of the same mix design that will be tested for
17 acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix
18 Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one day’s production
19 or 400 tons, whichever is less except that the final subplot will be a minimum of 200 tons and may be
20 increased to 800 tons. Testing for compaction will be at the rate of 5 tests per subplot per WSDOT T
21 738. The compaction test locations will be determined by the Engineer in accordance with WSDOT
22 Test Method T 716.

23
24 The subplot locations within each density lot will be determined by the Engineer. For a lot in progress
25 with a CPF less than 0.75, a new lot will begin at the Contractor’s request after the Engineer is
26 satisfied that material conforming to the Specifications can be produced.

27
28 HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than
29 those listed above shall be compacted on the basis of a test point evaluation of the compaction
30 train. The test point evaluation shall be performed in accordance with instructions from the
31 Engineer. The number of passes with an approved compaction train, required to attain the
32 maximum test point density, shall be used on all subsequent paving.

33
34 HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel ruts shall
35 be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

36
37 **5-04.3(10)D2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing**

38 The location of the HMA compaction acceptance tests will be randomly selected by the Engineer
39 from within each subplot, with one test per subplot. The Contracting Agency will determine the
40 random sample location using WSDOT Test Method T 716.

41
42 **5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments**

43 For each compaction lot with one or two sublots, having all sublots attain a relative density that is
44 92 percent of the reference maximum density the HMA shall be accepted at the unit Contract price
45 with no further evaluation. When a subplot does not attain a relative density that is 92 percent of the
46 reference maximum density, the lot shall be evaluated in accordance with Section 1-06.2 to
47 determine the appropriate CPF. The maximum CPF shall be 1.00, however, lots with a calculated
48 CPF in excess of 1.00 will be used to offset lots with CPF values below 1.00 but greater than 0.90.

1 Lots with CPF lower than 0.90 will be evaluated for compliance per 5-04.3(11). Additional testing by
2 either a nuclear moisture-density gauge or cores will be completed as required to provide a
3 minimum of three tests for evaluation.
4

5 For compaction below the required 92% a Non-Conforming Compaction Factor (NCCF) will be
6 determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent.
7 The Compaction Price Adjustment will be calculated as the product of CPF, the quantity of HMA in
8 the compaction control lot in tons, and the unit Contract price per ton of mix.
9

10 **5-04.3(11) Reject Work**

11 **5-04.3(11)A Reject Work General**

12 Work that is defective or does not conform to Contract requirements shall be rejected. The
13 Contractor may propose, in writing, alternatives to removal and replacement of rejected material.
14 Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer.
15 HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this
16 specification, and the Contractor shall submit a corrective action proposal to the Engineer for
17 approval.
18

19 **5-04.3(11)B Rejection by Contractor**

20 The Contractor may, prior to sampling, elect to remove any defective material and replace it with
21 new material. Any such new material will be sampled, tested, and evaluated for acceptance.
22
23

24 **5-04.3(11)C Rejection Without Testing (Mixture or Compaction)**

25 The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears
26 defective. Material rejected before placement shall not be incorporated into the pavement. Any
27 rejected section of Roadway shall be removed.
28

29 No payment will be made for the rejected materials or the removal of the materials unless the
30 Contractor requests that the rejected material be tested. If the Contractor elects to have the rejected
31 material tested, a minimum of three representative samples will be obtained and tested.
32 Acceptance of rejected material will be based on conformance with the nonstatistical acceptance
33 Specification. If the CPF for the rejected material is less than 0.75, no payment will be made for the
34 rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If
35 the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the
36 Contracting Agency. If the material is rejected before placement and the CPF is greater than or
37 equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs
38 after placement and the CPF is greater than or equal to 0.75, compensation for the rejected
39 material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added
40 for the cost of removal and disposal.
41

42 **5-04.3(11)D Rejection - A Partial Sublot**

43 In addition to the random acceptance sampling and testing, the Engineer may also isolate from a
44 normal sublot any material that is suspected of being defective in relative density, gradation or
45 asphalt binder content. Such isolated material will not include an original sample location. A
46 minimum of three random samples of the suspect material will be obtained and tested. The material
47 will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).
48

1 **5-04.3(11)E Rejection - An Entire Sublot**

2 An entire sublot that is suspected of being defective may be rejected. When a sublot is rejected a
3 minimum of two additional random samples from this sublot will be obtained. These additional
4 samples and the original sublot will be evaluated as an independent lot in accordance with Section
5 1-06.2(2).
6

7 **5-04.3(11)F Rejection - A Lot in Progress**

8 The Contractor shall shut down operations and shall not resume HMA placement until such time as
9 the Engineer is satisfied that material conforming to the Specifications can be produced:
10

- 11 1. When the Composite Pay Factor (CPF) of a lot in progress drops below 1.00 and the
12 Contractor is taking no corrective action, or
- 13 2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the
14 Contractor is taking no corrective action, or
- 15 3. When either the PFi for any constituent or the CPF of a lot in progress is less than 0.75.
16

17 **5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)**

18 An entire lot with a CPF of less than 0.75 will be rejected.
19

20 **5-04.3(12) Joints**

21 **5-04.3(12)A HMA Joints**

22 **5-04.3(12)A1 Transverse Joints**

23 The Contractor shall conduct operations such that the placing of the top or wearing course is a
24 continuous operation or as close to continuous as possible. Unscheduled transverse joints will be
25 allowed and the roller may pass over the unprotected end of the freshly laid mixture only when the
26 placement of the course must be discontinued for such a length of time that the mixture will cool
27 below compaction temperature. When the Work is resumed, the previously compacted mixture shall
28 be cut back to produce a slightly beveled edge for the full thickness of the course.
29
30

31
32 A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint
33 as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be
34 separated from the permanent HMA by strips of heavy wrapping paper or other methods approved
35 by the Engineer. The wrapping paper shall be removed and the joint trimmed to a slightly beveled
36 edge for the full thickness of the course prior to resumption of paving.
37

38 The material that is cut away shall be wasted and new mix shall be laid against the cut. Rollers or
39 tamping irons shall be used to seal the joint.
40

41 **5-04.3(12)A2 Longitudinal Joints**

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

1 slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be
2 uniformly compacted.

3 4 **5-04.3(13) Surface Smoothness**

5 The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and
6 grade, and free from defects of all kinds. The completed surface of the wearing course shall not
7 vary more than $\frac{1}{8}$ inch from the lower edge of a 10-foot straightedge placed on the surface parallel
8 to the centerline. The transverse slope of the completed surface of the wearing course shall vary
9 not more than $\frac{1}{4}$ inch in 10 feet from the rate of transverse slope shown in the Plans.

10
11 When deviations in excess of the above tolerances are found that result from a high place in the
12 HMA, the pavement surface shall be corrected by one of the following methods:

- 13
- 14 1. Removal of material from high places by grinding with an approved grinding machine, or
- 15 2. Removal and replacement of the wearing course of HMA, or
- 16 3. By other method approved by the Engineer.
- 17

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

20
21 Deviations in excess of the above tolerances that result from a low place in the HMA and deviations
22 resulting from a high place where corrective action, in the opinion of the Engineer, will not produce
23 satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies
24 due or that may become due to the Contractor the sum of \$500.00 for each and every section of
25 single traffic lane 100 feet in length in which any excessive deviations described above are found.

26
27 When utility appurtenances such as manhole covers and valve boxes are located in the traveled
28 way, the utility appurtenances shall be adjusted to the finished grade prior to paving. This
29 requirement may be waived when requested by the Contractor, at the discretion of the Engineer or
30 when the adjustment details provided in the project plan or specifications call for utility
31 appurtenance adjustments after the completion of paving.

32
33 Utility appurtenance adjustment discussions will be included in the Pre-Paving planning (5-
34 04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the start of
35 paving.

36 37 **5-04.3(14)B Paving and Planing Under Traffic**

38 39 **5-04.3(14)B1 General**

40 In addition the requirements of Section 1-07.23 and the traffic controls required in Section 1-10, and
41 unless the Contract specifies otherwise or the Engineer approves, the Contractor must comply with
42 the following:

- 43
- 44 1. Intersections:
 - 45 a. Keep intersections open to traffic at all times, except when paving or planing operations
46 through an intersection requires closure. Such closure must be kept to the minimum time
47 required to place and compact the HMA mixture, or plane as appropriate. For paving,

1 schedule such closure to individual lanes or portions thereof that allows the traffic volumes
2 and schedule of traffic volumes required in the approved traffic control plan. Schedule work
3 so that adjacent intersections are not impacted at the same time and comply with the traffic
4 control restrictions required by the Traffic Engineer. Each individual intersection closure or
5 partial closure, must be addressed in the traffic control plan, which must be submitted to
6 and accepted by the Engineer, see Section 1-10.2(2).

- 7 b. When planing or paving and related construction must occur in an intersection, consider
8 scheduling and sequencing such work into quarters of the intersection, or half or more of an
9 intersection with side street detours. Be prepared to sequence the work to individual lanes
10 or portions thereof.
 - 11 c. Should closure of the intersection in its entirety be necessary, and no trolley service is
12 impacted, keep such closure to the minimum time required to place and compact the HMA
13 mixture, plane, remove asphalt, tack coat, and as needed.
 - 14 d. Any work in an intersection requires advance warning in both signage and a number of
15 Working Days advance notice as determined by the Engineer, to alert traffic and
16 emergency services of the intersection closure or partial closure.
 - 17 e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is
18 allowed on it. Traffic is not allowed on newly placed asphalt until approval has been
19 obtained from the Engineer.
- 20 2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and
21 maintaining temporary pavement marking must comply with Section 8-23.
 - 22 3. Permanent pavement marking must comply with Section 8-22.

23 24 **5-04.3(14)B2 Submittals – Planing Plan and HMA Paving Plan**

25 The Contractor must submit a separate planing plan and a separate paving plan to the Engineer at
26 least 5 Working Days in advance of each operation's activity start date. These plans must show
27 how the moving operation and traffic control are coordinated, as they will be discussed at the pre-
28 planing briefing and pre-paving briefing. When requested by the Engineer, the Contractor must
29 provide each operation's traffic control plan on 24 x 36 inch or larger size Shop Drawings with a
30 scale showing both the area of operation and sufficient detail of traffic beyond the area of operation
31 where detour traffic may be required. The scale on the Shop Drawings is 1 inch = 20 feet, which
32 may be changed if the Engineer agrees sufficient detail is shown.

33
34 The planing operation and the paving operation include, but are not limited to, metal detection,
35 removal of asphalt and temporary asphalt of any kind, tack coat and drying, staging of supply
36 trucks, paving trains, rolling, scheduling, and as may be discussed at the briefing.

37
38 When intersections will be partially or totally blocked, provide adequately sized and noticeable
39 signage alerting traffic of closures to come, a minimum 2 Working Days in advance. The traffic
40 control plan must show where police officers will be stationed when signalization is or may be,
41 countermanded, and show areas where flaggers are proposed.

42
43 At a minimum, the planing and the paving plan must include:

- 44
45 1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic
46 control as it relates to the specific requirements of that day's planing and paving. Briefly
47 describe the sequencing of traffic control consistent with the proposed planing and paving

- 1 sequence, and scheduling of placement of temporary pavement markings and channelizing
2 devices after each day's planing, and paving.
- 3 2. A copy of each intersection's traffic control plan.
- 4 3. Haul routes from Supplier facilities, and locations of temporary parking and staging areas,
5 including return routes. Describe the complete round trip as it relates to the sequencing of
6 paving operations.
- 7 4. Names and locations of HMA Supplier facilities to be used.
- 8 5. List of all equipment to be used for paving.
- 9 6. List of personnel and associated job classification assigned to each piece of paving
10 equipment.
- 11 7. Description (geometric or narrative) of the scheduled sequence of planing and of paving,
12 and intended area of planing and of paving for each day's work, must include the directions
13 of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence
14 of skipped lane paving, intersection planing and paving scheduling and sequencing, and
15 proposed notifications and coordinations to be timely made. The plan must show HMA joints
16 relative to the final pavement marking lane lines.
- 17 8. Names, job titles, and contact information for field, office, and plant supervisory personnel.
- 18 9. A copy of the approved Mix Designs.
- 19 10. Tonnage of HMA to be placed each day.
- 20 11. Approximate times and days for starting and ending daily operations.
- 21

22 **5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing**

23 At least 2 Working Days before the first paving operation and the first planing operation, or as
24 scheduled by the Engineer for future paving and planing operations to ensure the Contractor has
25 adequately prepared for notifying and coordinating as required in the Contract, the Contractor must
26 be prepared to discuss that day's operations as they relate to other entities and to public safety and
27 convenience, including driveway and business access, garbage truck operations, Metro transit
28 operations and working around energized overhead wires, school and nursing home and hospital
29 and other accesses, other contractors who may be operating in the area, pedestrian and bicycle
30 traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's
31 operations, must meet with the Engineer and discuss the proposed operation as it relates to the
32 submitted planing plan and paving plan, approved traffic control plan, and public convenience and
33 safety. Such discussion includes, but is not limited to:

- 34
- 35 1. General for both Paving Plan and for Planing Plan:
 - 36 a. The actual times of starting and ending daily operations.
 - 37 b. In intersections, how to break up the intersection, and address traffic control and
38 signalization for that operation, including use of peace officers.
 - 39 c. The sequencing and scheduling of paving operations and of planing operations, as
40 applicable, as it relates to traffic control, to public convenience and safety, and to other
41 contractors who may operate in the Project Site.
 - 42 d. Notifications required of Contractor activities, and coordinating with other entities and the
43 public as necessary.
 - 44 e. Description of the sequencing of installation and types of temporary pavement markings
45 as it relates to planning and to paving.
 - 46 f. Description of the sequencing of installation of, and the removal of, temporary pavement
47 patch material around exposed castings and as may be needed

- g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, street car rail, and castings, before planning, see Section 5-04.3(14)B2.
- h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
- i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
- j. Other items the Engineer deems necessary to address.

2. Paving – additional topics:

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

(*****)

5-04.4 Measurement

“HMA Class 3/8 In. PG 58H-22 Fiber Reinforced” per Ton.

(*****)

5-04.5 Payment

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

“HMA Class 3/8 In. PG 58H-22 Fiber Reinforced” per Ton.

The unit contract price per ton for “HMA Class 3/8 In. PG 58H-22 Fiber Reinforced” shall be full compensation for all costs, including paving reinforcing fiber, anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

(*****)

5-04.5(1) Quality Assurance Price Adjustment

In the event that test results indicate the HMA does not meet specifications, a change order will be issued for the price adjustments for Quality of HMA Mixture and Quality of HMA Compaction based upon these specifications.

(*****)

5-04.5(1)B Price Adjustments for Quality of HMA Compaction

The maximum CPF of a compaction lot is 1.00.

1
2 For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction
3 Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus 1.00
4 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of the
5 NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix.

6
7 (*****)

8 The CPF shall be as follows:

9 10 <u>Compaction</u>	10 <u>CPF</u>
11 91.0% to 91.9%	11 95%
12 90.0% to 90.9%	12 90%
13 89.0% to 89.9%	13 80%
14 88.0% to 88.9%	14 75%
15 At or below 87.9%	15 Mix is removed

16
17
18 **DIVISION 7**
19 **DRAINAGE STRUCTURES, STORM SEWERS,**
20 **SANITARY SEWERS, WATER MAINS, AND CONDUITS**
21

22 **7-02 CULVERTS**

23
24 **7-02.2 Materials**

25 Section 7-02.2 is supplemented with the following:

26
27 (*****)

28 **Split Box Culvert**

29
30 Portland cement shall conform to Section 9-01.

31
32 Steel reinforcing bar, wire, and mesh shall conform to Section 9-07.

33
34 Concrete curing materials and admixtures shall conform to Section 9-23.

35
36 Water shall conform to Section 9-25.1.

37
38 Grout shall conform to Manufacturer's recommendations.

39
40 **7-02.3 Construction Requirements**

41 Section 7-02.3 is supplemented with the following:

42
43 **7-02.3(6) Precast Reinf. Conc. Three Sided Structures, Box Culverts and Split Box Culverts**

44 Section 7-02.3(6) is supplemented with the following:

45
46 (*****)

47 **Split Box Culvert**

48 **Design Criteria**

49 The Contractor shall design the precast reinforced concrete split box culvert including all
50 precast reinforced concrete attachments to the box culverts such as wingwalls, in accordance
51 with the AASHTO Standard Specifications for Highway Bridges, 17th Edition – 2002, Chapters
52 6 and 16, load factor design method. The box culvert structures shall support an AASHTO
53 HL-93 loading with a maximum soil bearing pressure of 3,000 pounds per square foot.

1 Precast units shall be connected using weld ties at 6-foot on center maximum or an approved
2 equivalent. The culvert design shall incorporate an attachment method for guardrail via
3 WSDOT Standard Plan C-20.41-02 or an alternate method approved by Lewis County.
4 Guardrail attachments shall be capable of supporting TL-2 (35 MPH speed limit).

5 **Submittals**

6 The Contractor shall submit two sets of shop drawings for culvert and shall be stamped and
7 certified by a Civil Engineer licensed in the State of Washington for approval prior to
8 Fabrication. Stamped Plans shall be provided to Lewis County within thirty working days of
9 contract award. Plans shall include connection details, lifting details, assembly, and installation
10 details, with two sets of supporting design calculations, to the Engineer in accordance with
11 Sections 6-01.9 and 6-02.3(28)A. In addition to items 1 through 6 under the Section 6-
12 02.3(28)A requirements for shop drawing content, the following shop drawing details shall also
13 be submitted:
14

- 15 1. Erection and backfill procedure.
- 16 2. Complete, site specific, itemized bar list for all reinforcing steel.

17 **Culvert Section Fabrication**

18 The Manufacturer shall determine concrete wall/top/bottom thickness, split-box culvert
19 dimensions/configuration and wingwall design to achieve interior culvert dimensions and
20 required wingwall limits depicted in the Contract Plans. Plans depict estimated wall
21 thicknesses, footing dimensions, etc. Note, proposed concrete split-box culvert base units
22 shall incorporate interior side heights as depicted to allow placement of streambed material
23 prior to placing top units.
24

25 The Contractor shall fabricate the precast elements of the precast reinforced concrete split
26 box culvert (consisting of "U" shaped base elements with "lid" panels and staggered base and
27 lid joints as shown in the Plans) in accordance with Section 6-02.3(28), and the shop drawings
28 as approved by the Engineer.
29

30 Notification shall be given to Lewis County Public Works at least seven working days in
31 advance of beginning fabrication of the precast elements for this project.
32

33 The Contractor shall not pick, move, and store the precast reinforced concrete split box culvert
34 elements in the cast position until the concrete reaches a minimum compressive strength
35 equal to the final design strength specified in the shop drawing and design calculation
36 submittal.
37

38 Prior to shipping, the precast reinforced concrete split box culvert fabricator shall furnish the
39 Inspector a complete documentation package for each culvert component. The
40 documentation package shall include the following information for each culvert component:
41

- 42 1. Concrete batch tickets
- 43 2. Concrete cylinder break results.
- 44 3. Material certifications.
- 45 4. Copies of all changes from the Plans and Specifications.

1 The following information shall be legibly and permanently marked on one inside face of each
2 "U" shaped element by indentation, waterproof paint, or other means approved by the
3 Engineer:

- 4
- 5 1. Box section span and rise dimensions, minimum and maximum design earth cover
6 dimensions, and an AASHTO HL-93 loading.
- 7
- 8 2. Date of fabrication.
- 9
- 10 3. Name or trademark of the fabricator.
- 11

12 **Culvert Erection**

13 The Contractor shall erect and backfill precast reinforced concrete split box culverts in
14 accordance with the erection sequence specified in the shop drawings as approved by the
15 Engineer, and construction equipment shall not be placed on the structure until grout has
16 attained a minimum compressive strength of 2,500 psi.

17 **7-02.4 Measurement**

18 Section 7-02.4 is supplemented with the following:

19 (April 2, 2007)

20 "Precast Reinf. Conc. Split Box Culvert" shall not be measured.

21 **7-02.5 Payment**

22 Section 7-02.5 is supplemented with the following:

23 (April 2, 2007)

24 "Precast Reinf. Conc. Split Box Culvert", lump sum.

25 The lump sum contract price for "Precast Reinf. Conc. Split Box Culvert". The 20-ft Span x 8-ft
26 Rise x 40-ft Long, that includes four wingwalls shall be full pay for performing the work as
27 specified, including designing, fabricating, delivery, erecting, weld ties, and grouting the precast
28 concrete elements for the culvert. See culvert / wingwall dimensions on Contract Plan Sht. 6 of 12.

33 **DIVISION 8**

34 **MISCELLANEOUS CONSTRUCTION**

35 **8-01, EROSION CONTROL AND WATER POLLUTION CONTROL**

36 **8-01.3 Construction Requirements**

37 Section 8-01.3 is supplemented with the following:

38 **8-01.3(2) Seeding, Fertilizing, and Mulching**

39 **8-01.3(2)B Seeding and Fertilizing**

40 (*****)

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

1 Seed Mix - Roadside: Grass seed, of the following composition, proportion, and quality shall be
2 applied at the rate of ***80 *** pounds of pure live seed per acre on all areas requiring permanent
3 roadside seeding within the project limits.
4

5 Kind and Variety of 6 Seed in Mixture by 7 Common Name and 8 <u>(Botanical name)</u>	Pounds Pure Live Seed (PLS) Per Acre
9 10 Deschampsia elongata 11 Slender Hairgrass	5.88
12 13 <i>Elymus glaucus</i> 14 Blue Wildrye	39
15 16 Festuca idahonesis 17 Idaho Fescue	12.74
18 19 <i>Festuca ovina</i> 20 Sheep Fescue	4.21
21 22 <i>Hordeum brachyantherum</i> 23 Meadow Barley	16.86
24 25 <i>Koeler cristata</i> 26 Prairie Junegrass	1.31
27 28 Total Pounds PLS Per Acre	80

29
30 After seeding the Contractor shall be responsible to ensure a healthy stand of grass, otherwise, the
31 Contractor shall, restore eroded areas, clean up materials, and reapply the seed, at no cost to the
32 Contracting Agency.
33

34 Seeds shall be certified "Weed Free," indicating there are no noxious or nuisance weeds in the
35 seed.
36

37 **8-01.3(2)D Mulching**

38 (*****)

39 Section 8-01.3(2)D is supplemented with the following:
40

41 Long-Term Wood Cellulose Fiber mulch shall be applied at a rate of 4,000 pounds per acre with all
42 permanent seed mixes and shall conform to Section 9-14.4(2)A Long-Term Mulch of the Standard
43 Specifications. No more than 2,000 pounds shall be applied in any single lift.
44

45 **8-01.3(2)E Tackifiers**

46 (*****)

47 Section 8-01.3(2)E is supplemented with the following:
48

49 PAM shall be added to seed mixes at the time of hydraulic application. Application rates and
50 methods shall conform to Section 8-01.3(2)E of the Standard Specifications.
51

52 **8-01.5 Payment**

1 (*****)

2 Section 8-01.5 is supplemented with the following:

3
4 The unit contract price per Linear Foot (L.F.) for “High Visibility Silt Fence” shall be full pay for
5 all cost to obtain, install, maintain, and remove the fence as specified. Once removed, the
6 fencing shall remain the property of the Contractor.

7
8 The unit contract price per Acre for “Seeding and Mulching” shall be full pay for furnishing and
9 installing the specified seed mix, mulch, and PAM, chemical weed and grass control/removal
10 immediately prior to seeding to produce the specified surface conditions, scarification of
11 compacted areas, minor filling of ruts, and all material and equipment necessary and incidental
12 to the approved application of the specified seed.

13
14 **8-02 ROADSIDE RESTORATION**

15
16 **8-02.1 Description**

17 Section 8-02.1 is supplemented with the following:

18 (*****)

19
20 The work described in this section, regardless of the nature or type of the materials encountered,
21 includes supplying plant material, planting, installing plant protectors, installing weed barrier mats
22 (at tree and shrub locations) and installing identification stakes as shown in the Contract Plans,
23 marked in the field, and as directed by the Engineer. This work shall be accomplished in
24 accordance with all environmental permits regulating the work.

25
26 **8-02.3 Construction Requirements**

27 Section 8-02.3 is supplemented with the following:

28 (*****)

29
30 **PLANTING MITIGATION CONSTRUCTION**

31
32 The Contractor shall grade, plant, and otherwise construct mitigated planting areas as shown in
33 the Contract Plans, marked in the field, and required by the Engineer. The planting of the
34 enhancement sites shall be performed by a biologist, horticulturist, landscape architect or other
35 similar professional. The credentials of the supervisor of this work shall be approved by the
36 Engineer prior to beginning work on this item.

37
38 The work described in this section, regardless of the nature or type of the materials encountered,
39 includes site preparation, seeding, planting, mulching, and installation of bark mulch rings as
40 outlined Section 8-01 and 8.02 of these Special Provision.

41
42 **Planting Zones**

43 Planting zones shall be as follows:

44
45 **See sheet 12 of 12 of the Contract Plans**

46
47 **Plant Establishment**

48 (*****)

1 The Contractor shall provide a one-year plant guarantee period from the date of final acceptance,
2 in accordance with performance standards of local, state and federal permits. At the end of the
3 one-year guarantee period, all dead and unacceptable plant materials shall be replaced by the
4 Contractor at the Contractor's expense. The Contractor shall provide maintenance and monitoring
5 efforts during the guarantee period.
6

7 All shrubs and trees shall be marked with a monitoring stake. Monitoring stakes shall be installed
8 to a depth of 18 inches. Monitoring stakes shall be two to three feet above grade. The top six
9 inches of the monitoring stakes shall be painted and color coded to species. The Contractor shall
10 provide a color coding for stakes for each plant type to the Engineer, to aid in identification of dead
11 and/or missing species
12

13 (*****)

14 Plant Protectors shall be placed around all tree and shrub species to be planted with the exception
15 of *Symphoricarpos albus* (snowberry). Plant protectors shall be made of solid flexible plastic and
16 should be held in place with bamboo or wood stakes. Plant protectors shall be installed to a depth
17 of three inches below the soil surface and extend nine to twelve inches above the surface. Stakes
18 should extend a minimum two inches below and minimum two inches above the plant protector
19 and be placed 2 to 3 inches away from the plant. Plant protectors shall be secured to stakes with
20 a minimum of two zip ties or equivalent.
21

22 **8-02.3(11) Bark or Wood Chip Mulch**

23 Section 8-02.3(11) is supplemented with the following:
24

25 (*****)

26 After hydro-seeding place Bark mulch rings not to exceed 3 foot (ft) diameter, a minimum
27 depth of 3 inches. Pull bark mulch back 3 inches from base of plants.
28

29 Bark mulch shall meet the requirements of Section 9-14.4(3).
30

31 **8-02.4 Measurement**

32 Section 8-02.4 is supplemented with the following:
33

34 (*****)

35 "Planting Mitigation Construction", no specific unit of measure will apply to this lump sum item.
36 Items specified are approximate and are provided for estimating purposes only. The successful
37 Contractor shall provide the Contracting Agency a lump sum breakdown of all items after bid
38 award.
39

40 **8-02.5 Payment**

41 Section 8-02.5 is supplemented with the following:
42

43 "Planting Mitigation Construction"

44 The unit contract price per Lump Sum for "Planting Mitigation Construction" shall be full
45 compensation for replacing soil to the Contract Plan details in the Detour Road, furnishing and
46 installing all plants, Bark mulch rings - as described in Special Provisions Section 8-01 and Section
47 8-02. Material descriptions and construction requirements are as described in this Special
48 Provision and Sections 8-01, 8-02 of the Special Provisions and as shown in the Contract Plans.
49 The long term monitoring and maintenance (after one-year plant guarantee period) shall be
50 completed by others.
51

52 **8-11, GUARDRAIL**

Snyder Rd MP 0.20 Culvert Replacement Project
SM 90-15F721210020

FEMA No. PA-10-WA-4253-PW-00112

1
2 **8-11.3 Construction Requirements**

3
4 **8-11.3(1) Beam Guardrail**

5 Section 8-11.3(1) is supplemented with the following:

6
7 (*****)

8 This project shall incorporate only galvanized steel guardrail posts. Guardrail outside the box
9 culvert shall incorporate 8-foot galvanized steel guardrail posts. Guardrail over the culvert shall
10 incorporate an attachment method for guardrail via WSDOT Standard Plan C-20.41-02 or an
11 alternate method approved by Lewis County. Guardrail attachments shall be capable of
12 supporting TL-2 (35 MPH speed limit) minimum.

13
14 **8-11.4 Measurement**

15 Section 8-11.4 is supplemented with the following:

16
17 (*****)

18 “Beam Guardrail Type 31” per linear foot shall include all beam guardrail associated with this project
19 including 6-foot posts, 8-foot posts, and all components (steel posts, base plates, threaded rod resin
20 bonded into culvert, welding, galvanizing, etc.) necessary to attach guardrail to the culvert via WSDOT
21 Standard Plan C-20.41-02.

22
23 **8-11.5 Payment**

24 Section 8-11.5 is supplemented with the following:

25
26 (*****)

27 “Beam Guardrail Type 31” per linear foot. The per linear foot price for “Beam Guardrail Type 31 shall
28 include all material, labor and equipment required to construct guardrail associated with this project
29 including 6-foot posts, 8-foot posts, and all components (steel posts, base plates, threaded rod resin
30 bonded into culvert, welding, galvanizing, etc.) necessary to attach guardrail to the culvert per WSDOT
31 Standard Plan C-20.41-02.

32
33
34 **8-15 RIPRAP**

35 **8-15.2 Materials**

36 (*****)

37 Section 8-15.1 is supplemented with the following:

38 Streambed Boulder, One-Man 9-03.11(3)

39 Streambed Sediment 9-03.11(1)

40 Streambed Cobbles 9-03.11(2)

41
42
43
44 **8-15.3 Construction Requirements**

45 (*****)

46 Section 8-15.3 is supplemented with the following:

47
48 **Streambed Mix**

49 Streambed Mix (1 part One-Man Boulders, 2 parts 6 in. Streambed Cobbles and 2 parts
50 Streambed Sediment) shall be mixed at the rock pit or on-site per the ratios stipulated in the Plans
51
52

1 and as directed by the Engineer. Place Streambed Mix in the stream channel and culvert as
2 profiled and detailed in the Plans. Compact and water until firm and stable in 12-inch maximum
3 lifts. Additional Streambed Sediment shall be placed on top of the Streambed Mix to provide
4 stability to the streambed mix and be placed in area of voids and watered to create a uniform, non-
5 porous bed. One-Man boulders may be placed individually with the remaining streambed mix
6 placed around boulders. Larger rocks of the streambed mix shall be placed towards the outside of
7 the culvert and stream channel to retain the stream's trapezoidal shape, as directed by the
8 Engineer.

9 10 **8-15.4 Measurement**

11 (*****)

12 Section 8-15.4 is supplemented with the following:

13
14 "Streambed Mix" will be measured per Ton. The provisions of Section 1-04.6 Variation in
15 Estimated Quantities does not apply to this bid item.

16 17 **8-15.5 Payment**

18 (*****)

19 Section 8-15.5 is supplemented with the following:

20
21 "Streambed Mix" per Ton.
22 The Unit Price "Streambed Mix" shall be full pay for the Work described in this Section
23 including excavation, backfilling, watering and compaction.

24 25 **8-23 TEMPORARY PAVEMENT MARKINGS**

26 27 **8-23.4 Measurement**

28 (*****)

29 Section 8-23.4 is revised to read:

30
31 No measurement will be made for Temporary Pavement Markings.

32 33 **8-23.5 Payment**

34 (*****)

35 Section 8-23.5 is revised to read:

36
37 All costs for furnishing, installing, maintaining, and removing Temporary Pavement Markings
38 shall be included in the cost of HMA Class 3/8" PG 58H-22 Fiber Reinforced.

39 40 **DIVISION 9** 41 **MATERIALS**

42
43 (*****)

44 **SECTION 9-02, BITUMINOUS MATERIALS**

45 46 **9-02.1 Asphalt Material, General**

47 The second paragraph is revised to read:

48
49 The Asphalt Supplier of Performance Graded (PG) asphalt binder and emulsified asphalt shall
50 have a Quality Control Plan (QCP) in accordance with WSDOT QC 2 "Standard Practice for

Asphalt Suppliers That Certify Performance Graded and Emulsified Asphalts”. The Asphalt Supplier’s QCP shall be submitted and receive the 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.

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

This section’s title is revised to read:

Performance Graded (PG) Asphalt Binder

The first paragraph is revised to read:

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.

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

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

		Additional Requirements by Performance Grade (PG) Asphalt Binders					
Property	Test Method	PG58S-22	PG58H-22	PG58V-22	PG64S-28	PG64H-28	PG64V-28
RTFO Residue: Average Percent Recovery @ 3.2 kPa	AASHTO T 350 ¹			30% Min.	20% Min.	25% Min.	30% Min.
¹ Specimen conditioned in accordance with AASHTO T 240 – RTFO.							

The third paragraph is revised to read:

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

This section is supplemented with the following:

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.”

1 When AASHTO T 301 is used, a minimum of 65% elastic recovery (ER) will be required when
2 tested at 25°C ± 0.5°C.
3

4 **9-03 AGGREGATES**

5 (January 5, 2004)

6 **9-03.8 (2) HMA Test Requirements**

7 Section 9-03.8(2) is supplemented with the following:
8

9 **ESAL's**

10 The number of ESAL's for the design and acceptance of the HMA shall be *** 1.0 *** million.
11

12 **9-03.8(7) HMA Tolerances and Adjustments**

13 (*****)

14 Delete item 1 and replace it with the following:
15

16
17 1. **Job Mix Formula Tolerances.** After the JMF is determined as required in 5-04.3(7)A, the
18 constituents of the mixture at the time of acceptance shall conform to the following tolerances:
19

	Nonstatistical Evaluation	Commercial Evaluation
Aggregate, percent passing		
1", ¾", ½", and 3/8" sieves	±6%	±8%
U.S. No. 4 sieve	±6%	±8%
U.S. No. 8 sieve	±4%	±8%
U.S. No. 16 sieve	±4%	±8%
U.S. No. 30 sieve	±4%	±8%
U.S. No. 50 sieve	±4%	±8%
U.S. No. 100 sieve	±4%	±8%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%
VMA	1.5% below minimum value in 9-03.8(2)	
VFA	min. and max. as listed in 9-03.8(2)	
Va	2.5% minimum and 5.5% maximum	

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38 These tolerance limits constitute the allowable limits as described in Section 1-06.2. The tolerance
39 limit for aggregate shall not exceed the limits of the control points section, except the tolerance
40 limits for sieves designated as 100% passing will be 99-100.
41
42

43 **POWER EQUIPMENT**

44 (*****)

45 The successful bidder will be required to furnish the County a list of all equipment that they anticipate
46 utilizing on this project.
47

48 The bidder's attention is directed to the attached Power Equipment Form, which the successful bidder
49 will be required to complete and return with the contract documents. This information will enable hourly
50 rental rates to be computed by the County, utilizing the "Rental Rate Blue Book for Construction

1 Equipment". No payment for any force account work will be allowed until this form has been returned
2 and accepted by the County.

6 **E-VERIFY**

7 (*****)

8 "Effective June 21st, 2010, all contracts with a value of \geq \$100,000 shall require that the awarded
9 contractor register with the Department of Homeland Security E-Verify program. Contractors shall have
10 sixty days after the execution of the contract to register and enter into a Memorandum of Understanding
11 (MOU) with the Department of Homeland Security (DHS) E-Verify program. After completing the MOU
12 the contractor shall have an additional sixty days to provide a written record on the authorized
13 employment status of their employees and those of any sub-contractor(s) currently assigned to the
14 contract. Employees hired during the execution of the contract and after submission of the initial
15 verification will be verified to the county within 30 days of hire, as reported from the E-Verify program.
16 The contractor will continue to update the County on all corrective actions required and changes made
17 during the performance of the contract."
18
19

20 **BOND**

21 (*****)

22 The Bidder's special attention is directed to the attached bond form, which the successful bidder will be
23 required to execute and furnish the County. **NO OTHER BOND FORMS WILL BE ACCEPTED.** The
24 bond shall be for the full amount of the contract.
25
26

27 **LEWIS COUNTY ESTIMATES AND PAYMENT POLICY**

28 (*****)

29 On or before the 5th day of each calendar month during the term of this contract, the Contracting
30 Agency shall prepare monthly Progress Payments for work completed and material furnished. If the
31 Contractor agrees, the Contractor will approve the Progress Payment and return the estimate to the
32 Contracting Agency by the 15th day of that same calendar month. The Contracting Agency shall
33 prepare a voucher based upon the approved Progress Payment and payment based thereon shall be
34 due the Contractor near the 10th day of the next calendar month. Material Supply contracts involving
35 delivery of prefabricated material or stockpile material only (no physical work on Contracting Agency
36 property) may be reimbursed via Contractor generated invoices upon written approval by the Engineer.
37 Reimbursement by invoice shall not be subject to late charges listed on the Contractor's standard
38 invoice form.
39

40 When the Contractor reports the work is completed he/she shall then notify the Contracting Agency.
41 The Contracting Agency shall inspect the work and report any deficiencies to the Contractor. When the
42 Contracting Agency is satisfied the work has been completed in accordance with all plans and
43 specifications, the Contracting Agency shall then accept the work.
44

45 Upon completion of all work described in this Contract, the Contracting Agency shall prepare a Final
46 Progress Payment and Final Contract Voucher for approval by the Contractor and processing for final
47 payment. Release of the Contract Bond will be 60 days following Contracting Agency Final Acceptance
48 of Contract, provided the conditions of Section 1-03.4 and Section 1-07.2 of these Special Provisions
49 have been satisfied.

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APPENDICES

(July 12, 1999)

The following appendices are attached and made a part of this contract:

***** APPENDIX A:
Washington State Prevailing Wage Rates
Wage Rate Supplement
Wage Rate Benefit Code Key
Federal Prevailing Wage Rates

APPENDIX B:
Bid Proposal Documents

APPENDIX C:
Contract Documents

APPENDIX D:
Federal Contract Provisions

APPENDIX E:
Permit Documents

APPENDIX F:
Standard Plans
Contract Plans *****

(FEBRUARY 5, 2020)

STANDARD PLANS

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 16-048, effective September 3, 2019 is made a part of this contract.

The Standard Plans are revised as follows:

A-50.10

Sheet 2 of 2, Plan, with Single Slope Barrier, reference C-14a is revised to C-70.10

A-50.20

Sheet 2 of 2, Plan, with Anchored Barrier, reference C-14a is revised to C-70.10

A-50.30

Sheet 2 of 2, Plan (top), reference C-14a is revised to C-70.1

B-10.60

DELETED

B-82.20

DELETED

B-90.40

Valve Detail – DELETED

C-1

Delete Note 1.

Revise Note 2 to read “Remove all rail washers, also called “Snow Load Rail Washers”, when encountered during raising beam guardrail work and the guardrail raising work requires removal of the rail.

Re-number all notes.

C-4b

DELETED

C-4e

DELETED

C-8a

Delete “Section A-A, Type 4 Detail

C-20.11

Delete Notes 1 & 2. Re-Number all notes.

Delete “ Snow Load Post Washer” and “Snow Load Rail Washer” details.

C-20.19

DELETED

C-22.14
DELETED

C-22.16

Note 3, formula, was: "Elevation G = (Elevation S – D x (0.1) + 31" is revised to read: "Elevation G = (Elevation S – D x (0.1) + 31/12"

C-22.45

For the SOFTSTOP (TL-2) elevation view detail, the callout "SOFTSTOP (TL-2) SYSTEM LENGTH = 38' – 4 1/2'" is revised to read "SOFTSTOP (TL-2) SYSTEM LENGTH = 38' – 3 1/2"

C-40.14
DELETED

C-60.10

Sheet 1, Side Elevation: The bottom set of ① - #4 horizontal rebar (2x) located at the base of the barrier is repositioned to be aligned with the bottom of ② - #4 stirrup bars to match the bar positioning shown on Sheet 1, Section A.

Sheet 1, Reinforcing Steel Bending Diagram, ③ - Pin Slot Bar detail: Add the following callout to the detail, "HOT DIP GALVANIZE AFTER FABRICATION (ASTM A123 OR AASHTO M 111)".

Sheet 2, ANCHORING PIN ASSEMBLY DETAIL: The first line of the description under the title was "1 1/2" DIAMETER (ASTM A36), COLD ROLL" is now changed to "1 1/2" DIAMETER (ASTM A36), HOT ROLL".

C-70.10

Sheet 1, Note 1 was - "1. PERMANENT INSTALLATION requirements: Embed barrier 3" (in) minimum; ..." is revised to read: "1. Installation requirements: Embed barrier 3" (in) minimum in asphalt or concrete; embed barrier 10" (in) minimum in soil; ..."

Sheet 1, existing Notes 2 and 4 are deleted. Existing Note 3 is renumbered to Note 2.

Sheet 1, add new Note 3, "3. See Sheet 2 for barrier with a 2'-10" reveal installed in asphalt or concrete. See Sheet 3 for barrier with a 3'-6" reveal installed in asphalt or concrete."

Sheet 1, Elevation: The dimension from the barrier end to the barrier lifting slot was "3' – 4" (TYP)" is now changed to "4' – 8" (TYP)", and the barrier lifting slot dimension was "5' – 0" (TYP)" is now changed to "3' – 0" (TYP)".

Sheet 2, the detail titled "3' – 6" BARRIER FOR USE WITH A 0" (IN) TO 5" (IN) MAX. GRADE SEPARATION" has the following changes:

1. The detail title is changed to "3' – 6" BARRIER FOR USE WITH A 0" (IN) TO 4" (IN) MAX. GRADE SEPARATION".
2. The callout "GRADE SEPARATION--5" MAX." is changed to "GRADE SEPARATION--4" MAX."

C-75.10

Note 2 is deleted. Renumber subsequent notes.

C-75.20

Note 2 is deleted. Renumber subsequent notes.

C-75.30

Note 2 is deleted. Renumber subsequent notes.

C-85.11

Add new Note 3 “3. The intended use of this plan is for placing concrete barrier in front of bridge piers on bridge retrofit projects only. Contact the HQ Bridge traffic barrier specialist before using this barrier placement plan for projects involving new or reconstructed bridges.”

C-85.14

DELETED

C-90.10

DELETED

D-10.10

Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT Bridge Design Manual (BDM) and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.15

Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.30

Wall Type 5 may be used in all cases.

D-10.35

Wall Type 6 may be used in all cases.

D-10.40

Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.45

Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the revisions stated in the 11/3/15 Bridge Design memorandum.

D-15.10

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.20

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.30

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

F-10.12

Section Title, was – “Depressed Curb Section” is revised to read: “Depressed Curb and Gutter Section”

F-10.40

“EXTRUDED CURB AT CUT SLOPE”, Section detail - Deleted

F-10.42

DELETE – “Extruded Curb at Cut Slope” View

G-25.10

Key Note 3, second sentence, was – “For single-post installations, divide the (#2w/diamond shape symbol) post MAX. XYZ in half.” Is revised to read: “For single-post installations, divide the two-post MAX. XYZ in half.”

G-60.10

DELETED

G-60.20

DELETED

G-60.30

DELETED

G-70.10

DELETED

G-70.20

DELETED

H-70.20

Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan I-70.10 is revised to H-70.10

J-10.21

Note 18, was – “When service cabinet is installed within right of way fence, see Standard Plan J-10.22 for details.” Is revised to read; “When service cabinet is installed within right of way

fence, or the meter base is mounted on the exterior of the cabinet, see Standard Plan J-10.22 for details.”

J-10.22

Key Note 1, was – “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305.” Is revised to read; “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305. When the utility requires meter base to be mounted on the side or back of the service cabinet, the meter base enclosure shall be fabricated from type 304 stainless steel.”

Key Note 4, “Test with (SPDT Snap Action, Positive close 15 Amp – 120/277 volt “T” rated). Is revised to read: “Test Switch (SPDT snap action, positive close 15 amp – 120/277 volt “T” rated).”

Key Note 14, was – “Hinged dead front with ¼ turn fasteners or slide latch.” Is revised to read; “Hinged dead front with ¼ turn fasteners or slide latch. ~ Dead front panel bolts shall not extend into the vertical limits of the breaker array(s).”

Key Note 15, was – “Cabinet Main Bonding Jumper. Buss shall be 4 lug tinned copper. See Cabinet Main bonding Jumper detail, Standard Plan J-3b.” is revised to read; “Cabinet Main Bonding Jumper Assembly ~ Buss shall be 4 lug tinned copper ~ See Standard Plan J-10.20 for Cabinet Main Bonding Jumper Assembly details.”

Note 1, was – “...socket box mounting detail, see Standard Plan J-3b.” is revised to read to read: “...socket box mounting detail, see Standard Plan J-10.20.”

Note 6, was – “...See door hinge detail, Standard Plan J-3b.” is revised to read: “...See door hinge detail, Standard Plan J-10.20.”

J-20.26

Add Note 1, “1. One accessible pedestrian pushbutton station per pedestrian pushbutton post.”

J-20.16

View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

J-21.10

Sheet 1, Elevation View, Round Concrete Foundation Detail, callout – “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ THREE REQ’D. PER ASSEMBLY” IS REVISED TO READ: “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ FOUR REQ’D. PER ASSEMBLY”

Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR.. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2

1/2" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

Detail F, callout, "Heavy Hex Clamping Bolt (TYP.) ~ 3/4" (IN) Diam. Torque Clamping Bolts (see Note 3)" is revised to read; "Heavy Hex Clamping Bolt (TYP.) ~ 3/4" (IN) Diam. Torque Clamping Bolts (see Note 1)"

Detail F, callout, "3/4" (IN) x 2' - 6" Anchor Bolt (TYP.) ~ Four Required (See Note 4)" is revised to read; "3/4" (IN) x 2' - 6" Anchor Bolt (TYP.) ~ Three Required (See Note 2)"

J-21.15

Partial View, callout, was - LOCK NIPPLE ~ 1 1/2" DIAM., is revised to read; CHASE NIPPLE ~ 1 1/2" (IN) DIAM.

J-21.16

Detail A, callout, was - LOCKNIPPLE, is revised to read; CHASE NIPPLE

J-22.15

Ramp Meter Signal Standard, elevation, dimension 4' - 6" is revised to read; 6'-0"

(2x) Detail A, callout, was - LOCK NIPPLE ~ 1 1/2" DIAM. is revised to read; CHASE NIPPLE ~ 1 1/2" (IN) DIAM.

J-28.24

Case E and Case F Section View dimension callout, "3' - 0" MIN. FOR BEAM GUARDRAIL, 4' - 0" MIN. FOR CONC. BARRIER TYPE 2" is revised to read, "5' - 0" MIN. FOR BEAM GUARDRAIL, 8' - 0" MIN. FOR UNANCHORED TYPE F CONC. BARRIER, 4' - 0" MIN. FOR ANCHORED TYPE F CONC. BARRIER".

J-40.10

Sheet 2 of 2, Detail F, callout, "12 - 13 x 1 1/2" S.S. PENTA HEAD BOLT AND 12" S. S. FLAT WASHER" is revised to read; "12 - 13 x 1 1/2" S.S. PENTA HEAD BOLT AND 1/2" (IN) S. S. FLAT WASHER"

J-75.20

Key Notes, note 16, second bullet point, was: "1/2" (IN) x 0.45" (IN) Stainless Steel Bands", add the following to the end of the note: "Alternate: Stainless steel cable with stainless steel ends, nuts, bolts, and washers may be used in place of stainless steel bands and associated hardware."

J-81.10

Power Distribution Block Diagram, lower left corner, Sheet 1 of 3; Switch Pack 2; circuit 623 (T4-5) [middle ckt] is revised to read; circuit **622 (T4-5)**.

K-80.10

SIGN INSTALLATION (BEHIND TRAFFIC BARRIER) detail dimension callout, "3' MIN." is revised to read, "5' MIN."

K-80.30

DELETED

K-80.35

Add New Note 1 - "1. The intended use of this plan is for the temporary installation of Type 2 concrete barrier (See Standard Plan C-8) on cement concrete pavement, bridge decks, or hot

mix asphalt pavement, and Type F concrete barrier on cement concrete pavement or bridge decks.

Re-number all notes.

The TYPE 1 ANCHOR detail description “TEMPORARY INSTALLATION OF PRECAST CONC. BARRIER TYPE 2 (STD. PLAN C-8) AND TEMPORARY CONC. BARRIER (F-SHAPE) (STD. PLAN K-80.30) ON CEMENT CONC. PAVEMENT OR BRIDGE DECK” is revised to read, “TEMPORARY INSTALLATION OF PRECAST CONC. BARRIER TYPE F (STD. PLAN C-60.10) OR PRECAST CONC. BARRIER TYPE 2 (STD. PLAN C-8) ON CEMENT CONC. PAVEMENT OR BRIDGE DECK.”

The TYPE 3 ANCHOR detail description “TEMPORARY INSTALLATION OF PRECAST CONC. BARRIER TYPE 2 (STD. PLAN C-8) AND TEMPORARY CONC. BARRIER (F-SHAPE) (STD. PLAN K-80.30) ON HOT MIX ASPHALT PAVEMENT” is revised to read, “TEMPORARY INSTALLATION OF PRECAST CONC. BARRIER TYPE 2 (STD. PLAN C-8) ON HOT MIX ASPHALT PAVEMENT.”

K-80.37

Revise Note 1 to read: “1. The intended use of this plan is for the temporary installation of Type F NARROW BASE concrete barrier (See Standard Plan C-60.10) or Type 4 (Type 2 Narrow Base – See Std. Plan C-8a) Concrete Barrier on cement concrete pavement, bridge decks.”

Replace all callouts stating “NARROW BASE, ALTERNATIVE TEMPORARY CONCRETE BARRIER SEGMENT” with “Type F NARROW BASE or Type 4 (Type 2 Narrow Base) concrete barrier segment.”

M-3.50

Double-Left Turn Channelization (with Right Turn Pocket) view, dimension, upper left corner, “taper” dimension; callout – was “40’ if Posted Speed is 40 MPH or less 100’ if Posted Speed is more than 40 MPH” is revised to read; “See Contract”

M-5.10

Right-Turn Channelization view, dimension, upper right corner, “taper” dimension; callout – was “50’ MIN.” is revised to read; “See Contract”

M-12.10

Add Note 5. “Check with Region Traffic Office for RPM and Guidepost placements.”

M-24.50

DELETED

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00.....8/7/07	A-40.00-00.....8/11/09	A-50.30-00.....11/17/08
A-10.20-00.....10/5/07	A-40.10-04.....7/31/19	A-50.40-00.....11/17/08
A-10.30-00.....10/5/07	A-40.15-00.....8/11/09	A-60.10-03.....12/23/14
A-20.10-00.....8/31/07	A-40.20-04.....1/18/17	A-60.20-03.....12/23/14

A-30.10-00.....11/8/07	A-40.50-02.....12/23/14	A-60.30-01.....6/28/18
A-30.30-01.....6/16/11	A-50.10-00.....11/17/08	A-60.40-00.....8/31/07
A-30.35-00.....10/12/07	A-50.20-01.....9/22/09	

B-5.20-02.....1/26/17	B-30.50-03.....2/27/18	B-75.20-02.....2/27/18
B-5.40-02.....1/26/17	B-30.70-04.....2/27/18	B-75.50-01.....6/10/08
B-5.60-02.....1/26/17	B-30.80-01.....2/27/18	B-75.60-00.....6/8/06
B-10.20-02.....3/2/18	B-30.90-02.....1/26/17	B-80.20-00.....6/8/06
B-10.40-01.....1/26/17	B-35.20-00.....6/8/06	B-80.40-00.....6/1/06
B-10.70-00.....1/26/17	B-35.40-00.....6/8/06	B-85.10-01.....6/10/08
B-15.20-01.....2/7/12	B-40.20-00.....6/1/06	B-85.20-00.....6/1/06
B-15.40-01.....2/7/12	B-40.40-02.....1/26/17	B-85.30-00.....6/1/06
B-15.60-02.....1/26/17	B-45.20-01.....7/11/17	B-85.40-00.....6/8/06
B-20.20-02.....3/16/12	B-45.40-01.....7/21/17	B-85.50-01.....6/10/08
B-20.40-04.....2/27/18	B-50.20-00.....6/1/06	B-90.10-00.....6/8/06
B-20.60-03.....3/15/12	B-55.20-02.....2/27/18	B-90.20-00.....6/8/06
B-25.20-02.....2/27/18	B-60.20-01.....6/28/18	B-90.30-00.....6/8/06
B-25.60-02.....2/27/18	B-60.40-01.....2/27/18	B-90.40-01.....1/26/17
B-30.10-03.....2/27/18	B-65.20-01.....4/26/12	B-90.50-00.....6/8/06
B-30.15-00.....2/27/18	B-65.40-00.....6/1/06	B-95.20-01.....2/3/09
B-30.20-04.....2/27/18	B-70.20-00.....6/1/06	B-95.40-01.....6/28/18
B-30.30-03.....2/27/18	B-70.60-01.....1/26/17	
B-30.40-03.....2/27/18		

C-1.....6/28/18	C-20.15-02.....6/11/14	C-40.18-03.....7/21/17
C-1a.....7/14/15	C-20.18-03.....8/12/19	C-60.10-00.....8/22/19
C-1b.....8/12/19	C-20.19-03.....8/12/19	C-70.10-01.....6/17/14
C-1d.....10/31/03	C-20.40-07.....8/12/19	C-75.10-01.....6/11/14
C-2c.....8/12/19	C-20.41-02.....8/12/19	C-75.20-01.....6/11/14
C-4f.....8/12/19	C-20.42-05.....7/14/15	C-75.30-01.....6/11/14
C-6a.....10/14/09	C-20.45.02.....8/12/19	C-80.10-01.....6/11/14
C-7.....6/16/11	C-22.16-06.....7/21/17	C-80.20-01.....6/11/14
C-7a.....6/16/11	C-22.40-07.....8/12/19	C-80.30-01.....6/11/14
C-8.....2/10/09	C-22.45-04.....8/12/19	C-80.40-01.....6/11/14
C-8a.....7/25/97	C-23.60-04.....7/21/17	C-80.50-00.....4/8/12
C-8b.....2/29/16	C.24.10-02.....8/12/19	C-85.10-00.....4/8/12
C-8e.....2/21/07	C-25.20-06.....7/14/15	C-85.11-00.....4/8/12
C-8f.....6/30/04	C-25.22-05.....7/14/15	C-85.14-01.....6/11/14
C-16a.....7/21/17	C-25.26-04.....8/12/19	C-85.15-01.....6/30/14
C-20.10-05.....8/12/19	C-25.30-00.....6/28/18	C-85.16-01.....6/17/14
C-20.11-00.....7/21/17	C-25.80-05.....8/12/19	C-85.18-01.....6/11/14
C-20.14-04.....8/12/19	C-40.16-02.....7/2/12	C-85.20-01.....6/11/14

D-2.04-00.....11/10/05	D-2.48-00.....11/10/05	D-3.17-02.....5/9/16
D-2.06-01.....1/6/09	D-2.64-01.....1/6/09	D-4.....12/11/98
D-2.08-00.....11/10/05	D-2.66-00.....11/10/05	D-6.....6/19/98
D-2.14-00.....11/10/05	D-2.68-00.....11/10/05	D-10.10-01.....12/2/08
D-2.16-00.....11/10/05	D-2.80-00.....11/10/05	D-10.15-01.....12/2/08
D-2.18-00.....11/10/05	D-2.82-00.....11/10/05	D-10.20-01.....8/7/19
D-2.20-00.....11/10/05	D-2.84-00.....11/10/05	D-10.25-01.....8/7/19
D-2.32-00.....11/10/05	D-2.86-00.....11/10/05	D-10.30-00.....7/8/08

D-2.34-01.....1/6/09	D-2.88-00.....11/10/05	D-10.35-00.....7/8/08
D-2.36-03.....6/11/14	D-2.92-00.....11/10/05	D-10.40-01.....12/2/08
D-2.42-00.....11/10/05	D-3.09-00.....5/17/12	D-10.45-01.....12/2/08
D-2.44-00.....11/10/05	D-3.10-01.....5/29/13	
D-2.60-00.....11/10/05	D-3.11-03.....6/11/14	
D-2.62-00.....11/10/05	D-3.15-02.....6/10/13	
D-2.46-01.....6/11/14	D-3.16-02.....5/29/13	
E-1.....2/21/07	E-4.....8/27/03	
E-2.....5/29/98	E-4a.....8/27/03	
F-10.12-03.....6/11/14	F-10.62-02.....4/22/14	F-40.15-03.....6/29/16
F-10.16-00.....12/20/06	F-10.64-03.....4/22/14	F-40.16-03.....6/29/16
F-10.18-01.....7/11/17	F-30.10-03.....6/11/14	F-45.10-02.....7/15/16
F-10.40-03.....6/29/16	F-40.12-03.....6/29/16	F-80.10-04.....7/15/16
F-10.42-00.....1/23/07	F-40.14-03.....6/29/16	
G-10.10-00.....9/20/07	G-25.10-04.....6/10/13	G-95.10-02.....6/28/18
G-20.10-02.....6/23/15	G-26.10-00.....7/31/19	G-95.20-03.....6/28/18
G-22.10-04.....6/28/18	G-30.10-04.....6/23/15	G-95.30-03.....6/28/18
G-24.10-00.....11/8/07	G-50.10-03.....6/28/18	
G-24.20-01.....2/7/12	G-90.10-03.....7/11/17	
G-24.30-02.....6/28/18	G-90.11-00.....4/28/16	
G-24.40-07.....6/28/18	G-90.20-05.....7/11/17	
G-24.50-05.....8/7/19	G-90.30-04.....7/11/17	
G-24.60-05.....6/28/18	G-90.40-02.....4/28/16	
H-10.10-00.....7/3/08	H-32.10-00.....9/20/07	H-70.10-01.....2/7/12
H-10.15-00.....7/3/08	H-60.10-01.....7/3/08	H-70.20-01.....2/16/12
H-30.10-00.....10/12/07	H-60.20-01.....7/3/08	H-70.30-02.....2/7/12
I-10.10-01.....8/11/09	I-30.20-00.....9/20/07	I-40.20-00.....9/20/07
I-30.10-02.....3/22/13	I-30.30-02.....6/12/19	I-50.20-01.....6/10/13
I-30.15-02.....3/22/13	I-30.40-02.....6/12/19	I-60.10-01.....6/10/13
I-30.16-01.....7/11/19	I-30.60-02.....6/12/19	I-60.20-01.....6/10/13
I-30.17-01.....6/12/19	I-40.10-00.....9/20/07	I-80.10-02.....7/15/16
J-10.....7/18/97	J-28.40-02.....6/11/14	J-60.13-00.....6/16/10
J-10.10-03.....6/3/15	J-28.42-01.....6/11/14	J-60.14-01.....7/31/19
J-10.15-01.....6/11/14	J-28.43-01.....6/28/18	J-75.10-02.....7/10/15
J-10.16-00.....6/3/15	J-28.45-03.....7/21/16	J-75.20-01.....7/10/15
J-10.17-00.....6/3/15	J-28.50-03.....7/21/16	J-75.30-02.....7/10/15
J-10.18-00.....6/3/15	J-28.60-02.....7/21/16	J-75.40-02.....6/1/16
J-10.20-02.....7/31/19	J-28.70-03.....7/21/17	J-75.41-01.....6/29/16
J-10.21-00.....6/3/15	J-29.10-01.....7/21/16	J-75.45-02.....6/1/16
J-10.22-00.....5/29/13	J-29.15-01.....7/21/16	J-80.10-00.....6/28/18
J-10.25-00.....7/11/17	J-29.16-02.....7/21/16	J-80.15-00.....6/28/18
J-12.15-00.....6/28/18	J-30.10-00.....6/18/15	J-81.10-00.....6/28/18
J-12.16-00.....6/28/18	J-40.05-00.....7/21/16	J-86.10-00.....6/28/18
J-15.10-01.....6/11/14	J-40.10-04.....4/28/16	J-90.10-03.....6/28/18

J-15.15-02.....7/10/15	J-40.20-03.....4/28/16	J-90.20-03.....6/28/18
J-20.10-04.....7/31/19	J-40.30-04.....4/28/16	J-90.21-02.....6/28/18
J-20.11-03.....7/31/19	J-40.35-01.....5/29/13	J-90.50-00.....6/28/18
J-20.15-03.....6/30/14	J-40.36-02.....7/21/17	
J-20.16-02.....6/30/14	J-40.37-02.....7/21/17	
J-20.20-02.....5/20/13	J-40.38-01.....5/20/13	
J-20.26-01.....7/12/12	J-40.39-00.....5/20/13	
J-21.10-04.....6/30/14	J-40.40-02.....7/31/19	
J-21.15-01.....6/10/13	J-45.36-00.....7/21/17	
J-21.16-01.....6/10/13	J-50.05-00.....7/21/17	
J-21.17-01.....6/10/13	J-50.10-01.....7/31/19	
J-21.20-01.....6/10/13	J-50.11-02.....7/31/19	
J-22.15-02.....7/10/15	J-50.12-02.....8/7/19	
J-22.16-03.....7/10/15	J-50.13-00.....8/22/19	
J-26.10-03.....7/21/16	J-50.15-01.....7/21/17	
J-26.15-01.....5/17/12	J-50.16-01.....3/22/13	
J-26.20-01.....6/28/18	J-50.18-00.....8/7/19	
J-27.10-01.....7/21/16	J-50.19-00.....8/7/19	
J-27.15-00.....3/15/12	J-50.20-00.....6/3/11	
J-28.10-02.....8/7/19	J-50.25-00.....6/3/11	
J-28.22-00.....8/07/07	J-50.30-00.....6/3/11	
J-28.24-01.....6/3/15	J-60.05-01.....7/21/16	
J-28.26-01.....12/02/08	J-60.11-00.....5/20/13	
J-28.30-03.....6/11/14	J-60.12-00.....5/20/13	

K-70.20-01.....6/1/16
 K-80.10-01.....6/1/16
 K-80.20-00.....12/20/06
 K-80.35-00.....2/21/07
 K-80.37-00.....2/21/07

L-10.10-02.....6/21/12	L-40.10-02.....6/21/12	L-70.10-01.....5/21/08
L-20.10-03.....7/14/15	L-40.15-01.....6/16/11	L-70.20-01.....5/21/08
L-30.10-02.....6/11/14	L-40.20-02.....6/21/12	

M-1.20-03.....6/24/14	M-11.10-03.....8/7/19	M-40.20-00...10/12/07
M-1.40-02.....6/3/11	M-12.10-01.....6/28/18	M-40.30-01.....7/11/17
M-1.60-02.....6/3/11	M-15.10-01.....2/6/07	M-40.40-00.....9/20/07
M-1.80-03.....6/3/11	M-17.10-02.....7/3/08	M-40.50-00.....9/20/07
M-2.20-03.....7/10/15	M-20.10-02.....6/3/11	M-40.60-00.....9/20/07
M-2.21-00.....7/10/15	M-20.20-02.....4/20/15	M-60.10-01.....6/3/11
M-3.10-03.....6/3/11	M-20.30-04.....2/29/16	M-60.20-02.....6/27/11
M-3.20-02.....6/3/11	M-20.40-03.....6/24/14	M-65.10-02.....5/11/11
M-3.30-03.....6/3/11	M-20.50-02.....6/3/11	M-80.10-01.....6/3/11
M-3.40-03.....6/3/11	M-24.20-02.....4/20/15	M-80.20-00.....6/10/08
M-3.50-02.....6/3/11	M-24.40-02.....4/20/15	M-80.30-00.....6/10/08
M-5.10-02.....6/3/11	M-24.60-04.....6/24/14	
M-7.50-01.....1/30/07	M-24.65-00.....7/11/17	
M-9.50-02.....6/24/14	M-24.66-00.....7/11/17	
M-9.60-00.....2/10/09	M-40.10-03.....6/24/14	

APPENDIX A

WASHINGTON STATE PREVAILING WAGE RATES

INCLUDING:

State Wage Rates

Wage Rate Supplements

Wage Rate Benefit Codes

FEDERAL 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: 3/13/2020

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Lewis	Asbestos Abatement Workers	Journey Level	\$50.86	<u>5D</u>	<u>1H</u>		View
Lewis	Boilermakers	Journey Level	\$69.29	<u>5N</u>	<u>1C</u>		View
Lewis	Brick Mason	Journey Level	\$58.82	<u>5A</u>	<u>1M</u>		View
Lewis	Brick Mason	Pointer-Caulker-Cleaner	\$58.82	<u>5A</u>	<u>1M</u>		View
Lewis	Building Service Employees	Janitor	\$13.50		<u>1</u>		View
Lewis	Building Service Employees	Shampooer	\$13.50		<u>1</u>		View
Lewis	Building Service Employees	Waxer	\$13.50		<u>1</u>		View
Lewis	Building Service Employees	Window Cleaner	\$13.50		<u>1</u>		View
Lewis	Cabinet Makers (In Shop)	Journey Level	\$23.17		<u>1</u>		View
Lewis	Carpenters	Acoustical Worker	\$62.44	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Carpenter	\$62.44	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Carpenters on Stationary Tools	\$62.57	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Creosoted Material	\$62.54	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Floor Finisher	\$62.44	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Floor Layer	\$62.44	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Scaffold Erector	\$62.44	<u>7A</u>	<u>4C</u>		View
Lewis	Cement Masons	Application of all Composition Mastic	\$62.97	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of all Epoxy Material	\$62.47	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of all Plastic Material	\$62.97	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of Sealing Compound	\$62.47	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of Underlayment	\$62.97	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Building General	\$62.47	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons		\$62.97	<u>7A</u>	<u>4U</u>		View

		Composition or Kalman Floors				
Lewis	Cement Masons	Concrete Paving	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Curb & Gutter Machine	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Curb & Gutter, Sidewalks	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Curing Concrete	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Finish Colored Concrete	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Floor Grinding	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Floor Grinding/Polisher	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Green Concrete Saw, self-powered	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Grouting of all Plates	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Grouting of all Tilt-up Panels	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Gunite Nozzleman	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Hand Powered Grinder	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Journey Level	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Patching Concrete	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Pneumatic Power Tools	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Power Chipping & Brushing	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Sand Blasting Architectural Finish	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Screed & Rodding Machine	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Spackling or Skim Coat Concrete	\$62.47	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Troweling Machine Operator	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Troweling Machine Operator on Colored Slabs	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Cement Masons	Tunnel Workers	\$62.97	<u>7A</u>	<u>4U</u>	View
Lewis	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$116.20	<u>7A</u>	<u>4C</u>	View
Lewis	Divers & Tenders	Dive Supervisor/Master	\$79.23	<u>7A</u>	<u>4C</u>	View
Lewis	Divers & Tenders	Diver	\$116.20	<u>7A</u>	<u>4C</u>	<u>8V</u> View
Lewis	Divers & Tenders	Diver On Standby	\$74.23	<u>7A</u>	<u>4C</u>	View
Lewis	Divers & Tenders	Diver Tender	\$67.31	<u>7A</u>	<u>4C</u>	View
Lewis	Divers & Tenders	Manifold Operator	\$67.31	<u>7A</u>	<u>4C</u>	View
Lewis	Divers & Tenders	Manifold Operator Mixed Gas	\$72.31	<u>7A</u>	<u>4C</u>	View
Lewis	Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$67.31	<u>7A</u>	<u>4C</u>	View
Lewis	Divers & Tenders	Remote Operated Vehicle Tender	\$62.69	<u>7A</u>	<u>4C</u>	View
Lewis	Dredge Workers	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>	View
Lewis	Dredge Workers		\$56.00	<u>5D</u>	<u>3F</u>	View

		Assistant Mate (Deckhand)					
Lewis	Dredge Workers	Boatmen	\$56.44	<u>5D</u>	<u>3F</u>		View
Lewis	Dredge Workers	Engineer Welder	\$57.51	<u>5D</u>	<u>3F</u>		View
Lewis	Dredge Workers	Leverman, Hydraulic	\$58.67	<u>5D</u>	<u>3F</u>		View
Lewis	Dredge Workers	Mates	\$56.44	<u>5D</u>	<u>3F</u>		View
Lewis	Dredge Workers	Oiler	\$56.00	<u>5D</u>	<u>3F</u>		View
Lewis	Drywall Applicator	Journey Level	\$62.44	<u>5D</u>	<u>1H</u>		View
Lewis	Drywall Tapers	Journey Level	\$62.81	<u>5P</u>	<u>1E</u>		View
Lewis	Electrical Fixture Maintenance Workers	Journey Level	\$13.50		<u>1</u>		View
Lewis	Electricians - Inside	Cable Splicer	\$74.69	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Inside	Journey Level	\$69.96	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Inside	Lead Covered Cable Splicer	\$79.41	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Inside	Welder	\$74.69	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Motor Shop	Craftsman	\$15.37		<u>1</u>		View
Lewis	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>		View
Lewis	Electricians - Powerline Construction	Cable Splicer	\$82.39	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Certified Line Welder	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Groundperson	\$49.17	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Journey Level Lineperson	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Line Equipment Operator	\$64.54	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Meter Installer	\$49.17	<u>5A</u>	<u>4D</u>	<u>8W</u>	View
Lewis	Electricians - Powerline Construction	Pole Sprayer	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Powderperson	\$56.49	<u>5A</u>	<u>4D</u>		View
Lewis	Electronic Technicians	Journey Level	\$44.70	<u>6Z</u>	<u>1B</u>		View
Lewis	Elevator Constructors	Mechanic	\$97.31	<u>7D</u>	<u>4A</u>		View
Lewis	Elevator Constructors	Mechanic In Charge	\$105.06	<u>7D</u>	<u>4A</u>		View
Lewis	Fabricated Precast Concrete Products	Journey Level	\$13.50		<u>1</u>		View
Lewis	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		<u>1</u>		View
Lewis	Fence Erectors	Fence Erector	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Fence Erectors	Fence Laborer	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Flaggers	Journey Level	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Glaziers	Journey Level	\$66.51	<u>7L</u>	<u>1Y</u>		View
Lewis		Journeyman	\$76.61	<u>5J</u>	<u>4H</u>		View

	Heat & Frost Insulators And Asbestos Workers						
Lewis	Heating Equipment Mechanics	Journey Level	\$85.88	7F	1E		View
Lewis	Hod Carriers & Mason Tenders	Journey Level	\$52.44	7A	4V	8Y	View
Lewis	Industrial Power Vacuum Cleaner	Journey Level	\$13.50		1		View
Lewis	Inland Boatmen	Boat Operator	\$61.41	5B	1K		View
Lewis	Inland Boatmen	Cook	\$56.48	5B	1K		View
Lewis	Inland Boatmen	Deckhand	\$57.48	5B	1K		View
Lewis	Inland Boatmen	Deckhand Engineer	\$58.81	5B	1K		View
Lewis	Inland Boatmen	Launch Operator	\$58.89	5B	1K		View
Lewis	Inland Boatmen	Mate	\$57.31	5B	1K		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$13.50		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$13.50		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$13.50		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$13.50		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$13.50		1		View
Lewis	Insulation Applicators	Journey Level	\$62.44	7A	4C		View
Lewis	Ironworkers	Journeyman	\$73.73	7N	1O		View
Lewis	Laborers	Air, Gas Or Electric Vibrating Screed	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Airtrac Drill Operator	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Ballast Regular Machine	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Batch Weighman	\$43.11	7A	4V	8Y	View
Lewis	Laborers	Brick Pavers	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Brush Cutter	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Brush Hog Feeder	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Burner	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Caisson Worker	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Carpenter Tender	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Cement Dumper-paving	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Cement Finisher Tender	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Change House Or Dry Shack	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Chipping Gun (30 Lbs. And Over)	\$51.80	7A	4V	8Y	View

Lewis	Laborers	Chipping Gun (Under 30 Lbs.)	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Choker Setter	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Chuck Tender	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Clary Power Spreader	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Clean-up Laborer	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Concrete Dumper/Chute Operator	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Concrete Form Stripper	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Concrete Placement Crew	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Concrete Saw Operator/Core Driller	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Crusher Feeder	\$43.11	7A	4V	8Y	View
Lewis	Laborers	Curing Laborer	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Ditch Digger	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Diver	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Drill Operator (Hydraulic, Diamond)	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Dry Stack Walls	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Dump Person	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Epoxy Technician	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Erosion Control Worker	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Faller & Bucker Chain Saw	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Fine Graders	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Firewatch	\$43.11	7A	4V	8Y	View
Lewis	Laborers	Form Setter	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Gabian Basket Builders	\$50.86	7A	4V	8Y	View
Lewis	Laborers	General Laborer	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Grade Checker & Transit Person	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Grinders	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Grout Machine Tender	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Groutmen (Pressure) Including Post Tension Beams	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Guardrail Erector	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Hazardous Waste Worker (Level A)	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Hazardous Waste Worker (Level B)	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Hazardous Waste Worker (Level C)	\$50.86	7A	4V	8Y	View
Lewis	Laborers	High Scaler	\$52.44	7A	4V	8Y	View

Lewis	Laborers	Jackhammer	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Laserbeam Operator	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Maintenance Person	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Manhole Builder-Mudman	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Material Yard Person	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Motorman-Dinky Locomotive	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Nozzleman (Concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Blaster, Vacuum Blaster)	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Pavement Breaker	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Pilot Car	\$43.11	7A	4V	8Y	View
Lewis	Laborers	Pipe Layer Lead	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Pipe Layer/Tailor	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Pipe Pot Tender	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Pipe Reliner	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Pipe Wrapper	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Pot Tender	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Powderman	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Powderman's Helper	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Power Jacks	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Railroad Spike Puller - Power	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Raker - Asphalt	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Re-timberman	\$52.44	7A	4V	8Y	View
Lewis	Laborers	Remote Equipment Operator	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Rigger/Signal Person	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Rip Rap Person	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Rivet Buster	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Rodder	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Scaffold Erector	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Scale Person	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Sloper (Over 20")	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Sloper Sprayer	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Spreader (Concrete)	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Stake Hopper	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Stock Piler	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Swinging Stage/Boatswain Chair	\$43.11	7A	4V	8Y	View
Lewis	Laborers		\$51.80	7A	4V	8Y	View

		Tamper & Similar Electric, Air & Gas Operated Tools					
Lewis	Laborers	Tamper (Multiple & Self-propelled)	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Toolroom Person (at Jobsite)	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Topper	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Track Laborer	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Track Liner (Power)	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Traffic Control Laborer	\$46.10	7A	4V	9C	View
Lewis	Laborers	Traffic Control Supervisor	\$46.10	7A	4V	9C	View
Lewis	Laborers	Truck Spotter	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Tugger Operator	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$120.61	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$125.64	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$129.32	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$135.02	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$137.14	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$142.24	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$144.14	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$146.14	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$148.14	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Guage and Lock Tender	\$52.54	7A	4V	8Y	View
Lewis	Laborers	Tunnel Work-Miner	\$52.54	7A	4V	8Y	View
Lewis	Laborers	Vibrator	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Vinyl Seamer	\$50.86	7A	4V	8Y	View
Lewis	Laborers	Watchman	\$39.18	7A	4V	8Y	View
Lewis	Laborers	Welder	\$51.80	7A	4V	8Y	View
Lewis	Laborers	Well Point Laborer	\$51.80	7A	4V	8Y	View

Lewis	Laborers	Window Washer/Cleaner	\$39.18	7A	4V	8Y	View
Lewis	Laborers - Underground Sewer & Water	General Laborer & Topman	\$50.86	7A	4V	8Y	View
Lewis	Laborers - Underground Sewer & Water	Pipe Layer	\$51.80	7A	4V	8Y	View
Lewis	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	\$39.18	7A	4V	8Y	View
Lewis	Landscape Construction	Landscape Operator	\$65.71	7A	3K	8X	View
Lewis	Landscape Maintenance	Groundskeeper	\$13.50		1		View
Lewis	Lathers	Journey Level	\$62.44	5D	1H		View
Lewis	Marble Setters	Journey Level	\$58.82	5A	1M		View
Lewis	Metal Fabrication (In Shop)	Fitter	\$15.16		1		View
Lewis	Metal Fabrication (In Shop)	Laborer	\$13.50		1		View
Lewis	Metal Fabrication (In Shop)	Machine Operator	\$13.50		1		View
Lewis	Metal Fabrication (In Shop)	Painter	\$13.50		1		View
Lewis	Metal Fabrication (In Shop)	Welder	\$15.16		1		View
Lewis	Millwright	Journey Level	\$63.94	7A	4C		View
Lewis	Modular Buildings	Cabinet Assembly	\$13.50		1		View
Lewis	Modular Buildings	Electrician	\$13.50		1		View
Lewis	Modular Buildings	Equipment Maintenance	\$13.50		1		View
Lewis	Modular Buildings	Plumber	\$13.50		1		View
Lewis	Modular Buildings	Production Worker	\$13.50		1		View
Lewis	Modular Buildings	Tool Maintenance	\$13.50		1		View
Lewis	Modular Buildings	Utility Person	\$13.50		1		View
Lewis	Modular Buildings	Welder	\$13.50		1		View
Lewis	Painters	Journey Level	\$43.40	6Z	2B		View
Lewis	Pile Driver	Crew Tender	\$67.31	7A	4C		View
Lewis	Pile Driver	Crew Tender/Technician	\$67.31	7A	4C		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$77.93	7A	4C		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$82.93	7A	4C		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$86.93	7A	4C		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$91.93	7A	4C		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$94.43	7A	4C		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$99.43	7A	4C		View
Lewis	Pile Driver		\$101.43	7A	4C		View

		Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI					
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$103.43	7A	4C		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$105.43	7A	4C		View
Lewis	Pile Driver	Journey Level	\$62.69	7A	4C		View
Lewis	Plasterers	Journey Level	\$59.42	7Q	1R		View
Lewis	Playground & Park Equipment Installers	Journey Level	\$13.50		1		View
Lewis	Plumbers & Pipefitters	Journey Level	\$76.22	5A	1G		View
Lewis	Power Equipment Operators	Asphalt Plant Operator	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Assistant Engineers	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Barrier Machine (zipper)	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Batch Plant Operator: Concrete	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Bobcat	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Brooms	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Bump Cutter	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Cableways	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Chipper	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Compressor	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Finish Machine - laser Screed	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Conveyors	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes, 100 Tons - 199 Tons, Or 150 Ft Of Boom (including Jib With Attachments)	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 200 tons to 299 tons, or 250' of boom (including jib with attachments)	\$68.17	7A	3K	8X	View

Lewis	Power Equipment Operators	Cranes: 300 tons and over, or 300' of boom (including jib with attachments)	\$68.84	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: Friction 200 tons and over. Tower Cranes: over 250' in height from base to boom.	\$68.84	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$68.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Crusher	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Derricks, On Building Work	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Dozers D-9 & Under	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Drilling Machine	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Gradechecker/stakeman	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Guardrail punch/Auger	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Horizontal/directional Drill Locator	\$65.71	7A	3K	8X	View

Lewis	Power Equipment Operators	Horizontal/directional Drill Operator	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Loaders, Plant Feed	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Loaders: Elevating Type Belt	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Locomotives, All	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Material Transfer Device	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Mechanics, All (Leadmen - \$0.50 Per Hour Over Mechanic)	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Motor patrol graders	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Pavement Breaker	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Posthole Digger, Mechanical	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Power Plant	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Pumps - Water	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Quad 9, HD 41, D10 And Over	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators		\$62.85	7A	3K	8X	View

		Quick Tower - No Cab, Under 100 Feet In Height Based To Boom					
Lewis	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Rigger And Bellman	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Rollagon	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Roller, Other Than Plant Mix	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Roller, Plant Mix Or Multi- lift Materials	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Roto-mill, Roto-grinder	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Saws - Concrete	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Scrapers - Concrete & Carry All	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Service Engineers - Equipment	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Shotcrete/gunite Equipment	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$68.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Slipform Pavers	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Spreader, Topsider & Screedman	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Subgrader Trimmer	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Tower Bucket Elevators	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Tower crane over 175' through 250' in height, base to boom	\$68.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Tower Crane Up: To 175' In Height, Base To Boom	\$67.49	7A	3K	8X	View

Lewis	Power Equipment Operators	Transporters, All Track Or Truck Type	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Trenching Machines	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators	Truck Mount Portable Conveyor	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators	Welder	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators	Wheel Tractors, Farmall Type	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators	Yo Yo Pay Dozer	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operator	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Assistant Engineers	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Barrier Machine (zipper)	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Batch Plant Operator: Concrete	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Bobcat	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Brooms	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Bump Cutter	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cableways	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Chipper	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Compressor	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine - laser Screed	\$62.85	7A	3K	8X	View

Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Conveyors	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes, 100 Tons - 199 Tons, Or 150 Ft Of Boom (including Jib With Attachments)	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes, 200 tons to 299 tons, or 250' of boom (including jib with attachments)	\$68.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes, Over 300 Tons, Or 300' Of Boom Including Jib With Attachments	\$68.84	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	cranes: 300 tons and over, or 300' of boom (including jib with attachments)	\$68.84	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction 200 tons and over. Tower Cranes: over 250' in height from base to boom.	\$68.84	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$68.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Crusher	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Deck Engineer/deck Winches (power)	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	\$66.81	7A	3K	8X	View

Lewis	Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Guardrail punch/Auger	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Operator	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Hydralifts/Boom Trucks Over 10 Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$67.49	7A	3K	8X	View

Lewis	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Mechanics, All (Leadmen - \$0.50 Per Hour Over Mechanic)	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Motor patrol graders	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Pavement Breaker	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$65.71	7A	3K	8X	View
Lewis		Posthole Digger, Mechanical	\$62.85	7A	3K	8X	View

	Power Equipment Operators- Underground Sewer & Water						
Lewis	Power Equipment Operators- Underground Sewer & Water	Power Plant	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Pumps - Water	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Quad 9, HD 41, D10 And Over	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Rigger And Bellman	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Rollagon	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Roller, Other Than Plant Mix	\$62.85	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Roto-mill, Roto-grinder	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Saws - Concrete	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Scrapers - Concrete & Carry All	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Service Engineers - Equipment	\$65.71	7A	3K	8X	View
Lewis		Shotcrete/gunite Equipment	\$62.85	7A	3K	8X	View

	Power Equipment Operators- Underground Sewer & Water						
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$68.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Tower crane over 175' through 250' in height, base to boom	\$68.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Tower Crane: Up To 175' In Height, Base To Boom	\$67.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	\$66.81	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Trenching Machines	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$66.22	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	\$65.71	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	\$66.22	7A	3K	8X	View
Lewis		Welder	\$66.81	7A	3K	8X	View

	Power Equipment Operators- Underground Sewer & Water						
Lewis	Power Equipment Operators- Underground Sewer & Water	Wheel Tractors, Farmall Type	\$62.85	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	\$66.22	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$53.10	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Spray Person	\$50.40	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$53.10	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Tree Trimmer	\$47.48	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$36.10	<u>5A</u>	<u>4A</u>		View
Lewis	Refrigeration & Air Conditioning Mechanics	Journey Level	\$76.21	<u>5A</u>	<u>1G</u>		View
Lewis	Residential Brick Mason	Journey Level	\$21.96		<u>1</u>		View
Lewis	Residential Carpenters	Journey Level	\$24.89		<u>1</u>		View
Lewis	Residential Cement Masons	Journey Level	\$16.79		<u>1</u>		View
Lewis	Residential Drywall Applicators	Journey Level	\$36.07		<u>1</u>		View
Lewis	Residential Drywall Tapers	Journey Level	\$24.48		<u>1</u>		View
Lewis	Residential Electricians	Journey Level	\$36.53	<u>5A</u>	<u>1B</u>		View
Lewis	Residential Glaziers	Journey Level	\$25.40		<u>1</u>		View
Lewis	Residential Insulation Applicators	Journey Level	\$17.05		<u>1</u>		View
Lewis	Residential Laborers	Journey Level	\$23.10		<u>1</u>		View
Lewis	Residential Marble Setters	Journey Level	\$21.96		<u>1</u>		View
Lewis	Residential Painters	Journey Level	\$18.76		<u>1</u>		View
Lewis	Residential Plumbers & Pipefitters	Journey Level	\$26.35		<u>1</u>		View
Lewis	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$32.14		<u>1</u>		View
Lewis	Residential Sheet Metal Workers	Journey Level	\$33.28		<u>1</u>		View
Lewis	Residential Soft Floor Layers	Journey Level	\$14.86		<u>1</u>		View
Lewis	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$20.28		<u>1</u>		View
Lewis	Residential Stone Masons	Journey Level	\$21.96		<u>1</u>		View
Lewis	Residential Terrazzo Workers	Journey Level	\$14.86		<u>1</u>		View
Lewis	Residential Terrazzo/Tile Finishers	Journey Level	\$14.86		<u>1</u>		View

Lewis	Residential Tile Setters	Journey Level	\$14.86		<u>1</u>		View
Lewis	Roofers	Journey Level	\$54.62	<u>5A</u>	<u>20</u>		View
Lewis	Roofers	Using Irritable Bituminous Materials	\$57.62	<u>5A</u>	<u>20</u>		View
Lewis	Sheet Metal Workers	Journey Level (Field or Shop)	\$85.88	<u>7F</u>	<u>1E</u>		View
Lewis	Sign Makers & Installers (Electrical)	Journey Level	\$18.04		<u>1</u>		View
Lewis	Sign Makers & Installers (Non-Electrical)	Journey Level	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Soft Floor Layers	Journey Level	\$51.07	<u>5A</u>	<u>3J</u>		View
Lewis	Solar Controls For Windows	Journey Level	\$13.50		<u>1</u>		View
Lewis	Sprinkler Fitters (Fire Protection)	Journey Level	\$56.76	<u>7J</u>	<u>1R</u>		View
Lewis	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.50		<u>1</u>		View
Lewis	Stone Masons	Journey Level	\$58.82	<u>5A</u>	<u>1M</u>		View
Lewis	Street And Parking Lot Sweeper Workers	Journey Level	\$16.00		<u>1</u>		View
Lewis	Surveyors	Chain Person	\$65.11	<u>7A</u>	<u>3K</u>		View
Lewis	Surveyors	Instrument Person	\$65.71	<u>7A</u>	<u>3K</u>		View
Lewis	Surveyors	Party Chief	\$66.81	<u>7A</u>	<u>3K</u>		View
Lewis	Telecommunication Technicians	Journey Level	\$44.70	<u>6Z</u>	<u>1B</u>		View
Lewis	Telephone Line Construction - Outside	Cable Splicer	\$41.81	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$23.53	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Installer (Repairer)	\$40.09	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Special Aparatus Installer I	\$41.81	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Special Apparatus Installer II	\$40.99	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	\$41.81	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$38.92	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Telephone Lineperson	\$38.92	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Television Groundperson	\$22.32	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Television Lineperson/Installer	\$29.60	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Television System Technician	\$35.20	<u>5A</u>	<u>2B</u>		View
Lewis	Telephone Line Construction - Outside	Television Technician	\$31.67	<u>5A</u>	<u>2B</u>		View
Lewis		Tree Trimmer	\$38.92	<u>5A</u>	<u>2B</u>		View

	Telephone Line Construction - Outside						
Lewis	Terrazzo Workers	Journey Level	\$54.06	<u>5A</u>	<u>1M</u>		View
Lewis	Tile Setters	Journey Level	\$54.06	<u>5A</u>	<u>1M</u>		View
Lewis	Tile, Marble & Terrazzo Finishers	Finisher	\$44.89	<u>5A</u>	<u>1B</u>		View
Lewis	Traffic Control Stripers	Journey Level	\$47.68	<u>7A</u>	<u>1K</u>		View
Lewis	Truck Drivers	Asphalt Mix Over 16 Yards	\$60.84	<u>5D</u>	<u>4Y</u>	<u>8L</u>	View
Lewis	Truck Drivers	Asphalt Mix To 16 Yards	\$60.00	<u>5D</u>	<u>4Y</u>	<u>8L</u>	View
Lewis	Truck Drivers	Dump Truck	\$60.00	<u>5D</u>	<u>4Y</u>	<u>8L</u>	View
Lewis	Truck Drivers	Dump Truck & Trailer	\$60.84	<u>5D</u>	<u>4Y</u>	<u>8L</u>	View
Lewis	Truck Drivers	Other Trucks	\$60.84	<u>5D</u>	<u>4Y</u>	<u>8L</u>	View
Lewis	Truck Drivers - Ready Mix	Transit Mix	\$60.84	<u>5D</u>	<u>4Y</u>	<u>8L</u>	View
Lewis	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$18.18		<u>1</u>		View
Lewis	Well Drillers & Irrigation Pump Installers	Oiler	\$13.50		<u>1</u>		View
Lewis	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		<u>1</u>		View

**Washington State Department of Labor and Industries
Policy Statement
(Regarding the Production of "Standard" or "Non-standard" Items)**

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.
2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.
3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.
4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.
5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.
6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

**WSDOT's
Predetermined List for
Suppliers - Manufactures - Fabricator**

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

ITEM DESCRIPTION	YES	NO
1. Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		X
2. Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		X
3. Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		X
4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		X
5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		X
6. Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		X
7. Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		X

ITEM DESCRIPTION	YES	NO
8. Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		X
9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11. Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	X	
12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	X	
14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15. Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		X
16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
17. Precast Concrete Inlet - with adjustment sections, See Std. Plans		X
18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		X
19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		X
20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		X
21. Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		X
22. Vault Risers - For use with Valve Vaults and Utilities X Vaults.		X
23. Valve Vault - For use with underground utilities. See Contract Plans for details.		X
24. Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		X
25. Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	X	
26. Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	X	

ITEM DESCRIPTION	YES	NO
27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.	X	
28. 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
31. Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	X	
32. Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
33. Monument Case and Cover See Std. Plan.		X

ITEM DESCRIPTION	YES	NO
34. Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
35. Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36. Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39. Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Special Provisions for pre-approved drawings.	X	
40. Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. NOTE: *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	X	X
	Custom Message	Std Signing Message
43. Cutting & bending reinforcing steel		X
44. Guardrail components	X	X
	Custom End Sec	Standard Sec
45. Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46. Asphalt	Covered by WAC 296-127-018	
47. Fiber fabrics		X
48. Electrical wiring/components		X
49. treated or untreated timber pile		X
50. Girder pads (elastomeric bearing)	X	
51. Standard Dimension lumber		X
52. Irrigation components		X

ITEM DESCRIPTION	YES	NO
53. Fencing materials		X
54. Guide Posts		X
55. Traffic Buttons		X
56. Epoxy		X
57. Cribbing		X
58. Water distribution materials		X
59. Steel "H" piles		X
60. Steel pipe for concrete pile casings		X
61. Steel pile tips, standard		X
62. Steel pile tips, custom	X	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW [39.12.010](#)

(The definition of "locality" in RCW [39.12.010](#)(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential *** ALL ASSOCIATED RATES ***
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

**Washington State Department of Labor and Industries
Policy Statements
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)**

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
 - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
 - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- 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, 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 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.
 - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

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 four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- 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.

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

Overtime Codes Continued

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 of wage.
- 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.
- S. All hours worked on Saturdays and Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.
- T. The first two (2) hours of overtime for hours worked Monday-Friday 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 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. For work on Saturday which is scheduled prior to the end of shift on Friday, the first six (6) hours work shall be paid at one and one-half times the hourly rate of wage, and all hours over (6) shall be paid double the hourly rate of wage. For work on Saturday which was assigned following the close of shift on Friday, all work shall be paid at double the hourly rate of wage.
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. V. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established or outside the normal shift (5 am to 6pm), and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

- W. 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.

When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

- X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Overtime Codes Continued

4. Y. 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. 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.

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.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
- I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- 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).

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

Holiday Codes Continued

5. 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).
6. 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).
- 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).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).
- 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.

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

Holiday Codes Continued

7. D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- 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.

Holiday Codes Continued

7. 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.
- 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)

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

Holiday Codes Continued

15. 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.
- E. Holidays: the day before New Years's Day, New Year's Day, Martin Luther King, Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day. (12)

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.
- 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.
- 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.

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

Note Codes Continued

8. V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.
- X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50. Special Shift Premium: Basic hourly rate plus \$2.00 per hour.
- When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)
- Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.
- Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.
- Z. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Note Codes Continued

9. A. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid \$0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

(A) – 130’ to 199’ – \$0.50 per hour over their classification rate.

(B) – 200’ to 299’ – \$0.80 per hour over their classification rate.

(C) – 300’ and over – \$1.00 per hour over their classification rate.

- B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

- C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

- D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

- E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.

"General Decision Number: WA20200001 03/13/2020
 Superseded General Decision Number: WA20190001
 State: Washington
 Construction Type: Highway
 Counties: Washington Statewide.
 HIGHWAY (Excludes D.O.E. Hanford Site in Benton and Franklin
 Counties)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	02/14/2020
2	02/28/2020
3	03/06/2020
4	03/13/2020

CARP0003-006 06/01/2018

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLUCKITAT, LEWIS(Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA, and WAHAKIAKUM Counties.

	Rates	Fringes
Carpenters:		
CARPENTERS.....	\$ 37.64	16.83
DIVERS TENDERS.....	\$ 43.73	16.83
DIVERS.....	\$ 87.73	16.83
DRYWALL.....	\$ 37.64	16.83
MILLWRIGHTS.....	\$ 38.17	16.83
PILEDRIVERS.....	\$ 38.71	16.83

DEPTH PAY:
 50 TO 100 FEET \$1.00 PER FOOT OVER 50 FEET
 101 TO 150 FEET \$1.50 PER FOOT OVER 101 FEET
 151 TO 200 FEET \$2.00 PER FOOT OVER 151 FEET

Zone Differential (Add up Zone 1 rates):
 Zone 2 - \$0.85
 Zone 3 - 1.25
 Zone 4 - 1.70
 Zone 5 - 2.00
 Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND VANCOUVER, (NOTE: All dispatches for Washington State Counties: Cowlitz, Wahkiakum and Pacific shall be from Longview Local #1707 and mileage shall be computed from that point.)

ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities
 ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities
 ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities
 ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.
 ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities
 ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

CARP0030-004 06/01/2019

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM Counties

	Rates	Fringes
CARPENTER		
BRIDGE CARPENTERS.....	\$ 45.92	16.52
CARPENTERS ON CREOSOTE MATERIAL.....	\$ 46.02	16.52
CARPENTERS.....	\$ 45.92	16.52
DIVERS TENDER.....	\$ 50.79	16.52
DIVERS.....	\$ 99.68	16.52
MILLWRIGHT AND MACHINE ERECTORS.....	\$ 47.42	16.52
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING.....	\$ 46.17	16.52

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$.70/hour
Over 45 radius miles	\$1.50/hour

 CARP0059-002 06/01/2019

ADAMS, ASOTIN, BENTON, CHELAN (East of 120th meridian),
 COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT (East of
 120th meridian), KITTITAS (East of 120th meridian), LINCOLN,
 OKANOGAN (East of 120th meridian), PEND OREILLE, SPOKANE,
 STEVENS, WALLA WALLA, WHITMAN, and YAKIMA (East of 120th
 meridian) Counties

	Rates	Fringes
CARPENTER		
GROUP 1.....	\$ 35.47	16.88
GROUP 2.....	\$ 47.42	18.96
GROUP 3.....	\$ 36.66	16.88
GROUP 4.....	\$ 36.66	16.88
GROUP 5.....	\$ 83.96	16.88
GROUP 6.....	\$ 40.23	16.88
GROUP 7.....	\$ 41.23	16.88
GROUP 8.....	\$ 37.66	16.88
GROUP 9.....	\$ 44.23	16.88

CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter

GROUP 2: Millwright, Machine Erector

GROUP 3: Piledriver - includes driving, pulling, cutting,
 placing collars, setting, welding, or creosote treated
 material, on all piling

GROUP 4: Bridge, Dock, and Wharf carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby

GROUP 8: Assistant Diver Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-45 MILES	FREE
ZONE 2	45-100	\$4.00/PER HOUR
ZONE 3	OVER 100 MILES	\$6.00/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (515 N Neel Street) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS/PILEDRIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: MOSCOW (306 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:

50-100 feet \$2.00 per foot
101-150 feet \$3.00 per foot
151-220 feet \$4.00 per foot
221 feet and deeper \$5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:

0-25 feet Free
26-300 feet \$1.00 per Foot

SATURATION DIVING:

The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + \$.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + \$.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + \$.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +\$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

 CARP0770-003 06/01/2019

WEST OF 120TH MERIDIAN FOR THE FOLLOWING COUNTIES:
 CHELAN, DOUGLAS, GRANT, KITTITAS, OKANOGAN, and YAKIMA

	Rates	Fringes
CARPENTER		
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 46.02	16.52
CARPENTERS.....	\$ 45.92	16.52
DIVERS TENDER.....	\$ 50.79	16.52
DIVERS.....	\$ 99.68	16.52
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 47.42	16.52
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 46.17	16.52

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles Free
 26-45 radius miles \$.70/hour
 Over 45 radius miles \$1.50/hour

*** ELEC0046-001 02/03/2020**

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 59.91	3%+21.46
ELECTRICIAN.....	\$ 57.51	3%+22.06

* ELEC0048-003 01/01/2020

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 47.85	24.41

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

Zone 1: 31-50 miles \$1.50/hour
 Zone 2: 51-70 miles \$3.50/hour
 Zone 3: 71-90 miles \$5.50/hour
 Zone 4: Beyond 90 miles \$9.00/hour

*These are not miles driven. Zones are based on Delorme Street Atlas USA 2006 plus.

ELEC0048-029 01/01/2020

COWLITZ AND WAHAKIAKUM COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 47.85	24.41

 ELEC0073-001 01/01/2020

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN
 COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 34.10	16.68
ELECTRICIAN.....	\$ 36.05	19.23

ELEC0076-002 08/31/2018

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON
 COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 48.06	23.23
ELECTRICIAN.....	\$ 43.69	23.10

ELEC0112-005 06/01/2019

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA
 WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 48.35	21.13
ELECTRICIAN.....	\$ 46.05	21.06

ELEC0191-003 06/01/2019

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.23	17.73
ELECTRICIAN.....	\$ 46.45	23.66

ELEC0191-004 06/01/2018

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 40.82	17.63
ELECTRICIAN.....	\$ 42.45	21.34

* ENGI0302-003 06/01/2019

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 1A.....	\$ 46.78	21.22
Group 1AA.....	\$ 47.46	21.22
Group 1AAA.....	\$ 48.14	21.22
Group 1.....	\$ 46.09	21.22
Group 2.....	\$ 45.50	21.22
Group 3.....	\$ 44.98	21.22
Group 4.....	\$ 42.10	21.22

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator- Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish machine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

ENGI0370-002 07/01/2019

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 28.46	17.25
GROUP 2.....	\$ 28.78	17.25
GROUP 3.....	\$ 29.39	17.25
GROUP 4.....	\$ 29.55	17.25
GROUP 5.....	\$ 29.71	17.25
GROUP 6.....	\$ 29.99	17.25
GROUP 7.....	\$ 30.26	17.25
GROUP 8.....	\$ 31.36	17.25

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment(8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operaoatr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerwoman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel(under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)
 180 ft to 250 ft \$.50 over scale
 Over 250 ft \$.80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

 ENGI0612-001 09/28/2018

PIERCE County

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 44.44	19.97
GROUP 1AA.....	\$ 45.09	19.97
GROUP 1AAA.....	\$ 45.73	19.97
GROUP 1.....	\$ 43.79	19.97
GROUP 2.....	\$ 43.23	19.97
GROUP 3.....	\$ 42.74	19.97
GROUP 4.....	\$ 40.01	19.97

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom
(including jib with attachments)

GROUP 1AA - Cranes- 200 tons to 300 tons, or 250 ft of boom
(including jib with attachments; Tower crane over 175 ft in
height, base to boom)

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
(including jib with attachments); Crane-overhead, bridge
type, 100 tons and over; Tower crane up to 175 ft in height
base to boom; Loaders-overhead, 8 yards and over; Shovels,
excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft
of boom (including jib with attachments); Crane-overhead,
bridge type, 45 tons thru 99 tons; Derricks on building
work; Excavator, shovel, backhoes over 3 yards and under 6
yards; Hard tail end dump articulating off-road equipment
45 yards and over; Loader- overhead, 6 yards to, but not
including, 8 yards; Mucking machine, mole, tunnel, drill
and/or shield; Quad 9 HD 41, D-10; Remote control operator
on rubber tired earth moving equipment; Rollagon; Scrapers-
self-propelled 45 yards and over; Slipform pavers;
Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-
concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with
attachments; Crane-Overhead, bridge type, 20 tons through
44 tons; Chipper; Concrete pump-truck mount with boom
attachment; Crusher; Deck engineer/deck winches (power);
Drilling machine; Excavator, shovel, backhoe-3 yards and
under; Finishing machine, Bidwell, Gamaco and similar
equipment; Guardrail punch; Loaders, overhead under 6
yards; Loaders-plant feed; Locomotives-all; Mechanics- all;
Mixers, asphalt plant; Motor patrol graders, finishing;
Piledriver (other than crane mount); Roto-mill, roto-
grinder; Screedman, spreader, topside operator-Blaw Knox,
Cedar Rapids, Jaeger, Caterpillar, Barbar Green;
Scraper-self- propelled, hard tail end dump, articulating
off-road equipment- under 45 yards; Subgrader trimmer;
Tractors, backhoe over 75 hp; Transfer material service
machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane
oiler/driver-100 tons and over; Truck Mount Portable
Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$.50 per hour.

H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

ENGI0612-012 09/28/2018

LEWIS, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 44.44	19.97
GROUP 1AA.....	\$ 45.09	19.97
GROUP 1AAA.....	\$ 45.73	19.97
GROUP 1.....	\$ 43.79	19.97
GROUP 2.....	\$ 43.23	19.97
GROUP 3.....	\$ 42.74	19.97
GROUP 4.....	\$ 40.01	19.97

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$.50 per hour.

H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

 ENGI0701-002 01/01/2018

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 41.65	14.35
GROUP 1A.....	\$ 43.73	14.35
GROUP 1B.....	\$ 45.82	14.35
GROUP 2.....	\$ 39.74	14.35
GROUP 3.....	\$ 38.59	14.35
GROUP 4.....	\$ 37.51	14.35
GROUP 5.....	\$ 36.27	14.35
GROUP 6.....	\$ 33.05	14.35

Zone Differential (add to Zone 1 rates):

Zone 2 - \$3.00

Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1

Concrete Batch Plan and or Wet mix three (3) units or more; Crane, Floating one hundred and fifty (150) ton but less than two hundred and fifty (250) ton; Crane, two hundred (200) ton through two hundred ninety nine (299) ton with two hundred foot (200') boom or less (including jib, inserts and/or attachments); Crane, ninety (90) ton through one hundred ninety nine (199) ton with over two hundred (200') boom Including jib, inserts and/or attachments); Crane, Tower Crane with one hundred seventy five foot (175') tower or less and with less than two hundred foot (200') jib; Crane, Whirley ninety (90) ton and over; Helicopter when used in erecting work

Group 1A

Crane, floating two hundred fifty (250) ton and over; Crane, two hundred (200) ton through two hundred ninety nine (299) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Crane, three hundred (300) ton through three hundred ninety nine (399) ton; Crane, Tower Crane with over one hundred seventy five foot (175') tower or over two hundred foot (200') jib; Crane, tower Crane on rail system or 2nd tower or more in work radius

Group 1B

Crane, three hundred (300) ton through three hundred ninety nine (399) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Floating crane, three hundred fifty (350) ton and over; Crane, four hundred (400) ton and over

Group 2

Asphalt Plant (any type); Asphalt Roto-Mill, pavement profiler eight foot (8') lateral cut and over; Auto Grader or "Trimmer"; Blade, Robotic; Bulldozer, Robotic Equipment (any type); Bulldozer, over one hundred twenty thousand (120,000) lbs. and above; Concrete Batch Plant and/or Wet Mix one (1) and two (2) drum; Concrete Diamond Head Profiler; Canal Trimmer; Concrete, Automatic Slip Form Paver (Assistant to the Operator required); Crane, Boom Truck fifty (50) ton and with over one hundred fifty foot (150') boom and over; Crane, Floating (derrick barge) thirty (30) ton but less than one hundred fifty (150) ton; Crane, Cableway twenty-five (25) ton and over; Crane, Floating Clamshell three (3) cu. Yds. And over; Crane, ninety (90) ton through one hundred ninety nine (199) ton up to and including two hundred foot (200') of boom (including jib inserts and/or attachments); Crane, fifty (50) ton through eighty nine (89) ton with over one hundred fifty foot (150') boom (including jib inserts and/or attachments); Crane, Whirley under ninety (90) ton; Crusher Plant; Excavator over one hundred thirty thousand (130,000) lbs.; Loader one hundred twenty thousand (120,000) lbs. and above; Remote Controlled Earth Moving Equipment; Shovel, Dragline, Clamshell, five (5) cu. Yds. And over; Underwater Equipment remote or otherwise, when used in construction work; Wheel Excavator any size

Group 3

Bulldozer, over seventy thousand (70,000) lbs. up to and including one hundred twenty thousand (120,000) lbs.; Crane, Boom Truck fifty (50) ton and over with less than one hundred fifty foot (150') boom; Crane, fifty (50) ton through eighty nine (89) ton with one hundred fifty foot (150') boom or less (including jib inserts and/or attachments); Crane, Shovel, Dragline or Clamshell three (3) cu. yds. but less than five (5) cu. Yds.; Excavator over eighty thousand (80,000) lbs. through one hundred thirty thousand (130,000) lbs.; Loader sixty thousand (60,000) lbs. and less than one hundred twenty thousand (120,000) lbs.

Group 4

Asphalt, Screed; Asphalt Paver; Asphalt Roto-Mill, pavement profiler, under eight foot (8') lateral cut; Asphalt, Material Transfer Vehicle Operator; Back Filling Machine; Backhoe, Robotic, track and wheel type up to and including twenty thousand (20,000) lbs. with any attachments; Blade (any type); Boatman; Boring Machine; Bulldozer over twenty thousand (20,000) lbs. and more than one hundred (100) horse up to seventy thousand (70,000) lbs.; Cable-Plow (any type); Cableway up to twenty five (25) ton; Cat Drill (John Henry); Chippers; Compactor, multi-engine; Compactor, Robotic; Compactor with blade self-propelled; Concrete, Breaker; Concrete, Grout Plant; Concrete, Mixer Mobile; Concrete, Paving Road Mixer; Concrete, Reinforced Tank Banding Machine; Crane, Boom Truck twenty (20) ton and under fifty (50) ton; Crane, Bridge Locomotive, Gantry and Overhead; Crane, Carry Deck; Crane, Chicago Boom and similar types; Crane, Derrick Operator, under one hundred (100) ton; Crane, Floating Clamshell, Dragline, etc. Operator, under three (3) cu. yds. Or less than thirty (30) ton; Crane, under fifty (50) ton; Crane, Quick Tower under one hundred foot (100') in height and less than one hundred fifty foot (150') jib (on rail included); Diesel-Electric Engineer (Plant or Floating); Directional Drill over twenty thousand (20,000) lbs. pullback; Drill Cat Operator; Drill Doctor and/or Bit Grinder; Driller, Percussion, Diamond, Core, Cable, Rotary and similar type; Excavator Operator over twenty thousand (20,000) lbs. through eighty thousand (80,000) lbs.; Generator Operator; Grade-all; Guardrail Machines, i.e. punch, auger, etc.; Hammer Operator (Piledriver); Hoist, stiff leg, guy derrick or similar type, fifty (50) ton and over; Hoist, two (2) drums or more; Hydro Axe (loader mounted or similar type); Jack Operator, Elevating Barges, Barge Operator, self-unloading; Loader Operator, front end and overhead, twenty five thousand (25,000) lbs. and less than sixty thousand (60,000) lbs.; Log Skidders; Piledriver Operator (not crane type); Pipe, Bending, Cleaning, Doping and Wrapping Machines; Rail, Ballast Tamper Multi-Purpose; Rubber-tired Dozers and Pushers; Scraper, all types; Side-Boom; Skip Loader, Drag Box; Strump Grinder (loader mounted or similar type); Surface Heater and Planer; Tractor, rubber-tired, over fifty (50) HP Flywheel; Trenching Machine three foot (3') depth and deeper; Tub Grinder (used for wood debris); Tunnel Boring Machine Mechanic; Tunnel, Mucking Machine; Ultra High Pressure Water Jet Cutting Tool System Operator; Vacuum Blasting Machine Operator; Water pulls, Water wagons

Group 5

Asphalt, Extrusion Machine; Asphalt, Roller (any asphalt mix); Asphalt, Roto-Mill pavement profiler ground man; Bulldozer, twenty thousand (20,000) lbs. or less, or one hundred (100) horse or less; Cement Pump; Chip Spreading Machine; Churn Drill and Earth Boring Machine; Compactor, self-propelled without blade; Compressor, (any power) one thousand two hundred fifty (1,250) cu. ft. and over, total capacity; Concrete, Batch Plant Quality control; Concrete, Combination Mixer and compressor operator, gunite work; Concrete, Curb Machine, Mechanical Berm, Curb and/or Curb and Gutter; Concrete, Finishing Machine; Concrete, Grouting Machine; Concrete, Internal Full Slab Vibrator Operator; Concrete, Joint Machine; Concrete, Mixer single drum, any capacity; Concrete, Paving Machine eight foot (8') or less; Concrete, Planer; Concrete, Pump; Concrete, Pump Truck; Concrete, Pumpcrete Operator (any type); Concrete, Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Conveyored Material Hauler; Crane, Boom Truck under twenty (20) tons; Crane, Boom Type lifting device, five (5) ton capacity or less; Drill, Directional type less than twenty thousand (20,000) lbs. pullback; Fork Lift, over ten (10) ton or Robotic; Helicopter Hoist; Hoist Operator, single drum; Hydraulic Backhoe track type up to and including twenty thousand (20,000) lbs.; Hydraulic Backhoe wheel type (any make); Laser Screed; Loaders, rubber-tired type, less than twenty five thousand (25,000) lbs.; Pavement Grinder and/or Grooving Machine (riding type); Pipe, cast in place Pipe Laying Machine; Pulva-Mixer or similar types; Pump Operator, more than five (5) pumps (any size); Rail, Ballast Compactor, Regulator, or Tamper machines; Service Oiler (Greaser); Sweeper Self-Propelled; Tractor, Rubber-Tired, fifty (50) HP flywheel and under; Trenching Machine Operator, maximum digging capacity three foot (3') depth; Tunnel, Locomotive, Dinkey; Tunnel, Power Jumbo setting slip forms, etc.

Group 6

Asphalt, Pugmill (any type); Asphalt, Raker; Asphalt, Truck Mounted Asphalt Spreader, with Screed; Auger Oiler; Boatman; Bobcat, skid steer (less than one (1) yard); Broom, self-propelled; Compressor Operator (any power) under 1,250 cu. ft. total capacity; Concrete Curing Machine (riding type); Concrete Saw; Conveyor Operator or Assistant; Crane, Tugger; Crusher Feederman; Crusher Oiler; Deckhand; Drill, Directional Locator; Fork Lift; Grade Checker; Guardrail Punch Oiler; Hydrographic Seeder Machine, straw, pulp or seed; Hydrostatic Pump Operator; Mixer Box (CTB, dry batch, etc.); Oiler; Plant Oiler; Pump (any power); Rail, Brakeman, Switchman, Motorman; Rail, Tamping Machine, mechanical, self-propelled; Rigger; Roller grading (not asphalt); Truck, Crane Oiler-Driver

IRON0014-005 07/01/2019

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.59	29.26

IRON0029-002 05/01/2018

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.00	27.87

IRON0086-002 07/01/2019

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.59	29.26

IRON0086-004 07/01/2019

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 42.35	29.56

LABO0238-004 06/01/2019

PASCO AREA: ADAMS, BENTON, COLUMBIA, DOUGLAS (East of 120th Meridian), FERRY, FRANKLIN, GRANT, OKANOGAN, WALLA WALLA

SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE, STEVENS & WHITMAN COUNTIES

	Rates	Fringes
LABORER (PASCO)		
GROUP 1.....	\$ 25.84	13.00
GROUP 2.....	\$ 27.94	13.00
GROUP 3.....	\$ 28.21	13.00
GROUP 4.....	\$ 28.48	13.00
GROUP 5.....	\$ 28.76	13.00
LABORER (SPOKANE)		
GROUP 1.....	\$ 25.84	13.00
GROUP 2.....	\$ 27.94	13.00
GROUP 3.....	\$ 28.21	13.00
GROUP 4.....	\$ 28.48	13.00
GROUP 5.....	\$ 28.76	13.00

Zone Differential (Add to Zone 1 rate): \$2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office.

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezecrete or similar machine, 6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder, Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include

all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Asphalt Raker; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunitite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

 LABO0238-006 06/01/2019

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON,
 CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT,
 LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA,
 WHITMAN

	Rates	Fringes
Hod Carrier.....	\$ 27.95	12.90

LABO0242-003 06/01/2019

KING COUNTY

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 27.10	11.94
GROUP 2A.....	\$ 31.03	11.94
GROUP 3.....	\$ 38.78	11.94
GROUP 4.....	\$ 39.72	11.94
GROUP 5.....	\$ 40.36	11.94
Group 6.....	\$ 40.36	12.04

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
 TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
 TOWNSEND, PT. ANGELES, AND BREMERTON

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
- ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$1.00
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2A: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

Group 6: Miner

LABO0252-010 06/01/2019

CLALLAM, GRAYS HARBOR, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC
(EXCLUDING SOUTHWEST), PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 27.10	11.94
GROUP 2.....	\$ 31.03	11.94
GROUP 3.....	\$ 38.78	11.94
GROUP 4.....	\$ 39.72	11.94
GROUP 5.....	\$ 40.36	11.94

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall
 ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall
 ZONE 3 - More than 45 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$1.00
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective
city hall
 ZONE 2 - More than 25 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window
Washer/Cleaner (detail clean-up, such as but not limited to
cleaning floors, ceilings, walls, windows, etc., prior to
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Grade Checker and Transit Person; High Scaler; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0292-008 06/01/2019

ISLAND, SAN JUAN, SKAGIT, SNOHOMISH, AND WHATCOM COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 27.10	11.94
GROUP 2.....	\$ 31.03	11.94
GROUP 3.....	\$ 38.78	11.94
GROUP 4.....	\$ 39.72	11.94
GROUP 5.....	\$ 40.36	11.94

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall

ZONE 3 - More than 45 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$1.00

ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window
Washer/Cleaner (detail clean-up, such as but not limited to
cleaning floors, ceilings, walls, windows, etc., prior to
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0335-001 06/01/2018

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 31.72	11.49
GROUP 2.....	\$ 32.38	11.49
GROUP 3.....	\$ 32.87	11.49
GROUP 4.....	\$ 33.29	11.49
GROUP 5.....	\$ 28.98	11.49
GROUP 6.....	\$ 26.31	11.49
GROUP 7.....	\$ 22.78	11.49

Zone Differential (Add to Zone 1 rates):

Zone 2 \$ 0.65

Zone 3 - 1.15

Zone 4 - 1.70

Zone 5 - 2.75

BASE POINTS: LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Pwdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-019 06/01/2018

	Rates	Fringes
Hod Carrier.....	\$ 31.72	11.49

LABO0348-003 06/01/2019

CHELAN, DOUGLAS (W OF 12TH MERIDIAN), KITTITAS, AND YAKIMA COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 23.12	11.94
GROUP 2.....	\$ 26.51	11.94
GROUP 3.....	\$ 29.01	11.94
GROUP 4.....	\$ 29.71	11.94
GROUP 5.....	\$ 30.22	11.94

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
 ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
 ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$1.00
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
 ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

PAIN0005-002 07/01/2019

STATEWIDE EXCEPT CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH),
SKAMANIA, AND WAHAKIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS.....	\$ 31.61	16.07

PAIN0005-004 03/01/2009

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND
WHATCOM COUNTIES

	Rates	Fringes
PAINTER.....	\$ 20.82	7.44

* PAIN0005-006 07/01/2018

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE);
CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS,
LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA,
WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
PAINTER		
Application of Cold Tar		
Products, Epoxies, Polyure		
thanes, Acids, Radiation		
Resistant Material, Water		
and Sandblasting.....	\$ 30.19	11.71
Over 30'/Swing Stage Work..	\$ 22.20	7.98
Brush, Roller, Striping,		
Steam-cleaning and Spray....	\$ 22.94	11.61
Lead Abatement, Asbestos		
Abatement.....	\$ 21.50	7.98

*\$.70 shall be paid over and above the basic wage rates
listed for work on swing stages and high work of over 30
feet.

PAIN0055-003 07/01/2019

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 25.14	12.90
Spray and Sandblasting.....	\$ 25.14	12.90

All high work over 60 ft. = base rate + \$0.75

PAIN0055-006 07/01/2019

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT		
STRIPER.....	\$ 35.45	12.56

PLAS0072-004 06/01/2019

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1.....	\$ 30.21	14.93

Zone Differential (Add to Zone 1 rate): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Lewiston; Wenatchee
Zone 1: 0 - 45 radius miles from the main post office
Zone 2: Over 45 radius miles from the main post office

PLAS0528-001 06/01/2019

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
CEMENT MASON		
CEMENT MASON.....	\$ 44.43	18.04
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.....	\$ 44.93	18.04
TROWELING MACHINE OPERATOR ON COMPOSITION.....	\$ 44.93	18.04

PLAS0555-002 07/01/2019

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
CEMENT MASON		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 37.32	18.77
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 36.58	18.77
CEMENT MASONS.....	\$ 35.85	18.77
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 36.58	18.77

Zone Differential (Add To Zone 1 Rates):

- Zone 2 - \$0.65
- Zone 3 - 1.15
- Zone 4 - 1.70
- Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

- ZONE 1: Projects within 30 miles of the respective city hall
- ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
- ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
- ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
- ZONE 5: More than 80 miles from the respective city hall

TEAM0037-002 06/01/2019

CLARK, COWLITZ, KLUCKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1.....	\$ 29.08	15.27
GROUP 2.....	\$ 29.20	15.27
GROUP 3.....	\$ 29.34	15.27
GROUP 4.....	\$ 29.62	15.27
GROUP 5.....	\$ 29.85	15.27
GROUP 6.....	\$ 30.03	15.27
GROUP 7.....	\$ 30.24	15.27

Zone Differential (Add to Zone 1 Rates):

- Zone 2 - \$0.65
- Zone 3 - 1.15
- Zone 4 - 1.70
- Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix trucks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom dumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

* TEAM0174-001 06/01/2019

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	\$ 40.38	20.46
GROUP 2:.....	\$ 39.54	20.46
GROUP 3:.....	\$ 36.73	20.46
GROUP 4:.....	\$ 31.76	20.46
GROUP 5:.....	\$ 39.93	20.46

ZONE B (25-45 miles from center of listed cities*): Add \$.70 per hour to Zone A rates.

ZONE C (over 45 miles from centr of listed cities*): Add \$1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired)(when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by \$2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

TEAM0690-004 01/01/2019

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,
FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA
COUNTIES

	Rates	Fringes
Truck drivers: (AREA 1: SPOKANE ZONE CENTER: Adams, Chelan, Douglas, Ferry, Grant, Kittitas, Lincoln, Okanogan, Pen Oreille, Spokane, Stevens, and Whitman Counties		
AREA 1: LEWISTON ZONE CENTER: Asotin, Columbia, and Garfield Counties		
AREA 2: PASCO ZONE CENTER: Benton, Franklin, Walla Walla and Yakima Counties)		
AREA 1:		
GROUP 1.....	\$ 23.91	17.40
GROUP 2.....	\$ 26.18	17.40
GROUP 3.....	\$ 26.68	17.40
GROUP 4.....	\$ 27.01	17.40
GROUP 5.....	\$ 27.12	17.40
GROUP 6.....	\$ 27.29	17.40
GROUP 7.....	\$ 27.82	17.40
GROUP 8.....	\$ 28.18	17.40
AREA 2:		
GROUP 1.....	\$ 26.05	17.40
GROUP 2.....	\$ 28.69	17.40
GROUP 3.....	\$ 28.80	17.40
GROUP 4.....	\$ 29.13	17.40
GROUP 5.....	\$ 29.24	17.40
GROUP 6.....	\$ 29.24	17.40
GROUP 7.....	\$ 29.78	17.40
GROUP 8.....	\$ 30.10	17.40

Zone Differential (Add to Zone 1 rate: Zone 1 + \$2.00)

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi-end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:

Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION"

APPENDIX B

BID PROPOSAL DOCUMENTS

INCLUDING:

Notice to Contractor

Proposal Form

Non-Collusion Declaration

Proposal Signature Page

Certification of Compliance with Wage Payment Statutes



Lewis County Department of Public Works

Josh S. Metcalf, PE, Director

Tim Fife, PE, County Engineer

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Lewis County or designee, will open sealed proposals and publicly read them aloud on or after 11:00 a.m. on **Tuesday, April 7, 2020**, at the Lewis County Courthouse in Chehalis, Washington for the Snyder Rd MP 0.20 Culvert Replacement Project, SM 90-15F721210020, FEMA No. PA-10-WA-4253-PW-00112

SEALED BIDS MUST BE DELIVERED BY OR BEFORE 11:00 A.M. on Tuesday, April 7, 2020

(Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners.
Bids submitted after 11:00 AM will not be considered for this project.)

Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532), by or before **11:00 A.M.** on the date specified for opening, and in an envelope clearly marked: **"SEALED BID FOR THE SNYDER RD MP 0.20 CULVERT REPLACEMENT PROJECT, SM 90-15F721210020, FEMA No. PA-10-WA-4253-PW-00112, TO BE OPENED ON OR AFTER 11:00 A.M. ON TUESDAY, APRIL 7, 2020."**

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check or surety bond in an amount equal to five percent (5%) of the amount of such bid proposal. Should the successful bidder fail to enter into such contract and furnish satisfactory contract bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to the Lewis County Public Works Department.

Informational copies of maps, plans and specifications are on file for inspection in the office of the County Engineer of Lewis County in Chehalis, Washington. The contract documents may be viewed and downloaded from Lewis County's Web Site @ www.lewiscountywa.gov or you may call the Lewis County Engineers office @ (360)740-2612 and request a copy be mailed to you. All Contractor questions and Lewis County clarifying answers will be posted on our website and emailed to all Contractors registered on Lewis County's Planholder List. Plan or specification changes shall be accomplished through official project addendums.

The Lewis County Public Works Department 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, or national origin, or sex in consideration for an award.

PROPOSAL

TO: BOARD OF COUNTY COMMISSIONERS
LEWIS COUNTY
CHEHALIS, WASHINGTON 98532

This certifies that the undersigned has examined the location of the Snyder Rd MP 0.20 Culvert Replacement Project - SM15F721210020 (FEMA Project No. PA-10-WA-4253-PW-00112), near Packwood in Lewis County, Washington, and that the plans, specifications and contract governing the work embraced in these improvements, 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 accordance with the said plans, specifications and contract, and the following schedules of rates and prices:

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.

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION	UNIT PRICE		AMOUNT	
			DOLLARS	CENTS	DOLLARS	CENTS
1	1 L.S.	Mobilization		LUMP SUM	\$	
2	0.20 ACRE	Clearing and Grubbing	\$		\$	
3	1 L.S.	Removal of Structures and Obstructions		LUMP SUM	\$	
4	1,245 C.Y.	Structure Excavation Class A Incl. Haul	\$		\$	
5	1 L.S.	Temporary Bypass Road		LUMP SUM	\$	
6	511 TON	Select Borrow Incl. Haul	\$		\$	
7	102 TON	Quarry Spalls	\$		\$	
8	491 TON	Streambed Mix	\$		\$	
9	1 L.S.	Temporary Stream Bypass		LUMP SUM	\$	
10	1 L.S.	Precast Reinf. Conc. Split Box Culvert		LUMP SUM	\$	
11	266 TON	Crushed Surfacing Base Course	\$		\$	
12	63 TON	Crushed Surfacing Top Course	\$		\$	
13	5 TON	Shoulder Finishing	\$		\$	
14	70 TON	HMA Cl. 3/8 In. PG 58H-22 Fiber Reinforced	\$		\$	
15	0 EST.	Erosion / Water Pollution Control		ESTIMATED		\$5,000.00
16	0.15 ACRE	Seeding and Mulching	\$		\$	
17	476 L.F.	High Visibility Silt Fence	\$		\$	
18	1 L.S.	Planting Mitigation Construction		LUMP SUM	\$	
19	4 EACH	Beam Guardrail Type 31 Non-Flared Terminal	\$		\$	
20	119 L.F.	Beam Guardrail Type 31	\$		\$	
21	1 L.S.	Project Temporary Traffic Control		LUMP SUM	\$	
22	191 S.F.	Construction Signs Class A	\$		\$	
23	1 L.S.	Trimming and Cleanup		LUMP SUM	\$	
24	500 S.Y.	Construction Geotextile for Soil Stabilization	\$		\$	
25	0 EST.	Reimbursement for Third Party Damage		ESTIMATED		\$0.00
26	1 L.S.	SPCC Plan		LUMP SUM	\$	
				TOTAL BID	\$	

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, participation in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. **That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.**

NOTICE TO ALL BIDDERS

To report bid rigging activities

1-800-424-9071

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

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

DOT Form 272-036H
Revised 10/94

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.

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:

- CASH IN THE AMOUNT OF _____
- CASHIER'S CHECK _____ DOLLARS
- CERTIFIED CHECK (\$ _____) PAYABLE TO THE LEWIS COUNTY TREASURER
- PROPOSAL BOND IN THE AMOUNT OF 5% OF THE BID

** Receipt is hereby acknowledged of addendum(s) No.(s) _____, _____, _____, & _____

SIGNATURE OF AUTHORIZED OFFICIAL(S)

Proposal Must be Signed

Firm Name

Address

State of Washington Contractor's License No.

Unified Business Identifier (U.B.I.) No.

Telephone No.

Federal ID No.

Note:

This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Lewis County Engineer will be cause for considering the proposal irregular and subsequent rejection of the bid.

* Attach Power of Attorney



Lewis County Department of Public Works

Josh Metcalf, PE, Director

Tim Fife, PE, County Engineer

Certification of Compliance with Wage Payment Statutes

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

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

Bidder's Business Name

Signature of Authorized Official*

Printed Name

Title

Date City State

Check One:
Sole Proprietorship Partnership Joint Venture Corporation

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

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

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

APPENDIX C

CONTRACT DOCUMENTS

INCLUDING:

Contract Form

Contract Bond

Power Equipment List

CONTRACT

THIS AGREEMENT, made and entered into this ___ day of _____, 2020, between the BOARD OF COUNTY COMMISSIONERS of LEWIS COUNTY, State of Washington, acting under and by virtue of RCW 36.77.040, hereinafter called

the Board, and _____ of _____

for ___sel___, heirs, executors, administrators, successors and assigns, hereinafter called the Contractor.

WITNESSETH:

That in consideration of the payments, covenants and agreements hereinafter mentioned to be made and performed by the parties hereto, the parties hereto covenant and agree as follows:

DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all material necessary to improve Snyder Rd MP 0.20 in Lewis County by clearing and grubbing, constructing a temporary traffic detour road, removing the existing damaged CMP culvert, installing a new 20-ft span precast concrete culvert, select borrow backfill, crushed surfacing base and top course, hot mix asphalt, shoulder finishing, traffic control, placing guardrail, and other work, all in Lewis County Washington, in accordance with and as described in the attached plans and specifications, and in full compliance with the terms, conditions and stipulations herein set forth and attached, now referred to and by such reference incorporated herein and made a part hereof as fully for all purposes as if here set forth at length, and shall perform any alterations in or additions to the work covered by this contract and every part thereof and any extra work which may be ordered as provided in this contract and every part thereof.

The Contractor shall provide and be at the expense of all materials, labor, carriage, tools, implements and conveniences and things of every description that may be requisite for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof.

2. The County hereby promises and agrees with the Contractor to hire and does hire the Contractor to provide the materials and to do and cause to be done the above described work and to complete and furnish 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 schedule of unit or itemized prices at the time and in the manner and upon the conditions provided for in this contract and every part thereof. The County further agrees to hire the contractor to perform any alterations in or conditions to the work covered by this contract and every part thereof and any force account work that may be ordered and to pay for the same under the terms of this contract and the attached plans and specifications.

3. The Contractor for himself, and for his heirs, executors administrators, successors and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.

4. It is further provided that no liability shall attach to the County be reason of entering into this contract, except as expressly provided herein.

Contract - 1

5. CANCELLATION OF CONTRACT FOR VIOLATION OF STATE POLICY

This contract, pursuant to RCW 49.28.040 to RCW 49.28.060, may be canceled by the officers or agents of the Owner authorized to contract for or supervise the execution of such work, in case such work is not performed in accordance with the policy of the State of Washington.

6. DOCUMENTS COMPRISING CONTRACT

All documents hereto attached, including but not being limited to the advertisement for bids, information for bidders, bid proposal form, general conditions (if any), special conditions (if any), complete specifications and the complete plans, are hereby made a part of this contract.

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of aforesaid County, pursuant to resolution duly adopted, has caused this instrument to be executed by and in the name of said Board by its Chairman, duly attested by its Clerk, the day and year first above written, and the seal of said Board to be hereunto affixed on the date in this instrument first above written.

By: _____

Contractor

Performance of foregoing contract assured in accordance with the terms of the accompanying bond.

Dated: _____, 2020

By: _____
Surety

By: _____
Attorney-in-fact

APPROVED AS TO FORM:

JONATHAN MEYER Prosecuting Attorney

By: _____
Civil Deputy

APPROVED:

County Engineer

Contract – 2

**CONTRACT BOND FOR
LEWIS COUNTY, WASHINGTON**

Bond No. _____

WE, _____ d/b/a _____
(Insert legal name of Contractor) (Insert trade name of Contractor, if any)

(hereinafter "Principal"), and _____ (hereinafter "Surety"), are held and firmly bound unto **LEWIS COUNTY, WASHINGTON** (hereinafter "County"), as Obligee, in an amount (in lawful money of the United States of America) equal to the total compensation and expense reimbursement payable to Principal for satisfactory completion of Principal's work under Contract No. **SM15F721210020, FEMA No. PA-10-WA-4253-PW-00112** between Principal and County, which total is *initially* _____ Dollars (\$ _____), for the payment of which sum Principal and Surety bind themselves, their executors, administrators, legal representatives, successors and assigns, jointly and severally, firmly by these presents.. Said contract (hereinafter referred to as "the Contract") is for the **Snyder Rd MP 0.20 Culvert Replacement Project**, and is made a part hereof by this reference. The Contract includes the original agreement as well as all documents attached thereto or made a part thereof and amendments, change orders, and any other document modifying, adding to or deleting from said Contract any portion thereof.

This Bond is executed in accordance with the laws of the State of Washington, and is subject to all provisions thereof and the ordinances of County insofar as they are not in conflict therewith, and is entered into for the use and benefit of County, and all laborers, mechanics, subcontractors, and materialmen, and all persons who supply such person or persons, or subcontractors, with provisions or supplies for the carrying on of the work covered by Contract No. **SM15F721210020, FEMA No. PA-10-WA-4253-PW-00112**, between the below-named Contractor and County for the **Snyder Rd MP 0.20 Culvert Replacement Project**, a copy of which Contract, by this reference is made a part hereof and is hereinafter referred to as "the Contract." (The Contract as defined herein includes the aforesaid agreement together with all of the Contract documents including addenda, exhibits, attachments, modifications, alterations, and additions thereto, deletions therefrom, amendments and any other document or provision attached to or incorporated into the Contract)

THE CONDITION OF THIS OBLIGATION is such that if Contractor shall promptly and faithfully perform the Contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

THE PARTIES FURTHER ACKNOWLEDGE & AGREE AS FOLLOWS:

- (1) Surety hereby consents to, and waives notice of, any alteration, change order, or other modification of the Contract and any extension of time made by County, except that any single or cumulative change order amounting to more than twenty-five percent (25%) of the penal sum of this bond shall require Surety's written consent.
- (2) Surety recognizes that the Contract includes provisions for additions, deletions, and modifications to the work or Contract Time and the amounts payable to Contractor. Subject to the limitations contained in paragraph (1) above, no such change or any combination thereof, shall void or impair Surety's obligation hereunder.
- (3) Surety is subject to the provisions contained in Section 1-03.4, "Contract Bond," of the Washington State Department of Transportation (WSDOT) Standard Specifications for Road, Bridge, and Municipal Construction. And such provisions are incorporated by reference. A copy may be viewed at WSDOT's website www.wsdot.wa.gov/fasc/EngineeringPublications/Manuals/.
- (4) Whenever County has declared Contractor to be in default and County has given Surety written notice of such declaration, Surety shall promptly (in no event more than thirty [30] days following receipt of such notice), specify, in written notice to County, which of the following actions Surety intends to take to remedy such default, and thereafter shall:
 - (a) Remedy the default within fifteen (15) days after its notice to County, as stated in such notice; or
 - (b) Assume within fifteen (15) days following its notice to County, full responsibility for the completion of the Contract in accordance with all of its provisions, as stated in such notice, and become entitled to payment of the balance of the Contract sum as provided in the Contract; or
 - (c) Pay County upon completion of the Contract, in cash, the cost of completion together with all other reasonable costs and expenses incurred by County as a result of Contractor's default, including but not limited to those incurred by County to mitigate its losses, which may include but are not limited to attorneys' fees and the cost of efforts to complete the work prior to Surety's exercising any option available to it under this Bond; or
 - (d) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon a determination by County and Surety jointly of the lowest responsible bidder, arrange for one or more agreements between such bidder and County, and make available as work progresses (even though there is a default or a succession of defaults under such agreement(s) for completion arranged for under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price, but not exceeding, including other costs and damages for which Surety may be liable hereunder, the penal sum of this Bond. The term "balance of the Contract price," as used in this paragraph, shall mean the total amount payable by County to Contractor under the Contract, less the amount properly paid by County to Contractor.

(5) If County commences suit and obtains judgment against Surety for recovery hereunder, then Surety, in addition to such judgment, shall pay all costs and attorneys' fees incurred by County in enforcement of County's rights hereunder. The venue for any action arising out of or in connection with this bond shall be in Lewis County, Washington.

(6) No right or action shall accrue on this Bond to or for the use of any person or corporation other than Lewis County, except as herein provided.

(7) No rider, amendment or other document modifies this Bond except as follows, which by this reference is incorporated herein:

SURETY'S QUALIFICATIONS: Every Surety named on this bond must appear on the United States Treasury Department's most current list (Circular 570 as amended or superseded) and be authorized by the Washington State Insurance Commissioner to transact business as a surety in the State of Washington. In addition, the Surety must have a current rating of at least A-:VII in A. M. Best's Key Rating Guide.

INSTRUCTIONS FOR SIGNATURES: This bond must be signed by the president or a vice-president of a corporation; the managing general partner of a partnership; managing joint venturer of a joint venture; manager of a limited liability company or, if no manager has been designated, a member of such LLC; a general partner of a limited liability partnership; or the owner(s) of a sole proprietorship. If the bond is signed by any other representative, the Principal must attach currently-dated, written proof of that signer's authority to bind the Principal, identifying and quoting the provision in the corporate articles of incorporation, bylaws, Board resolution, partnership agreement, certificate of formation, or other document authorizing delegation of signature authority to such signer, and confirmation acceptable to the County that such delegation was in effect on the date the bond was signed. **A NOTARY PUBLIC MUST ACKNOWLEDGE EACH SIGNATURE BELOW.**

FOR THE SURETY:

FOR THE PRINCIPAL:

By _____
(Signature of Attorney-in-Fact)

By: _____
(Signature of authorized signer for Contractor)

(Type or print name of Attorney-in-Fact)

(Type or print name of signer for Contractor)

(Type or print telephone number for Attorney-in-Fact)

(Type or print title of signer for Contractor)

STATE OF _____)
) ss:
COUNTY OF _____)

ACKNOWLEDGMENT FOR CONTRACTOR

On this ____ day of _____, ____, before me a notary public in and for the State of _____, duly commissioned and sworn, personally appeared _____, the person described in and who executed the foregoing bond, and acknowledged to me that _____ signed and sealed said bond as the free and voluntary act and deed of the Contractor so identified in the foregoing bond for the uses and purposes therein mentioned, and on oath stated that _____ is authorized to execute said bond for the Contractor named therein. WITNESS my hand and official seal hereto affixed the day and year in this certificate first above written.

(Signature of Notary Public)

(Print or type name of Notary Public)

Notary Public in and for the State of _____ residing at _____
My commission expires _____.

SEAL →

STATE OF _____)
) ss:
COUNTY OF _____)

ACKNOWLEDGMENT FOR SURETY

On this ____ day of _____, ____, before me a notary public in and for the State of _____, duly commissioned and sworn, personally appeared _____, Attorney-in-Fact for the Surety that executed the foregoing bond, and acknowledged said bond to be the free and voluntary act and deed of the Surety for the uses and purposes therein mentioned, and on oath stated that _____ is authorized to execute said bond on behalf of the Surety, and that the seal affixed on said bond or the annexed Power of Attorney is the corporate seal of said Surety. WITNESS my hand and official seal hereto affixed the day and year in this certificate first above written.

(Signature of Notary Public)

(Print or type name of Notary Public)

Notary Public in and for the State of _____ residing at _____
My commission expires _____.

SEAL →

POWER EQUIPMENT LIST

The undersigned furthermore certifies that he/she is thoroughly aware that time is of the essence for the completion of this contract within the time specified in the special provisions, and hereby agrees to provide the Engineer a list of his power equipment to be used on this project.

This equipment list will be used in computing any Force Account that may be performed within this contract.

The Contractor must complete this form in its entirety.

POWER EQUIPMENT

Type of Equipment	Make	Model Number	Serial Number	* Capacity	Year Built

APPENDIX D

FEDERAL CONTRACT PROVISIONS

STATE AND FEDERAL LAWS TO BE OBSERVED

The applicant must comply with all state and federal laws in performing all tasks undertaken with respect to the Public Assistance Program. The following sections are included for informational purposes and are not professed to include all relevant laws. It is the applicant's responsibility to comply with all federal, state, and local laws.

- 1. EQUAL EMPLOYMENT OPPORTUNITY** – All contracts shall contain a provision requiring compliance with E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."
- 2. COPELAND "ANTI-KICKBACK" ACT (18 U.S.C. 874 AND 40 U.S.C. 276c)** – All contracts and subgrants in excess of \$2,000 for construction or repair awarded by recipients and subrecipients shall include a provision for compliance with the Copeland "Anti-Kickback" Act (18 U.S.C. 874), as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled. The recipient shall report all suspected or reported violations to the Federal awarding agency.
- 3. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (40 U.S.C 327-333)** – Where applicable, all contracts awarded by recipients in excess of \$2,000 for construction contracts and in excess of \$2,500 for other contracts that involve the employment of mechanics or laborers shall include a provision for compliance with Sections 102 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), as supplemented by Department of Labor regulations (29 CFR part 5). Under Section 102 of the Act, each contractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than 1 ½ times the basic rate of pay for all hours worked in excess of 40 hours in the work week. Section 107 of the Act is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.
- 4. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT** – Contracts or agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

5. CLEAN AIR ACT (42 U.S.C. 7401 et seq.) AND THE FEDERAL WATER POLLUTION CONTROL ACT(33 U.S.C. 1251 et seq.), as amended – Contractors and subgrants of amounts in excess of \$100,000 shall contain a provision that requires the recipient to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.) Violations shall be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

6. BYRD ANTI-LOBBYING AMENDMENT (31 U.S.C. 1352) – Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying in non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

7. DEBARMENT AND SUSPENSION (E.O.s 12549 and 12689) – No contract shall be made to parties listed on the General Services Administration’s List of Parties Excluded from Federal Procurement or Nonprocurement Programs in accordance with E.O.s 12549 and 12689, “Debarment and Suspension.” This list contains the names of parties debarred, suspended, or otherwise excluded by agencies, and contractors declared ineligible under statutory or regulatory authority other than E.O. 12549. Contractors with awards that exceed the small purchase threshold shall provide the required certification regarding its exclusion status and that of its principal employees.

8. PUBLIC LAW 88-352, TITLE VI OF THE CIVIL RIGHTS ACT OF 1964(42 U.S.C. 2000d et seq.) (24 CFR Part 1). The APPLICANT must comply with the provisions of "Public Law 88-352," which refers to Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.). The law provides that no person in the United States shall, on the grounds of race, color or national origin, be denied the benefits of, be excluded from participation in, or be subjected to discrimination under any program or activity receiving federal financial assistance.

9. SECTION 504 OF THE REHABILITATION ACT, 1973, AS AMENDED (29 U.S.C. 794). The APPLICANT must comply with Section 504 of the Rehabilitation Act of 1973, as amended, which provides that no otherwise qualified individual shall, solely by reason of his or her disability, be excluded from participation (including employment), denied program benefits or be subjected to discrimination under any program or activity receiving federal assistance funds.

10. AMERICANS WITH DISABILITIES ACT (42 U.S.C. 12101, et seq.) The APPLICANT shall comply with the provisions of the Americans with Disabilities Act, 42 U.S.C. 12101, et seq. That Act provides a comprehensive national mandate to eliminate discrimination against individuals with disabilities. The Act may impose requirements on the APPLICANT in four principle ways: 1) with respect to employment; 2) with respect to the provision of public services; 3) with respect to transportation; 4) with respect to existing facilities and new construction.

11. THE NATIONAL ENVIRONMENTAL POLICY ACT OF 1969 (NEPA) (42 U.S.C Section 4321 et seq., and 24 CFR Part 58). The APPLICANT shall comply with the provisions of the National Environmental Policy Act of 1969. The purpose of this Act is to attain the widest use of the environment without degradation, risk to health or safety, or other undesirable and unintended consequences. Environmental review procedures, including determining and publishing a Finding of Significance or of No Significance for a proposal, are a necessary part of this process. Pursuant to these provisions, the APPLICANT must also submit environmental certifications to the DEPARTMENT when requesting that funds be released for the project. The APPLICANT must certify that the proposed project will not significantly impact the environment and that the APPLICANT has complied with environmental regulations and fulfilled its obligations to give public notice of the funding request, environmental findings and compliance performance.

12. EXECUTIVE ORDER 11990, MAY 24, 1977: PROTECTION OF WETLANDS (42 F.R. 26961 et seq.) The APPLICANT shall comply with Executive Order 11990. The intent of this Executive Order is (1) to avoid, to the extent possible, adverse impacts associated with the destruction or modification of wetland, and (2) to avoid direct or indirect support of new construction in wetlands wherever there is a practical alternative. The APPLICANT, to the extent permitted by law, must avoid undertaking or providing assistance for new construction located in wetlands unless (1) there is no practical alternative to such construction, and (2) the proposed action includes all practical measures to minimize harm to wetlands which may result from such use. In making this determination, the APPLICANT may take into account economic, environmental and other pertinent factors.

13. EXECUTIVE ORDER 11988, MAY 24, 1977: FLOODPLAIN MANAGEMENT (42 F.R. 26951 et seq). The APPLICANT shall comply with the provisions of Executive Order 11988. The intent of this Executive Order is to (1) avoid, to the extent possible, adverse impacts associated with the occupancy and modification of floodplains, and (2) avoid direct or indirect support of floodplain development wherever there is a practical alternative. If the APPLICANT proposes to conduct, support or allow an action to be located in a floodplain, the APPLICANT must consider alternatives to avoid adverse effects and incompatible involvement in the floodplain. If siting in a floodplain is the only practical alternative, the APPLICANT must, prior to taking any action (1) design or modify its actions in order to minimize any potential harm to the floodplain, and (2) prepare and circulate a notice containing an explanation of why the action is proposed to be located in a floodplain.

14. THE WILD AND SCENIC RIVERS ACT OF 1968, AS AMENDED (16 U.S.C. 1271 et seq.). The APPLICANT shall comply with the Wild and Scenic Rivers Act. The purpose of this Act is to preserve selected rivers or sections of rivers in their free-flowing condition, to protect the water quality of such rivers and to fulfill other vital national conservation goals. Federal assistance by loan, grant, license, or other mechanism cannot be provided to water resources construction projects that would have a direct and adverse effect on any river included or designated for study or inclusion in the National Wild and Scenic River System.

15. COASTAL ZONE MANAGEMENT ACT OF 1972, AS AMENDED (16 U.S.C. 1451 et seq.). The APPLICANT shall comply with the Coastal Zone Management Act of 1972, as amended. The intent of this Act is to preserve, protect, develop, and where possible, restore or enhance the resources of the nation's coastal zone. Federal agencies cannot approve assistance for proposed projects that are inconsistent with the state's Coastal Zone Management program except upon a finding by the U.S.

Secretary of Commerce that such a project is consistent with the purpose of this chapter or necessary in the interests of national security.

16. THE ENDANGERED SPECIES ACT OF 1973, AS AMENDED (16 U.S.C. 1531 et seq.). The APPLICANT shall comply with the Endangered Species Act of 1973, as amended. The intent of this Act is to ensure that all federally assisted projects seek to preserve endangered or threatened species. Federally authorized and funded projects must not jeopardize the continued existence of endangered and threatened species or result in the destruction of or modification of habitat of such species which is determined by the U.S. Department of the Interior, after consultation with the state, to be critical.

17. THE RESERVOIR SALVAGE ACT OF 1960, AS AMENDED BY THE ARCHAEOLOGICAL AND HISTORIC PRESERVATION ACT OF 1974 (16 U.S.C. 469 et seq.). Under the Reservoir Salvage Act, the APPLICANT must comply with provisions for the preservation of historical and archaeological data (including relics and specimens) that might otherwise be irreparably lost or destroyed as a result of any alteration of the terrain caused as a result of any federal construction project or federally licensed activity or program. Whenever the APPLICANT finds, or is notified in writing by an appropriate historical or archaeological authority, that its activities in connection with any federal funded construction project or federally licensed project, activity or program may cause irreparable loss or destruction of significant scientific, prehistoric, historical or archaeological data, the APPLICANT must stop work immediately and must notify the U.S. Secretary of Interior and the Department in writing and provide appropriate information concerning the project or program activity.

18. THE ARCHAEOLOGICAL AND HISTORICAL DATA PRESERVATION ACT OF 1974 (16 U.S.C. 469 a-1 et seq.). The APPLICANT shall comply with the Archaeological and Historical Data Preservation Act, which provides for the preservation of historic and archaeological information that would be lost due to development and construction activities as a result of federally funded activities.

19. THE SAFE DRINKING WATER ACT OF 1974, AS AMENDED (42 U.S.C. Section 201, 300(f) et seq., and U.S.C. Section 349). The APPLICANT must comply with the Safe Drinking Water Act, as amended, which is intended to protect underground sources of water. No commitment for federal financial assistance, according to this Act, shall be entered into for any project, which the U.S. Environmental Protection Agency determines, may contaminate an aquifer that is the sole or principal drinking water source for an area.

20. THE FEDERAL WATER POLLUTION CONTROL ACT OF 1972, AS AMENDED, INCLUDING THE CLEAR WATER ACT OF 1977, PUBLIC LAW 92-212 (33 U.S.C. SECTION 1251 et seq.). The APPLICANT must assure compliance with the Water Pollution Control Act, as amended, which provides for the restoration of chemical, physical and biological integrity of the nation's water.

21. THE SOLID WASTE DISPOSAL ACT, AS AMENDED BY THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 (42 U.S.C. SECTION 6901 et seq.) The APPLICANT must assure compliance with the Solid Waste Disposal Act, as amended. The purpose of this Act is to promote the protection of health and the environment and to conserve valuable material and energy resources.

22. THE FISH AND WILDLIFE COORDINATION ACT OF 1958, AS AMENDED (16 U.S.C. SECTION 661 et seq.) The APPLICANT must assure compliance with the Fish and Wildlife Coordination Act, as amended. The Act assures that wildlife conservation receives equal consideration and is coordinated with other features of water resources development programs.

23. RELOCATION ASSISTANCE AND REAL PROPERTY ACQUISITION POLICY, CHAPTER 8.26 RCW. The APPLICANT shall comply with the provisions of Chapter 8.26 RCW and Chapter 365-24 WAC when its activities involve any acquisition of real property assisted under this Grant Agreement or the displacement of any family, individual, business, nonprofit organization or farm that results from such acquisition.

24. STATE ENVIRONMENTAL POLICY ACT (SEPA), CHAPTER 43.21 (C) RCW. The APPLICANT shall comply with the provisions of Chapter 43.21(C) RCW and Chapter 197-11 WAC, the guidelines by which local agencies will (1) require environmental checklists from private and public entities considering an action potentially subject to the Environmental Impact Statement (EIS) requirement of SEPA, (2) make "threshold determinations" that such an action will not have a significant environmental impact, (3) provide for the preparation of a draft and final EIS if the action has significant impact, and (4) circulate the EIS to other agencies and interested parties.

25. NOISE CONTROL, CHAPTER 70.107 RCW. The APPLICANT shall assure compliance with the state Noise Control Act. Objectives of the Act are to assist local governments in implementing local noise ordinances and to control and reduce excessive noise in Washington.

26. SHORELINE MANAGEMENT ACT OF 1971, CHAPTER 90.58 RCW. The APPLICANT shall comply with the provisions of Chapter 90.58 RCW. This Act defines a planning program and a permit system, which are initiated at the local government level under state guidance. Its purpose is to protect and enhance the state's shoreline and it includes a comprehensive shoreline inventory process and a master program for regulation of shoreline uses. A permit application at the local level must be in compliance with those plans and consistent with the state Coastal Zone Management program if substantial developments and shoreline modifications occur, and a record of the application and decision must be submitted to the state.

27. STATE BUILDING CODE, CHAPTER 19.27 RCW; ENERGY RELATED BUILDING STANDARDS, CHAPTER 19.27A RCW; AND PROVISIONS IN BUILDINGS FOR AGED AND HANDICAPPED PERSONS, CHAPTER 70.92 RCW. The APPLICANT shall comply with the provisions of Chapter 19.27 RCW, Chapter 19.27A RCW, Chapter 70.92 RCW and the regulations for building construction and for barrier free facilities adopted by the Washington State Building Code Council pursuant to these statutes. The State Building Code Act provides for a uniform state building code and mandates counties, cities and towns to administer and enforce its provisions. Local governments are authorized to modify the state building code to fit local conditions as long as such modifications do not result in a code that is less than the minimum performance standards and objectives contained in the state code.

28. OPEN PUBLIC MEETINGS ACT, CHAPTER 42.30 RCW. The APPLICANT shall comply with provisions of Chapter 42.30 RCW which require that all meetings of the governing body which pertain

to this Grant Agreement shall be open to the public except those where specific provision is made for executive sessions pursuant to RCW 42.30.110.

29. LAW AGAINST DISCRIMINATION, CHAPTER 49.60 RCW. The APPLICANT shall comply with the provisions of Chapter 49.60 RCW in all activities relating to this Grant Agreement.

30. GOVERNOR'S EXECUTIVE ORDER 89-10, DECEMBER 11, 1989: PROTECTION OF WETLANDS, AND GOVERNOR'S EXECUTIVE ORDER 90-04, APRIL 21, 1990: PROTECTION OF WETLANDS. The APPLICANT shall ensure that it avoids any activities that would adversely affect wetlands and adequately mitigates unavoidable impacts. For the purposes of this requirement, except where a contrary definition is provided by statute, mitigation means: (1) avoiding the impact altogether by not taking certain action or part of an action; (2) minimizing impacts by limiting the degree or magnitude of the action and its implementation, by using appropriate technology, or by taking affirmative steps to avoid or reduce impacts; (3) rectifying the impact by repairing, rehabilitating, or restoring the affected environment; (4) reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action; (5) compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and (6) monitoring the impact and taking appropriate corrective measures.

Mitigation for individual actions may include a combination of the above measures. Mitigation may not include any of the above measures to the extent that they may be contrary to statute as applied under the particular circumstances. Emergency work that is essential to save lives and protect property and public health is exempt from these provisions.

31. PREVAILING WAGES ON PUBLIC WORKS, CHAPTER 39.12 RCW. The applicant shall comply with the provisions of Chapter 39.12, Prevailing Wages on Public Works. This statute mandates that the prevailing rate of wage, as determined by the State Department of Labor and Industries, be paid to workers performing under public works contracts.

32. CONTRACTING WITH SMALL MINORITY FIRMS, WOMEN'S BUSINESS ENTERPRISE AND LABOR SURPLUS AREA FIRMS. In accordance 44 CFR 13.36(e), Contracting with Small and Minority Firms, if employing contractors or suppliers the Contractor will take affirmative steps to assure that minority firms, women's business enterprises, and labor surplus area firms are used when possible. (1) The grantee and subgrantee will take all necessary affirmative steps to assure that minority firms, women's enterprises and labor surplus area firms are used when possible. (2) Affirmative steps shall include: (i) Placing qualified small and minority businesses, and women's business enterprises on solicitation lists; (ii) Assuring that small and minority enterprises are solicited whenever they are potential sources; (iii) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority business, and women's business enterprises; (iv) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority business, and women's business enterprises; (v) Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce; and (vi) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (e)(2)(i) through (v) of this section.

APPENDIX E

PERMIT DOCUMENTS



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, SEATTLE DISTRICT
P.O. BOX 3755
SEATTLE, WASHINGTON 98124-3755

Regulatory Branch

September 26, 2019

Ms. Ann Weckback
Lewis County Public Works
2025 Northeast Kresky Avenue
Chehalis, Washington 98532

Reference: NWS-2019-660
Lewis County Public
Works (Snyder Road
Culvert Replacement)

Dear Ms. Weckback:

We have reviewed your application to discharge fill in Hall Creek and adjacent wetlands to replace a culvert at the crossing of Snyder Road at mile post 0.20, at Packwood, Lewis County, Washington. Based on the information you provided to us, Nationwide Permit (NWP) 3, *Maintenance* (Federal Register January 6, 2017, Vol. 82, No. 4), authorizes your proposal as depicted on the enclosed drawings dated May 20, 2019.

In order for this authorization to be valid, you must ensure the work is performed in accordance with the enclosed *NWP 3, Terms and Conditions* and the following special conditions:

- a. You must install and maintain sediment and erosion controls during construction at the site until all disturbed soils have been vegetated or otherwise stabilized.
- b. You must implement and abide by the planting plan as shown on Sheet 7 of the project drawings, dated May 20, 2019. The plants shall be installed immediately following the work authorized by this permit. A report, as-built drawing and photographs demonstrating the trees/plants have been installed or a report on the status of project construction must be submitted to the U.S. Army Corps of Engineers, Seattle District, Regulatory Branch, within 12 months from the date of permit issuance. You can meet this reporting requirement by completing and submitting the enclosed *Report for Mitigation Work Completion* form.

- c. You must maintain and monitor the survival of installed plantings for five years after the U.S. Army Corps of Engineers accepts the as-built report. Installed plants shall achieve 100% survival during monitoring Years 1 and 2. Installed trees/plants shall achieve at least 80% survival during monitoring Years 3, 4 and 5. Percent survival is based on the total number of plants installed in accordance with the approved planting plan as shown on Sheet 7 of the project drawings, dated May 20, 2019. Individual plants that die must be replaced with native riparian species in order to meet the survival performance standards.
- d. You must submit annual monitoring reports for five years (Monitoring Years 1-5). Each annual monitoring report shall include written and photographic documentation on plant mortality and replanting efforts and must document whether the performance standards are being met. Photos must be taken from established points and used repeatedly for each monitoring year. In addition to photos at designated points, photo documentation must include a panoramic view(s) of the entire planting area. Submitted photos must be formatted on standard 8 ½" x 11" paper, dated with the date the photo was taken, and clearly labeled with the direction from which the photo was taken. The photo location points must be identified on an appropriate drawing. Annual planting monitoring reports must be submitted to the U.S. Army Corps of Engineers, Seattle District, Regulatory Branch, by December 31, of each monitoring year. You can meet this reporting requirement by completing and submitting the enclosed *Mitigation Planting Monitoring Report* form.

The Federal Emergency Management Agency (FEMA) completed National Historic Preservation Act consultation for the proposed activity. The FEMA completed no effect determinations for Section 7 of the Endangered Species Act (ESA), and Magnuson Stevens Act essential fish habitat (EFH) for its involvement in the proposed activity. For the purpose of this Department of the Army authorization, we have determined this project will comply with the requirements of these laws provided you comply with all of the permit conditions. We have determined the permit action is sufficiently addressed in their ESA and EFH no-effect documents. By this letter we are advising you and the Services, in accordance with 50 CFR 402.07 and 50 CFR 600.920(b), that this agency has served as the lead Federal agency for the ESA and EFH consultation responsibilities for the activity described above.

The authorized work complies with the Washington State Department of Ecology's (Ecology) Water Quality Certification (WQC) requirements for this NWP. No further coordination with Ecology for WQC is required.

You have not requested a jurisdictional determination for this proposed project. If you believe the U.S. Army Corps of Engineers does not have jurisdiction over all or portions of your project you may request a preliminary or approved jurisdictional determination (JD). If one is

requested, please be aware that we may require the submittal of additional information to complete the JD and work authorized in this letter may not occur until the JD has been completed.

Our verification of this NWP authorization is valid until March 18, 2022, unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work has not been completed by that date and you have commenced or are under contract to commence this activity before March 18, 2022, you will have until March 18, 2023, to complete the activity under the enclosed terms and conditions of this NWP. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act. You must also obtain all local, State, and other Federal permits that apply to this project.

You are cautioned that any change in project location or plans will require that you submit a copy of the revised plans to this office and obtain our approval before you begin work. Deviating from the approved plans could result in the assessment of criminal or civil penalties.

Upon completing the authorized work, you must fill out and return the enclosed *Certificate of Compliance with Department of the Army Permit*. Thank you for your cooperation during the permitting process. We are interested in your experience with our Regulatory Program and encourage you to complete a customer service survey. These documents and information about our program are available on our website at www.nws.usace.army.mil, select "Regulatory Branch, Permit Information" and then "Contact Us." If you have any questions, please contact me at evan.g.carnes@usace.army.mil or (206) 316-3049.

Sincerely,

A handwritten signature in black ink that reads "Evan G. Carnes". The signature is written in a cursive style with a large, stylized "E" and "C".

Evan G. Carnes, Project Manager
Regulatory Branch

Enclosures

cc:

Washington Department of Ecology, Federal Permit Coordinator: ecyrefedpermits@ecy.wa.gov

U.S. Fish and Wildlife Service: wfwotap@fws.gov














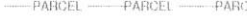
National Marine Fisheries Service: frankie.johnson@noaa.gov







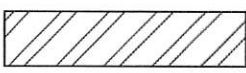

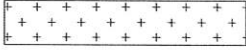
Federal Emergency Management Agency: William.Kerschke@fema.dhs.gov

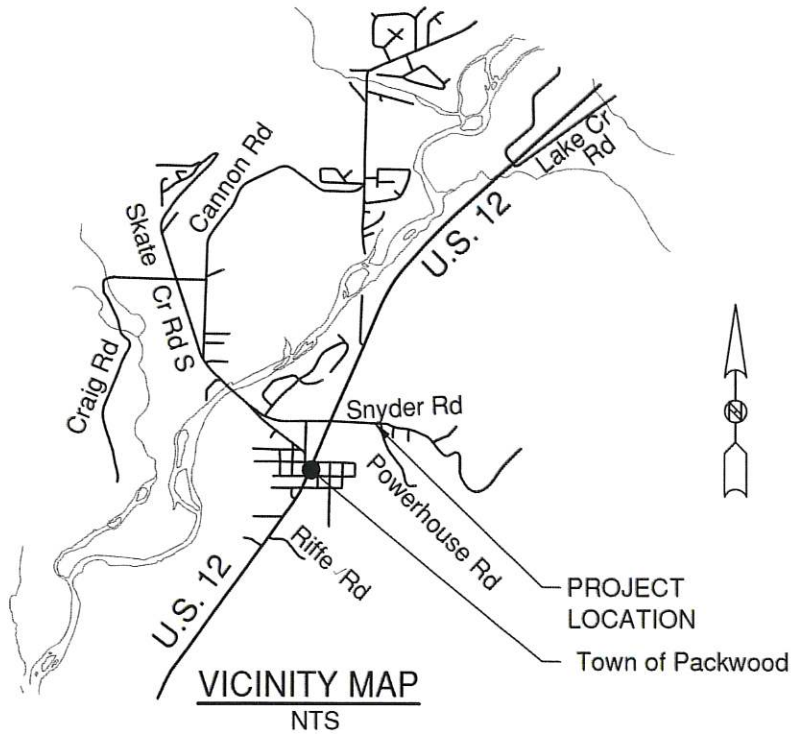
LEGEND

EXISTING FEATURES

NEW CONSTRUCTION

	CONIFER TREE
	DECIDUOUS TREE
	EDGE OF ROAD
	DITCH
	EDGE OF STREAM
	FENCE
	BST ROADWAY
	MAILBOX
	FENCEPOST
	POWER POLE
	OHWM
	WETLAND
	RIGHT OF WAY
	PROPERTY LINE

	EDGE OF PAVEMENT
	CENTERLINE
	GUARDRAIL
	HMA
	GUARDRAIL LANDING / SHOULDER ROCK
	SHOULDER
	OHWM (CALCULATED)
	PROPOSED AREA OF POTENTIAL EFFECT
	TEMPORARY DETOUR ROAD



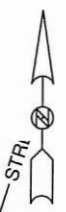
REFERENCE NUMBER: 90-15F721210020 PROJECT LOCATION (ADDRESS): SNYDER ROAD MP 0.2
 CORPS REF: NUMBER: NWS-2019-660 PACKWOOD, WA 98361
 PROPOSED PROJECT: SNYDER RD MP 0.20
 CULVERT REPLACEMENT

APPLICANT: LEWIS COUNTY	LAT/LONG: 46° 36' 36.5"/-121° 39' 50.7"	IN: (waterbody) HALL CREEK
ADJACENT PROPERTY OWNERS:	VERTICAL HORIZONTAL	NEAR/AT: (city) PACKWOOD
1. PARCEL#035142-000-000 CROSHAW, WILLIAM D & TRACY	DATUM: NAVD88 DATUM: NAD83	COUNTY: LEWIS
2. PARCEL#035191-001-000 DERRICK, GREG		
3. PARCEL#035191-000-000 PACKWOOD SPREE, LLC		

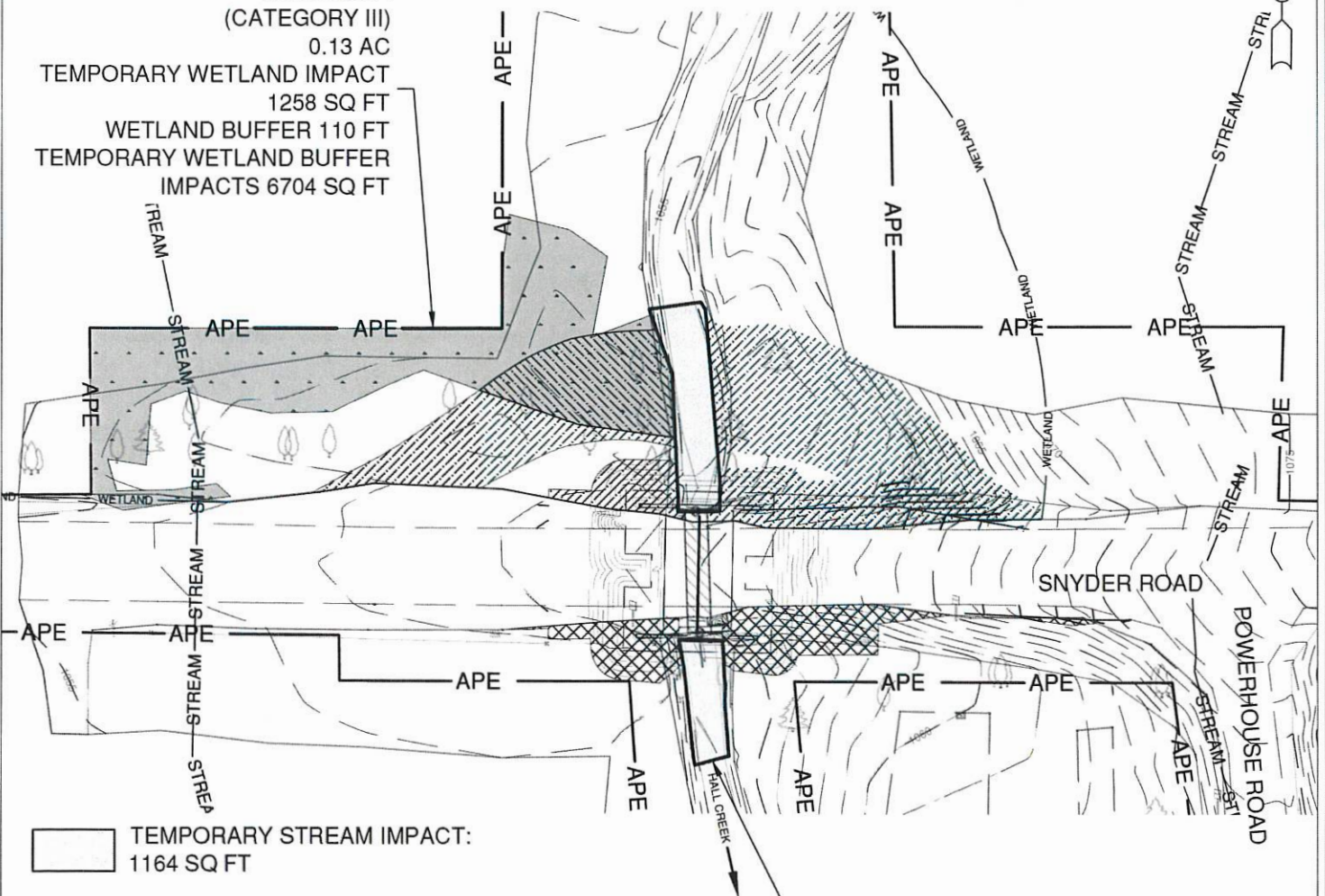


50' 0 50'

SCALE: 1" = 50'



WETLAND A
(CATEGORY III)
0.13 AC
TEMPORARY WETLAND IMPACT
1258 SQ FT
WETLAND BUFFER 110 FT
TEMPORARY WETLAND BUFFER
IMPACTS 6704 SQ FT



TEMPORARY STREAM IMPACT:
1164 SQ FT

TEMPORARY STREAM BUFFER
IMPACT: 2039 SQ FT

TEMPORARY WETLAND IMPACT
AND STREAM BUFFER IMPACT:
1258 SQ FT (SEE NOTE)

TEMPORARY WETLAND BUFFER
IMPACT AND STREAM BUFFER
IMPACT: 6704 SQ FT

HALL CREEK
0.03 AC
TEMPORARY STREAM IMPACT
1164 SQ FT
STREAM BUFFER 150 FT
TEMPORARY STREAM BUFFER
IMPACTS 10001 SQ FT

NOTE:

Erosion Control Fabric will be placed on the original ground in wetland prior to placing 633 CY of fill for temporary road. All fill and fabric shall be removed after road work and wetland shall be restored to original conditions.

CORPS REF: NUMBER: NWS-2019-660

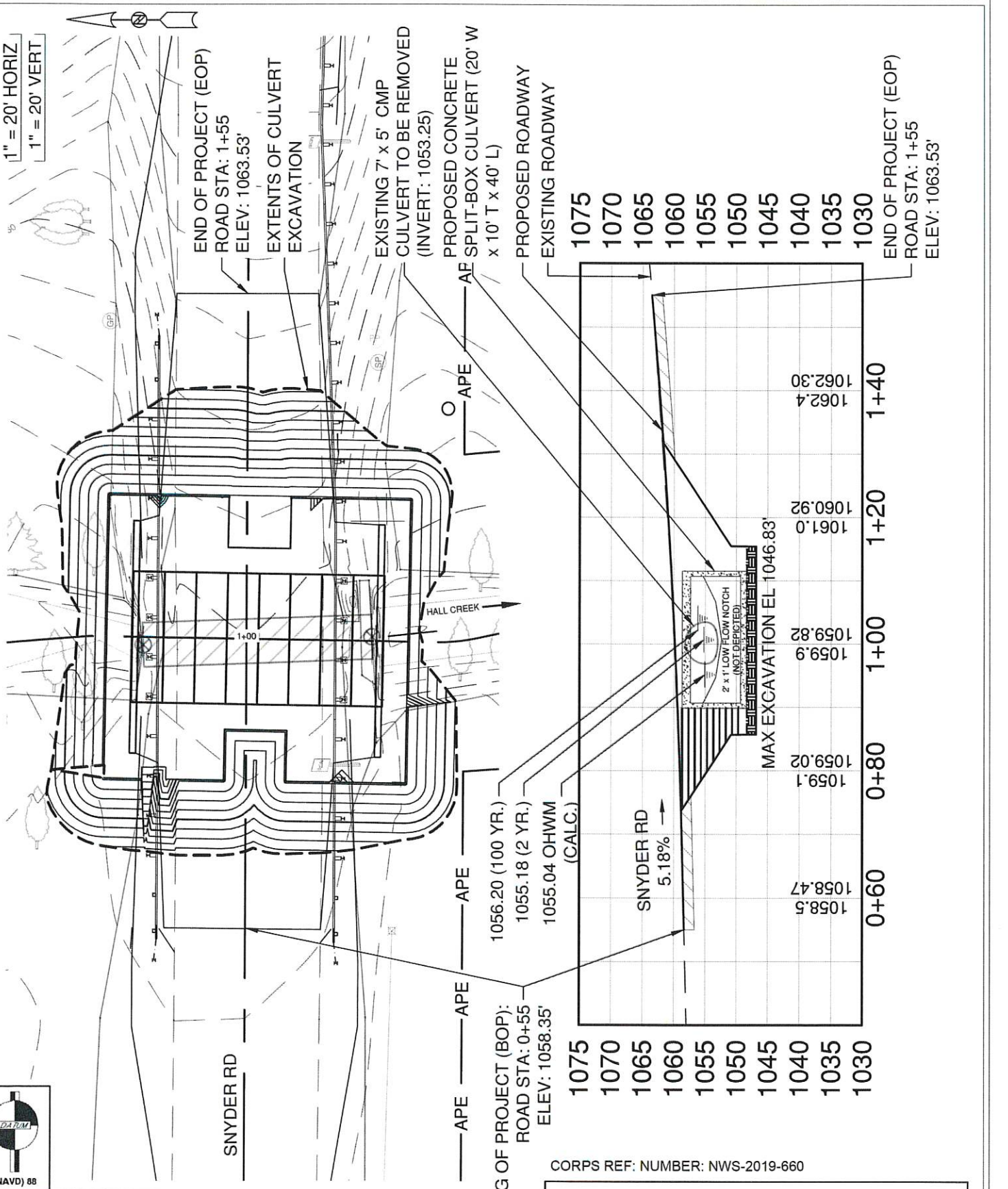
REFERENCE NUMBER: 90-15F7212100200
APPLICANT NAME: LEWIS COUNTY
PROPOSED PROJECT: SNYDER RD MP 0.20
CULVERT REPLACEMENT
LOCATION: MP 0.2 SNYDER ROAD
SHEET 2 OF 8 DATE: 05/20/2019



Department of Public Works



1" = 20' HORIZ
1" = 20' VERT



END OF PROJECT (EOP)
ROAD STA: 1+55
ELEV: 1063.53'

EXTENTS OF CULVERT
EXCAVATION

EXISTING 7' x 5' CMP
CULVERT TO BE REMOVED
(INVERT: 1053.25)

PROPOSED CONCRETE
SPLIT-BOX CULVERT (20' W
x 10' T x 40' L)

PROPOSED ROADWAY
EXISTING ROADWAY

END OF PROJECT (EOP)
ROAD STA: 1+55
ELEV: 1063.53'

BEGINNING OF PROJECT (BOP):
ROAD STA: 0+55
ELEV: 1058.35'

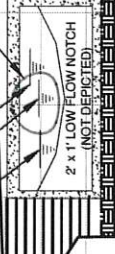
— APE — APE — APE

1056.20 (100 YR.)
1055.18 (2 YR.)
1055.04 OHWM
(CALC.)

1075	1075
1070	1070
1065	1065
1060	1060
1055	1055
1050	1050
1045	1045
1040	1040
1035	1035
1030	1030

MAX EXCAVATION EL 1046.83'

SNYDER RD
5.18% →

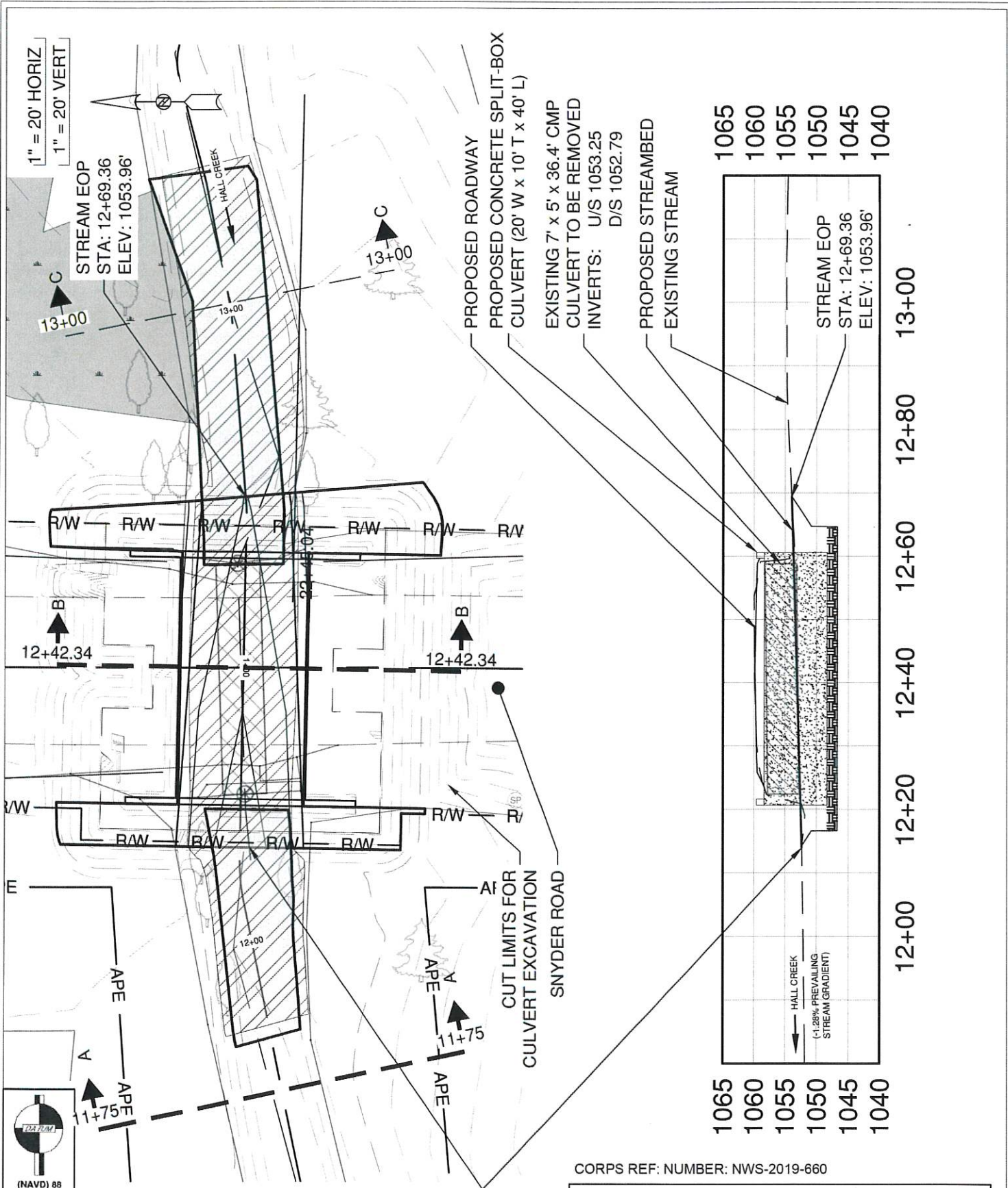


1058.5	0+60
1058.47	
1059.1	0+80
1059.02	
1059.9	1+00
1059.82	
1061.0	1+20
1060.92	
1062.4	1+40
1062.30	



CORPS REF: NUMBER: NWS-2019-660

REFERENCE NUMBER: 90-15F7212100200
 APPLICANT NAME: LEWIS COUNTY
 PROPOSED PROJECT: SNYDER RD MP 0.20
 CULVERT REPLACEMENT
 LOCATION: MP 0.2 SNYDER ROAD
 SHEET 3 OF 8 DATE: 05/20/2019



1" = 20' HORIZ
1" = 20' VERT

STREAM EOP
STA: 12+69.36
ELEV: 1053.96'

PROPOSED ROADWAY
PROPOSED CONCRETE SPLIT-BOX
CULVERT (20' W x 10' T x 40' L)

EXISTING 7' x 5' x 36.4' CMP
CULVERT TO BE REMOVED
INVERTS: U/S 1053.25
D/S 1052.79

PROPOSED STREAMBED
EXISTING STREAM

1065
1060
1055
1050
1045
1040

STREAM EOP
STA: 12+69.36
ELEV: 1053.96'

12+00 12+20 12+40 12+60 12+80 13+00

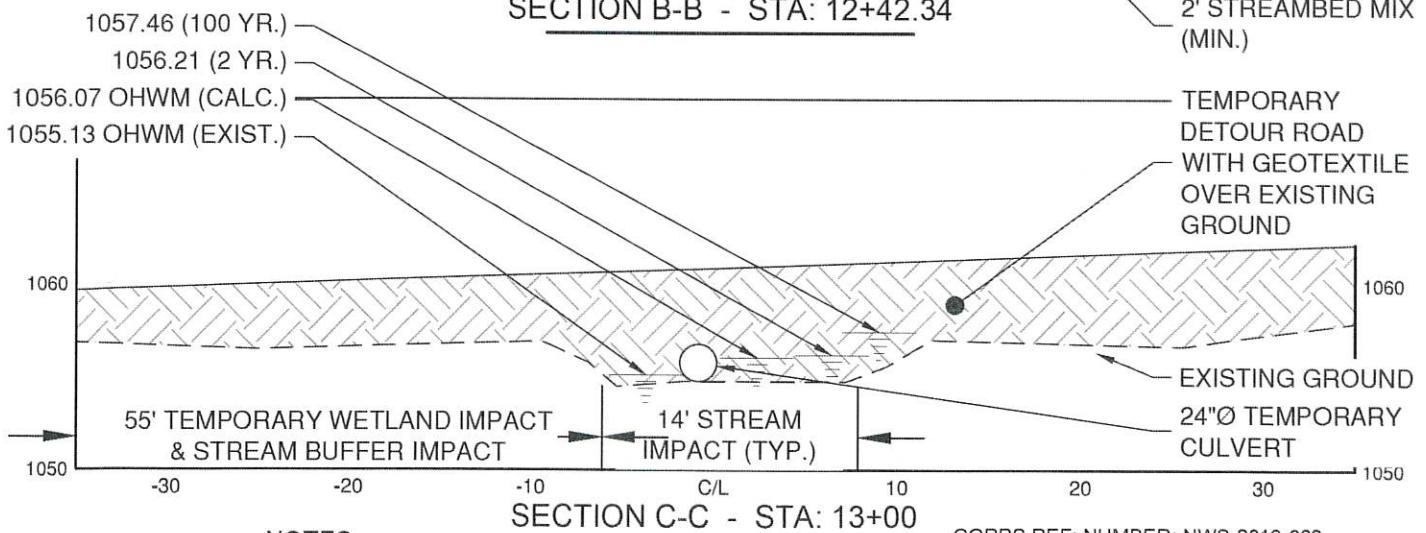
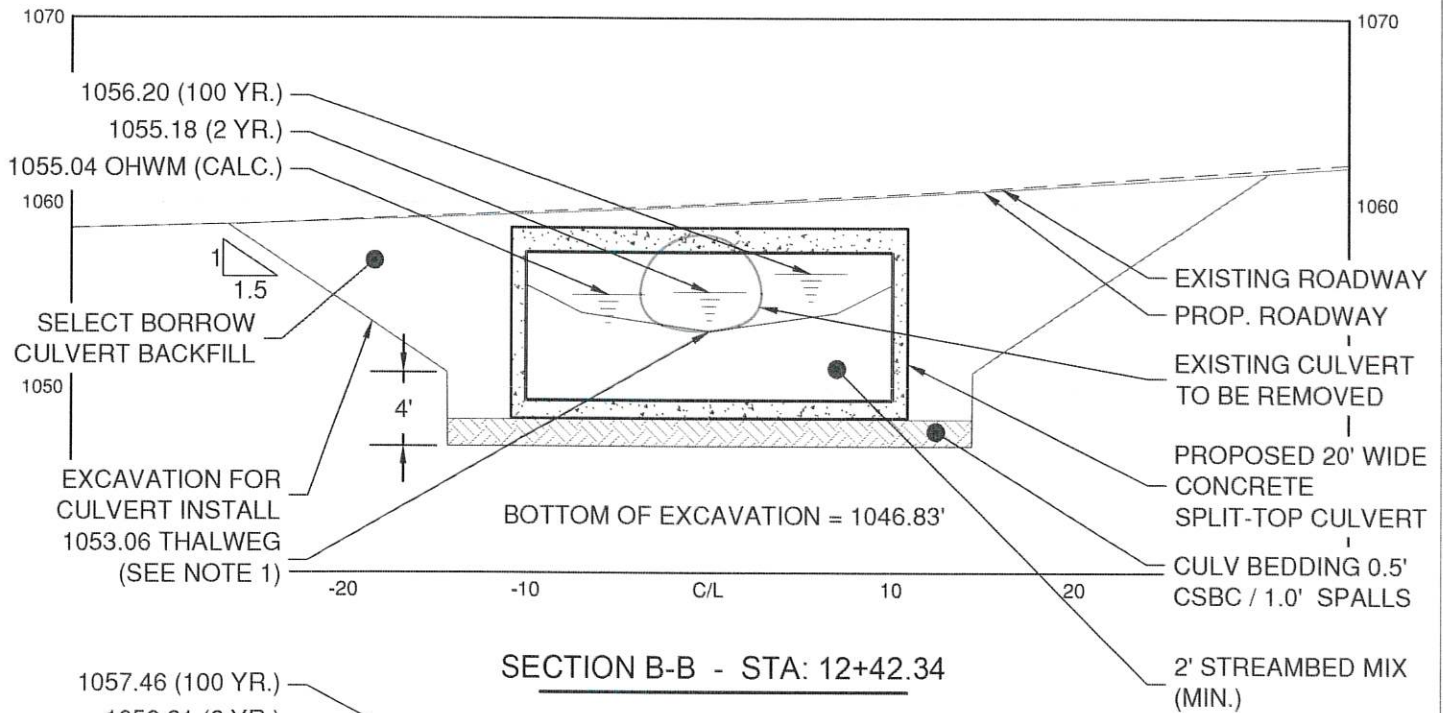
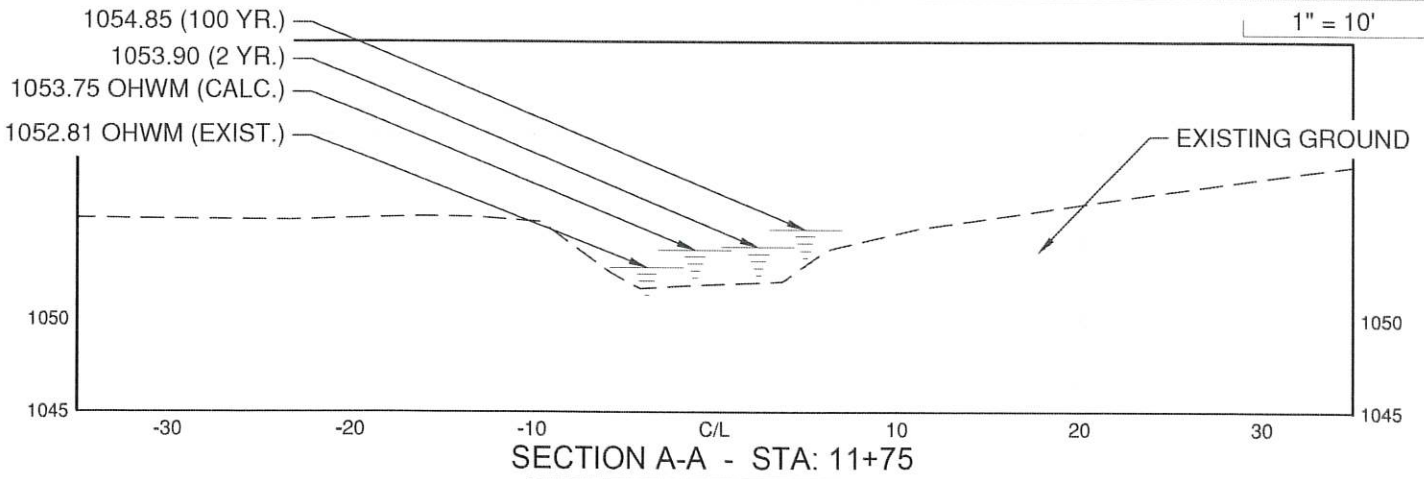
1065
1060
1055
1050
1045
1040

STREAM BOP:
STA: 12+14
ELEV: 1052.40

CORPS REF: NUMBER: NWS-2019-660

REFERENCE NUMBER: 90-15F7212100200
APPLICANT NAME: LEWIS COUNTY
PROPOSED PROJECT: SNYDER RD MP 0.20
CULVERT REPLACEMENT
LOCATION: MP 0.2 SNYDER ROAD
SHEET 4 OF 8 DATE: 05/20/2019





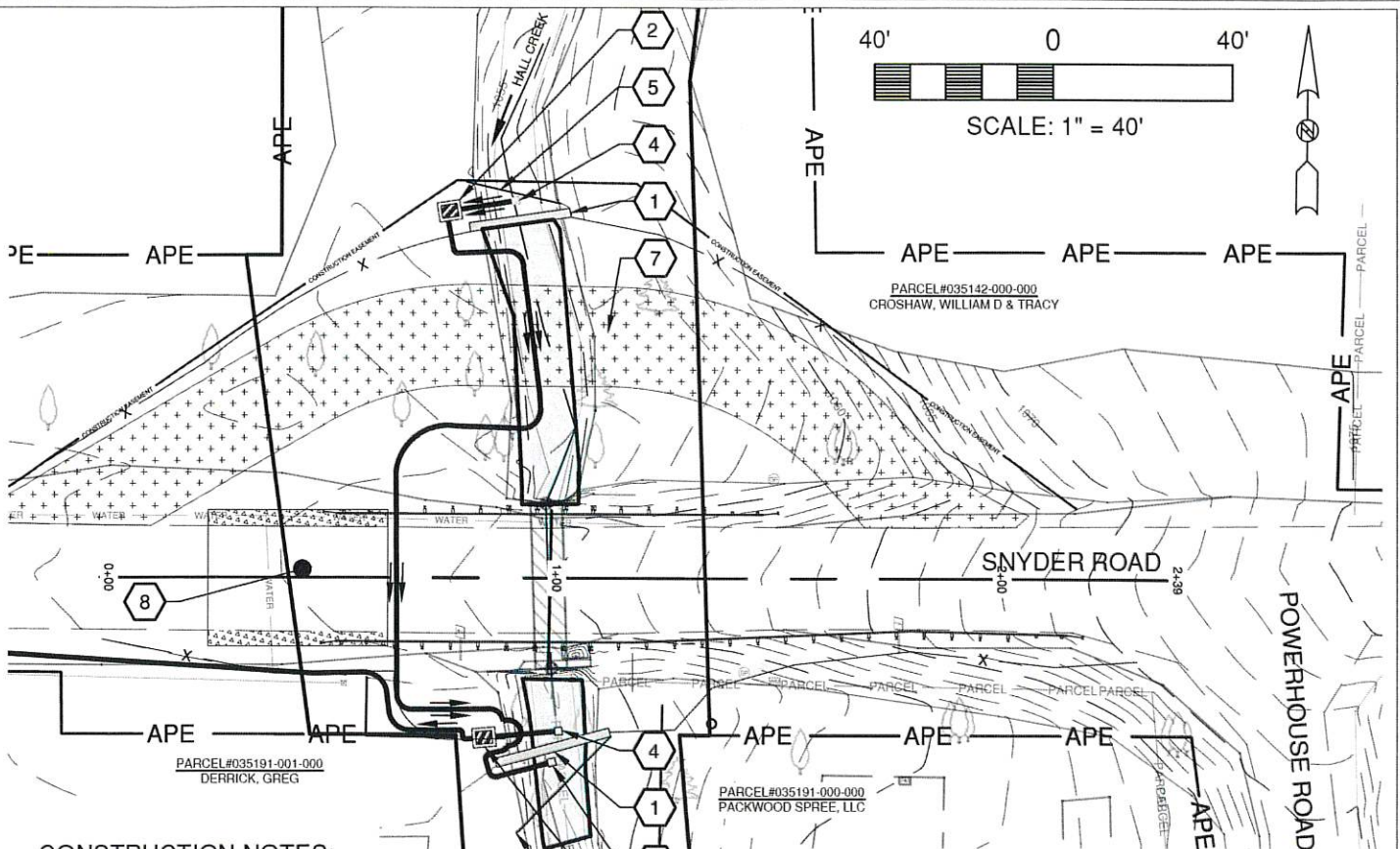
NOTES:

1. THALWEG WILL INCLUDE A MEANDERING 1' DEEP x 2' WIDE LOW FLOW NOTCH (NOT DEPICTED).
2. WILLOW LIVE STAKES ABOVE OHWM TO 100 -YR LEVEL, CONIFER TREES ABOVE 100-YR LEVEL WITHIN STREAM REGRADE AREA.

CORPS REF: NUMBER: NWS-2019-660

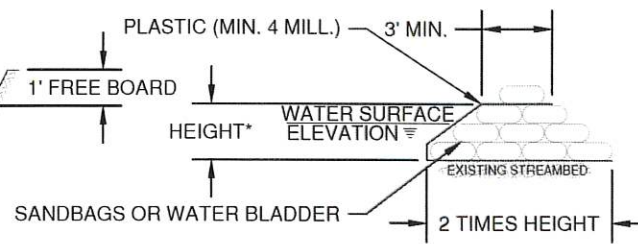
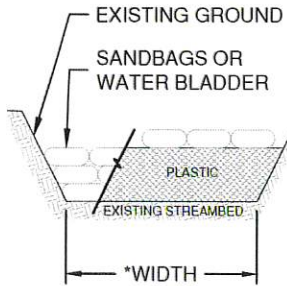
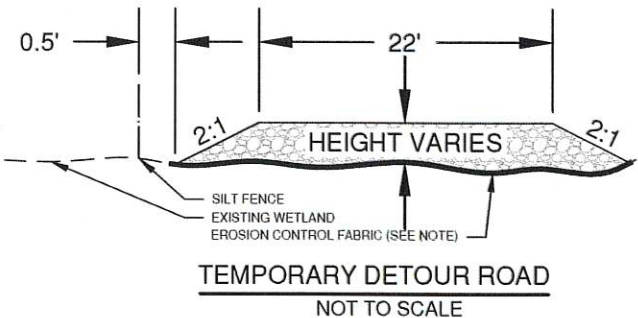
REFERENCE NUMBER: 90-15F7212100200
 APPLICANT NAME: LEWIS COUNTY
 PROPOSED PROJECT: SNYDER RD MP 0.20
 CULVERT REPLACEMENT
 LOCATION: MP 0.2 SNYDER ROAD
 SHEET 5 OF 8 DATE: 05/20/2019





CONSTRUCTION NOTES:

- 1 INSTALL COFFERDAM PER DETAILS THIS SHEET AS STAKED IN THE FIELD BY THE ENGINEER.
- 2 INSTALL SPILL CONTAINED PUMP SYSTEM FOR STREAM BYPASS.
- 3 INSTALL HIGH VISIBILITY SILT FENCE AROUND ALONG APE AS DIRECTED BY THE ENGINEER.
- 4 PUMP INTAKE SCREEN OVER ALL INTAKE AND OUTLET HOSES PER WDFW REQUIREMENTS.
- 5 FISH DIVERSION SCREEN UPSTREAM OF BYPASS INTAKE AND DOWNSTREAM OF BYPASS OUTLET PER HPA PROVISIONS.
- 6 INSTALL SPILL CONTAINED PUMP SYSTEM FOR DEWATERING. PUMP WORK WATER ALONG SE DITCH APPROXIMATELY 350' TO DRAIN AWAY FROM PROJECT WITHIN RIGHT OF WAY.
- 7 TEMP. DETOUR ROAD (3" MINUS ROCK 16" WIDE X 1' DEEP OVER GEOTEXTILE FABRIC) (SEE DETAIL THIS SHEET)
- 8 40' x 26' CRANE PAD



* WIDTH OF COFFER DAM SHALL BE DETERMINED BY THE EXISTING BANK OF THE STREAM AT THE TIME OF CONSTRUCTION.

* HEIGHT OF COFFER DAM SHALL BE DETERMINED BY THE WATER SURFACE ELEVATION AT THE TIME OF CONSTRUCTION.

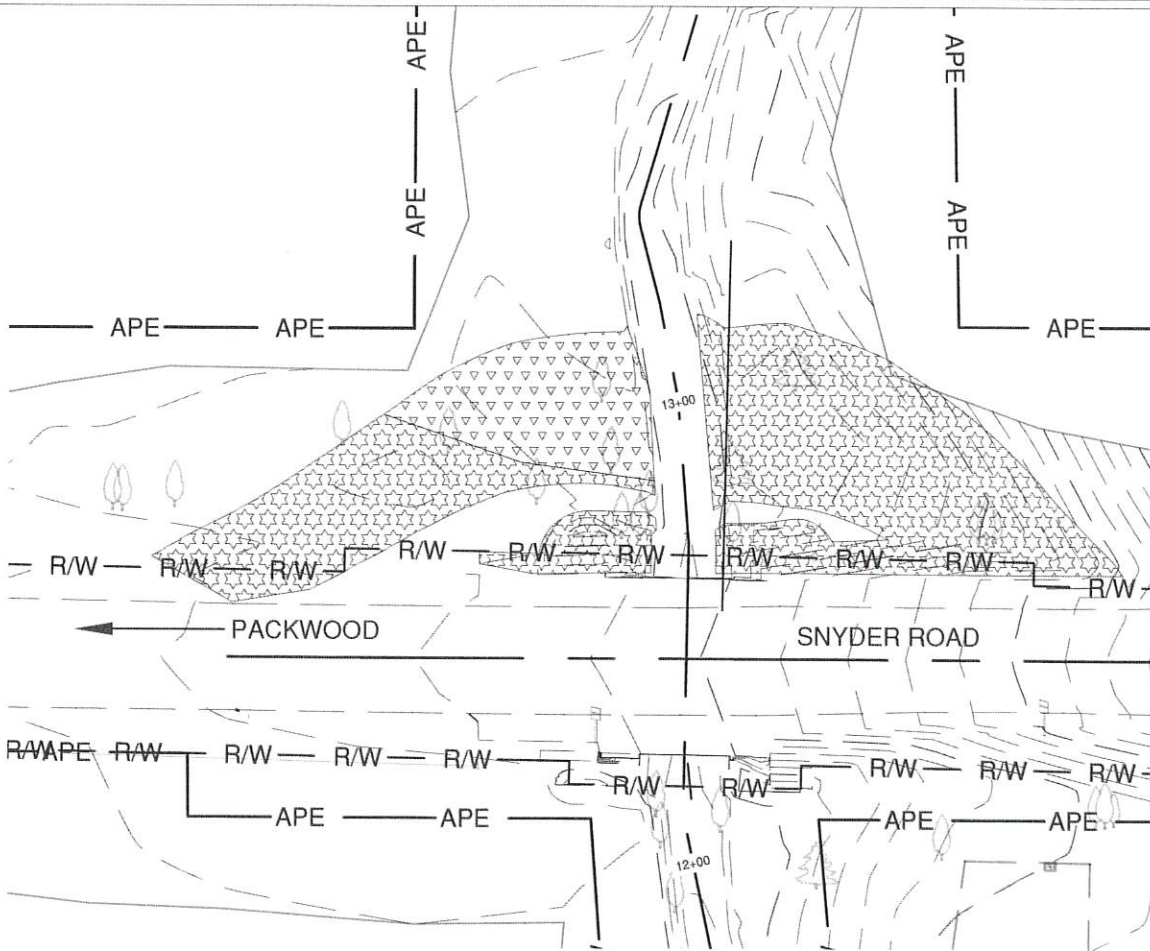
NOTES:

1. APE EXTENDS APPROXIMATELY 900' WEST, 1000' SOUTH, AND 1500' EAST WITHIN EXISTING 40' WIDE RIGHT-OF-WAY FOR CONSTRUCTION SIGN PLACEMENT.
2. EROSION CONTROL FABRIC SHALL BE PLACED ON ORIGINAL GROUND PRIOR TO PLACING FILL FOR TEMPORARY ROAD. ALL FILL AND FABRIC SHALL BE REMOVED AFTER ROAD WORK AND WETLAND SHALL BE RESTORED TO ORIGINAL CONDITIONS.

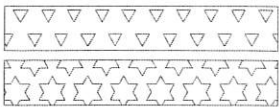
CORPS REF: NUMBER: NWS-2019-660

REFERENCE NUMBER: 90-15F7212100200
 APPLICANT NAME: LEWIS COUNTY
 PROPOSED PROJECT: SNYDER RD MP 0.20
 CULVERT REPLACEMENT
 LOCATION: MP 0.2 SNYDER ROAD
 SHEET 6 OF 8 DATE: 05/20/2019





LEGEND:



WETLAND PLANTING ZONE

UPLAND PLANTING ZONE

NOTE:

TEMPORARY IMPACT AREAS WILL BE SCARIFIED AND HYDROSEEDDED WITH A NATIVE SEED MIX AS APPROPRIATE PRIOR TO PLANTING.

PLANTING PLAN						
PLANTING ZONE	SCIENTIFIC NAME	COMMON NAME	TYPE	INDICATOR STATUS	SIZE OF PLANTS	NUMBER OF PLANTS
Wetland Planting Zone	<i>Populus balsamifera</i>	Balsam Poplar	T	FAC	2 Gallon Container	3
1249 Square Feet	<i>Alnus rubra</i>	Red Alder	T	FAC	2 Gallon Container	5
	<i>Lonicera involucrata</i>	Black Twinberry	S	FAC	1 Gallon Container	16
	<i>Rosa nutkana</i>	Nootka Rose	S	FAC	1 Gallon Container	6
	<i>Acer circinatum</i>	Vine Maple	S	FAC	1 Gallon Container	6
Upland Planting Zone	<i>Pseudotsuga menziesii</i>	Douglas Fir	T	FACU	2 Gallon Container	17
5219 Square Feet	<i>Thuja plicata</i>	Western Red Cedar	T	FAC	2 Gallon Container	9
	<i>Alnus rubra</i>	Red Alder	T	FAC	2 Gallon Container	9
	<i>Acer circinatum</i>	Vine Maple	S	FAC	1 Gallon Container	18
	<i>Oemleria cerasiformis</i>	Indian Plum	S	FACU	1 Gallon Container	18
	<i>Mahonia aquifolium</i>	Oregon Grape	S	FACU	1 Gallon Container	18
	<i>Gaultheria shallon</i>	Salal	S	FACU	1 Gallon Container	18



Department of Public Works

CORPS REF: NUMBER: NWS-2019-660

REFERENCE NUMBER: 90-15F7212100200
 APPLICANT NAME: LEWIS COUNTY
 PROPOSED PROJECT: SNYDER RD MP 0.20
 CULVERT REPLACEMENT
 LOCATION: MP 0.2 SNYDER ROAD
 SHEET 7 OF 8 DATE: 05/20/2019

SUMMARY OF QUANTITIES

Culvert Replacement (Sta 12+14 to 12+69.36) Quantities Below OHWM

Temporary	Fill - Cofferd Dams	88 SQ FT	8 CY
Temporary	Fill - Detour Road	567 SQ FT	94 CY
Temporary	Excavation - Culvert	944 SQ FT	353 CY
Permanent	Fill - Crushed Surfacing for Culvert Bed	25 SQ FT	2 CY
Permanent	Fill - Streambed Mix	931 SQ FT	153 CY

Total Quantities Below OHWM

Fill	257 CY
Excavation	353 CY

Culvert Replacement (Sta 12+14 to 12+69.36) Quantities Between OHWM and 100-Year Elevation

Temporary	Fill - Detour Road	2890 SQ FT	312 CY
Temporary	Excavation - Culvert	3085 SQ FT	820 CY
Temporary	Excavation - Roadway	3600 SQ FT	6 CY
Permanent	Fill - Crushed Surfacing for Culvert Bed	1339 SQ FT	75 CY
Permanent	Fill - Streambed Mix	779 SQ FT	153 CY
Permanent	Fill - Select Borrow	575 SQ FT	109 CY
Permanent	Fill - Roadway Material (Crushed Surfacing and HMA)	3600 SQ FT	644 CY

Total Quantities Between OHWM and 100-Year Elevation

Fill	1293 CY
Excavation	826 CY

Culvert Replacement (Sta 12+14 to 12+69.36) Quantities Above 100-Year Elevation

Temporary	Fill - Detour Road	3233 SQ FT	228 CY
Temporary	Excavation - Culvert	137 SQ FT	7 CY
Temporary	Excavation - Road	1956 SQ FT	4 CY
Permanent	Fill - Roadway Material (Crushed Surfacing and HMA)	1956 SQ FT	43 CY

Total Quantities Above 100-Year Elevation

Fill	271 CY
Excavation	11 CY

Project Totals

Total Fill	1821 CY
Total Excavation	1190 CY

CORPS REF: NUMBER: NWS-2019-660

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 APPLICANT NAME: LEWIS COUNTY
 PROPOSED PROJECT: SNYDER RD MP 0.20
 CULVERT REPLACEMENT
 LOCATION: MP 0.2 SNYDER ROAD
 SHEET 8 OF 8 DATE: 05/20/2019





US Army Corps
of Engineers ®
Seattle District

NATIONWIDE PERMIT 3

Terms and Conditions

Effective Date: March 19, 2017



-
- A. Description of Authorized Activities
 - B. U.S. Army Corps of Engineers (Corps) National General Conditions for all NWP
 - C. Corps Seattle District Regional General Conditions
 - D. Corps Regional Specific Conditions for this NWP
 - E. Washington Department of Ecology (Ecology) Section 401 Water Quality Certification (401 Certification): General Conditions
 - F. Ecology 401 Certification: Specific Conditions for this NWP
 - G. Coastal Zone Management Consistency Response for this NWP
-

In addition to any special condition that may be required on a case-by-case basis by the District Engineer, the following terms and conditions must be met, as applicable, for a Nationwide Permit (NWP) authorization to be valid in Washington State.

A. DESCRIPTION OF AUTHORIZED ACTIVITIES

Maintenance. (a) The repair, rehabilitation, or replacement of any previously authorized, currently serviceable structure or fill, or of any currently serviceable structure or fill authorized by 33 CFR 330.3, provided that the structure or fill is not to be put to uses differing from those uses specified or contemplated for it in the original permit or the most recently authorized modification. Minor deviations in the structure's configuration or filled area, including those due to changes in materials, construction techniques, requirements of other regulatory agencies, or current construction codes or safety standards that are necessary to make the repair, rehabilitation, or replacement are authorized. This NWP also authorizes the removal of previously authorized structures or fills. Any stream channel modification is limited to the minimum necessary for the repair, rehabilitation, or replacement of the structure or fill; such modifications, including the removal of material from the stream channel, must be immediately adjacent to the project. This NWP also authorizes the removal of accumulated sediment and debris within, and in the immediate vicinity of, the structure or fill. This NWP also authorizes the repair, rehabilitation, or replacement of those structures or fills destroyed or damaged by storms, floods, fire or other discrete events, provided the repair, rehabilitation, or replacement is commenced, or is under contract to commence, within two years of the date of their destruction or damage. In cases of catastrophic events, such as hurricanes or tornadoes, this two-year limit may be waived by the district engineer, provided the permittee can demonstrate funding, contract, or other similar delays. (b) This NWP also authorizes the removal of accumulated sediments and debris outside the immediate vicinity of existing structures (e.g., bridges, culverted road crossings, water intake structures, etc.). The removal of sediment is limited to the minimum necessary to restore the waterway in the vicinity of the structure to the approximate dimensions that existed when the structure was built, but cannot extend farther than 200 feet in any direction from the structure. This 200 foot limit does not apply to maintenance dredging to remove accumulated sediments blocking or restricting outfall and intake structures or to maintenance dredging to remove accumulated sediments from canals associated with outfall and intake structures. All dredged or excavated materials must be deposited and retained in an area that has no waters of the United States unless otherwise specifically approved by the district engineer under separate authorization. (c) This NWP also authorizes temporary structures, fills, and work, including the use of temporary mats, necessary to conduct the maintenance activity. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction

sites. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. After conducting the maintenance activity, temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The areas affected by temporary fills must be revegetated, as appropriate. (d) This NWP does not authorize maintenance dredging for the primary purpose of navigation. This NWP does not authorize beach restoration. This NWP does not authorize new stream channelization or stream relocation projects. Notification: For activities authorized by paragraph (b) of this NWP, the permittee must submit a pre-construction notification to the district engineer prior to commencing the activity (see general condition 32). The pre-construction notification must include information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments, and canals. (Authorities: Section 10 of the Rivers and Harbors Act of 1899 and section 404 of the Clean Water Act (Sections 10 and 404)) Note: This NWP authorizes the repair, rehabilitation, or replacement of any previously authorized structure or fill that does not qualify for the Clean Water Act section 404(f) exemption for maintenance.

B. CORPS NATIONAL GENERAL CONDITIONS FOR ALL NWPs

To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. Navigation. (a) No activity may cause more than a minimal adverse effect on navigation. (b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States. (c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWP 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. Removal of Temporary Fills. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. Wild and Scenic Rivers. (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status. (b) If a proposed NWP

activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management responsibility for that river. The permittee shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status. (c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: <http://www.rivers.gov/>.

17. Tribal Rights. No NWP activity may cause more than minimal adverse effects on tribal rights (including treaty rights), protected tribal resources, or tribal lands.

18. Endangered Species. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless ESA section 7 consultation addressing the effects of the proposed activity has been completed. Direct effects are the immediate effects on listed species and critical habitat caused by the NWP activity. Indirect effects are those effects on listed species and critical habitat that are caused by the NWP activity and are later in time, but still are reasonably certain to occur. (b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. If pre-construction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA. (c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species or designated critical habitat, the pre-construction notification must include the name(s) of the endangered or threatened species that might be affected by the proposed activity or that utilize the designated critical habitat that might be affected by the proposed activity. The district engineer will determine whether the proposed activity "may affect" or will have "no effect" to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete pre-construction notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have "no effect" on listed species or critical habitat, or until ESA section 7 consultation has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps. (d) As a result of formal or informal consultation with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWPs. (e) Authorization of an activity by an NWP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word

“harm” in the definition of “take” means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required. (g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide web pages at <http://www.fws.gov/> or <http://www.fws.gov/ipac> and <http://www.nmfs.noaa.gov/pr/species/esa/> respectively.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring their action complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether “incidental take” permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. Historic Properties. (a) In cases where the district engineer determines that the activity may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized, until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied. (b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act. If pre-construction notification is required for the proposed NWP activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106. (c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts, which may include background research, consultation, oral history interviews, sample field investigation, and field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity

has the potential to cause effects on the historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect. Where the non-Federal applicant has identified historic properties on which the activity might have the potential to cause effects and so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects to historic properties or that NHPA section 106 consultation has been completed. (d) For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-Federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps. (e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. If you discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment. (a) Discharges of dredged or fill material into waters of the United States are not authorized by NWPs 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, and 52 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters. (b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after it is determined that the impacts to the critical resource waters will be no more than minimal.

23. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal: (a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site). (b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal. (c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects. (d) For losses of streams or other open waters that require pre-construction notification, the district engineer may require compensatory mitigation to ensure that the activity results in no more than minimal adverse environmental effects. Compensatory mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, since streams are difficult-to-replace resources (see 33 CFR 332.3(e)(3)). (e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. Restored riparian areas should consist of native species. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses. (f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

(1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in no more than minimal adverse environmental effects. For the NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation. (2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f)). (3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation. (4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer

before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)). (5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan only needs to address the baseline conditions at the impact site and the number of credits to be provided. (6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).

(g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs. (h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management. (i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.

24. Safety of Impoundment Structures. To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. Water Quality. Where States and authorized Tribes, or EPA where applicable, have not previously certified compliance of an NWP with CWA section 401, individual 401 Water Quality Certification must be obtained or waived (see 33 CFR 330.4(c)). The district engineer or State or Tribe may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). The district engineer or a State may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the NWPs does not exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature: "When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below."

(Transferee)

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include: (a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions; (b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(1)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and (c) The signature of the permittee certifying the completion of the activity and mitigation. The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

31. Activities Affecting Structures or Works Built by the United States. If an NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective permittee must submit a pre-construction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission is not authorized by NWP until the appropriate Corps office issues the section 408 permission to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

32. Pre-Construction Notification. (a) Timing. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will

request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. Also, work cannot begin under NWPs 21, 49, or 50 until the permittee has received written approval from the Corps. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) Contents of Pre-Construction Notification: The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed activity;

(3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;

(4) A description of the proposed activity; the activity's purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures. For single and complete linear projects, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters. Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);

(5) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is

large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the 45 day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate;

(6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(7) For non-Federal permittees, if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, the PCN must include the name(s) of those endangered or threatened species that might be affected by the proposed activity or utilize the designated critical habitat that might be affected by the proposed activity. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with the Endangered Species Act;

(8) For non-Federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

(9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the PCN must identify the Wild and Scenic River or the "study river" (see general condition 16); and

(10) For an activity that requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from the Corps office having jurisdiction over that USACE project.

(c) Form of Pre-Construction Notification: The standard individual permit application form (Form ENG 4345) may be used, but the completed application form must clearly indicate that it is an NWP PCN and must include all of the applicable information required in paragraphs (b)(1) through (10) of this general condition. A letter containing the required information may also be used. Applicants may provide electronic files of PCNs and supporting materials if the district engineer has established tools and procedures for electronic submittals. (d) Agency Coordination: (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity's compliance with the terms and conditions of the NWPs and the need for mitigation to reduce the activity's adverse environmental effects so that they are no more than minimal. (2) Agency coordination is required for: (i) all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; (ii) NWP 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52 activities that require pre-construction notification and will result in the loss of greater than 300 linear feet of stream bed; (iii) NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and (iv) NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes. (3) When agency coordination is required, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (FWS, state natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or e-mail that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse

environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWP, including the need for mitigation to ensure the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

(4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act. (5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

District Engineer's Decision: 1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment and other aspects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the individual crossings of waters of the United States to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings authorized by NWP. If an applicant requests a waiver of the 300 linear foot limit on impacts to streams or of an otherwise applicable limit, as provided for in NWPs 13, 21, 29, 36, 39, 40, 42, 43, 44, 50, 51, 52, or 54, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in only minimal individual and cumulative adverse environmental effects. For those NWPs that have a waivable 300 linear foot limit for losses of intermittent and ephemeral stream bed and a 1/2-acre limit (i.e., NWPs 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52), the loss of intermittent and ephemeral stream bed, plus any other losses of jurisdictional waters and wetlands, cannot exceed 1/2-acre. 2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional or condition assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse environmental effects determination. The district engineer may add case-specific special conditions to the NWP authorization to address site-specific environmental concerns. 3. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or

for impacts to other types of waters (e.g., streams). The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal in determining whether the net adverse environmental effects of the proposed activity are no more than minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer. 4. If the district engineer determines that the adverse environmental effects of the proposed activity are more than minimal, then the district engineer will notify the applicant either: (a) that the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN period (unless additional time is required to comply with general conditions 18, 20, and/or 31, or to evaluate PCNs for activities authorized by NWPs 21, 49, and 50), with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

Further Information: 1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP. 2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law. 3. NWPs do not grant any property rights or exclusive privileges. 4. NWPs do not authorize any injury to the property or rights of others. 5. NWPs do not authorize interference with any existing or proposed Federal project (see general condition 31).

C. CORPS SEATTLE DISTRICT REGIONAL GENERAL CONDITIONS: The following conditions apply to all NWPs for the Seattle District in Washington State, unless specified.

1. Project Drawings: Drawings must be submitted with pre-construction notification (PCN). Drawings must provide a clear understanding of the proposed project, and how waters of the U.S. will be affected. Drawings must be originals and not reduced copies of large-scale plans. Engineering drawings are not required. Existing and proposed site conditions (manmade and landscape features) must be drawn to scale.

2. Aquatic Resources Requiring Special Protection: Activities resulting in a loss of waters of the United States in mature forested wetlands, bogs and peatlands, aspen-dominated wetlands, alkali wetlands, vernal pools, camas prairie wetlands, estuarine wetlands, wetlands in coastal lagoons, and wetlands in dunal systems along the Washington coast cannot be authorized by a NWP, except by the following NWPs:

- NWP 3 – Maintenance
- NWP 20 – Response Operations for Oil and Hazardous Substances
- NWP 32 – Completed Enforcement Actions
- NWP 38 – Cleanup of Hazardous and Toxic Waste

In order to use one of the above-referenced NWPs in any of the aquatic resources requiring special protection, prospective permittees must submit a PCN to the Corps of Engineers (see NWP general condition 32) and obtain written authorization before commencing work.

3. New Bank Stabilization in Tidal Waters of Puget Sound: Activities involving new bank stabilization in tidal waters in Water Resource Inventory Areas (WRIAs) 8, 9, 10, 11 and 12 (within the areas identified on Figures 1a through 1e on Corps website) cannot be authorized by NWP.

4. Commencement Bay: The following NWPs may not be used to authorize activities located in the Commencement Bay Study Area (see Figure 2 on Corps website):

- NWP 12 – Utility Line Activities (substations)
- NWP 13 – Bank Stabilization
- NWP 14 – Linear Transportation Projects
- NWP 23 – Approved Categorical Exclusions
- NWP 29 – Residential Developments
- NWP 39 – Commercial and Institutional Developments
- NWP 40 – Agricultural Activities
- NWP 41 – Reshaping Existing Drainage Ditches
- NWP 42 – Recreational Facilities
- NWP 43 – Stormwater and Wastewater Management Facilities

5. Bank Stabilization: All projects including new or maintenance bank stabilization activities require PCN to the Corps of Engineers (see NWP general condition 32). For new bank stabilization projects only, the following must be submitted to the Corps of Engineers:

- a. The cause of the erosion and the distance of any existing structures from the area(s) being stabilized.
- b. The type and length of existing bank stabilization within 300 feet of the proposed project.
- c. A description of current conditions and expected post-project conditions in the waterbody.
- d. A statement describing how the project incorporates elements avoiding and minimizing adverse environmental effects to the aquatic environment and nearshore riparian area, including vegetation impacts in the waterbody.

In addition to a. through d., the results from any relevant geotechnical investigations can be submitted with the PCN if it describes current or expected conditions in the waterbody.

6. Crossings of Waters of the United States: Any project including installing, replacing, or modifying crossings of waters of the United States, such as culverts or bridges, requires submittal of a PCN to the Corps of Engineers (see NWP general condition 32). If a culvert is proposed to cross waters of the U.S. where salmonid species are present or could be present, the project must apply the stream simulation design method from the Washington Department of Fish and Wildlife located in the *Water Crossing Design Guidelines* (2013), or a design method which provides passage at all life stages at all flows where the salmonid species would naturally seek passage. If the stream simulation design method is not applied

for a culvert where salmonid species are present or could be present, the project proponent must provide a rationale in the PCN sufficient to establish one of the following:

- a. The existence of extraordinary site conditions.
- b. How the proposed design will provide equivalent or better fish passage and fisheries habitat benefits than the stream simulation design method.

If a culvert is proposed to cross waters of the U.S. where salmonid species are present or could be present, project proponents must provide a monitoring plan with the PCN that specifies how the proposed culvert will be assessed over a five-year period from the time of construction completion to ensure its effectiveness in providing passage at all life stages at all flows where the salmonid species would naturally seek passage. Culverts installed under emergency authorization that do not meet the above design criteria will be required to meet the above design criteria to receive an after-the-fact nationwide permit verification.

7. Stream Loss: A PCN is required for all activities that result in the loss of any linear feet of stream beds. No activity shall result in the loss of any linear feet of perennial stream beds or the loss of greater than 300 linear feet of intermittent and/or ephemeral stream beds. A stream may be rerouted if it is designed in a manner that maintains or restores hydrologic, ecologic, and geomorphic stream processes, provided there is not a reduction in the linear feet of stream bed. Streams include brooks, creeks, rivers, and historical waters of the U.S. that have been channelized into ditches. This condition does not apply to ditches constructed in uplands. Stream loss restrictions may be waived by the district engineer on a case-by-case basis provided the activities result in net increases of aquatic resource functions and services.

8. Mitigation: Pre-construction notification is required for any project that will result in permanent wetland losses that exceed 1,000 square feet. In addition to the requirements of General Condition 23 (Mitigation), compensatory mitigation at a minimum one-to-one ratio will be required for all permanent wetland losses that exceed 1,000 square feet. When a PCN is required for wetland losses less than 1,000 square feet, the Corps of Engineers may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in minimal adverse effects on the aquatic environment. Compensatory mitigation for impacts to marine waters, lakes, and streams will be determined on a case-by-case basis. If temporary impacts to waters of the U.S. exceed six months, the Corps of Engineers may require compensatory mitigation for temporal effects.

9. Magnuson-Stevens Fishery Conservation and Management Act – Essential Fish Habitat

Essential Fish Habitat (EFH) is defined as those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity. If EFH may be adversely affected by a proposed activity, the prospective permittee must provide a written EFH assessment with an analysis of the effects of the proposed action on EFH. The assessment must identify the type(s) of essential fish habitat (i.e., Pacific salmon, groundfish, and/or coastal-pelagic species) that may be affected. If the Corps of Engineers determines the project will adversely affect EFH, consultation with NOAA Fisheries will be required. Federal agencies should follow their own procedures for complying with the requirements of the Magnuson-Stevens Fishery Conservation and Management Act. If PCN is required for the proposed activity, Federal permittees must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements.

10. Forage Fish: For projects in forage fish spawning habitat, in-water work must occur within designated forage fish work windows, or when forage fish are not spawning. If working outside of a designated work window, or if forage fish work windows are closed year round, work may occur if the work window restriction is released for a period of time after a forage fish spawning survey has been conducted by a biologist approved by the Washington State Department of Fish and Wildlife (WDFW). Forage fish species with designated in-water work windows include Pacific sand lance (*Ammodytes hexapterus*), Pacific herring (*Clupea pallasii*), and surf smelt (*Hypomesus pretiosus*). This RGC does not

apply to NWP 48, *Commercial Shellfish Aquaculture Activities*. Please see specific regional conditions for NWP 48.

11. Notification of Permit Requirements: The permittee must provide a copy of the nationwide permit authorization letter, conditions, and permit drawings to all contractors and any other parties performing the authorized work prior to the commencement of any work in waters of the U.S. The permittee must ensure all appropriate contractors and any other parties performing the authorized work at the project site have read and understand relevant NWP conditions as well as plans, approvals, and documents referenced in the NWP letter. A copy of these documents must be maintained onsite throughout the duration of construction.

12. Construction Boundaries: Permittees must clearly mark all construction area boundaries before beginning work on projects that involve grading or placement of fill. Boundary markers and/or construction fencing must be maintained and clearly visible for the duration of construction. Permittees should avoid and minimize removal of native vegetation (including submerged aquatic vegetation) to the maximum extent possible.

13. Temporary Impacts and Site Restoration

- a. Temporary impacts to waters of the U.S. must not exceed six months unless the prospective permittee requests and receives a waiver by the district engineer. Temporary impacts to waters of the U.S. must be identified in the PCN.
- b. No more than 1/2 acre of waters of the U.S. may be temporarily filled unless the prospective permittee requests and receives a waiver from the district engineer (temporary fills do not affect specified limits for loss of waters associated with specific nationwide permits).
- c. Native soils removed from waters of the U.S. for project construction should be stockpiled and used for site restoration. Restoration of temporarily disturbed areas must include returning the area to pre-project ground surface contours. If native soil is not available from the project site for restoration, suitable clean soil of the same textural class may be used. Other soils may be used only if identified in the PCN.
- d. The permittee must revegetate disturbed areas with native plant species sufficient in number, spacing, and diversity to restore affected functions. A maintenance and monitoring plan commensurate with the impacts, may be required. Revegetation must begin as soon as site conditions allow within the same growing season as the disturbance unless the schedule is approved by the Corps of Engineers. Native plants removed from waters of the U.S. for project construction should be stockpiled and used for revegetation when feasible. Temporary Erosion and Sediment Control measures must be removed as soon as the area has established vegetation sufficient to control erosion and sediment.
- e. If the Corps determines the project will result in temporary impacts of submerged aquatic vegetation (SAV) that are more than minimal, a monitoring plan must be submitted. If recovery is not achieved by the end of the monitoring period, contingencies must be implemented, and additional monitoring will be required.

This RGC does not apply to NWP 48, *Commercial Shellfish Aquaculture Activities*. Please see specific regional conditions for NWP 48.

D. CORPS REGIONAL SPECIFIC CONDITIONS FOR THIS NWP: none

E. ECOLOGY 401 CERTIFICATION: GENERAL CONDITIONS

In addition to all the Corps National and Seattle Districts' Regional permit conditions, the following State General Section 401 Water Quality Certification (Section 401) conditions apply to all Nationwide Permits whether **certified** or **partially certified** in the State of Washington.

1. **For in-water construction activities.** Ecology Section 401 review is required for projects or

activities authorized under NWP that will cause, or may be likely to cause or contribute to an exceedance of a State water quality standard (Chapter 173-201A WAC) or sediment management standard (Chapter 173-204 WAC). State water quality standards and sediment management standards are available on Ecology's website. Note: In-water activities include any activity within a wetland and/or activities below the ordinary high water mark (OHWM).

2. Projects or Activities Discharging to Impaired Waters. Ecology Section 401 review is required for projects or activities authorized under NWP if the project or activity will occur in a 303(d) listed segment of a waterbody or upstream of a listed segment and may result in further exceedances of the specific listed parameter. To determine if your project or activity is in a 303(d) listed segment of a waterbody, visit Ecology's Water Quality Assessment webpage for maps and search tools.

3. Application. For projects or activities that will require Ecology Section 401 review, applicants must provide Ecology with a Joint Aquatic Resources Permit Application (JARPA) along with the documentation provided to the Corps, as described in National General Condition 32, Pre-Construction Notification, including, when applicable: (a) A description of the project, including site plans, project purpose, direct and indirect adverse environmental effects the project would cause, best management practices (BMPs), and any other Department of the Army or federal agency permits used or intended to be used to authorize any part of the proposed project or any related activity. (b) Drawings indicating the Ordinary High Water Mark (OHWM), delineation of special aquatic sites and other waters of the state. Wetland delineations must be prepared in accordance with the current method required by the Corps and shall include Ecology's Wetland Rating form. Wetland rating forms are subject to review and verification by Ecology staff. Guidance for determining the OHWM is available on Ecology's website. (c) A statement describing how the mitigation requirement will be satisfied. A conceptual or detailed mitigation or restoration plan may be submitted. See State General Condition 5 for details on mitigation requirements. (d) Other applicable requirements of Corps Nationwide Permit General Condition 32, Corps Regional Conditions, or notification conditions of the applicable NWP. (e) Within 180 calendar days from receipt of applicable documents noted above **and** a copy of the final authorization letter from the Corps providing coverage for a proposed project or activity under the NWP Program Ecology will provide the applicant notice of whether an individual Section 401 will be required for the project. If Ecology fails to act within a year after receipt of **both** of these documents, Section 401 is presumed waived.

4. Aquatic resources requiring special protection. Certain aquatic resources are unique, difficult-to-replace components of the aquatic environment in Washington State. Activities that would affect these resources must be avoided to the greatest extent possible. Compensating for adverse impacts to high value aquatic resources is typically difficult, prohibitively expensive, and may not be possible in some landscape settings. Ecology Section 401 review is required for activities in or affecting the following aquatic resources (and not prohibited by Seattle District Regional General Condition): (a) Wetlands with special characteristics (as defined in the Washington State Wetland Rating Systems for western and eastern Washington, Ecology Publications #14-06-029 and #14-06-030):

- Estuarine wetlands.
- Wetlands of High Conservation Value.
- Bogs.
- Old-growth and mature forested wetlands.
- Wetlands in coastal lagoons.
- Interdunal wetlands.
- Vernal pools.
- Alkali wetlands.

(b) Fens, aspen-dominated wetlands, camas prairie wetlands. (c) Marine water with eelgrass (*Zostera marina*) beds (except for NWP 48). (d) Category I wetlands. (e) Category II wetlands with a habitat score ≥ 8 points. This State General Condition does not apply to the following Nationwide Permits:

5. Mitigation. Applicants are required to show that they have followed the mitigation sequence and have first avoided and minimized impacts to aquatic resources wherever practicable. For projects requiring Ecology Section 401 review with unavoidable impacts to aquatic resources, adequate compensatory mitigation must be provided.

(a) Wetland mitigation plans submitted for Ecology review and approval shall be based on the most current guidance provided in *Wetland Mitigation in Washington State, Parts 1 and 2* (available on Ecology's website) and shall, at a minimum, include the following:

i. A description of the measures taken to avoid and minimize impacts to wetlands and other waters of the U.S.

ii. The nature of the proposed impacts (i.e., acreage of wetlands and functions lost or degraded).

iii. The rationale for the mitigation site that was selected.

iv. The goals and objectives of the compensatory mitigation project.

v. How the mitigation project will be accomplished, including construction sequencing, best management practices to protect water quality, proposed performance standards for measuring success and the proposed buffer widths.

vi. How it will be maintained and monitored to assess progress towards goals and objectives. Monitoring will generally be required for a minimum of five years. For forested and scrub-shrub wetlands, 10 years of monitoring will often be necessary.

vii. How the compensatory mitigation site will be legally protected for the long term. Refer to *Wetland Mitigation in Washington State – Part 2: Developing Mitigation Plans* (Ecology Publication #06-06-011b) and *Selecting Wetland Mitigation Sites Using a Watershed Approach* (Ecology Publications #09-06-032 (Western Washington) and #10-06-007 (Eastern Washington)) for guidance on selecting suitable mitigation sites and developing mitigation plans. Ecology encourages the use of alternative mitigation approaches, including credit/debit methodology, advance mitigation, and other programmatic approach such as mitigation banks and in-lieu fee programs. If you are interested in proposing use of an alternative mitigation approach, consult with the appropriate Ecology regional staff person. Information on alternative mitigation approaches is available on Ecology's website.

(b) Mitigation for other aquatic resource impacts will be determined on a case-by-case basis.

6. Temporary Fills. Ecology Section 401 review is required for any project or activity with temporary fill in wetlands or other waters of the state for more than 90 days, unless the applicant has received written approval from Ecology. Note: This State General Condition does not apply to projects or activities authorized under NWP 33, *Temporary Construction, Access, and Dewatering*

7. Stormwater pollution prevention: All projects that involve land disturbance or impervious surfaces must implement stormwater pollution prevention or control measures to avoid discharge of pollutants in stormwater runoff to waters of the State.

(a) For land disturbances during construction, the applicant must obtain and implement permits (e.g., Construction Stormwater General Permit) where required and follow Ecology's current stormwater manual.

(b) Following construction, prevention or treatment of on-going stormwater runoff from impervious surfaces shall be provided.

Ecology's Stormwater Management and Design Manuals and stormwater permit information are available on Ecology's website.

8. State Section 401 Review for PCNs not receiving 45-day response from the Seattle District. In the event the Seattle District Corps does not issue a NWP authorization letter within 45 calendar days of receipt of a **complete** pre-construction notification, the applicant must contact Ecology for Section 401 review prior to commencing work.

F. ECOLOGY 401 CERTIFICATION: SPECIFIC CONDITIONS FOR THIS NWP:

Certified subject to conditions. Ecology Section 401 review is required for projects or activities authorized under this NWP if:

1. The project or activities are below the Ordinary High Water Mark (OHWM) with new work being proposed outside the original footprint.
2. The proposed project or activity increases the original footprint of the structure by more than 1/10th acre in wetlands.
3. The project or activity includes adding a new structure, such as a weir, flap gate/tide gate, or culvert to the site.

G. COASTAL ZONE MANAGEMENT CONSISTENCY RESPONSE FOR THIS NWP:

(Note: This only applies in the following counties: Clallam, Grays Harbor, Island, Jefferson, King, Kitsap, Mason, Pacific, Pierce, San Juan, Skagit, Snohomish, Thurston, Wahkiakum and Whatcom)

Response: Ecology concurs that this NWP is consistent with the CZMP, subject to the following condition: An individual Coastal Zone Management Consistency Determination is required for project or activities under this NWP if State Section 401 review is required.

General Conditions: For Non-Federal Permittees

1. Necessary Data and Information. A Coastal Zone Management Program "Certification of Consistency" form is required for projects located within a coastal county. "Certification of Consistency" forms are available on Ecology's website. The form shall include a description of the proposed project or activity and evidence of compliance with the applicable enforceable policies of the Washington Coastal Zone Management Program (CZMP). Also, a map of the site location is required.
2. Timing. Within 6 months from receipt of the necessary data and information, Ecology will provide a federal consistency determination for the proposed project or activity. If Ecology fails to act within the 6 month period, concurrence with the CZMP is presumed.

General Conditions: For Federal Permittees (Agencies)

1. Necessary Data and Information. Federal agencies shall submit the determination, information, and analysis required by 15 CFR 930.39 to obtain a federal consistency determination.
2. Timing. Within 60 days from receipt of the necessary data and information, Ecology will provide a federal consistency determination for the proposed project or activity. If Ecology fails to act within the 60 day period, concurrence with the CZMP is presumed.



US Army Corps
of Engineers ®
Seattle District

CERTIFICATE OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT



Permit Number: NWS-2019-660

Name of Permittee: Lewis County Public Works

Date of Verification: September 26, 2019

Upon completion of the activity authorized by this permit, please check the applicable boxes below, date and sign this certification, and return it to the following address:

Department of the Army
U.S. Army Corps of Engineers
Seattle District, Regulatory Branch
Post Office Box 3755
Seattle, Washington 98124-3755

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with the terms and conditions of your authorization, your permit may be subject to suspension, modification, or revocation.

<input type="checkbox"/>	<p>The work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of this permit.</p> <p>Date work complete: _____</p> <p><input type="checkbox"/> Photographs and as-built drawings of the authorized work (OPTIONAL, unless required as a Special Condition of the permit).</p>
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<input type="checkbox"/>	<p>If applicable, the mitigation required (e.g., construction and plantings) in the above-referenced permit has been completed in accordance with the terms and conditions of this permit (not including future monitoring).</p> <p>Date work complete: _____ <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Photographs and as-built drawings of the mitigation (OPTIONAL, unless required as a Special Condition of the permit).</p>
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<input type="checkbox"/>	<p>Provide phone number/email for scheduling site visits (must have legal authority to grant property access).</p> <p>Printed Name: _____</p> <p>Phone Number: _____ Email: _____</p>
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Printed Name: _____

Signature: _____

Date: _____

Report for Mitigation Work Completion

Immediately upon completion of the plantings, submit this form to:
U.S. Army Corps of Engineers, Regulatory Branch, P.O. Box 3755, Seattle, WA 98124-3755

Corps' Reference Number: _____

Date the Corps Issued Your Permit: _____

Date this Report is Due: _____

Your Name: _____

Your Address: _____

Your City/State/Zip Code: _____

Your Phone Number and Email: _____

- You must attach to this form:
- 1) As-built drawing of planting area(s), and
 - 2) Photographs of the planting area(s)

Date mitigation was completed: _____

Describe any changes from the approved mitigation plan:

Name of Species You Planted	Number Planted
Total Planted:	

If there are multiple sites, fill out a separate table for each planting area.

**LEWIS COUNTY – STATE ENVIRONMENTAL POLICY ACT
THRESHOLD DETERMINATION
DETERMINATION OF NONSIGNIFICANCE (DNS)**

LEAD AGENCY: Lewis County – Community Development Department

PROPONENT: Lewis County – Public Works (Ann Weckback)

FILE NUMBERS: SEP19-0022, LDR19-0056, SHD19-0006 & G19-00028

DESCRIPTION OF PROPOSAL: Replace existing 5 foot wide by 7 foot tall corrugated metal squash pipe of 40 foot in length with a 20 foot wide, 10 foot tall and 40 foot long precast concrete box culvert. Additional construction will include the placement and removal of a temporary bypass road, the regrade of approximately 10 foot of channel outside of the new culvert and placement of streambed within the culvert and channel regrade area.

LOCATION OF PROPOSAL: The project is located on Snyder Road (Mile Post 0.20) in Lewis County, WA– Sections 15 & 22, Township 13 N, Range 09 E, WM within County Road Right-of-Way.


THRESHOLD DETERMINATION:

The lead agency for this proposal has determined that it does not have a probable, significant adverse impact on the environment. An environmental impact statement (EIS) is NOT required under RCW 43.21C.030(2)(c). This decision was made after review by Lewis County of a completed environmental checklist and other information on file with this agency and such information is adopted herein by reference. This information is available for public review upon request.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the issue date below. Written comments may be submitted during the 14-day period.

Responsible Official: **Lee Napier, Director**
Lewis County Community Development
2025 NE Kresky Avenue
Chehalis, Washington 98532

Contact Person: **Karen Witherspoon, AICP, Senior Project Planner**


for Responsible Official

Date of Issue: **September 3, 2019**

*This SEPA determination may be appealed in writing to the Lewis County Hearings Examiner until 4 pm on **September 24, 2019** at the Lewis County Community Development Permit Center. Appellants should be prepared to make **specific factual objections**. The appeal procedure is established in Lewis County Code (LCC) Section 17.110.130 and LCC Section 2.25.130. The administrative appeal fee is established by Resolution No. 18-349 of the Board of County Commissioners.*

15:23:42

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-10-WA-4253-PW-00112

Title: 122S533 Lewis Co Snyder Rd Culvert

NEPA DETERMINATION

Non Compliant Flag: No EA Draft Date: EA Final Date:
 EA Public Notice Date: EA Fonsi Level: CATEX
 EIS Notice of Intent EIS ROD Date:

Comment This version of the PW is for design engineering, including surveying, environmental permitting and monitoring only. EHP review will be required prior to any project associated ground disturbance. - wkerschk - 04/24/2017 15:51:42 GMT
 46.61 -121.6642 --Lewis County will replace a deteriorating 7 foot wide by 5 foot high corrugated metal culvert 36 feet in length with a fish-passable 20 foot wide by 10 foot high precast concrete box culvert 40 feet in length at Snyder Road milepost (MP) 0.213. Additional construction will include the placement and removal of a bypass road as well as the permanent placement of streambed mix. - wkerschk - 09/20/2019 17:42:30 GMT
 Please note, above description is for Vers. 1 of PW. - wkerschk - 09/20/2019 19:44:53 GMT

CATEX CATEGORIES

Catex Category Code	Description	Selected
*n4	(*n4) Federal Assistance for Actions Involving Stream Work and Modification and Floodways. Federal assistance for repair and restoration actions, hazard mitigation actions other than flood control, or the new construction of facilities that are functionally dependent or facilitate open space use, when the actions are within or affect regulatory floodways, streams, and stream banks and that (a) Involve ground disturbance of less than 1/2 acre, (b) Involve stream bank work or alteration of less than 300 linear feet, (c) Do not involve hardening or armoring of the stream banks unless the project uses stream or stream bank bioengineering techniques and improve fish passage or habitat, (d) Do not result in adverse flood risk effects to downstream communities, (e) Do not result in any increase of flood levels within the community during the occurrence of the base flood discharge if the action takes place within the regulatory floodway, and (f) Where the effect of the proposed project when combined with other existing or reasonably foreseeable development will not increase water surface elevation of the base flood more than one foot at any point within the community if the action takes place in a floodplain with no regulatory floodway.	Yes

EXTRAORDINARY

Extraordinary Circumstance Code	Description	Selected ?
	No Extraordinary Circumstances were selected	

ENVIRONMENTAL LAW / EXECUTIVE ORDER

Environmental Law/ Executive Order	Status	Description	Comment
Clean Air Act (CAA)	Completed	Project will not result in permanent air emissions - Review concluded	

15:23:42

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-10-WA-4253-PW-00112

Title: 122S533 Lewis Co Snyder Rd Culvert

Environmental Law/ Executive Order	Status	Description	Comment
Coastal Barrier Resources Act (CBRA)	Not Applicable	Project is not on or connected to CBRA Unit or otherwise protected area - Review concluded	
Clean Water Act (CWA)	Completed	Project would affect waters, including wetlands, of the U.S.	Applicant has submitted a USACE permit which is in process. - wkerschk - 09/20/2019 17:44:59 GMT
	Completed	Project may require Section 404/401 or Section 9/10 (Rivers and Harbors Act) permit, including qualification under Nationwide Permits - Review concluded	
Coastal Zone Management Act (CZMA)	Completed	Project is not located in a coastal zone area and does not affect a coastal zone area - Review concluded	
Executive Order 11988 - Floodplains	Completed	Located in floodplain or effects on floodplain/flood levels	Project includes upsizing a culvert in a mapped floodplain per review of FIRM 5301020370B, Dated: 12/15/1981. Project is not anticipated to affect downstream resources due to the flat topography and lack of downstream infrastructure. The proposed project is functionally dependent and the only practical alternative. FIRM and 8-step attached. - wkerschk - 09/20/2019 17:53:23 GMT
	Completed	Possible adverse effects associated with investment in floodplain, occupancy or modification of floodplain environment	
	Completed	8 Step Process Complete - documentation attached - Review concluded	
Executive Order 11990 - Wetlands	Completed	Located in wetlands or effects on wetlands	
	Completed	Possible adverse effect associated with constructing in or near wetland	
	Completed	Review completed as part of floodplain review - Review concluded	
Executive Order 12898 - Environmental Justice for Low Income and Minority Populations	Completed	Low income or minority population in or near project area	
	Completed	No disproportionately high and adverse impact on low income or minority population - Review concluded	

15:23:42

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-10-WA-4253-PW-00112

Title: 122S533 Lewis Co Snyder Rd Culvert

Environmental Law/ Executive Order	Status	Description	Comment
Endangered Species Act (ESA)	Completed	Listed species and/or designated critical habitat present in areas affected directly or indirectly by the federal action	This version of the PW is for design engineering, including surveying, environmental permitting and monitoring only. EHP review will be required prior to any project associated ground disturbance - wkerschk - 04/24/2017 15:55:13 GMTVers. 1. Based on review of salmonscape, USFWS Critical Habitat Mapper, WDFW Priority Habitat Mapper, there are no federally listed fish/aquatic species or critical habitat in the project vicinity. IPAC notes that the Gray wolf, marbled murrelet, yellow-billed cuckoo, and bull trout might be found in the general vicinity, however, the project occurs in a residential/agriculture area of the city of Packwood, with residential and farm structures, agriculture fields, rural roads, and patchy fragmented forest vegetation. No bull trout have been documented in the subject stream or project vicinity and there is no suitable habitat for the previously noted terrestrial species. In addition, the SOW meets Lewis County Regional Road Maintenance program ESA4(d) Coverage (NMFS). FEMA has made a no-effect determination for ESA listed species, critical habitat, and EFH. - wkerschk - 09/20/2019 17:49:51 GMT
	Completed	No effect to species or designated critical habitat (See comments for justification) - Review concluded	
Farmland Protection Policy Act (FPPA)	Completed	Project does not affect designated prime or unique farmland - Review concluded	
Migratory Bird Treaty Act (MBTA)	Completed	Project located within a flyway zone	
	Completed	Project does not have potential to take migratory birds - Review concluded	
Magnuson-Stevens Fishery Conservation and Management Act (MSA)	Completed	Project not located in or near Essential Fish Habitat - Review concluded	see ESA Section. - wkerschk - 09/20/2019 17:47:16 GMT
National Historic Preservation Act (NHPA)	Completed	Standard Section 106 review	This version meets PA, appendix B.7.-Exempt or no potential to affect. - wkerschk - 04/24/2017 15:54:49 GMTVers 1.--Standard 106 consultation to SHPO, Nisqually Tribe, Chehalis Tribe, Cowlitz Tribe, Yakima Tribe. Concurrence received from SHPO no-comment from Tribes during 30-day comment period. - wkerschk - 09/20/2019 17:44:09 GMT

15:23:42

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-10-WA-4253-PW-00112

Title: 122S533 Lewis Co Snyder Rd Culvert

Environmental Law/ Executive Order	Status	Description	Comment
	Completed	Historic Buildings and Structures	
	Completed	No properties in the project area are 50 years or older or listed on the National Register - Review concluded	
	Completed	Archeological Resources	
	Completed	Project affects undisturbed ground	
	Completed	Project area has potential for presence of archeological resources	
	Completed	Determination of historic properties affected	
	Completed	NR eligible resources not present (FEMA finding/SHPO/THPO concurrence attached) - Review concluded	

CONDITIONS

Special Conditions required on implementation of Projects:

Applicant should contact the local county floodplain manager regarding compliance with County codes for the subject project.

Source of condition: Executive Order 11988 - Floodplains

Monitoring Required: No

Applicant must retain USACE Clean Water Act 404 permit documentation for project closeout and comply with all terms and conditions of the permit.

Source of condition: Clean Water Act (CWA)

Monitoring Required: No

In the event of an inadvertent discovery of possible archaeological materials, all work will stop immediately and FEMA and the State EMD will be contacted. No work shall commence until authorized by FEMA and the State EMD.

Source of condition: National Historic Preservation Act (NHPA)

Monitoring Required: No

Standard Conditions:

Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

09/24/2019

FEDERAL EMERGENCY MANAGEMENT AGENCY

REC-01

15:23:42

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-10-WA-4253-PW-00112

Title: 122S533 Lewis Co Snyder Rd Culvert



HYDRAULIC PROJECT APPROVAL

Washington Department of
Fish & Wildlife
PO Box 43234
Olympia, WA 98504-3234
(360) 902-2200

Issued Date: October 03, 2019
Project End Date: October 03, 2022

Permit Number: 2019-5-101+01
FPA/Public Notice Number: N/A
Application ID: 18987

PERMITTEE	AUTHORIZED AGENT OR CONTRACTOR
Lewis County Public Works ATTENTION: Ann Weckback 2025 NE Kresky Ave Chehalis, WA 98532-2308	

Project Name: Snyder Road (MP 0.20) Culvert Replacement – SM15F721210020

Project Description: Lewis County Public Works is proposing to replace an existing 5-ft wide by 7-ft in tall corrugated metal squash pipe 40 ft in length with a 20-ft wide by 10-ft tall precast concrete box culvert 40 feet in length. Additional construction will include the placement and removal of a temporary bypass road, the regrade of approximately 10 ft of channel outside of the new culvert and placement of streambed within the culvert and channel regrade area.

PROVISIONS

TIMING - PLANS - INVASIVE SPECIES CONTROL

1. **TIMING LIMITATION:** You may begin the project on October 3, 2019 and you must complete the project by October 3, 2022.

Work below Ordinary High Water shall only occur between June 15 and September 30.

2. **APPROVED PLANS:** You must accomplish the work per plans and specifications submitted with the application and approved by the Washington Department of Fish and Wildlife, except as modified by this Hydraulic Project Approval. You must have a copy of these plans available on site during all phases of the project construction.

3. **INVASIVE SPECIES CONTROL:** Follow Level 1 Decontamination protocol for low risk locations. Thoroughly remove visible dirt and organic debris from all equipment and gear (including drive mechanisms, wheels, tires, tracks, buckets and undercarriage) before arriving and leaving the job site to prevent the transport and introduction of invasive species. Properly dispose of any water and chemicals used to clean gear and equipment. For contaminated or high risk sites please refer to the Level 2 Decontamination protocol. You can find this and additional information in the Washington Department of Fish and Wildlife's "Invasive Species Management Protocols", available online at <https://wdfw.wa.gov/species-habitats/invasive/prevention>.

NOTIFICATION REQUIREMENTS

4. **PRE-, DURING, AND POST-CONSTRUCTION NOTIFICATION:** You, your agent, or contractor must contact the Washington Department of Fish and Wildlife by e-mail at HPAapplications@dfw.wa.gov; mail to Post Office Box 43234, Olympia, Washington 98504-3234; or fax to (360) 902-2946 at least three business days before starting work, one day before removing the temporary bypass and again within seven days after completing the work. The notification must include the permittee's name, project location, starting date for work or date the work was completed, and the permit number. The Washington Department of Fish and Wildlife may conduct inspections during and after construction; however, the Washington Department of Fish and Wildlife will notify you or your agent before conducting the inspection.

5. **FISH KILL/ WATER QUALITY PROBLEM NOTIFICATION:** If a fish kill occurs or fish are observed in distress at the job site, immediately stop all activities causing harm. Immediately notify the Washington Department of Fish and



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Wildlife of the problem. If the likely cause of the fish kill or fish distress is related to water quality, also notify the Washington Military Department Emergency Management Division at 1-800-258-5990. Activities related to the fish kill or fish distress must not resume until the Washington Department of Fish and Wildlife gives approval. The Washington Department of Fish and Wildlife may require additional measures to mitigate impacts.

STAGING, JOB SITE ACCESS, AND EQUIPMENT

6. Establish staging areas (used for equipment storage, vehicle storage, fueling, servicing, and hazardous material storage) in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.
7. This Hydraulic Project Approval authorizes the construction of no more than one new temporary access road.
8. Design and locate new temporary access roads to prevent erosion and sediment delivery to waters of the state.
9. Clearly mark boundaries to establish the limit of work associated with site access and construction.
10. Limit the removal of native bankline vegetation to the minimum amount needed to construct the project.
11. This Hydraulic Project Approval authorizes only the removal of the large woody vegetation shown in the approved plan. Clearly mark all large woody vegetation authorized for removal before starting work.
12. Retain all natural habitat features on the bed or banks including large woody material and boulders. You may move these natural habitat features during construction but you must place them near the preproject location before leaving the job site.
13. Confine the use of equipment to the specific access and work corridor shown in the approved plans.
14. Equipment used for this project may operate waterward of the ordinary high water line, provided the drive mechanisms (wheels, tracks, tires, etc.) do not enter or operate waterward of the ordinary high water line.
15. Check equipment daily for leaks and complete any required repairs in an upland location before using the equipment in or near the water.
16. Use environmentally acceptable lubricants composed of biodegradable base oils such as vegetable oils, synthetic esters, and polyalkylene glycols in equipment operated in or near the water.

CONSTRUCTION-RELATED SEDIMENT, EROSION AND POLLUTION CONTAINMENT

17. Work in the dry watercourse (when no natural flow is occurring in the channel, or when flow is diverted around the job site).
18. Protect all disturbed areas from erosion. Maintain erosion and sediment control until all work and cleanup of the job site is complete.
19. All erosion control materials that will remain onsite must be composed of 100% biodegradable materials.
20. Straw used for erosion and sediment control, must be certified free of noxious weeds and their seeds.
21. Stop all hydraulic project activities except those needed to control erosion and siltation, if flow conditions arise that will result in erosion or siltation of waters of the state.
22. Prevent project contaminants, such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials, from entering or leaching into waters of the state.
23. Route construction water (wastewater) from the project to an upland area above the limits of anticipated floodwater. Remove fine sediment and other contaminants before discharging the construction water to waters of the state.
24. Deposit waste material from the project, such as construction debris, silt, excess dirt, or overburden, in an upland area above the limits of anticipated floodwater unless the material is approved by the Washington Department of Fish and Wildlife for reuse in the project.



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25. Deposit all trash from the project at an appropriate upland disposal location.

CONSTRUCTION MATERIALS

26. Store all construction and deconstruction material in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh cement, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.

IN-WATER WORK AREA ISOLATION USING BLOCK NETS

27. Isolate fish from the work area by using block nets.
28. Install block nets at sites with reduced flow volume or velocity, uniform depth, and good accessibility.
29. Do not install block nets at sites with heavy vegetation, large cobble or boulders, undercut banks, or deep pools unless you can secure and maintain them.
30. Install block nets at an angle to the direction of flow (not perpendicular to the flow) to avoid entrapping fish in the nets.
31. After the first block net is secured at the upstream end, use a second block net to herd fish downstream and out of the project area.
32. Install a downstream block net if fish may reenter the work area from downstream.
33. To anchor block nets, place bags filled with clean round gravel along the bottom of the nets.
34. Secure block nets along both banks and the channel bottom to prevent failure from debris accumulation, high flows, and/or flanking.
35. To keep fish out of the job site, leave block nets in place until the work is complete and conditions are suitable for fish.
36. Check block nets at least three times a day for entangled fish and accumulated debris.

IN-WATER WORK AREA ISOLATION USING A TEMPORARY BYPASS

37. Isolate fish from the work area by using either a total or partial bypass to reroute the stream through a temporary channel or pipe.
38. Provide fish passage during times of the year when fish are expected to migrate.
39. Sequence the work to minimize the duration of dewatering.
40. Use the least-impacting feasible method to temporarily bypass water from the work area. Consider the physical characteristics of the site and the anticipated volume of water flowing through the work area.
41. Design the temporary bypass to minimize the length of the dewatered stream channel.
42. During all phases of bypass installation and decommissioning, maintain flows downstream of the project site to ensure survival of all downstream fish.
43. Install a cofferdam or similar device at the upstream and downstream end of the bypass to prevent backwater from entering the work area.
44. Return diverted water to the channel immediately downstream of the work area. Dissipate flow energy from the diversion to prevent scour or erosion of the channel and bank.
45. If the diversion inlet is a gravity diversion that provides fish passage, place the diversion outlet where it facilitates gradual and safe reentry of fish into the stream channel.
46. If the bypass is a pumped diversion, once started it must run continuously until it is no longer necessary to bypass flows. This requires back-up pumps on-site and twenty-four-hour monitoring for overnight operation.
47. If the diversion inlet is a pump diversion in a fish-bearing stream, the pump intake structure must have a fish screen



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installed, operated, and maintained in accordance with RCW 77.57.010 and 77.57.070. Screen the pump intake with one of the following:

- a) Perforated plate: 0.094 inch (maximum opening diameter);
- b) Profile bar: 0.069 inch (maximum width opening); or
- c) Woven wire: 0.087 inch (maximum opening in the narrow direction).

The minimum open area for all types of fish screens is twenty-seven percent. The screened intake facility must have enough surface area to ensure that the velocity through the screen is less than 0.4 feet per second. Maintain fish screens to prevent injury or entrapment of fish.

48. The fish screen must remain in place whenever water is withdrawn from the stream through the pump intake.
49. Remove fish screens on dewatering pumps in the isolated work area only after all fish are safe and excluded from the work area.
50. Isolate pump hose intakes with block nets so that fish cannot get near the intake.

FISH LIFE REMOVAL

51. All persons participating in capture and removal must have training, knowledge, and skills in the safe handling of fish life.
52. If electrofishing is conducted, a person with electrofishing training must be on-site to conduct or direct all electrofishing activities.
53. Place block nets upstream and downstream of the in-water work area before capturing and removing fish life.
54. Capture and safely move fish life from the work area to the nearest suitable free-flowing water.

CULVERT

55. Install and maintain the culvert to ensure unimpeded fish passage.
56. Establish the culvert invert elevation with reference point(s) or benchmark(s) created before to starting work on this project. Clearly mark and preserve the reference point(s) for post-project compliance. Before backfilling, confirm the invert elevation, as stated on the plans, relative to the reference points with at least a construction-grade leveling device (such as an optical auto-level or laser level).
57. The authorized culvert is a no slope design.
58. The length of the culvert must not exceed 40 feet.
59. The width of the channel-bed inside a no-slope culvert at the elevation of the stream bed must be equal to or greater than the average channel bed width.
60. Set the no slope culvert at a zero gradient although the prevailing stream gradient may be up to 3% percent.
61. Countersink the no-slope culvert a minimum of twenty percent of the culvert rise at the culvert outlet downstream and a maximum of forty-percent of the culvert rise at the culvert inlet upstream.
62. Protect structural fill associated with the culvert installation from erosion to the 100-year peak flow.
63. Approach material must be structurally stable and composed of material that if eroded into the water will not harm fish life.
64. The owner(s) must maintain the culvert to ensure it provides continued, unimpeded fish passage. If the culvert becomes a hindrance to fish passage, the owner must obtain an Hydraulic Project Approval and provide prompt repair.

DEMobilIZATION AND CLEANUP

65. Do not relocate removed or replaced structures within waters of the state. Remove and dispose of these structures in an upland area above the limits of anticipated floodwater.
66. Upon completion of the project, restore the disturbed bed, banks, and riparian zone to preproject condition to the



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extent possible.

- 67. Completely remove any temporary fill before the end of the in-water timing window if the fill material could erode and deliver sediment-laden water into waters of the state.
- 68. To prevent fish from stranding, backfill trenches, depressions, and holes in the bed that may entrain fish during high water or wave action.
- 69. To minimize sediment delivery to the stream or stream channel, do not return in-stream flows to the work area until all in-channel work is completed and the bed and banks are stabilized.
- 70. Seed areas disturbed by construction activities with a native seed mix suitable for the site that has at least one quick-establishing plant species.
- 71. Replace native riparian zone vegetation damaged or destroyed by construction.
- 72. Upon completion of the project, remove all materials or equipment from the site and dispose of all excess spoils and waste materials in an upland area above the limits of anticipated floodwater.
- 73. Return water flow slowly to the in-water work area to prevent the downstream release of sediment laden water. If necessary, install silt fencing above the bypass outlet to capture sediment during re-watering of the channel.
- 74. Remove temporary erosion and sediment control methods after job site is stabilized or within three months of project completion, whichever is sooner.

LOCATION #1:		Site Name: Snyder Road MP 0.20 Snyder Road MP 0.20, 98361, Packwood, WA				
WORK START:		June 15, 2020		WORK END:		September 30, 2020
<u>WRIA</u>		<u>Waterbody:</u>			<u>Tributary to:</u>	
26 - Cowlitz		Hall Creek (lb)			Cowlitz River	
<u>1/4 SEC:</u>	<u>Section:</u>	<u>Township:</u>	<u>Range:</u>	<u>Latitude:</u>	<u>Longitude:</u>	<u>County:</u>
SE 1/4	15	13 N	09 E	46.610127	-121.664078	Lewis
<u>Location #1 Driving Directions</u>						
From I-5, take exit 68 for US-12 E toward Morton/Yakima. Turn east onto US-12 E. Take US-12 E to Snyder Rd for 75 miles. Turn right onto Snyder Rd then after 0.2 miles you will have arrived at the project location.						

APPLY TO ALL HYDRAULIC PROJECT APPROVALS

This Hydraulic Project Approval pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW. Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this Hydraulic Project Approval is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state and/or federal) that may be necessary for this project.

This Hydraulic Project Approval shall be available on the job site at all times and all its provisions followed by the person (s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work.



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This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this Hydraulic Project Approval.

Failure to comply with the provisions of this Hydraulic Project Approval could result in civil action against you, including, but not limited to, a stop work order or notice to comply, and/or a gross misdemeanor criminal charge, possibly punishable by fine and/or imprisonment.

All Hydraulic Project Approvals issued under RCW 77.55.021 are subject to additional restrictions, conditions, or revocation if the Department of Fish and Wildlife determines that changed conditions require such action. The person(s) to whom this Hydraulic Project Approval is issued has the right to appeal those decisions. Procedures for filing appeals are listed below.

MINOR MODIFICATIONS TO THIS HPA: You may request approval of minor modifications to the required work timing or to the plans and specifications approved in this HPA unless this is a General HPA. If this is a General HPA you must use the Major Modification process described below. Any approved minor modification will require issuance of a letter documenting the approval. A minor modification to the required work timing means any change to the work start or end dates of the current work season to enable project or work phase completion. Minor modifications will be approved only if spawning or incubating fish are not present within the vicinity of the project. You may request subsequent minor modifications to the required work timing. A minor modification of the plans and specifications means any changes in the materials, characteristics or construction of your project that does not alter the project's impact to fish life or habitat and does not require a change in the provisions of the HPA to mitigate the impacts of the modification. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a minor modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are seeking a minor modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234, or by email to HPAapplications@dfw.wa.gov. You should allow up to 45 days for the department to process your request.

MAJOR MODIFICATIONS TO THIS HPA: You may request approval of major modifications to any aspect of your HPA. Any approved change other than a minor modification to your HPA will require issuance of a new HPA. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a major modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are requesting a major modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send your written request by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234. You may email your request for a major modification to HPAapplications@dfw.wa.gov. You should allow up to 45 days for the department to process your request.



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APPEALS INFORMATION

If you wish to appeal the issuance, denial, conditioning, or modification of a Hydraulic Project Approval (HPA), Washington Department of Fish and Wildlife (WDFW) recommends that you first contact the department employee who issued or denied the HPA to discuss your concerns. Such a discussion may resolve your concerns without the need for further appeal action. If you proceed with an appeal, you may request an informal or formal appeal. WDFW encourages you to take advantage of the informal appeal process before initiating a formal appeal. The informal appeal process includes a review by department management of the HPA or denial and often resolves issues faster and with less legal complexity than the formal appeal process. If the informal appeal process does not resolve your concerns, you may advance your appeal to the formal process. You may contact the HPA Appeals Coordinator at (360) 902-2534 for more information.

A. INFORMAL APPEALS: WAC 220-660-460 is the rule describing how to request an informal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete informal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request an informal appeal of that action. You must send your request to WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. WDFW must receive your request within 30 days from the date you receive notice of the decision. If you agree, and you applied for the HPA, resolution of the appeal may be facilitated through an informal conference with the WDFW employee responsible for the decision and a supervisor. If a resolution is not reached through the informal conference, or you are not the person who applied for the HPA, the HPA Appeals Coordinator or designee may conduct an informal hearing or review and recommend a decision to the Director or designee. If you are not satisfied with the results of the informal appeal, you may file a request for a formal appeal.

B. FORMAL APPEALS: WAC 220-660-470 is the rule describing how to request a formal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete formal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request a formal appeal of that action. You must send your request for a formal appeal to the clerk of the Pollution Control Hearings Boards and serve a copy on WDFW within 30 days from the date you receive notice of the decision. You may serve WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, you may request a formal appeal within 30 days from the date you receive the Director's or designee's written decision in response to the informal appeal.

C. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS: If there is no timely request for an appeal, the WDFW action shall be final and unappealable.



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Habitat Biologist Scott.Brummer@dfw.wa.gov
Scott Brummer 360-785-0472

A handwritten signature in black ink that reads "Scott Brummer".

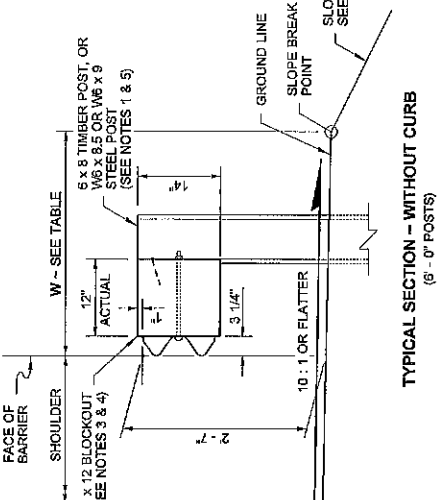
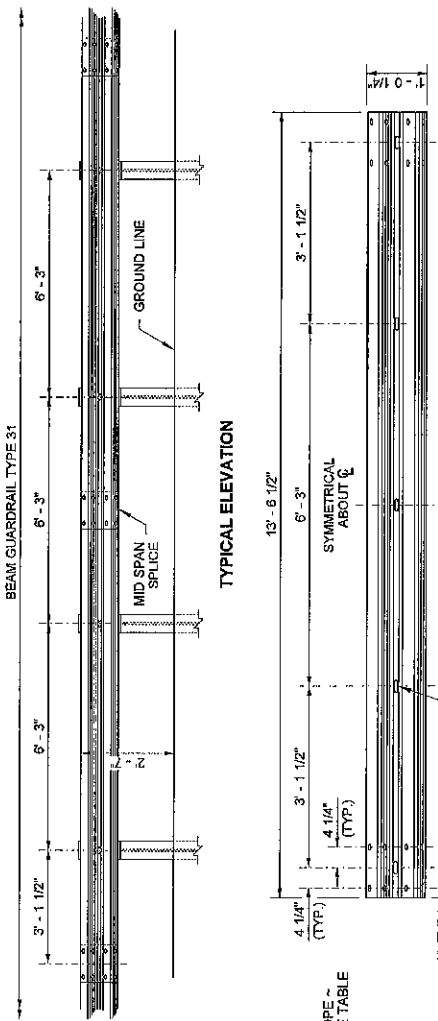
for Director
WDFW

APPENDIX F

STANDARD PLANS

CONTRACT PLANS

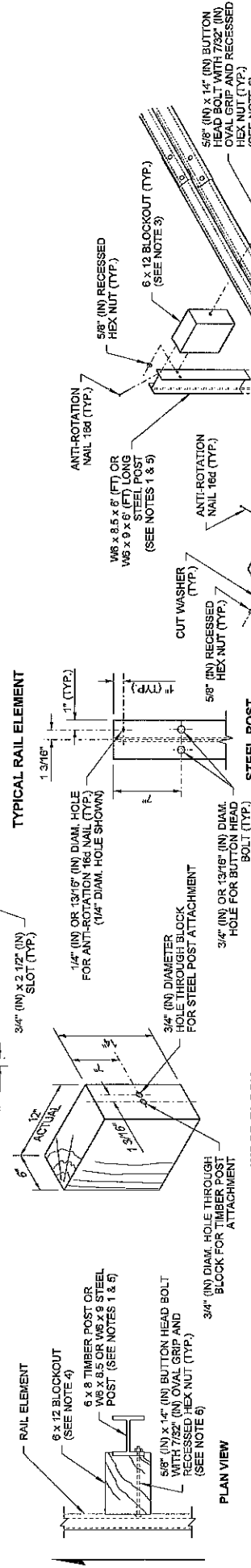
BEAM GUARDRAIL TYPE 31



DRAWN BY: FERN LIDDELL

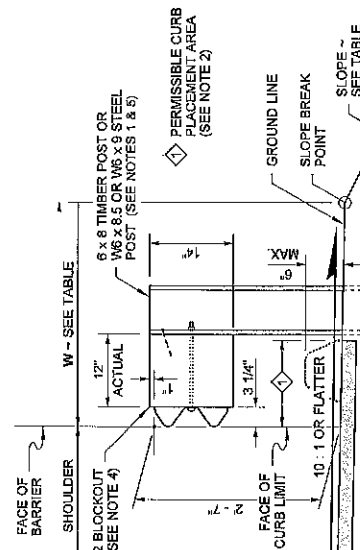
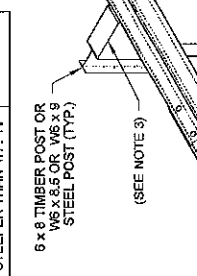
NOTES

1. Refer to **Standard Plan C-1b** and **C-20-11** for additional details not shown on this plan.
2. Extend shoulder pavement to provide a base for the extruded curb. See **Contract Plans** for exceptions to distances shown.
3. Use a single block or combination of blocks (no more than two (2) to achieve the actual 12" (in) offset. See **Standard Specification, Section 9-16.3(2)**. Wood blocks shall be secured to the posts with anti-rotation nails. If combination blocks are used, the adjacent blocks shall be toenailed with two 16g galvanized nails to prevent block rotation.
4. Wood blocks are shown. Blocks of an approved alternative material may be used. See **Standard Specification, Section 9-16.3(2)**.
5. All posts for any standard barrier run shall be of the same type: timber or steel.
6. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.



SLOPE \ EMBANKMENT TABLE
FOR STD. 6' POSTS

SLOPE	W (FT)
2H : 1V OR FLATTER	2.5 MIN.
STEEPER THAN 2H : 1V BUT NOT STEEPER THAN 1H : 1V	4.0' MIN.

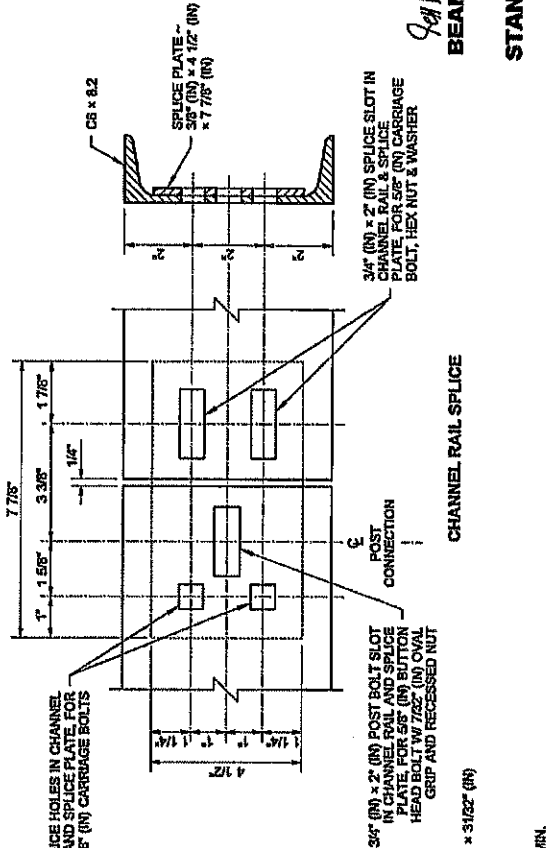
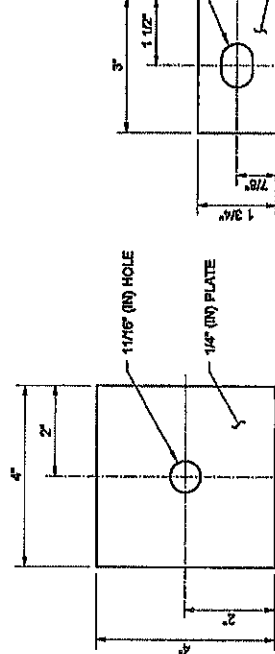
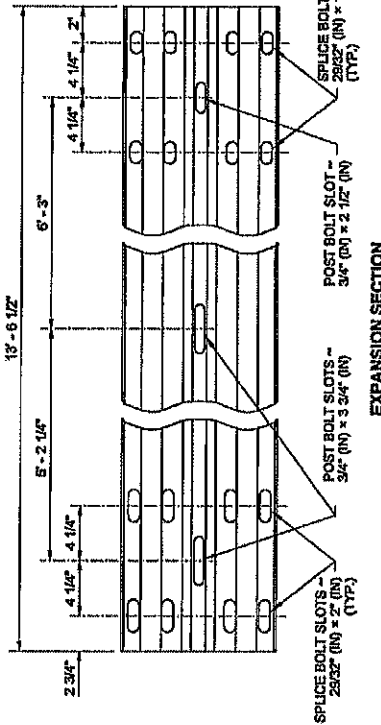
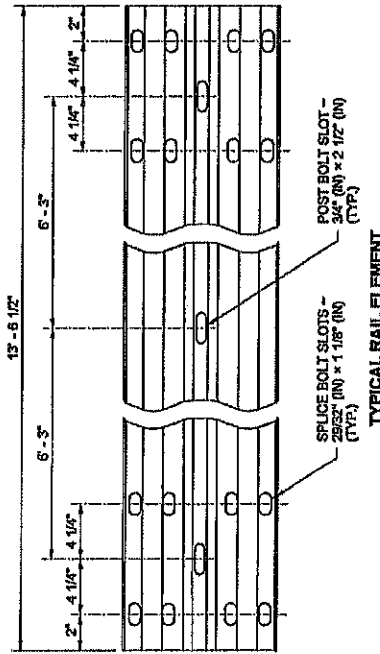


Drawn by: Fern Liddell
Date: Aug 10 2019 1:43 PM
BEAM GUARDRAIL TYPE 31
STANDARD PLAN C-20-10-05
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Kurtz, Steve
Aug 12 2019 11:48 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

NOTES

- When required by the Contract, a Snow Load Post Washer shall be used on the backside of the post (in lieu of the 1 3/4" (in) Post Bolt Washer) and a Snow Load Rail Washer shall be placed on the face side of Beam Guardrail Types 1 and 2. Snow Load Rail Washers shall not be installed on terminals.
- Rail Washers, also called "Snow Load Rail Washers", are not required on new installation, except as called for in Note 1. Unnecessary Rail Washers need not be removed from existing installations, except those on posts 2 through 8 of a BCT installation shall be removed.
- Timber blocks shall be toe-nailed to the post with a 16d galvanized nail to prevent block rotation.
- For post and block details, see Standard Plan C-1b.
- When "Beam Guardrail Type - Fl Long Post" is specified in the Contract, the post length shall be stamped with numbers, 1 1/2" (in) min. high and 3/4" (in) wide at the location where the letter "H" is shown in the ASSEMBLY DETAIL. For wood post applications, the letter shall be stamped to a minimum depth of 1/4" (in). For steel post applications, the letter shall be legible after the post is galvanized. After post installation, it shall be the Contractor's responsibility to ensure the stamped numbers remain visible.
- Existing posts shall not be raised. Replace posts as necessary to achieve required guardrail height.
- Holes shall be located on approaching traffic side of web.



JEFFREY P. MASON
PROFESSIONAL ENGINEER
STATE OF WASHINGTON
LICENSE NO. 100000000

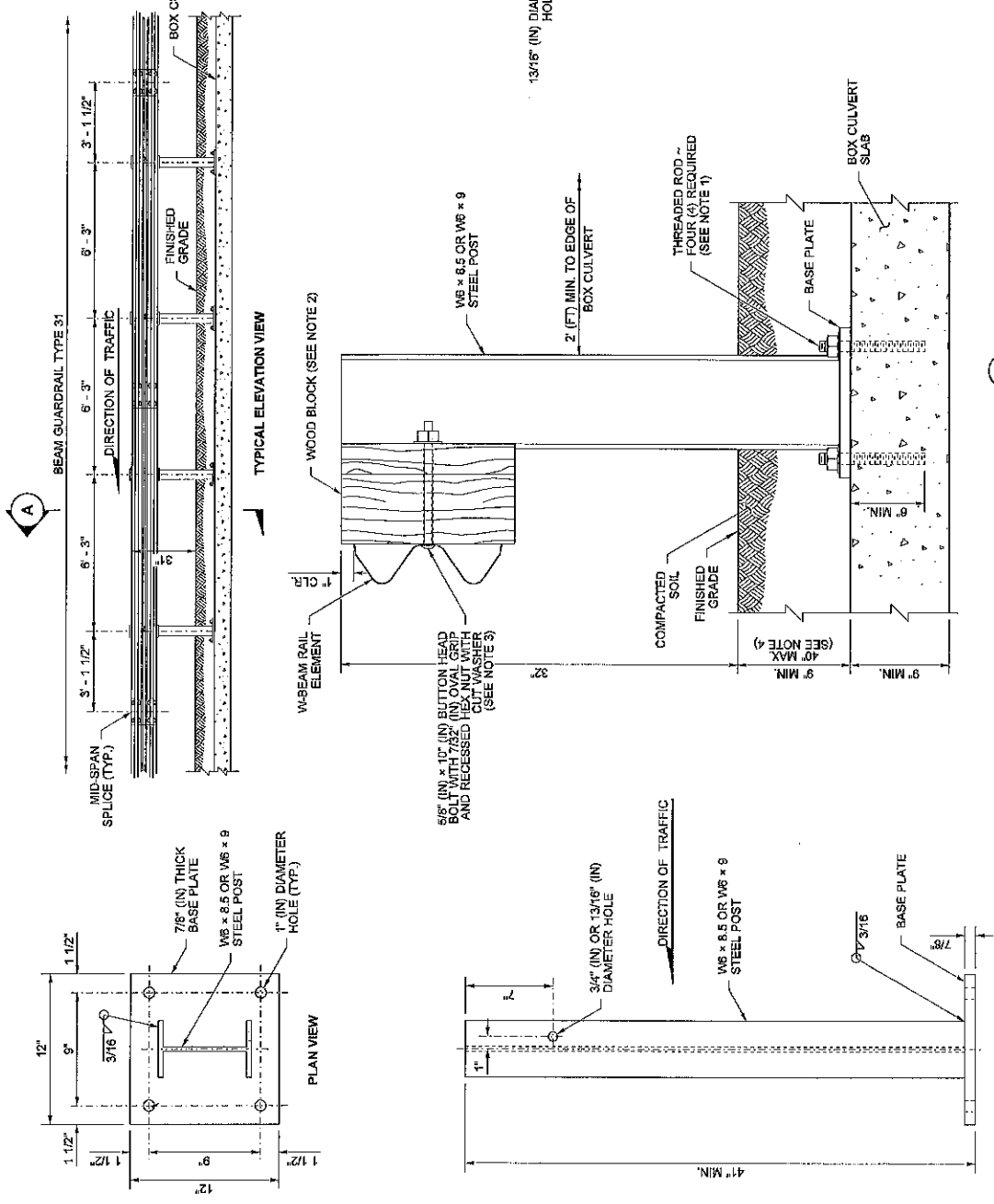
Jeffrey P. Mason
February, Ltd (BIO Design)
July 6, 2017 2:11 PM

BEAM GUARDRAIL TYPE 31 COMPONENTS
STANDARD PLAN C-20.11-00
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
DATE: 07/27/2017
BY: JPM/MLK
STATE ENGINEER
Washington State Department of Transportation

NOTES

1. Attach Guardrail Post to Box Culvert with 7/8" (in) diameter high-strength threaded rods 8 1/2" (in) in length with resin-bonded anchors.
2. Wood blocks are shown. Blocks of an approved alternative may be used. See **Standard Specification, Section 9-16.3(2)**.
3. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
4. For fill depths greater than 40 inches, drive standard guardrail posts and install guardrail per **Standard Plan C-20.10**.



DRAWN BY: FERN LIDDELL



John P. De...
Donahue, John
Aug 10 2019 1:37 PM

**BOX CULVERT
GUARDRAIL STEEL
POST ~ TYPE 31**

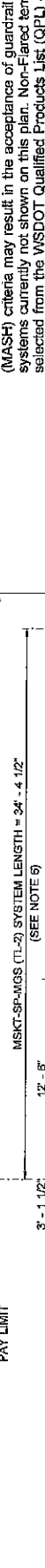
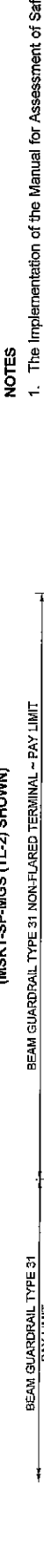
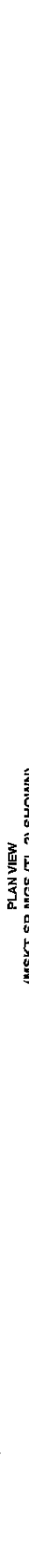
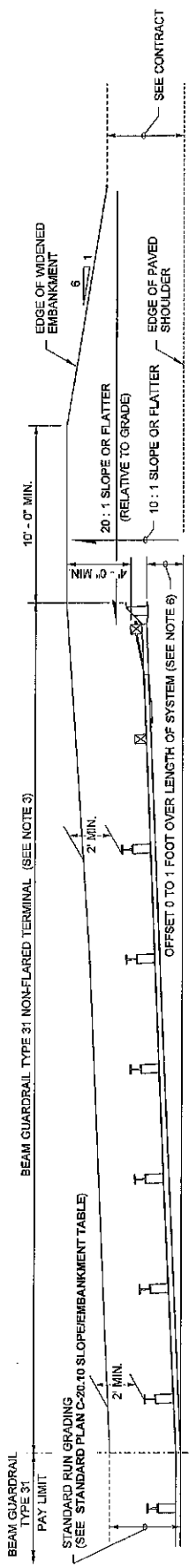
STANDARD PLAN C-20.41-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Randy Shave
Aug 12 2019 11:51 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

SECTION A
**BOX CULVERT GUARDRAIL
STEEL POST TYPE 31**

**BOX CULVERT POST
ELEVATION VIEW**



NOTES

1. The Implementation of the Manual for Assessment of Safety Hardware (MASH) criteria may result in the acceptance of guardrail terminal systems currently not shown on this plan. Non-Flared terminals shall be selected from the WSDOT Qualified Products List (QPL) or approved through the WSDOT Request for Approval of Materials (RAM) process.
2. This terminal is MASH compliant at Test Level Two (TL-2) and may be used in applications with posted speed of 45 mph or less.
3. An MSKT-SP-MGS (TL-2) as manufactured by Road Systems, Inc. SOFTSTOP (TL-2) as manufactured by Trinity Highway Products, LLC, or MAX-TENSION (TL-2) as manufactured by Lindsey Transportation Solutions, shall be installed according to manufacturer's recommendations.
4. A reflectorized object marker shall be installed according to manufacturer's recommendations.
5. Snow load rail washers shall not be installed within the terminal limits.
6. Provide an offset between 0 to 1 foot so that the impact head does not encroach onto the paved shoulder. The offset is provided over the length of the terminal system from the center of the last post splice to either:
 - (1) The face of the impact head at its leading edge (MSKT-SP-MGS), or
 - (2) The center of anchor Post 0 (Softstop or Max-Tension). Provide the maximum offset where practicable.
7. For terminal details, see WSDOT approved manufacturer's drawings.
8. These terminals are supplied with steel posts only. They can be used with beam guardrail Type 31 runs, composed of steel or wood guardrail posts.



**BEAM GUARDRAIL TYPE 31
NON-FLARED TERMINAL
(POSTED SPEED
45 MPH AND BELOW)
STANDARD PLAN C-22.45-04**

SHEET 1 OF 1 SHEET

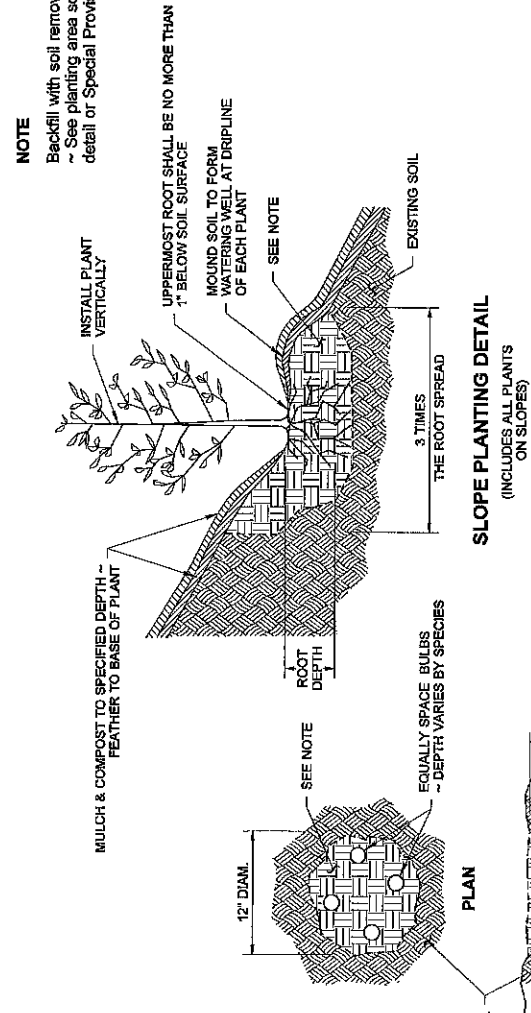
APPROVED FOR PUBLICATION

Blank, Steve
Aug 12 2019 11:52 AM

STATE DESIGN ENGINEER

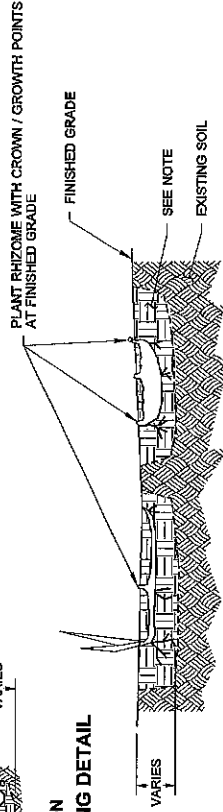
Washington State Department of Transportation

NOTE
 Backfill with soil removed from hole
 ~ See planting area soil preparation
 detail or Special Provisions.

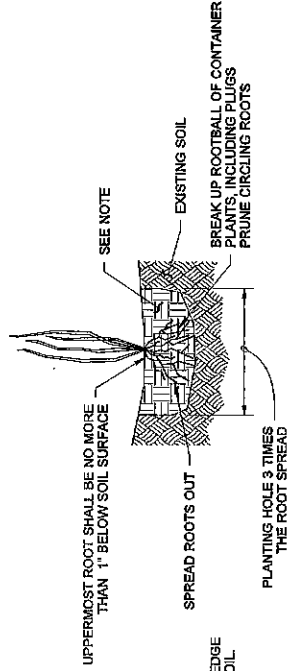


SLOPE PLANTING DETAIL
 (INCLUDES ALL PLANTS
 ON SLOPES)

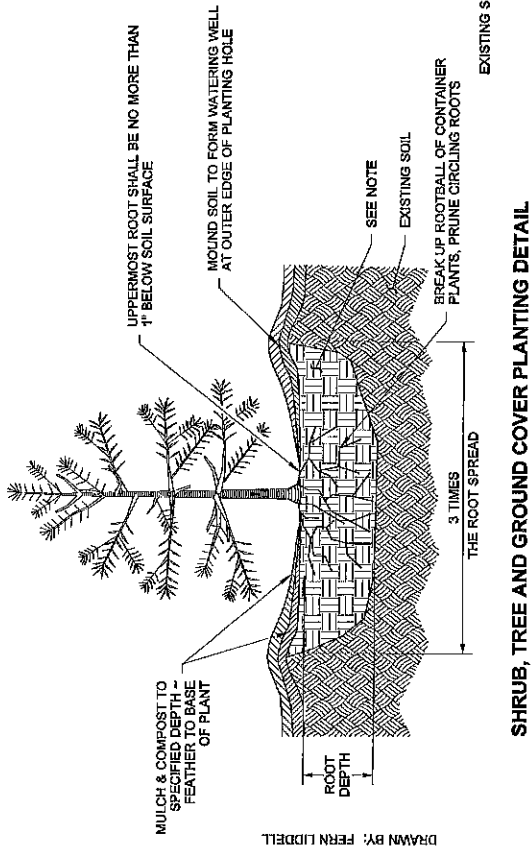
BULB PLANTING DETAIL



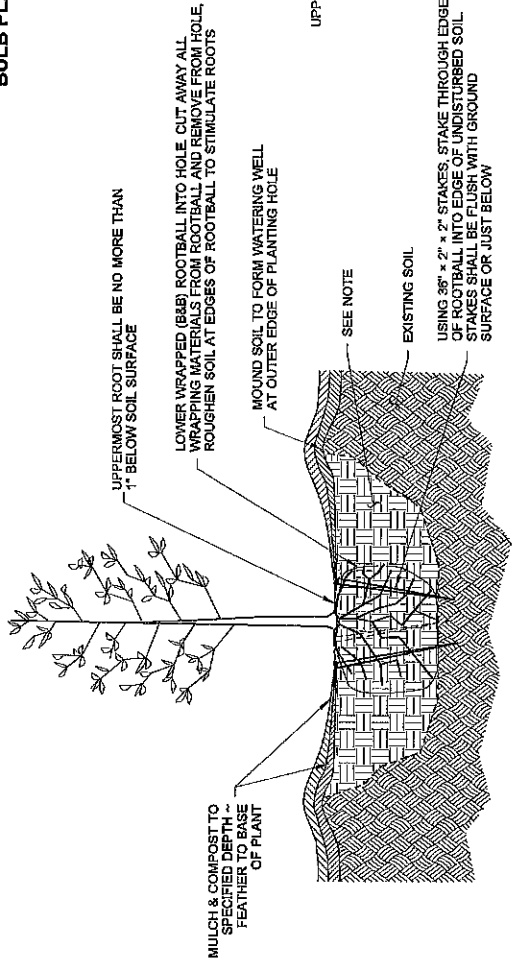
TUBER OR RHIZOME PLANTING DETAIL



EMERGENT PLANTING DETAIL



SHRUB, TREE AND GROUND COVER PLANTING DETAIL



STREET TREE PLANTING AND STAKING DETAIL
 (APPLIES TO CONTAINER, BALL AND BURLAPPED, (B&B) DECIDUOUS AND CONIFERS)

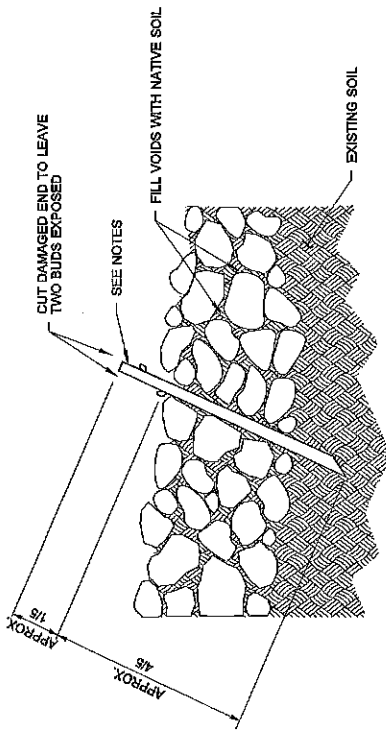


STATE OF
 WASHINGTON
 REGISTERED
 LANDSCAPE ARCHITECT
 SALLY A. ANDERSON
 CERTIFICATE NO. 000872

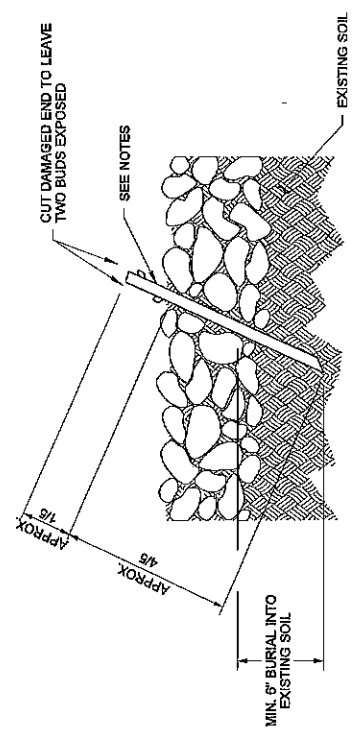
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**TREE AND SHRUB
 PLANTING DETAILS**
STANDARD PLAN H-10.10-00

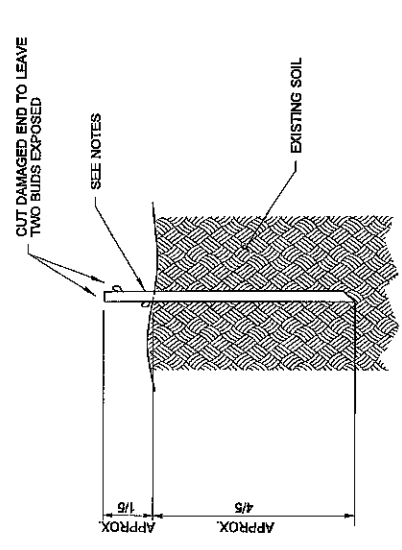
SHEET 1 OF 1 SHEET
 APPROVED FOR PUBLICATION
 Pasco Bakofich III 07-03-08
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation



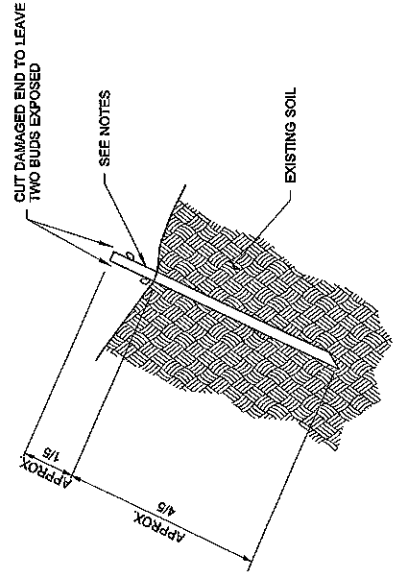
LIVE STAKE INSTALLATION IN RIPRAP



LIVE STAKE INSTALLATION IN QUARRY SPALLS



TYPICAL LIVE STAKE INSTALLATION



LIVE STAKE INSTALLATION ON SLOPES

NOTES

1. See Plant Material List for size and type of live stake.
2. Do not use axe or sledge for driving stakes.
3. In hard ground use an iron bar or star drill to prepare the holes for the stake.
4. Avoid stripping bark on bruising stakes during installation.
5. Fill void around cutting with soil.

DRAWN BY: FERN LIDDELL



STATE OF WASHINGTON
 LANDSCAPE ARCHITECT
 SALLY A. ANDERSON
 CERTIFICATE NO. 000372

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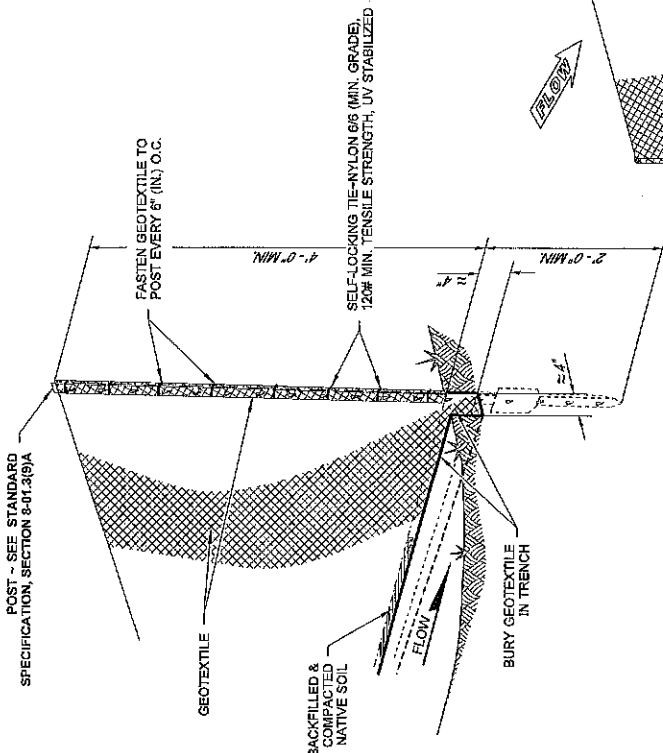
LIVE STAKE INSTALLATIONS

STANDARD PLAN H-10.15-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakofich III 07-03-08
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation

POST ~ SEE STANDARD SPECIFICATION, SECTION 8-01.3(9)A



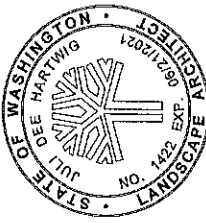
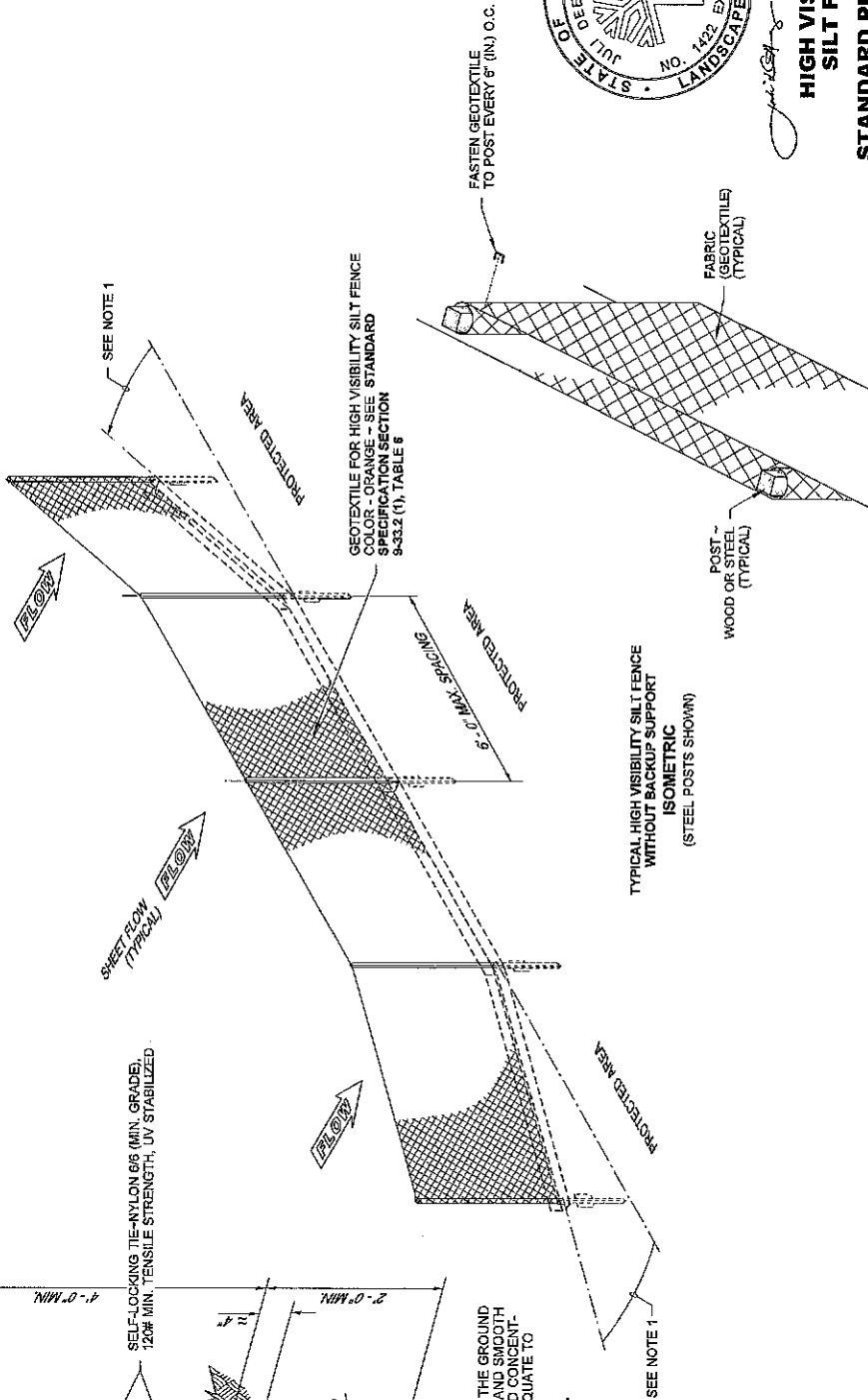
NOTE

DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

TYPICAL INSTALLATION DETAIL
(STEEL POSTS SHOWN)

NOTES

1. Angle Terminal end uphill 24" (in) to 48" (in) to prevent flow around fence (Typical).
2. Perform maintenance in accordance with **Standard Specification, Sections 8-01.3(9)A and 8-01.3(15)**.
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.



Hartwig, Julie
Jun 2, 2019 10:48 AM
cseg

HIGH VISIBILITY SILT FENCE

STANDARD PLAN I-30.17-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Russell, Steve
Jun 12, 2019 7:42 AM

STATE DESIGN ENGINEER

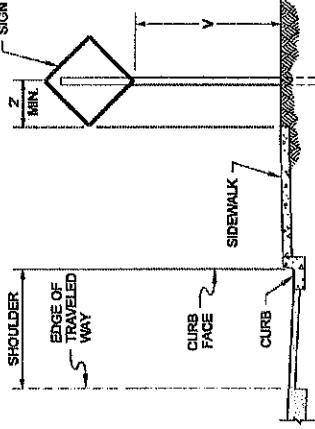
Washington State Department of Transportation

SPliced FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP. JOINING SECTIONS SHALL NOT BE PLACED IN LOW SPOTS OR IN SUMP LOCATIONS.

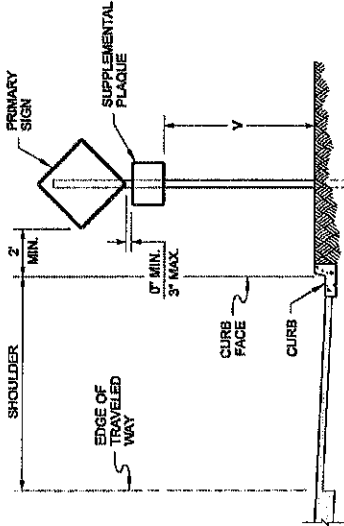
SPlice DETAIL
(WOOD POSTS SHOWN)

NOTES

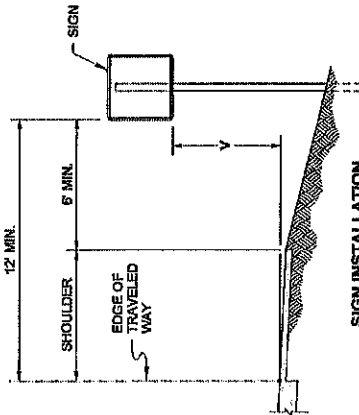
1. For sign installation details, see Standard Plan G - series.
2. Where it is impractical to locate a sign with the lateral offset, a minimum of 2'(ft) offset may be used. A 1'(ft) lateral offset may be used in business, commercial or residential areas.
3. The "V" height for signs, with an area of more than 50 square feet and two or more sign supports, is 7 feet in both rural and urban areas.



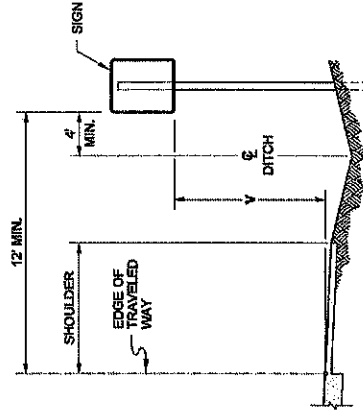
**SIGN INSTALLATION
(SIDEWALK AND CURB SECTION)**



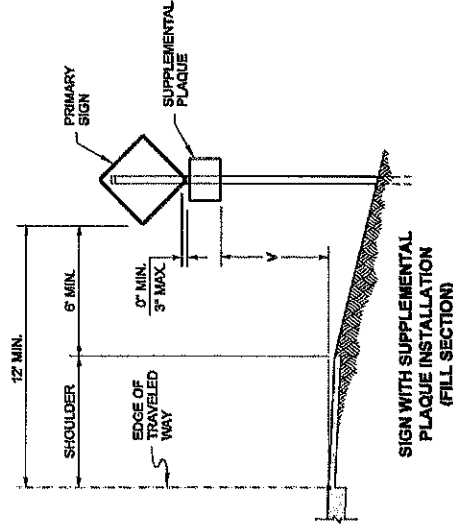
**SIGN INSTALLATION
(CURB SECTION)**



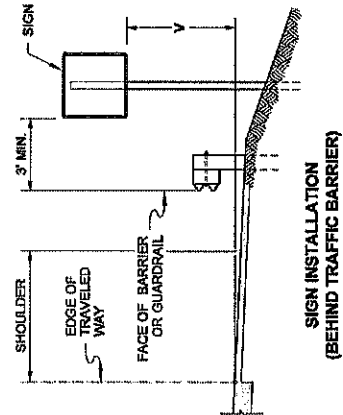
**SIGN INSTALLATION
(FILL SECTION)**



**SIGN INSTALLATION
(DITCH SECTION)**



**SIGN WITH SUPPLEMENTAL
PLAQUE INSTALLATION
(FILL SECTION)**



**SIGN INSTALLATION
(BEHIND TRAFFIC BARRIER)**

HEIGHT V	
TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
RURAL	5' MINIMUM
URBAN	7' MINIMUM
	4' MINIMUM
	6' MINIMUM



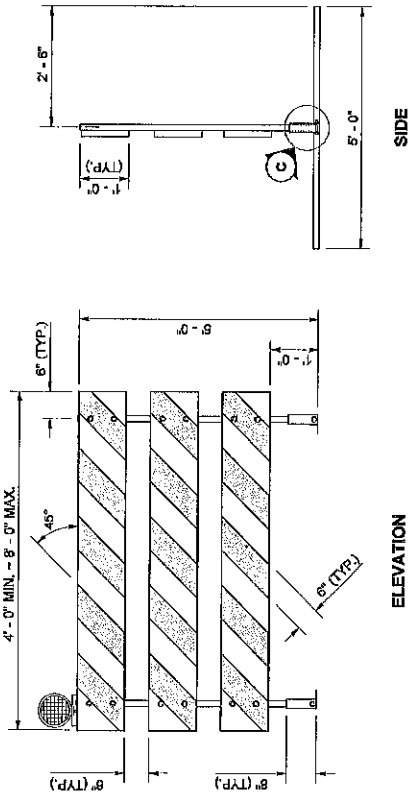
Nisbett, John
 Nisbett, John
 May 16 2016 9:57 AM
 CLASS A
**CONSTRUCTION SIGNING
 INSTALLATION**
STANDARD PLAN K-80.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Carpenter, Jeff
 Carpenter, Jeff
 Jan 12 2016 4:20 PM
 STATE DESIGN ENGINEER
 Washington State Department of Transportation

NOTES

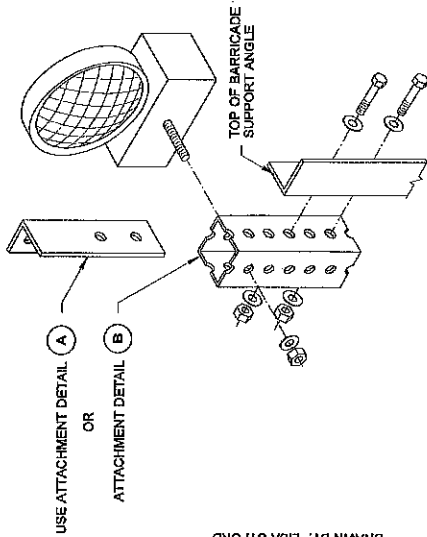
1. All fasteners may be zinc plated, galvanized or stainless steel. All steel angle and tubular steel shall be hot-rolled, high carbon steel, painted or galvanized.
2. Install one lightweight Type A Low-Intensity flashing warning light on the traffic side of the barricade. Install two Type A Low-Intensity flashing warning lights per barricade when the barricades are used to close a roadway. Attach the light to the barricade according to the light manufacturer's recommendations or use the details shown on this plan.
3. Stripes on barricade rails shall be alternating orange and white retroreflective stripes (sloping downward at an angle of 45 degrees in the direction traffic is to pass).
4. The Type 3 barricade design shown on this plan meets the crash test requirements of NCHRP 350. Alternative designs may be approved if they conform to the NCHRP-350 crash test criteria and the MUTCD.
5. When a sign is mounted on the barricade, it shall be securely bolted to at least two plywood panels. The top of the sign shall not be higher than the top panel of the barricade.
6. When sandbags are used in freezing weather, Urea fertilizer shall be mixed with the sand in a quantity to prevent the sand from freezing.



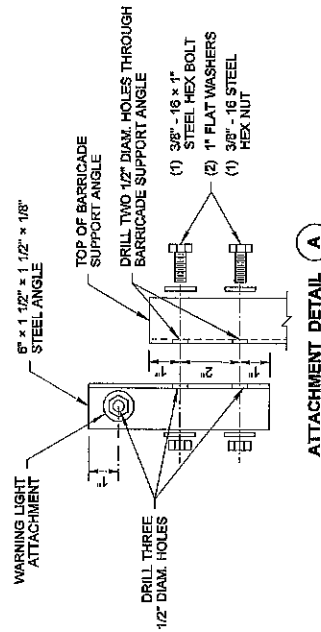
SIDE

TYPE 3 BARRICADE

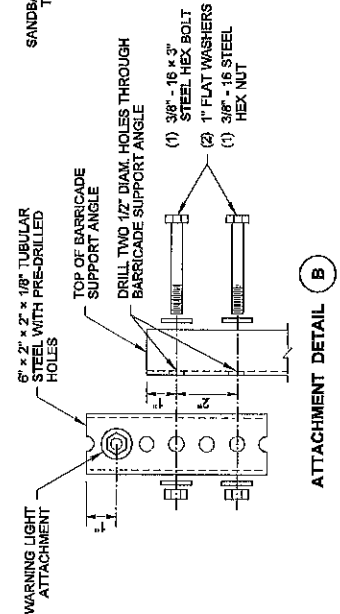
ELEVATION



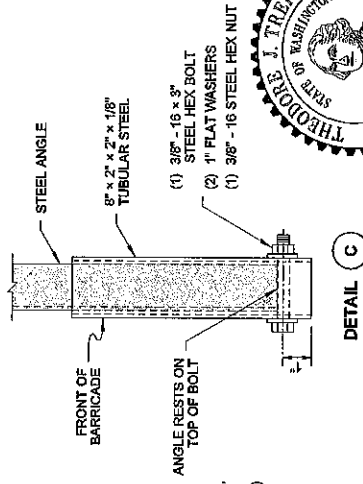
WARNING LIGHT ATTACHMENT DETAIL



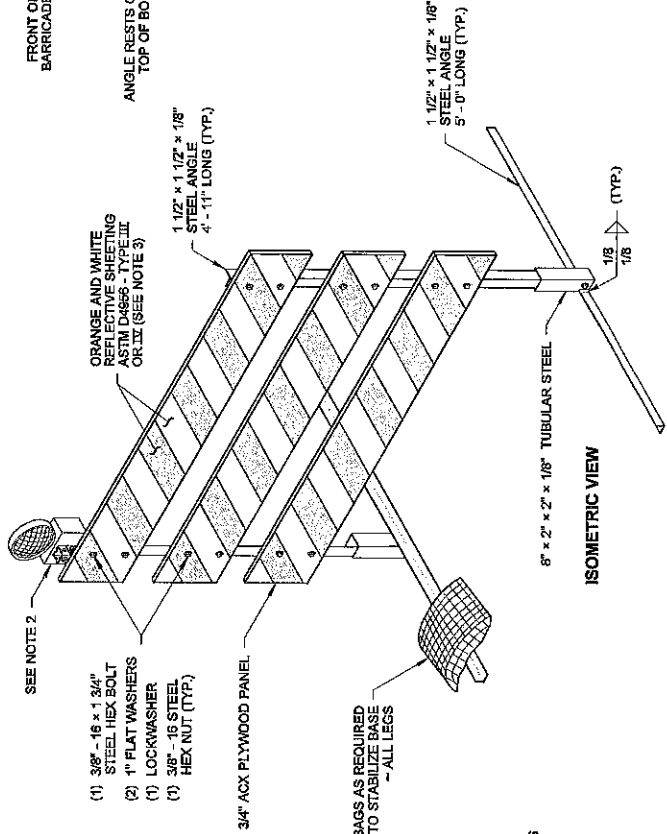
ATTACHMENT DETAIL A



ATTACHMENT DETAIL B



DETAIL C



ISOMETRIC VIEW



TYPE 3 BARRICADE

STANDARD PLAN K-80.20-00

SHEET 1 OF 2 SHEETS

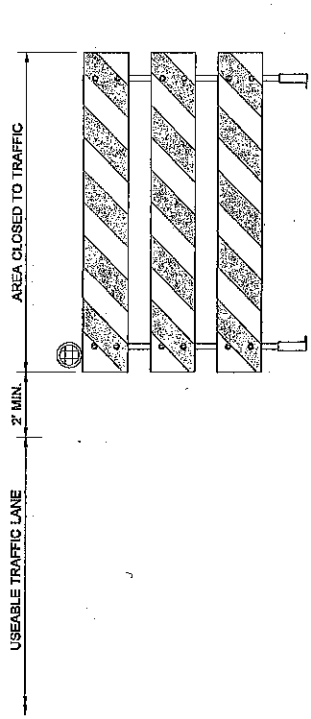
APPROVED FOR PUBLICATION

Kevin J. Dayton

12-20-06

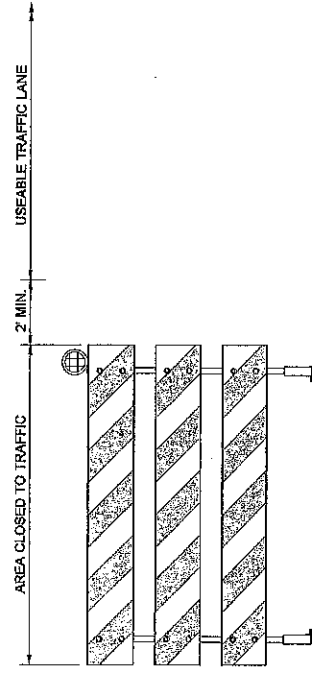
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

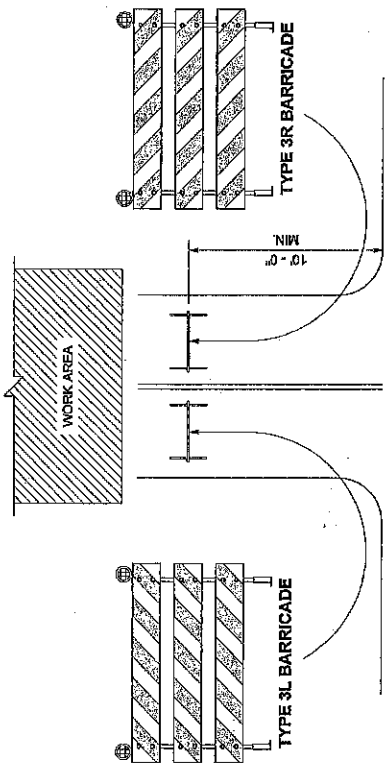


TYPE 3L BARRICADE

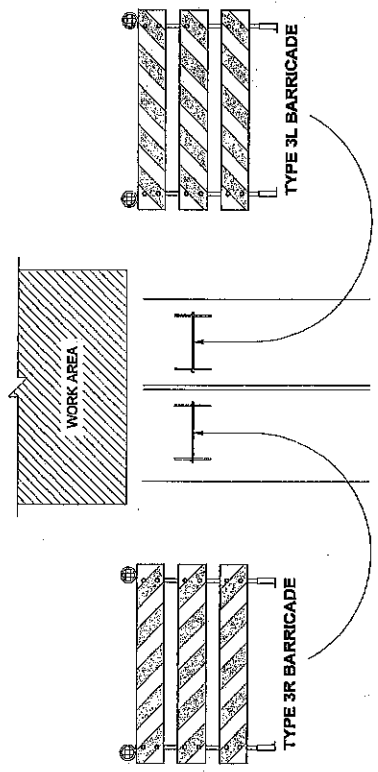
STRIPES ON THE BARRICADES SHALL SLOPE DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS



TYPE 3R BARRICADE



ROAD CLOSURE AT INTERSECTION



ROAD CLOSURE AT OTHER LOCATIONS

BARRICADE PLACEMENT

THEODORE J. TREPANIER
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF WASHINGTON
 EXPIRES AUGUST 31, 2007

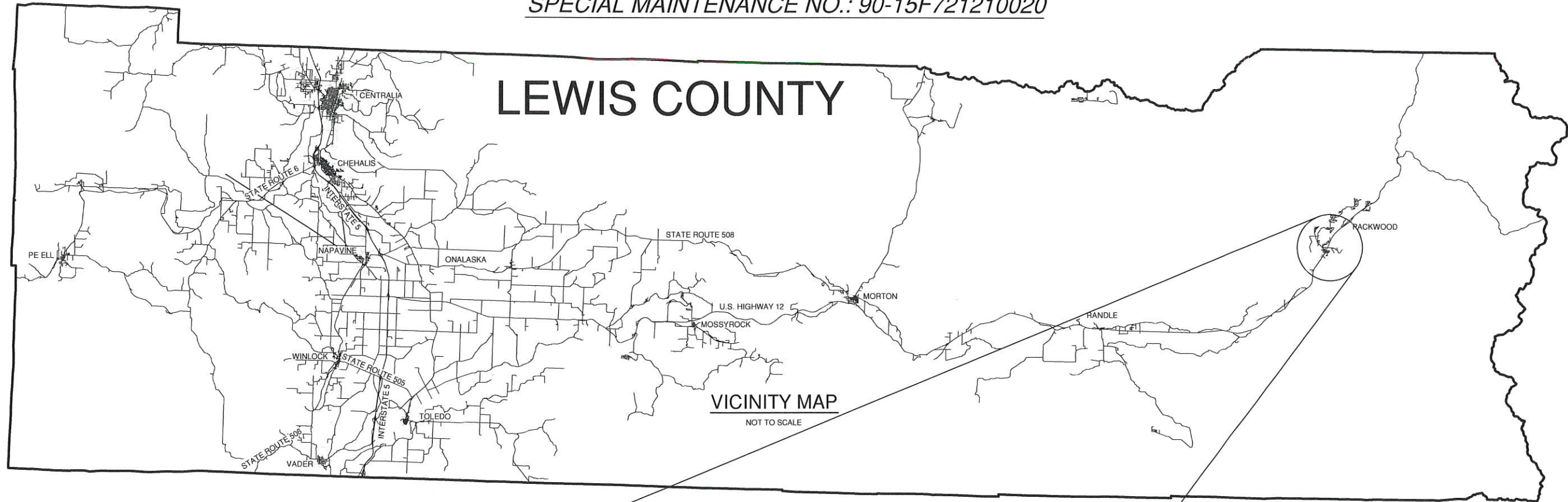
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TYPE 3 BARRICADE
STANDARD PLAN K-80.20-00
 SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION
 Kevin J. Dayton
 STATE DESIGN ENGINEER
 Washington State Department of Transportation
 DATE 12-20-06

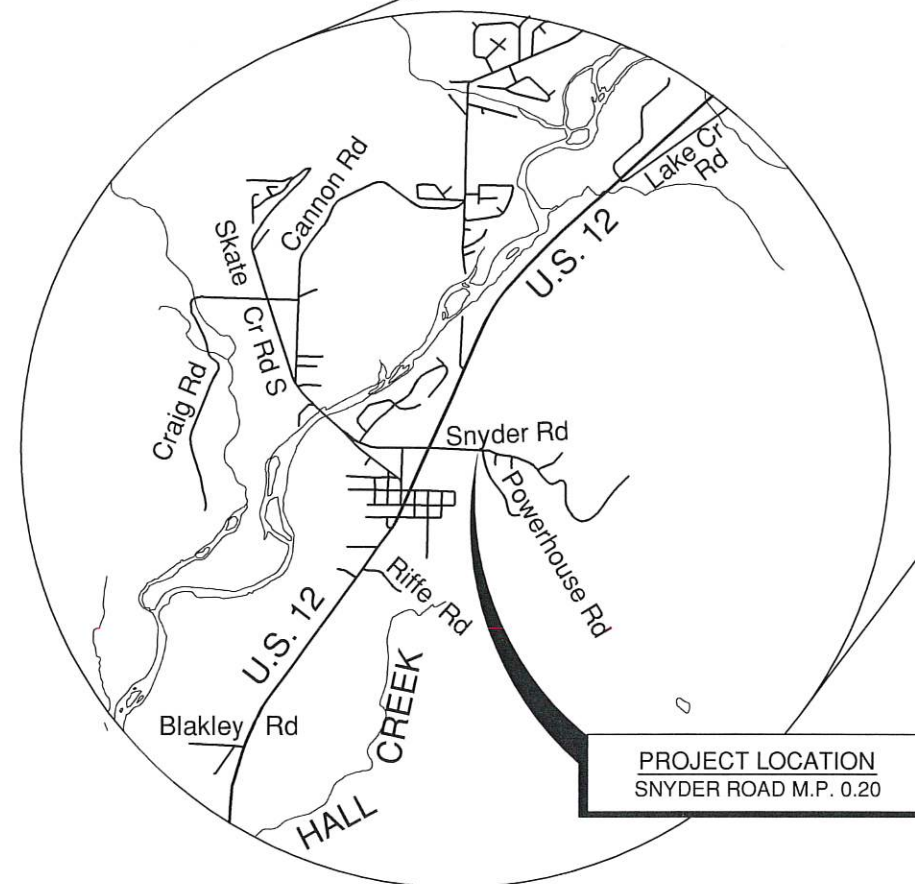
SNYDER ROAD M.P. 0.20 CULVERT REPLACEMENT PROJECT

FEMA PROJECT NO.: PA-10-WA-4253-PW-00112
 SPECIAL MAINTENANCE NO.: 90-15F721210020



LEWIS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 APPROVED FOR CONSTRUCTION:


 County Engineer 3-11-20
 Date



SHEET INDEX

NO.	DESCRIPTION
1	VICINITY MAP AND SHEET INDEX
2	SUMMARY OF QUANTITIES
3	LEGEND
4	T.E.S.C. AND STREAM BYPASS PLAN
5	STRUCTURE / STREAM EXCAVATION PLAN AND PROFILE
6	PRECAST CONCRETE SPLIT BOX CULVERT DETAILS
7	STREAM PLAN AND PROFILE
8	STREAM FILL SECTIONS
9	ROADWAY PLAN AND PROFILE
10	ROADWAY DETAILS
11	TRAFFIC CONTROL PLAN
12	PLANTING PLAN

COMMISSIONERS:

EDNA FUND, DISTRICT 1
 ROBERT C. JACKSON, DISTRICT 2
 GARY STAMPER, DISTRICT 3



ENGINEERING-
 DESIGN SECTION

SEC. 25 TWP. 15N. RGE. 4E. W.M.
SUMMARY OF QUANTITIES

LAND LINES ARE APPROXIMATE

ITEM NUMBER	STD. ITEM NO.	ITEM DESCRIPTION	TOTAL QUANTITY	UNIT
PREPARATION				
1	0001	MOBILIZATION	LUMP SUM	LUMP SUM
2	0025	CLEARING AND GRUBBING	0.2	ACRE
3	0050	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	LUMP SUM
GRADING				
4	S.P.	STRUCTURE EXCAVATION CLASS A INCL. HAUL	1245	C.Y.
5	S.P.	TEMPORARY BYPASS ROAD	LUMP SUM	LUMP SUM
6	0408	SELECT BORROW INCL. HAUL	511	TON
7	1086	QUARRY SPALLS	102	TON
DRAINAGE				
8	S.P.	STREAMBED MIX	491	TON
9	S.P.	TEMPORARY STREAM BYPASS	LUMP SUM	LUMP SUM
10	S.P.	PRECAST REINF.CONC. SPLIT BOX CULVERT	LUMP SUM	LUMP SUM
SURFACING				
11	5100	CRUSHED SURFACING BASE COURSE	266	TON
12	5120	CRUSHED SURFACING TOP COURSE	63	TON
13	S.P.	SHOULDER FINISHING	5	TON
HOT MIX ASPHALT				
14	S.P.	HMA CLASS 3/8 IN. PG 58H-22 FIBER REINFORCED	70	TON
EROSION CONTROL AND ROADSIDE PLANTING				
15	6490	EROSION/WATER POLLUTION CONTROL	ESTIMATE	DOLLAR
16	6422	SEEDING AND MULCHING	0.15	ACRE
17	6635	HIGH VISIBILITY SILT FENCE	476	L.F.
18	S.P.	PLANTING MITIGATION CONSTRUCTION	LUMP SUM	LUMP SUM
TRAFFIC				
19	6719	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	4	EACH
20	6711	BEAM GUARDRAIL TYPE 31	119	L.F.
21	6971	PROJECT TEMPORARY TRAFFIC CONTROL	LUMP SUM	LUMP SUM
22	6982	CONSTRUCTION SIGNS CLASS A	191	S.F.
OTHER ITEMS				
23	7490	TRIMMING AND CLEANUP	LUMP SUM	LUMP SUM
24	7552	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION	500	S.Y.
25	7725	REIMBURSEMENT FOR THIRD PARTY DAMAGE	ESTIMATE	DOLLAR
26	7736	SPILL PREVENTION CONTROL AND COUNTERMEASURES PLAN	LUMP SUM	LUMP SUM



2025 NE KRESKY AVE.
 CHEHALIS WA 98532
 PHONE # (360) 740-1123
 FAX # (360) 740-2719

DESIGNED BY : RTL
 DRAWN BY : WSR
 CHECKED BY :
 DATE : 03/11/2020

NO.	DATE	REVISION	BY	APP.

**SNYDER ROAD MP 0.20
 CULVERT REPLACEMENT PROJECT**

FEMA PROJ. NO.: 4253-PW-00112
 SPECIAL MAINT NO: 90-15F721210020

SUMMARY OF QUANTITIES

SHEET
2
 OF
12














Rodney Troy Lakey, P.E.
 Senior Engineer
 Design/ENV.

Date: 11-Mar-2020

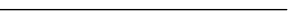



LEGEND


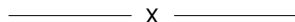


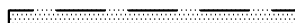







EXISTING FEATURES

-  CONIFER TREE
-  DECIDUOUS TREE
-  EDGE OF ROAD
-  SHOULDER
-  DITCH
-  HALL CREEK
-  EXISTING CULVERT
-  ORDINARY HIGH WATER
-  UNDERGROUND TELEPHONE LINE
-  EXISTING ROAD SURFACE
-  WETLAND

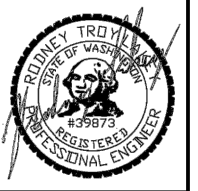
SURVEY SYMBOLS

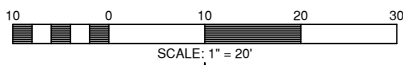
-  SECTION LINE
-  R/W RIGHT OF WAY

NEW CONSTRUCTION

-  CENTERLINE
-  SILT FENCE
-  HMA/BST
-  CLEARING & GRUBBING LIMITS
-  GUARDRAIL LANDING / SHOULDER ROCK
-  CUT LIMIT
-  FILL LIMIT
-  DITCH
-  STREAMBED MIX
-  TEMPORARY DETOUR ROAD
-  APE AREA OF POTENTIAL EFFECT
-  CONSTRUCTION EASEMENT

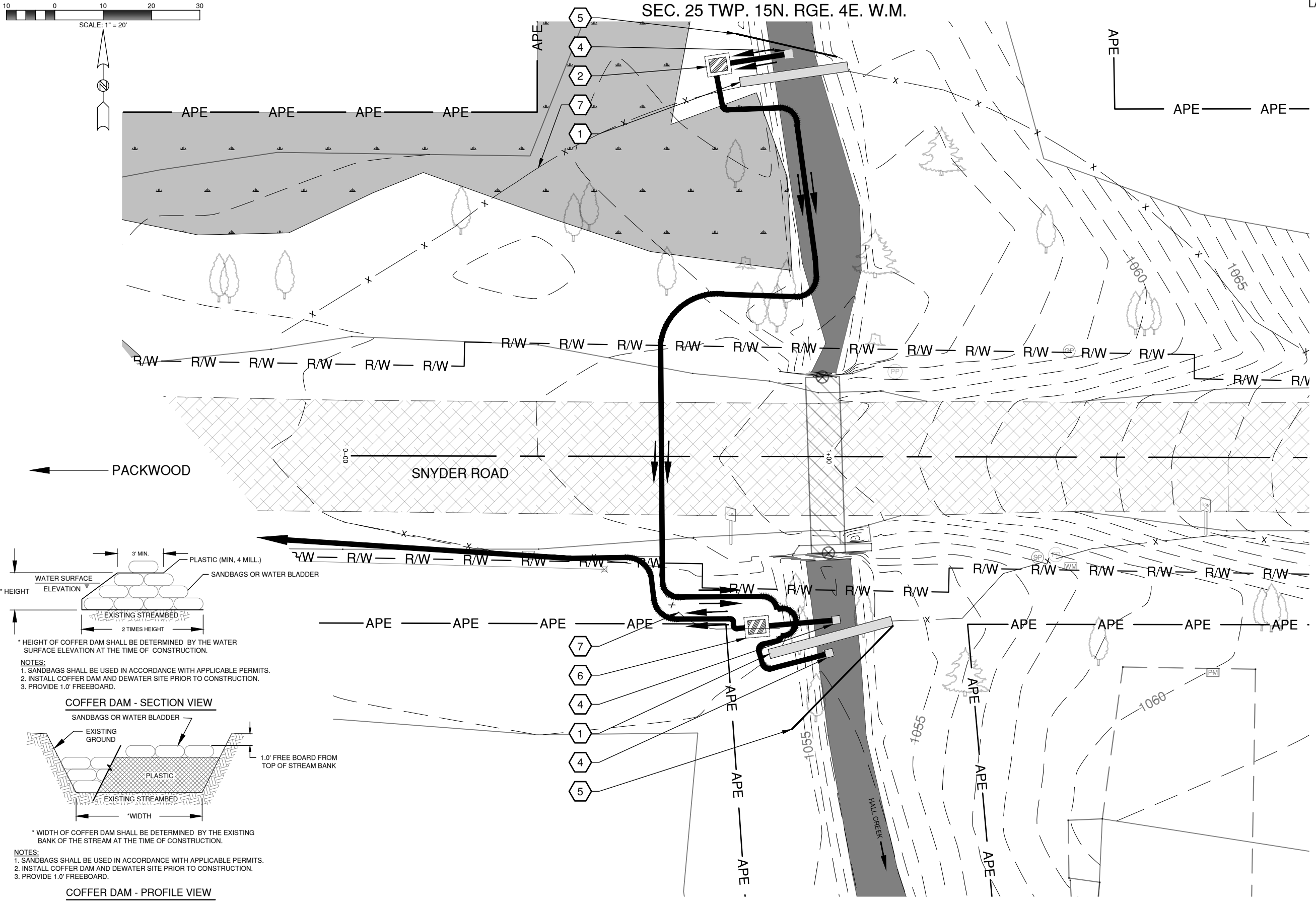
NO.	DATE	REVISION	BY	APP.





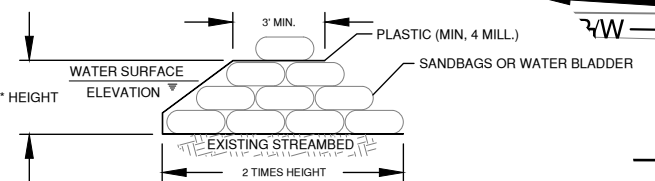
LAND LINES ARE APPROXIMATE

SEC. 25 TWP. 15N. RGE. 4E. W.M.



CONSTRUCTION NOTES:

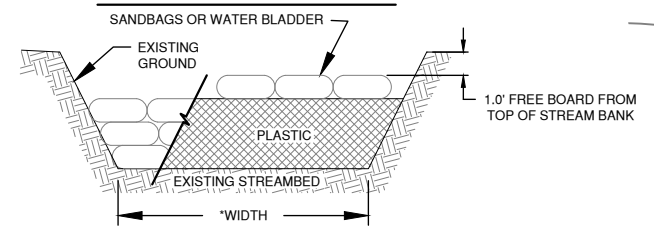
- 1. INSTALL COFFERDAM PER DETAILS ON THIS SHEET AS STAKED IN THE FIELD BY THE ENGINEER.
- 2. INSTALL SPILL CONTAINED PUMP SYSTEM FOR STREAM BYPASS.
- 3. INSTALL SILT FENCE AROUND STAGING AREA AS DIRECTED BY THE ENGINEER (NOT DEPICTED).
- 4. PUMP INTAKE SCREEN OVER ALL INTAKE AND OUTLET HOSES PER WDFW REQUIREMENTS.
- 5. FISH DIVERSION SCREEN (~60 DEGREES TO STREAM FLOW) UPSTREAM OF BYPASS INTAKE AND DOWNSTREAM OF BYPASS OUTLET PER HPA PROVISIONS.
- 6. INSTALL SPILL CONTAINED PUMP SYSTEM FOR DEWATERING. PUMP WORK WATER ALONG SW DITCH APPROXIMATELY 200' TO DRAIN AWAY FROM PROJECT THROUGH GRASS LINED DITCH, WITH STRAW WATTLES PLACED EVERY 25'.
- 7. HIGH VISIBILITY SILT FENCE.



* HEIGHT OF COFFER DAM SHALL BE DETERMINED BY THE WATER SURFACE ELEVATION AT THE TIME OF CONSTRUCTION.

- NOTES:
- 1. SANDBAGS SHALL BE USED IN ACCORDANCE WITH APPLICABLE PERMITS.
 - 2. INSTALL COFFER DAM AND DEWATER SITE PRIOR TO CONSTRUCTION.
 - 3. PROVIDE 1.0' FREEBOARD.

COFFER DAM - SECTION VIEW



* WIDTH OF COFFER DAM SHALL BE DETERMINED BY THE EXISTING BANK OF THE STREAM AT THE TIME OF CONSTRUCTION.

- NOTES:
- 1. SANDBAGS SHALL BE USED IN ACCORDANCE WITH APPLICABLE PERMITS.
 - 2. INSTALL COFFER DAM AND DEWATER SITE PRIOR TO CONSTRUCTION.
 - 3. PROVIDE 1.0' FREEBOARD.

COFFER DAM - PROFILE VIEW

NO.	DATE	REVISION	BY	APP.

**SNYDER ROAD MP 0.20
CULVERT REPLACEMENT PROJECT**

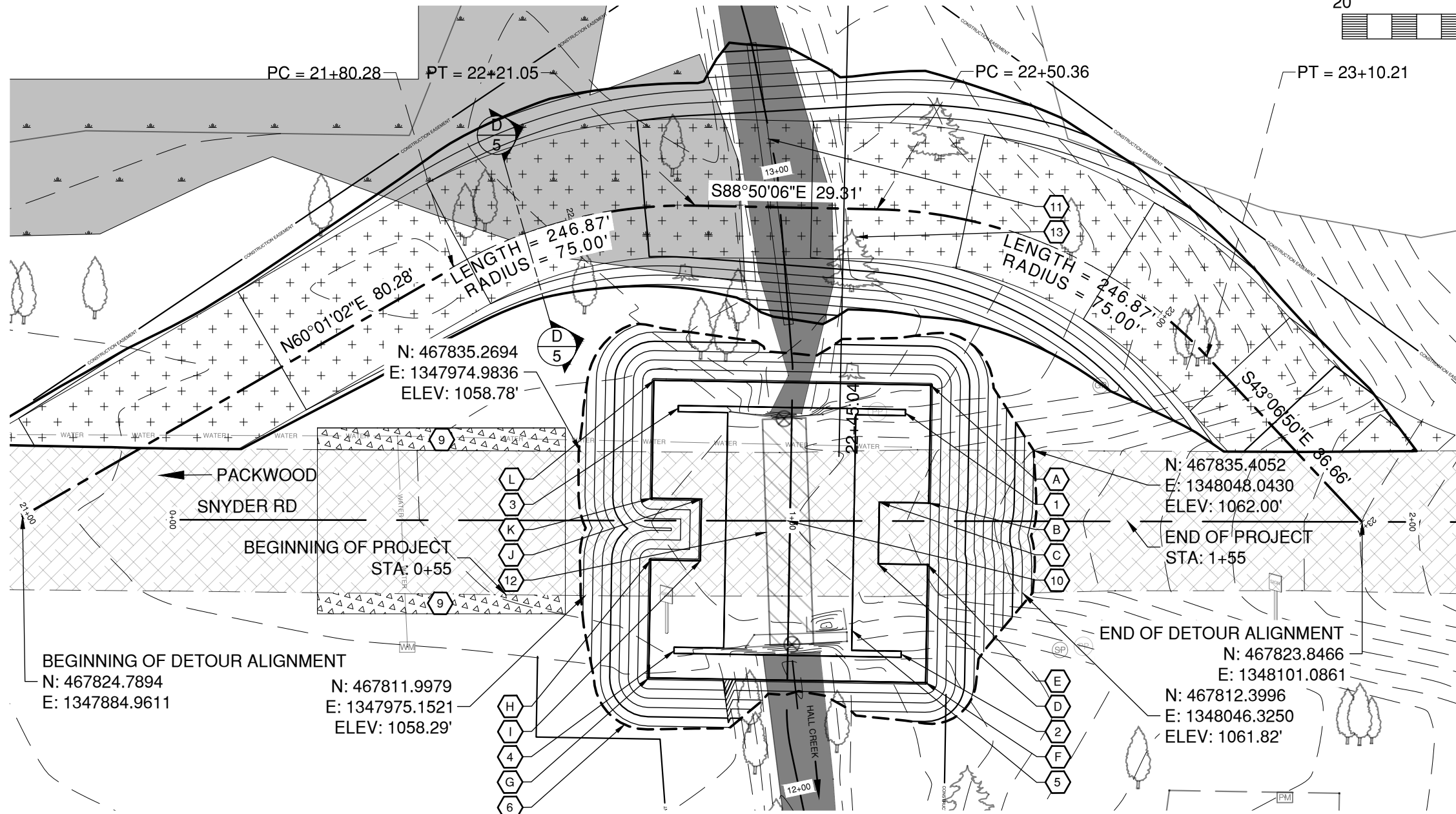
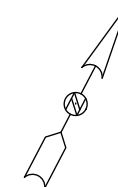
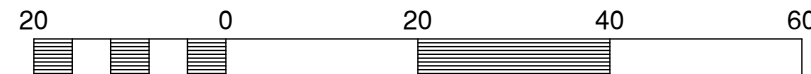
FEMA PROJ. NO.: 4253-PW-00112
SPECIAL MAINT NO: 90-15F721210020
T.E.S.C. AND STREAM BYPASS PLAN

SHEET
4 OF
12



Rodney Troy Lakey, P.E.
Senior Engineer
Design/ENV.
Date: 11-Mar-2020



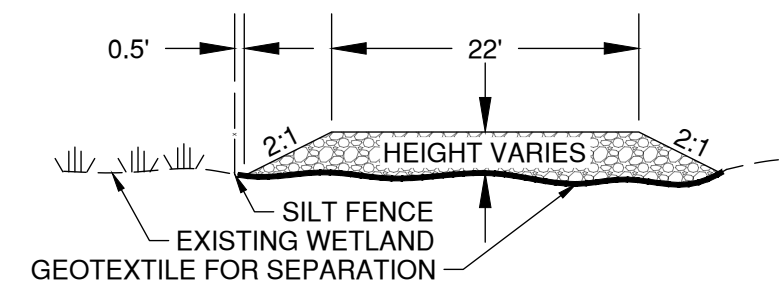
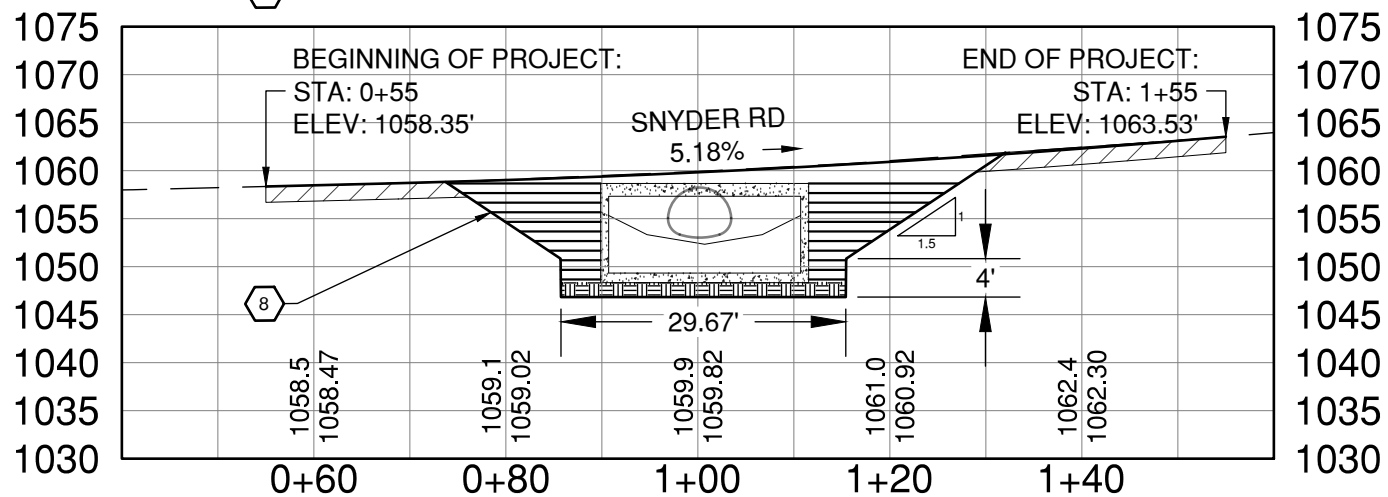


CONSTRUCTION NOTES:

- 1 INSTALL WINGWALL #1 PER DETAILS ON SHEETS 6 AND 7.
- 2 INSTALL WINGWALL #2 PER DETAILS ON SHEETS 6 AND 7.
- 3 INSTALL WINGWALL #3 PER DETAILS ON SHEETS 6 AND 7.
- 4 INSTALL WINGWALL #4 PER DETAILS ON SHEETS 6 AND 7.
- 5 STREAM STA 12+16.62 TO 12+60.62. INSTALL PRECAST REINF. CONC. SPLIT BOX CULVERT PER DETAILS ON SHEET 6.
- 6 STRUCTURE EXCAVATION PER DETAIL THIS SHEET.
- 7 STREAM EXCAVATION PER DETAIL ON SHEET 8.
- 8 CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION (WOVEN) AT 1-FT LIFT MAX. TO TOP OF CULVERT.
- 9 30' W x 40' L CRANE PAD ON EXISTING ROAD SURFACE.
- 10 STA 12+42.36 CULVERT ϵ CROSSES ROAD ϵ AT STA 1+00.57 (CULVERT PERPENDICULAR TO ROAD ϵ).
- 11 \varnothing 24" x 45' CMP CULVERT WITH DETOUR ROAD PER DETAIL ON SHEET 8.
- 12 EXISTING CULVERT TO BE REMOVED.
- 13 PROTECT EXISTING CONIFER TREE. LIMBS TO BE REMOVED TO 16' ABOVE DETOUR ROAD ELEVATION ON TRAFFIC SIDE.

Culvert Excavation Points

Point	Northing	Easting	Elevation
A	467845.9561	1348031.4835	1046.83
B	467826.9590	1348031.1519	1046.83
C	467827.0984	1348023.1694	1046.83
D	467817.1005	1348022.9949	1046.83
E	467816.9612	1348030.9779	1046.83
F	467797.9641	1348030.6462	1046.83
G	467798.7438	1347985.9864	1046.83
H	467817.7409	1347986.3181	1046.83
I	467817.6009	1347994.3324	1046.83
J	467827.5988	1347994.5070	1046.83
K	467827.7388	1347986.4920	1046.83
L	467846.7359	1347986.8237	1046.83

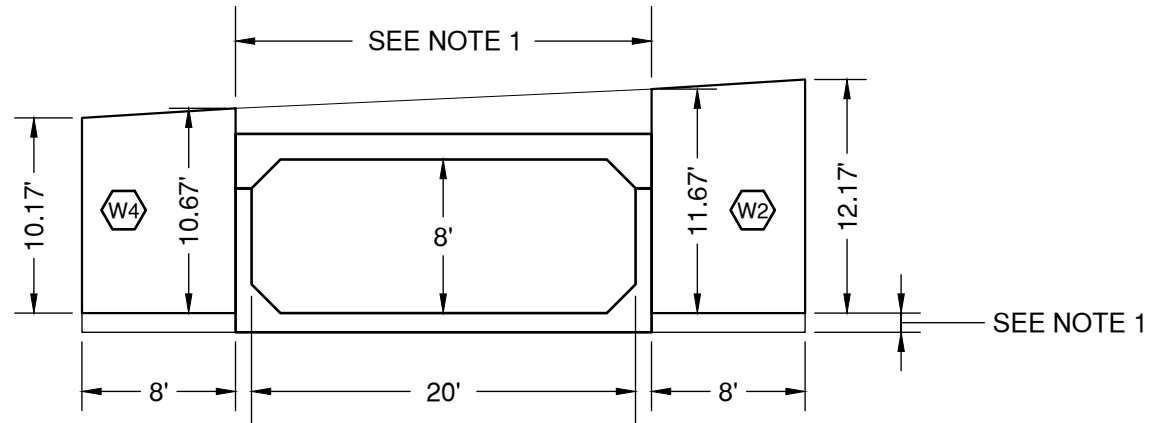
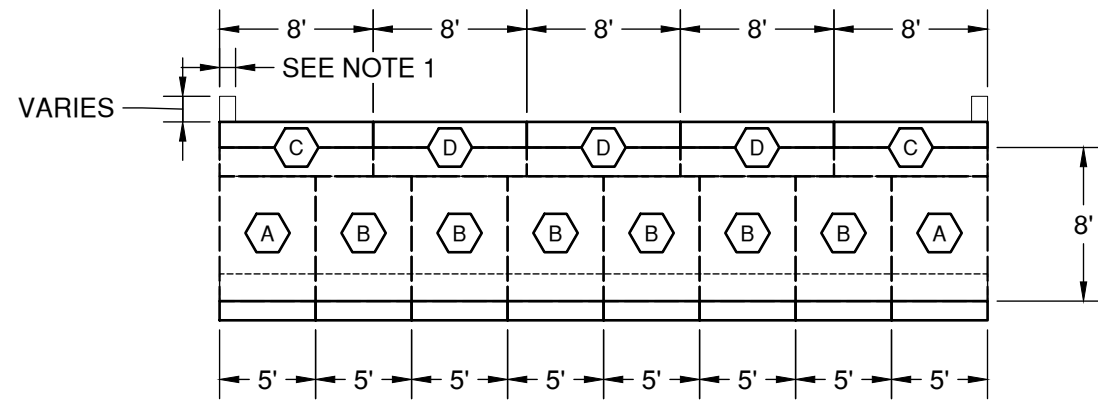


SECTION D-D (TYP. TEMP. BYPASS ROAD)

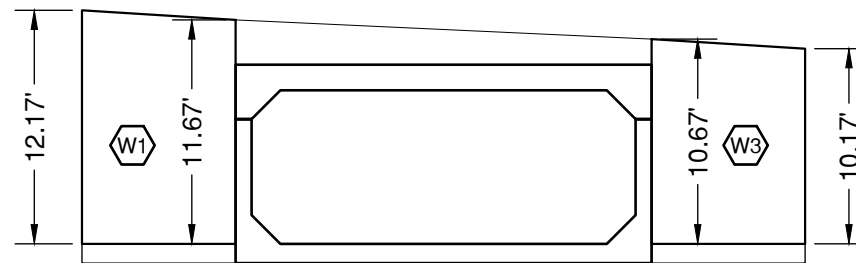
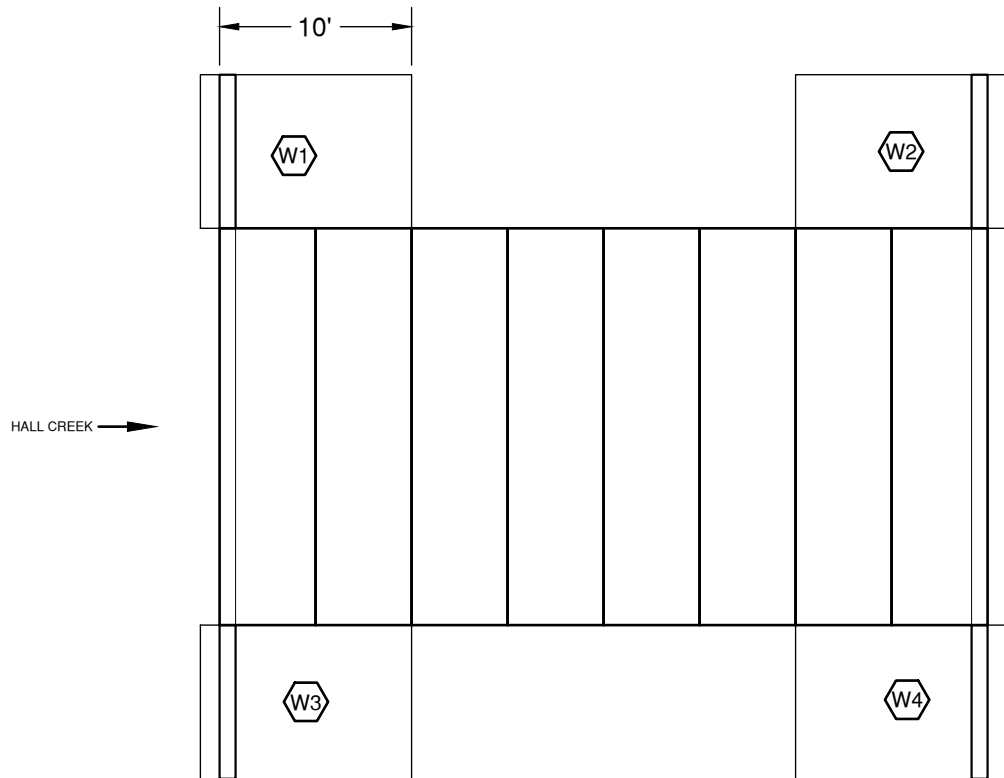
1" = 10'

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WINGWALL DIMENSIONS		
WINGWALL NUMBER	HEIGHT AT BOX CULVERT	HEIGHT AT FREE EDGE
W1	12.17'	11.67'
W2	11.67'	12.17'
W3	10.67'	10.17'
W4	10.17'	10.67'

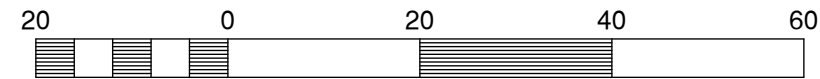


CONSTRUCTION NOTES:

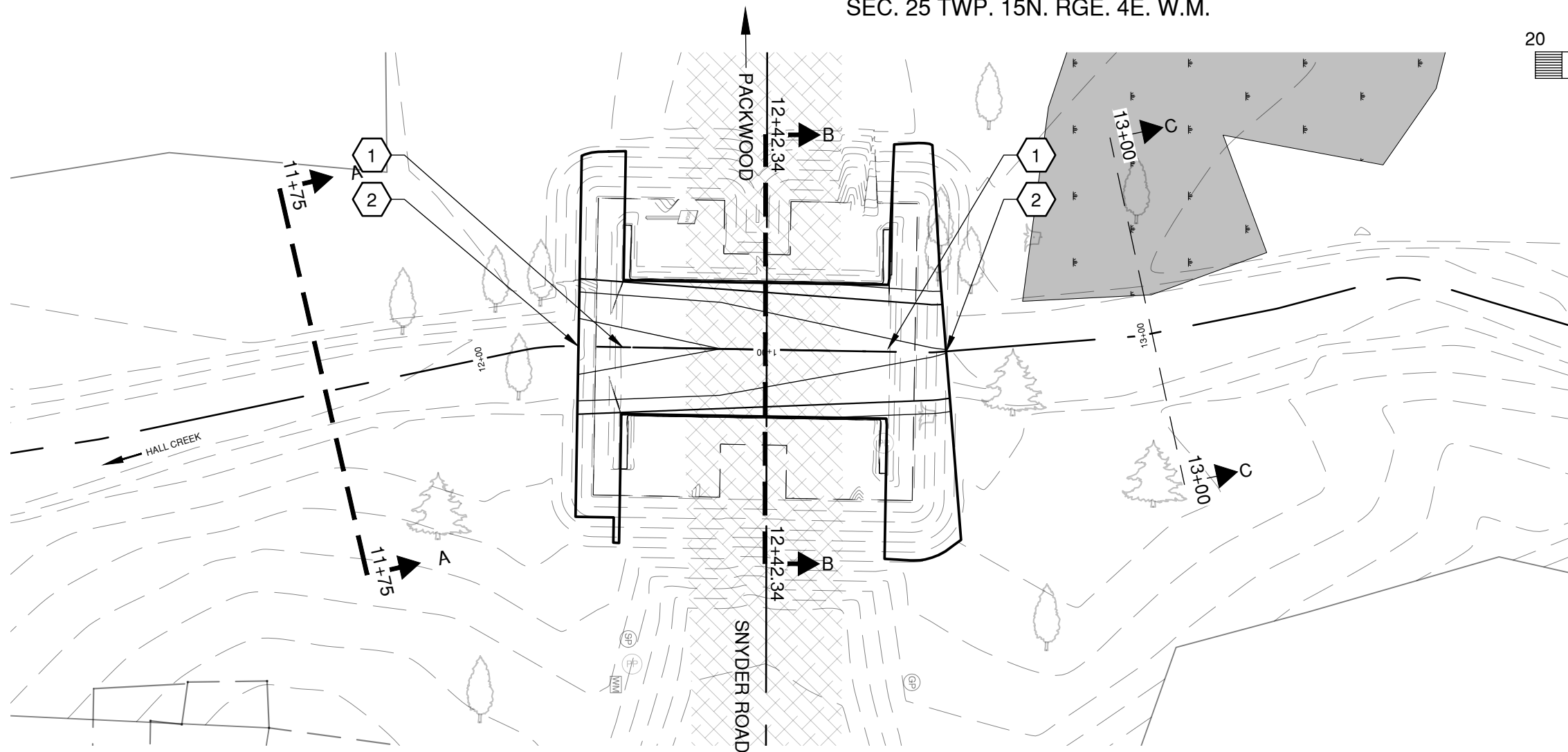
- FOR CONNECTION DETAILS AND OTHER DIMENSIONS, SEE SHOP DRAWINGS (PENDING FROM MANUFACTURER).
- BOX UNITS LAID SEQUENTIALLY FORM A JOINT WHICH REQUIRES GROUT TO PREVENT SOIL INFILTRATION. SOLID GROUT ALL JOINTS WITH NON-SHRINK GROUT.
- THE LEGS OF THE 3-SIDED SECTIONS KEY INTO EACH OTHER. THE KEY IS CLEANED OF ALL DEBRIS. SHIM PLATES ARE USED IN THE KEYWAY TO COLLIMATE SECTIONS.
- ALL JOINTS ARE TROWELED SMOOTH AND SOLID FOR APPLICATION OF A WIDE NON-CURING EXTRUDED BUTYL ADHESIVE TAPE. USE A NON-SHRINK GROUT CONFORMING TO ASTM C1107 AND BUTYL TAPE CONFORMING TO ASTM C877.
- BACKFILL SHALL CONSIST OF SELECT BORROW COMPACTED TO 95% MAXIMUM DRY DENSITY.
- BACKFILL BEHIND WINGWALLS AND HEADWALLS SHALL HAVE 0.5' OF FREEBOARD BELOW THE TOP OF CONCRETE.

SEC. 25 TWP. 15N. RGE. 4E. W.M.

LAND LINES ARE APPROXIMATE

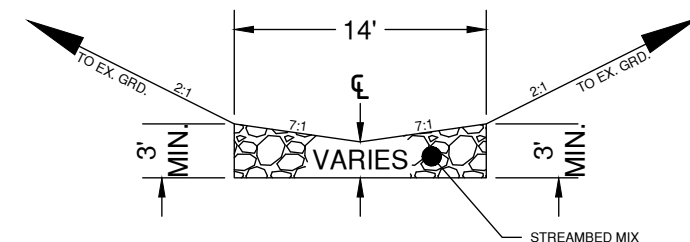


SCALE: 1" = 20'

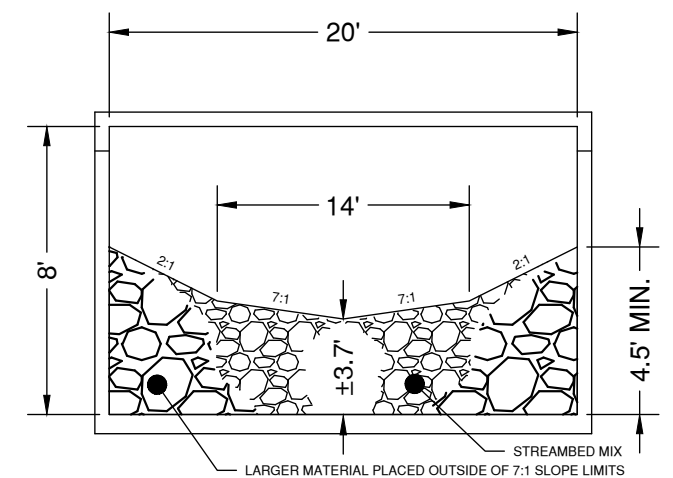


- CONSTRUCTION NOTES:**
- 1 STREAM STA 12+18 TO 12+58, INSTALL PRECAST CONCRETE CULVERT PER DETAILS ON THIS SHEET AND SHEETS 6 AND 7.
 - 2 STREAM STA 12+14 TO 12+69.36, BEGIN/END STREAM EXCAVATION PER DETAIL BELOW. STREAMBED MIX TO CONTAIN 2' W x 0.5' T MEANDERING LOW FLOW NOTCH (NOT DEPICTED).
 - 3 REESTABLISH EXISTING DITCH AROUND WINGWALLS (NOT DEPICTED)

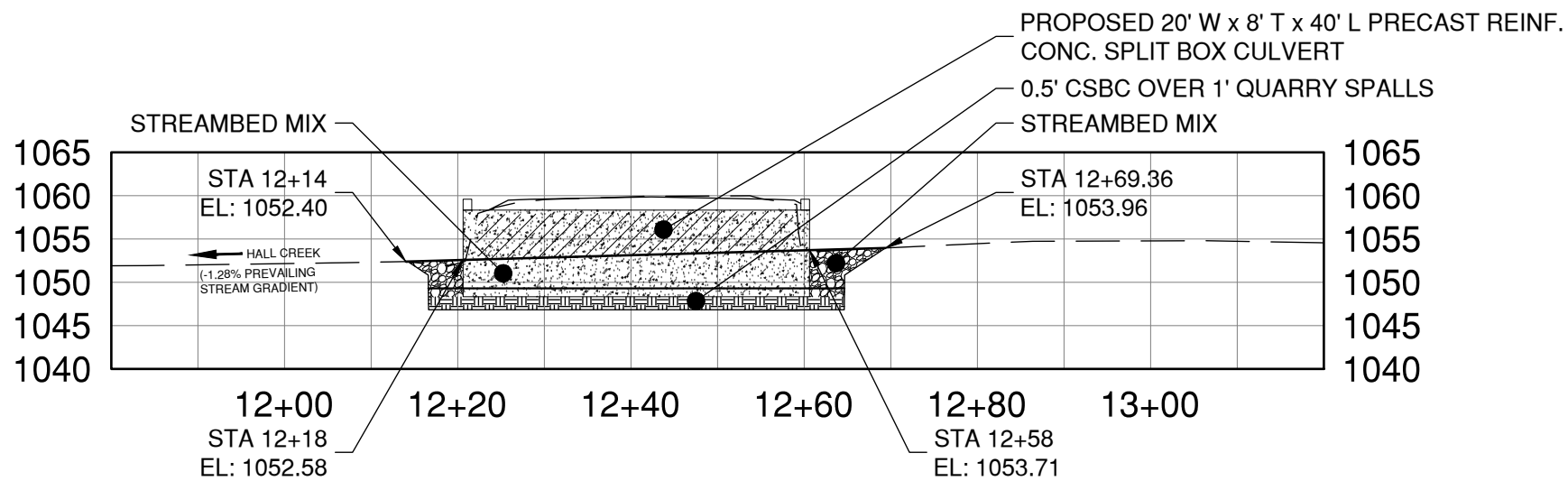
STREAMBED MIX (WSDOT STANDARD SPECIFICATION)
 1 PART ONE-MAN BOULDERS
 2 PARTS 6-INCH STREAMBED COBBLES
 2 PARTS STREAMBED SEDIMENT
 STREAMBED SEDIMENT WASHED INTO VOIDS AFTER INITIAL STREAMBED INSTALLATION.



TYPICAL STREAM OUTSIDE CULVERT
NOT TO SCALE



TYPICAL STREAM INSIDE CULVERT
NOT TO SCALE



Lewis County
 Department of Public Works
 2025 NE KRESKY AVE.
 CHEHALIS WA 98532
 PHONE # (360) 740-1123
 FAX # (360) 740-2719

NO.	DATE	REVISION	BY	APP.

**SNYDER ROAD MP 0.20
 CULVERT REPLACEMENT PROJECT**

FEMA PROJ. NO.: 4253-PW-00112
 SPECIAL MAINT NO: 90-15F721210020
 STREAM PLAN AND PROFILE

SHEET
 7 OF 12

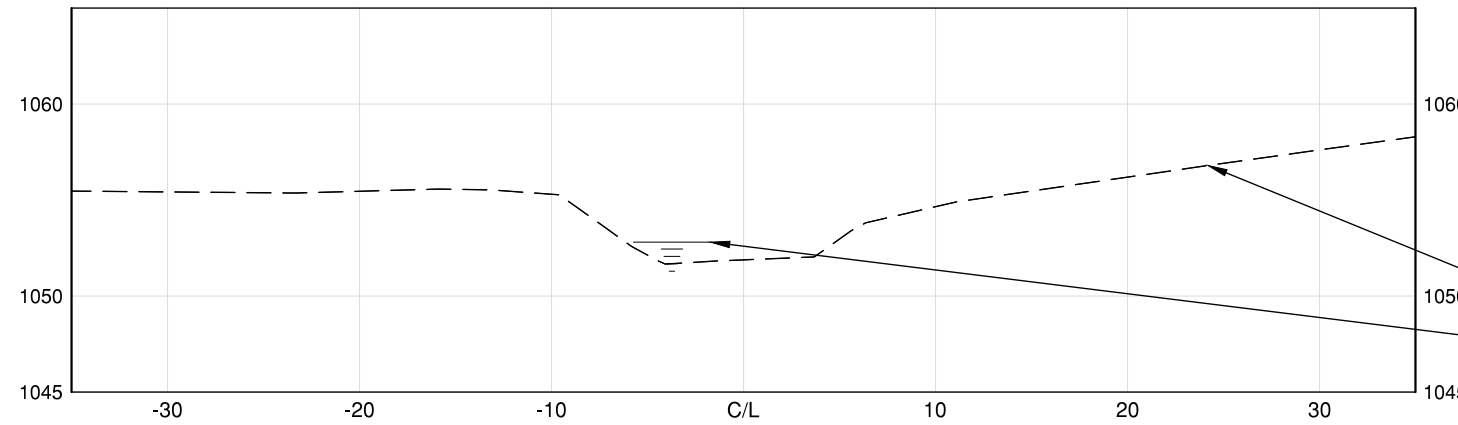
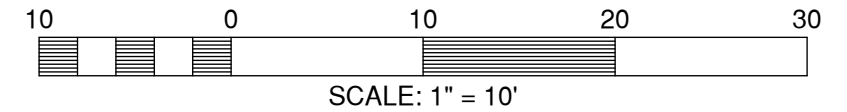
CALL 48 HOURS BEFORE YOU DIG
 1-800-424-5555
 "It's the Law"
 Utilities Underground Location Center

Rodney Troy Lakey, P.E.
 Senior Engineer
 Design/ENV.
 Date: 11-Mar-2020



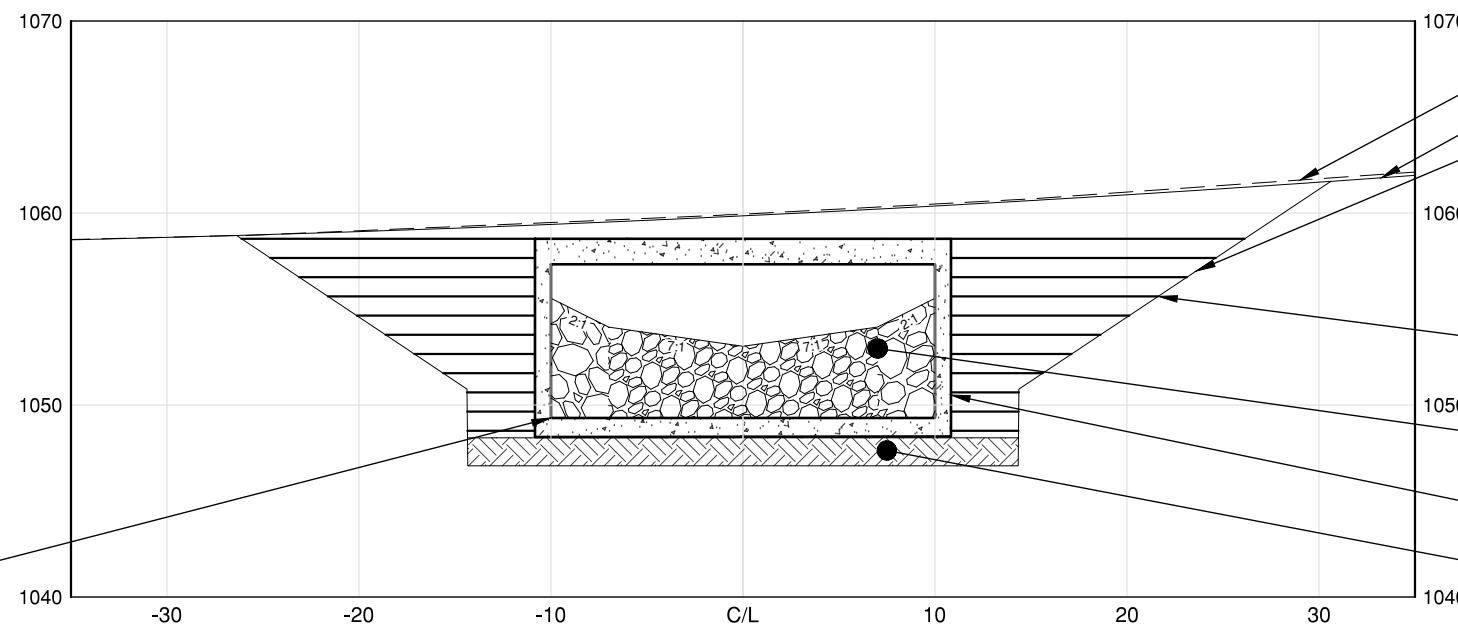
SEC. 25 TWP. 15N. RGE. 4E. W.M.

LAND LINES ARE APPROXIMATE



SECTION A-A (STA 11+75)

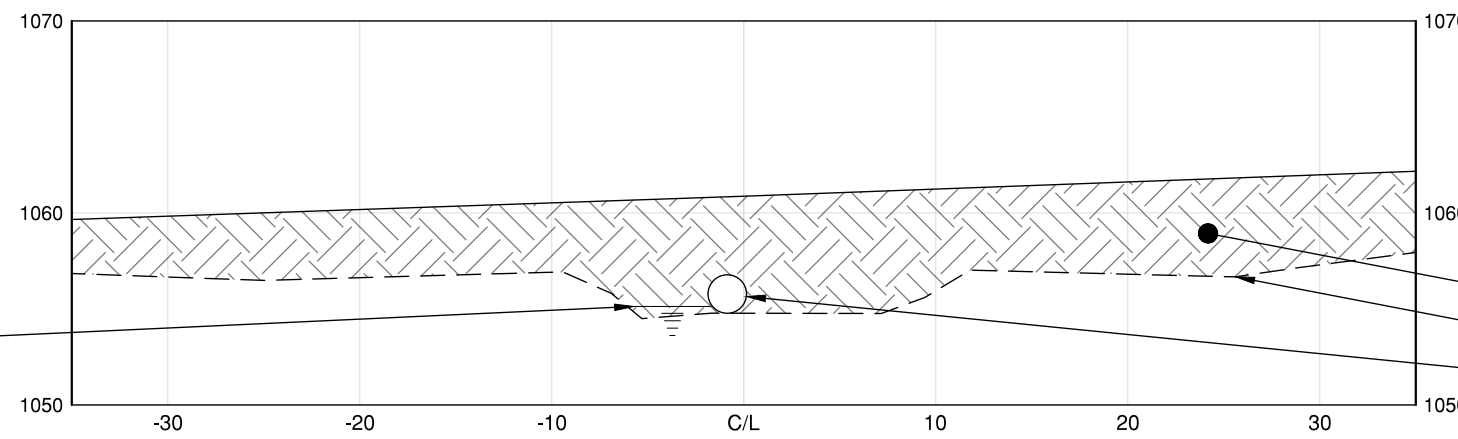
EXISTING GROUND
EXISTING OHWM @ 1052.81'



SECTION B-B (STA 12+42.34)

EXISTING GROUND
ROAD SURFACE
STRUCTURE EXCAVATION CLASS A INCL. HAUL
CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION (WOVEN) AT 1-FT LIFT MAX. TO TOP OF CULVERT
STREAMBED MIX PER DETAIL SHEET 7 (LARGER MATERIAL TO BE PLACED OUTSIDE 7:1 SLOPE)
20' W x 8' T x 40' L PRECAST REINF. CONC. SPLIT BOX CULVERT
0.5' CSBC OVER 1.0' QUARRY SPALLS

CULVERT INVERT @ 1049.33'



SECTION C-C (STA 13+00)

TEMPORARY BYPASS ROAD
EXISTING GROUND
Ø24" CMP CULVERT WITH DETOUR ROAD

EXISTING OHWM @ 1055.13'



2025 NE KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

DESIGNED BY : RTL
DRAWN BY : WSR
CHECKED BY :
DATE : 03/11/2020

NO.	DATE	REVISION	BY	APP.

SNYDER ROAD MP 0.20
CULVERT REPLACEMENT PROJECT

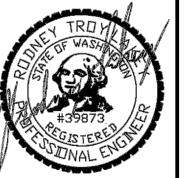
FEMA PROJ. NO.: 4253-PW-00112
SPECIAL MAINT NO: 90-15F721210020

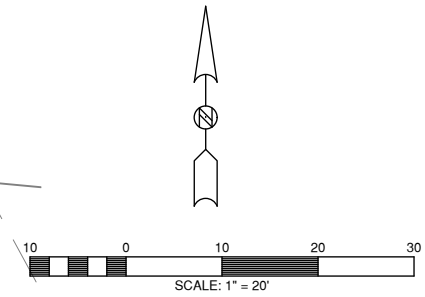
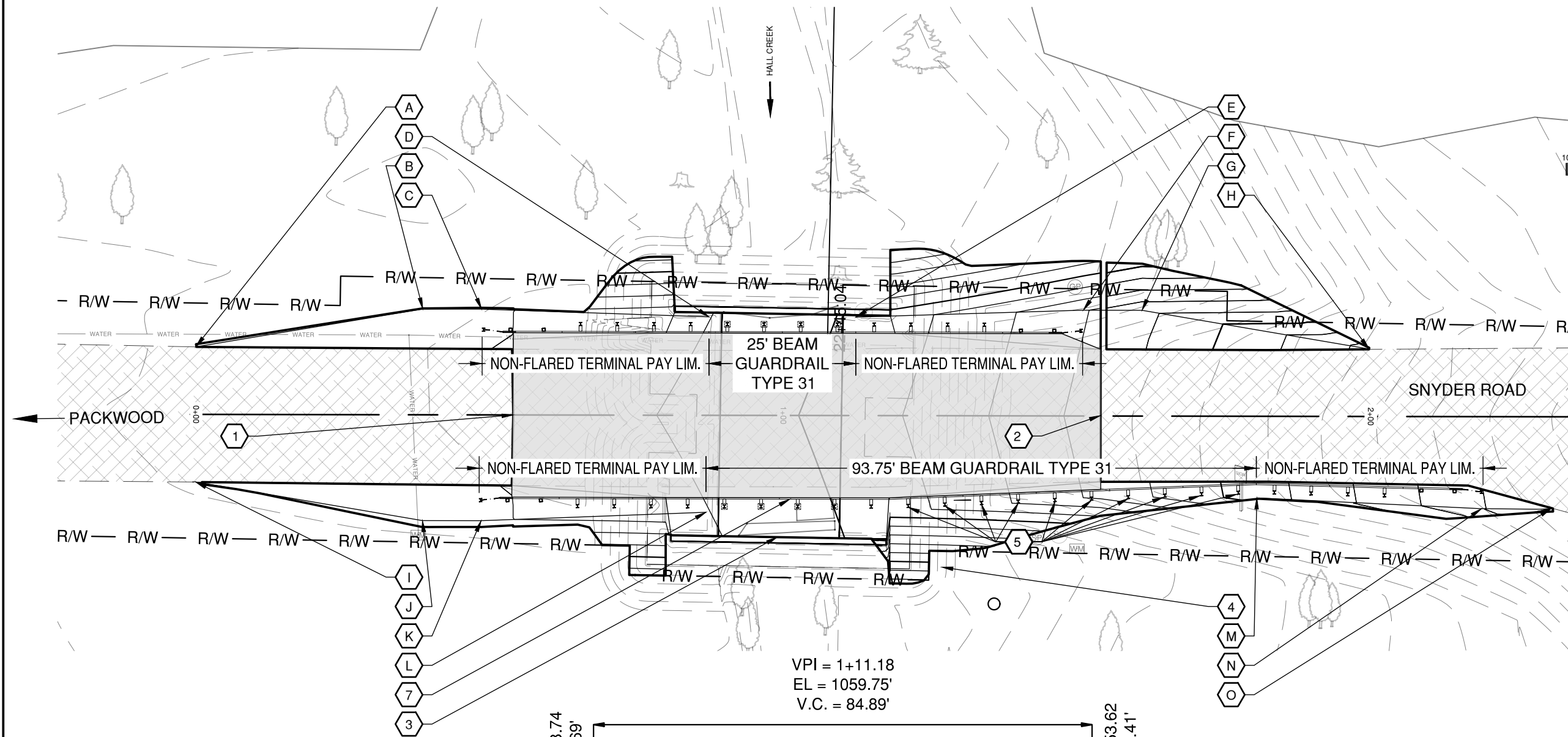
STREAM FILL SECTIONS

SHEET
8 OF 12



Rodney Troy Lahey, P.E.
Senior Engineer
Design/ENV.
Date: 11-Mar-2020

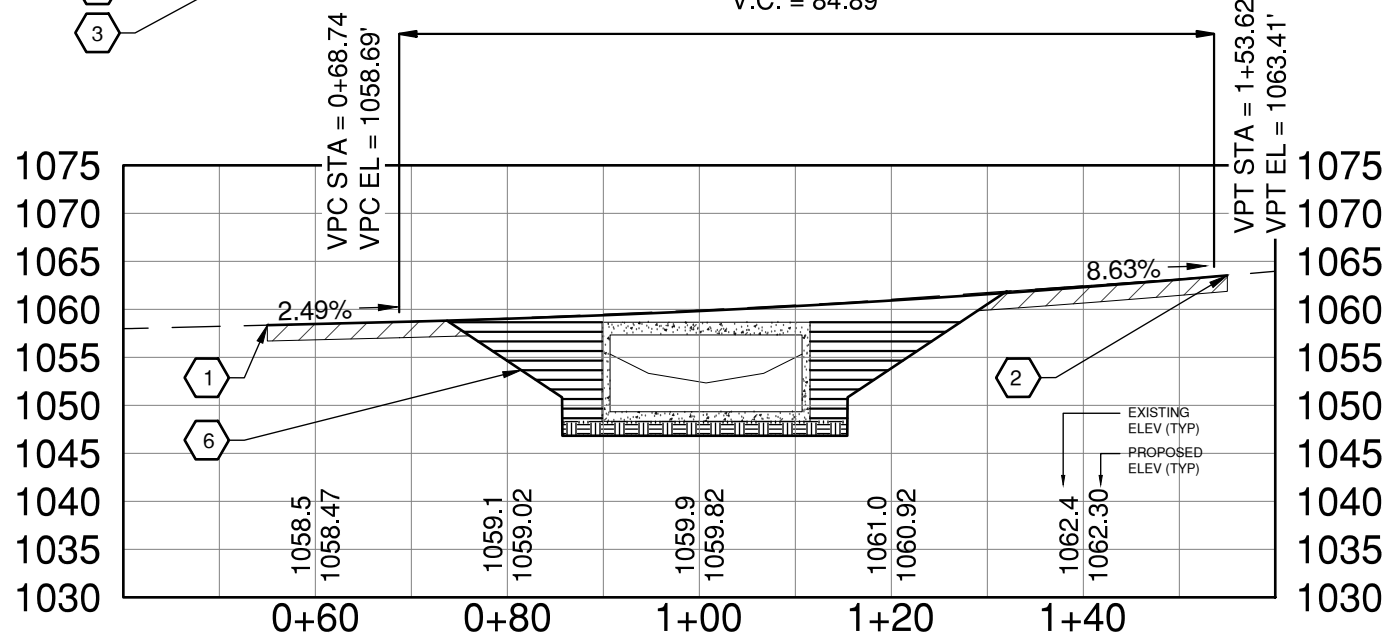




GUARDRAIL LANDING PTS.

POINT	STATION	OFFSET
A	0+00.91	11.48 LT
B	0+39.57	18 LT
C	0+49.57	18 LT
D	0+88.30	16.75 LT
E	1+13.30	16.75 LT
F	1+52.03	18 LT
G	1+62.03	18 LT
H	2+00.69	11.48 LT
I	00+00.91	11.48 RT
J	0+39.57	18 RT
K	0+49.57	18 RT
L	0+87.85	16.5 RT
M	1+81.63	13.89 RT
N	2+19.90	15.66 RT
O	2+31.75	15.61 RT

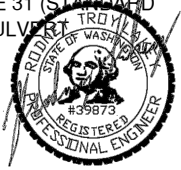
VPI = 1+11.18
 EL = 1059.75'
 V.C. = 84.89'

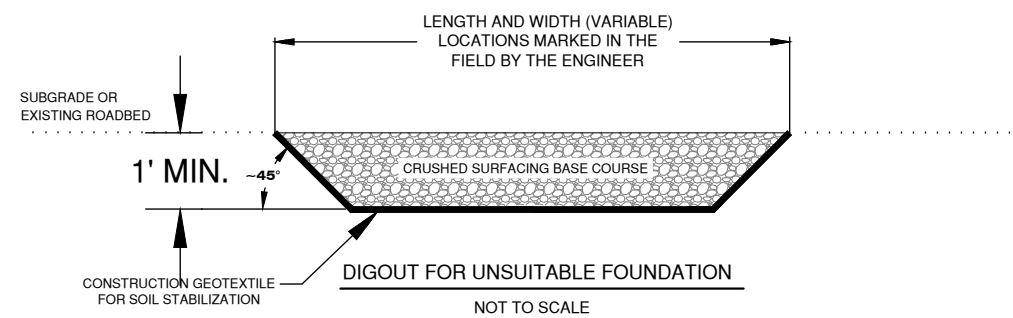
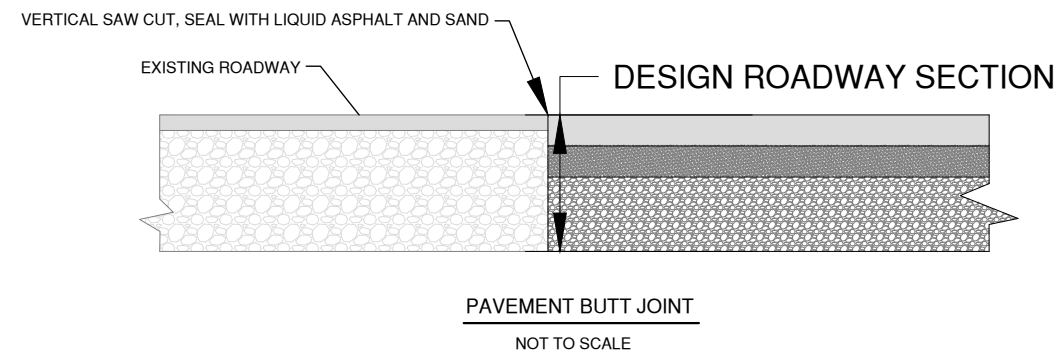
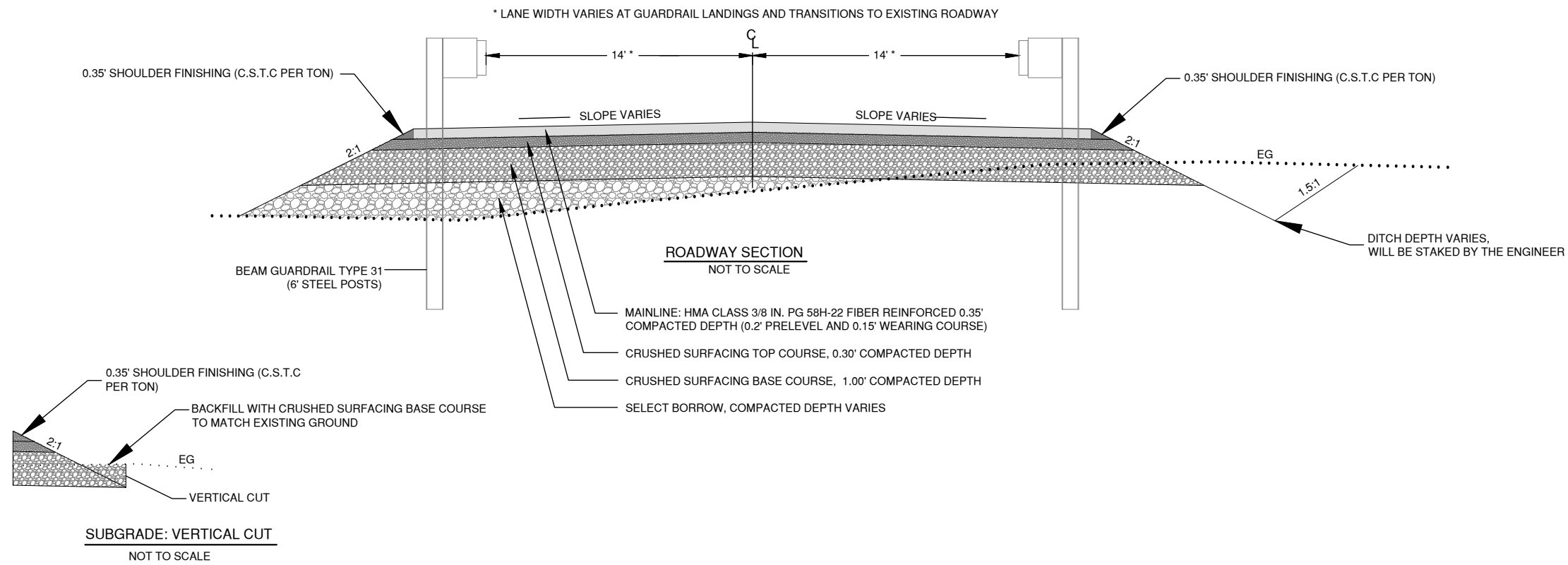


CONSTRUCTION NOTES:

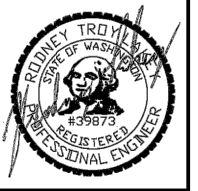
- 1 BEGINNING OF PROJECT: STA: 0+55 N: 467824.143 E: 1347963.218 ELEV: 1058.35'.
- 2 END OF PROJECT: STA: 1+55 N: 467823.965 E: 1348063.208 ELEV: 1063.53'.
- 3 PROPOSED CONCRETE SPLIT-BOX CULVERT (20' W x 8' T x 40' L). DETAILS ON SHEETS 6.
- 4 SLOPE TO EXISTING GROUND (1.5:1 THIS AREA).
- 5 GUARDRAIL TYPE 31 - 8' POST.
- 6 CONSTRUCTION GEOTEXTILE FOR STABILIZATION (WOVEN) @ 1' LIFTS FROM TRENCH BOTTOM TO TOP OF CULVERT.
- 7 BOX CULVERT GUARDRAIL STEEL POST & TYPE 31 (STANDARD PLAN C-20.41-02) TYPICAL OVER CONCRETE CULVERT.

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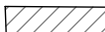





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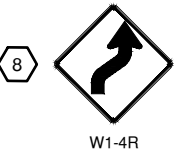
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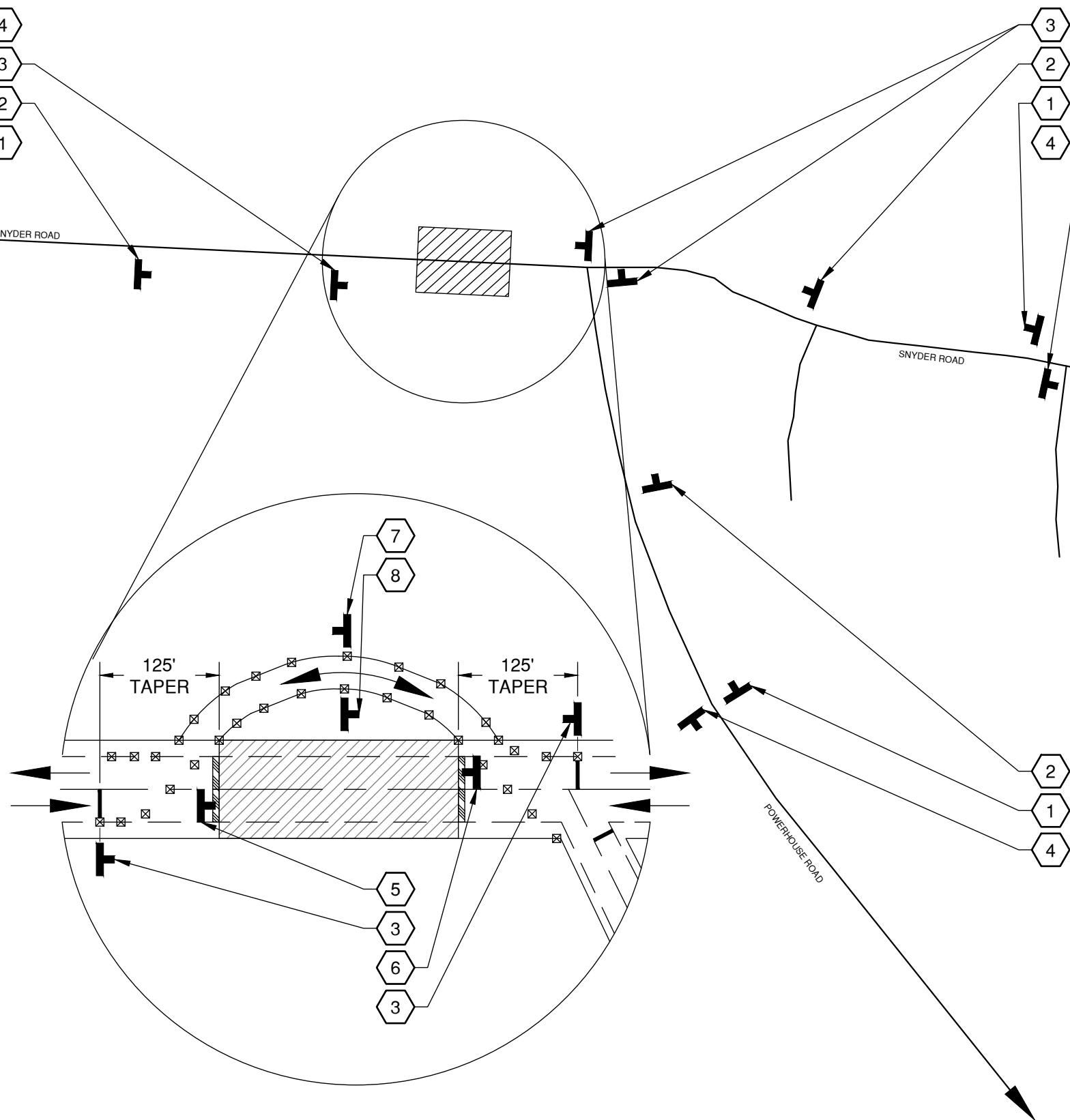
-  CONSTRUCTION SIGN CLASS A
-  TEMPORARY STOP BAR
-  28" TRAFFIC CONE (@ 25' SPACING MAX.)
-  WORK AREA
-  TYPE 3 BARRICADE

NOTES:

1. ALL G- AND W-SERIES SIGNS SHALL HAVE ORANGE BACKGROUNDS, ALL R-SERIES SIGNS SHALL HAVE WHITE BACKGROUNDS.
2. SIGN SPACING SHALL BE 350' UNLESS OTHERWISE SPECIFIED THIS SHEET.
3. ALL WORK SHALL COMPLY WITH THE LATEST VERSION OF THE MUTCD AND OTHER APPLICABLE PROVISIONS.
4. IF CONDITIONS DO NOT ALLOW FOR MUTCD OR WSDOT STANDARDS TO BE FOLLOWED FOR SIGN PLACEMENT, A MINIMUM OF 2' HORIZONTALLY FROM EDGE OF SIGN TO EDGE OF ROADWAY AND 5' VERTICALLY FROM BOTTOM OF SIGN TO TOP OF ROADWAY SHALL BE MAINTAINED.
5. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICE FARTHEST FROM THE WORK AREA SHALL BE PLACED FIRST AND SHALL BE PLACED PROGRESSIVELY TOWARD WORK AREA.
6. CONSTRUCTION SIGNAGE SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.

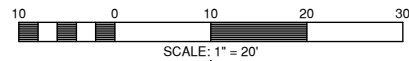
SIGNAGE NOTES:

- 1  ROAD WORK AHEAD
W20-1
- 2  LOOSE GRAVEL
- 3  MOTORCYCLES USE EXTREME CAUTION
W8-7
W21-1701P
- 4  NO CENTER LINE
- 5  SPEED LIMIT 25
W8-12
R2-1
- 6  END ROAD WORK
G20-2
- 5  ROAD CLOSED
R11-2
W1-6L
(MOUNTED ON TYPE 3 BARRICADE)
- 6  ROAD CLOSED
R11-2
W1-6R
(MOUNTED ON TYPE 3 BARRICADE)
- 7  W1-4L
- 8  W1-4R



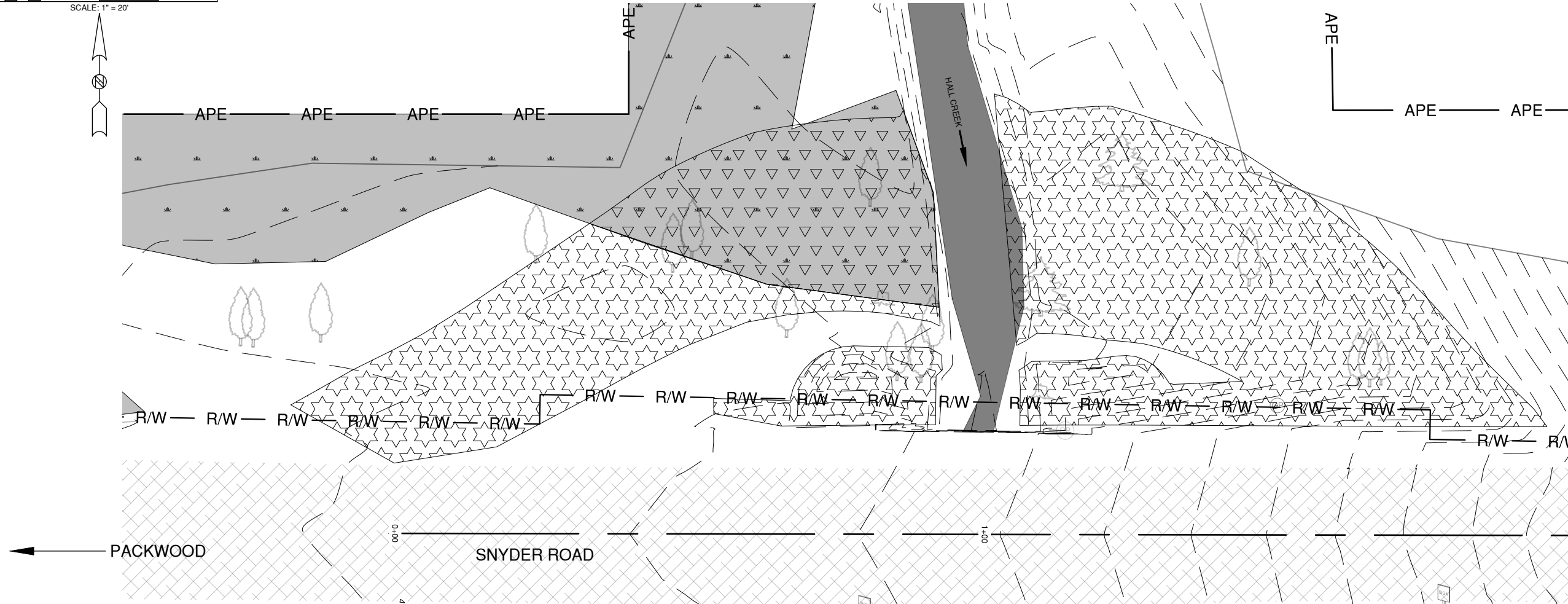
NO.	DATE	REVISION	BY	APP.



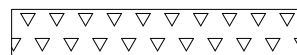


SEC. 25 TWP. 15N. RGE. 4E. W.M.

LAND LINES ARE APPROXIMATE



LEGEND:



WETLAND PLANTING ZONE



UPLAND PLANTING ZONE

NOTE:

TEMPORARY IMPACT AREAS WILL BE SCARIFIED AND HYDROSEEDDED WITH A NATIVE SEED MIX AS APPROPRIATE PRIOR TO PLANTING.

PLANTING PLAN

PLANTING ZONE	SCIENTIFIC NAME	COMMON NAME	TYPE	INDICATOR STATUS	SIZE OF PLANTS	NUMBER OF PLANTS
Wetland Planting Zone	<i>Populus balsamifera</i>	Black Cottonwood	T	FAC	2 Gallon Container	3
1,249 Square Feet	<i>Alnus rubra</i>	Red Alder	T	FAC	2 Gallon Container	5
	<i>Lonicera involucrata</i>	Black Twinberry	S	FAC	1 Gallon Container	16
	<i>Rosa nutkana</i>	Nootka Rose	S	FAC	1 Gallon Container	6
	<i>Acer circinatum</i>	Vine Maple	S	FAC	1 Gallon Container	6
Upland Planting Zone	<i>Pseudotsuga menziesii</i>	Douglas Fir	T	FACU	2 Gallon Container	17
5,219 Square Feet	<i>Thuja plicata</i>	Western Red Cedar	T	FAC	2 Gallon Container	9
	<i>Alnus rubra</i>	Red Alder	T	FAC	2 Gallon Container	9
	<i>Acer circinatum</i>	Vine Maple	S	FAC	1 Gallon Container	18
	<i>Oemleria cerasiformis</i>	Indian Plum	S	FACU	1 Gallon Container	18
	<i>Mahonia aquifolium</i>	Oregon Grape	S	FACU	1 Gallon Container	18
	<i>Gaultheria shallon</i>	Salal	S	FACU	1 Gallon Container	18



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DATE : 03/11/2020

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CULVERT REPLACEMENT PROJECT

FEMA PROJ. NO.: 4253-PW-00112
SPECIAL MAINT NO: 90-15F721210020

PLANTING PLAN

SHEET
12 OF
12



Rodney Troy Lakey, P.E.
Senior Engineer
Design/ENV.

Date: 11-Mar-2020

