

Lewis County
Department of Public Works
Engineering Division

**CONTRACT
PROVISIONS AND PLANS
FOR CONSTRUCTION OF:
JACKSON HIGHWAY
REHABILITATION PROJECT**

FEDERAL AID PROJECT NO. STPUS-5667(004)
F.A. Contract No. TA-6045
COUNTY ROAD PROJECT NO. 2175D

June, 2017

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



5-24-17

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1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the 2016 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 1-01, Definitions and Terms**

16 August 1, 2016

17 **1-01.3 Definitions**

18 The following new term and definition is inserted after the eighth paragraph:

19
20 **Cold Weather Protection Period** – A period of time 7 days from the day of concrete placement or
21 the duration of the cure period, whichever is longer.

22
23 **Section 1-02, Bid Procedures and Conditions**

24 April 4, 2016

25 **1-02.4(1) General**

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

27
28 Any prospective Bidder desiring an explanation or interpretation of the Bid Documents, shall
29 request the explanation or interpretation in writing by close of business on the Thursday preceding
30 the bid opening to allow a written reply to reach all prospective Bidders before the submission of
31 their Bids.

32
33 **1-02.9 Delivery of Proposal**

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

35
36 The Contracting Agency will not open or consider any Proposal when the Proposal or Bid deposit
37 is received after the time specified for receipt of Proposals or received in a location other than that
38 specified for receipt of Proposals unless an emergency or unanticipated event interrupts normal
39 work processes of the Contracting Agency so that Proposals cannot be received.

40
41 The following new paragraph is inserted before the last paragraph:

42
43 If an emergency or unanticipated event interrupts normal work processes of the Contracting
44 Agency so that Proposals cannot be received at the office designated for receipt of bids as
45 specified in Section 1-02.12 the time specified for receipt of the Proposal will be deemed to be
46 extended to the same time of day specified in the solicitation on the first work day on which the
47 normal work processes of the Contracting Agency resume.

48
49 **1-02.12 Public Opening of Proposals**

50 This section is supplemented with the following new paragraph:

1 If an emergency or unanticipated event interrupts normal work processes of the Contracting
2 Agency so that Proposals cannot be opened at the time indicated in the call for Bids the time
3 specified for opening of Proposals will be deemed to be extended to the same time of day on the
4 first work day on which the normal work processes of the Contracting Agency resume.
5

6 **Section 1-04, Scope of the Work**

7 January 3, 2017

8 **1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, 9 and Addenda**

10 The following new paragraph is inserted before the second to last paragraph:

11
12 Whenever reference is made in these Specifications or the Special Provisions to codes, rules,
13 specifications, and standards, the reference shall be construed to mean the code, rule,
14 specification, or standard that is in effect on the Bid advertisement date, unless otherwise stated or
15 as required by law.
16

17 **1-04.3 Reference Information**

18 This section is supplemented with the following new sentence:

19
20 If a document that is provided as reference information contains material also included as a part of
21 the Contract, that portion of the document shall be considered a part of the Contract and not as
22 Reference Information.
23

24 **Section 1-06, Control of Material**

25 January 4, 2016

26 This section is supplemented with the following new section and subsections:

27 28 **1-06.6 Recycled Materials**

29 The Contractor shall make their best effort to utilize recycled materials in the construction of the
30 project; the use of recycled concrete aggregate as specified in Section 1-06.6(1)A is a requirement
31 of the Contract.
32

33 The Contractor shall submit a Recycled Material Utilization Plan as a Type 1 Working Drawing
34 within 30 calendar days after the Contract is executed. The plan shall provide the Contractor's
35 anticipated usage of recycled materials for meeting the requirements of these Specifications. The
36 quantity of recycled materials will be provided in tons and as a percentage of the Plan quantity for
37 each material listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of
38 Recycled Material. When a Contract does not include Work that requires the use of a material that
39 is included in the requirements for using materials the Contractor may state in their plan that no
40 recycled materials are proposed for use.
41

42 Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were
43 utilized in the construction of the project for each of the items listed in Section 9-03.21. The report
44 shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and
45 other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned
46 to the supplier). The Contractor's report shall be provided on DOT Form 350-075 Recycled
47 Materials Reporting.
48

49 **1-06.6(1) Recycling of Aggregate and Concrete Materials**

50

1 **1-06.6(1)A General**

2 The minimum quantity of recycled concrete aggregate shall be 25 percent of the total quantity of
3 aggregate that is incorporated into the Contract for those items listed in Section 9-03.21(1)E Table
4 on Maximum Allowable Percent (By Weight) of Recycled Material that allow the use of recycled
5 concrete aggregate. The percentage of recycled material incorporated into the project for meeting
6 the required percentage will be calculated in tons based on the quantity of recycled concrete used
7 on the entire Contract and not as individual items.

8
9 If the Contractor's total cost for Work with recycled concrete aggregate is greater than without the
10 Contractor may choose to not use recycled concrete aggregate. When the Contractor does not
11 meet the minimum requirement of 25 percent recycled concrete aggregate for the Contract due to
12 costs or any other reason the following shall be submitted:

- 13
14 1. A cost estimate for each material listed in Section 9-03.21(1)E that is utilized on the
15 Contract. The cost estimate shall include the following:
- 16
17 a. The estimated costs for the Work for each material with 25 percent recycled concrete
18 aggregate. The cost estimate shall include for each material a copy of the price
19 quote from the supplier with the lowest total cost for the Work.
 - 20
21 b. The estimated costs for the Work for each material without recycled concrete
22 aggregate.

23
24 The Contractor's cost estimates shall be submitted as an attachment to the Recycled Materials
25 Reporting form.

26
27 **Section 1-07, Legal Relations and Responsibilities to the Public**

28 January 3, 2017

29 **1-07.1 Laws to be Observed**

30 In the second to last sentence of the third paragraph, "WSDOT" is revised to read "Contracting
31 Agency".

32
33 **1-07.2(2) State Sales Tax: WAC 458-20-170 – Retail Sales Tax**

34 The last three sentences of the first paragraph are deleted and replaced with the following new
35 sentence:

36
37 The Contractor (Prime or Subcontractor) shall include sales or use tax on the purchase or rental of
38 tools, machinery, equipment, or consumable supplies not integrated into the project, in the unit bid
39 prices.

40
41 **1-07.3(1) Forest Fire Prevention**

42 This section is supplemented with the following new subsections:

43
44 **1-07.3(1)A Fire Prevention Control and Countermeasures Plan**

45 The Contractor shall prepare and implement a project-specific fire prevention, control, and
46 countermeasures plan (FPCC Plan) for the duration of the project. The Contractor shall submit a
47 Type 2 Working Drawing no later than the date of the preconstruction conference.

48
49 **1-07.3(1)A1 FPCC Plan Implementation Requirements**

50 The Contractor's FPCC Plan shall be fully implemented at all times. The Contractor shall
51 update the FPCC Plan throughout project construction so that the plan reflects actual site
52 conditions and practices. The Contractor shall update the FPCC Plan at least annually and
53 maintain a copy of the updated FPCC Plan that is available for inspection on the project site.

1 Revisions to the FPCC Plan and the Industrial Fire Precaution Level (IFPL) shall be discussed
2 at the weekly project safety meetings.

3 4 **1-07.3(1)A2 FPCC Plan Element Requirements**

5 The FPCC Plan shall include the following:

- 6
7 1. The names, titles, and contact information for the personnel responsible for
8 implementing and updating the plan.
- 9
10 2. The names and telephone numbers of the Federal, State, and local agencies the
11 Contractor shall notify in the event of a fire.
- 12
13 3. All potential fire causing activities such as welding, cutting of metal, blasting, fueling
14 operations, etc.
- 15
16 4. The location of fire extinguishers, water, shovels, and other firefighting equipment.
- 17
18 5. The response procedures the Contractor shall follow in the event of a fire.

19
20 Most of Washington State is covered under the IFPL system which, by law, is managed by the
21 Department of Natural Resources (DNR). It is the Contractor's responsibility to be familiar with
22 the DNR requirements and to verify whether or not IFPL applies to the specific project.

23
24 If the Contractor wishes to continue a work activity that is prohibited under an industrial fire
25 precaution level, the Contractor shall obtain a waiver from the DNR and provide a copy to the
26 Engineer prior to continuation of work on the project.

27
28 If the IFPL requirements prohibit the Contractor from performing Work the Contractor may be
29 eligible for an unworkable day in accordance with Section 1-08.5.

30
31 The Contractor shall comply with the requirements of these provisions at no additional cost to
32 the Contracting Agency.

33 34 **1-07.8 High-Visibility Apparel**

35 The last paragraph is revised to read:

36
37 High-visibility garments shall be labeled as, and in a condition compliant with the ANSI/ISEA 107
38 (2004 or later version) and shall be used in accordance with manufacturer recommendations.

39 40 **1-07.8(1) Traffic Control Personnel**

41 In this section, references to "ANSI/ISEA 107-2004" are revised to read "ANSI/ISEA 107".

42 43 **1-07.8(2) Non-Traffic Control Personnel**

44 In this section, the reference to "ANSI/ISEA 107-2004" is revised to read "ANSI/ISEA 107".

45 46 **1-07.9(2) Posting Notices**

47 Items 1 and 2 are revised to read:

- 48
49 1. EEOC - P/E-1 (revised 11/09, supplemented 09/15) – **Equal Employment Opportunity IS**
50 **THE LAW** published by US Department of Labor. Post for projects with federal-aid funding.
- 51
52 2. FHWA 1022 (revised 05/15) – **NOTICE Federal-Aid Project** published by Federal Highway
53 Administration (FHWA). Post for projects with federal-aid funding.

1 Items 5, 6 and 7 are revised to read:

- 2
- 3 5. WHD 1420 (revised 02/13) – **Employee Rights and Responsibilities Under The Family**
- 4 **And Medical Leave Act** published by US Department of Labor. Post on all projects.
- 5
- 6 6. WHD 1462 (revised 01/16) – **Employee Polygraph Protection Act** published by US
- 7 Department of Labor. Post on all projects.
- 8
- 9 7. F416-081-909 (revised 09/15) – **Job Safety and Health Law** published by Washington State
- 10 Department of Labor and Industries. Post on all projects.
- 11

12 Items 9 and 10 are revised to read:

- 13
- 14 9. F700-074-909 (revised 06/13) – **Your Rights as a Worker in Washington State** by
- 15 Washington State Department of Labor and Industries (L&I). Post on all projects.
- 16
- 17 10. EMS 9874 (revised 10/15) – **Unemployment Benefits** published by Washington State
- 18 Employment Security Department. Post on all projects.
- 19

20 **1-07.15(1) Spill Prevention, Control, and Countermeasures Plan**

21 The second sentence of the first paragraph is deleted.

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

23

24 The SPCC Plan shall address all fuels, petroleum products, hazardous materials, and other

25 materials defined in Chapter 447 of the WSDOT Environmental Manual M 31-11.

26

27

28 Item number four of the fourth paragraph (up until the colon) is revised to read:

29

- 30 4. **Potential Spill Sources** – Describe each of the following for all potentially hazardous
- 31 materials brought or generated on-site, including but not limited to materials used for
- 32 equipment operation, refueling, maintenance, or cleaning:
- 33

34 The first sentence of item 7e of the fourth paragraph is revised to read:

35

36 BMP methods and locations where they are used to prevent discharges to ground or water during

37 mixing and transfer of hazardous materials and fuel.

38

39 The last paragraph is deleted.

40

41 **Section 1-08, Prosecution and Progress**

42 January 3, 2017

43 **1-08.1 Subcontracting**

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

45

46 Whenever the Contractor withholds payment to a Subcontractor for any reason including disputed

47 amounts, the Contractor shall provide notice within 10 calendar days to the Subcontractor with a

48 copy to the Contracting Agency identifying the reason for the withholding and a clear description of

49 what the Subcontractor must do to have the withholding released.

50

51 The fourth sentence of the second to last paragraph is revised to read:

52

1 The Monthly Payment Summary shall include all Subcontractors that performed work that was paid
2 on the progress estimate by the Contracting Agency.

3
4 **1-08.1(1) Prompt Payment, Subcontract Completion and Return of Retainage Withheld**

5 In item number 5 of the first paragraph, "WSDOT" is revised to read "Contracting Agency".

6
7 The last sentence in item number 11 of the first paragraph is revised to read:

8
9 The Contractor may also require any documentation from the Subcontractor that is required by the
10 subcontract or by the Contract between the Contractor and Contracting Agency or by law such as
11 affidavits of wages paid, and material acceptance certifications to the extent that they relate to the
12 Subcontractor's Work.

13
14 Item number 12 of the first paragraph is revised to read:

15
16 12. If the Contractor fails to comply with the requirements of the Specification and the
17 Subcontractor's retainage or retainage bond is wrongfully withheld, the Contractor will be
18 subject to the actions described in No. 7 listed above. The Subcontractor may also seek
19 recovery against the Contractor under applicable prompt pay statutes in addition to any other
20 remedies provided for by the subcontract or by law.

21
22 **1-08.5 Time for Completion**

23 In item 2c of the last paragraph, "Quarterly Reports" is revised to read "Monthly Reports".

24
25 **Section 1-09, Measurement and Payment**

26 April 4, 2016

27 **1-09.6 Force Account**

28 The second sentence of item number 4 is revised to read:

29
30 A "specialized service" is a work operation that is not typically done by worker classifications as
31 defined by the Washington State Department of Labor and Industries and by the Davis Bacon Act,
32 and therefore bills by invoice for work in road, bridge and municipal construction.

33
34 **Section 1-10, Temporary Traffic Control**

35 January 3, 2017

36 **1-10.1(2) Description**

37 The first paragraph is revised to read:

38
39 The Contractor shall provide flaggers and all other personnel required for labor for traffic control
40 activities that are not otherwise specified as being furnished by the Contracting Agency.

41
42 In the third paragraph, "Project Engineer" is revised to read "Engineer".

43
44 The following new paragraph is inserted after the third paragraph:

45
46 The Contractor shall keep lanes, on-ramps, and off-ramps, open to traffic at all times except when
47 Work requires closures. Ramps shall not be closed on consecutive interchanges at the same time,
48 unless approved by the Engineer. Lanes and ramps shall be closed for the minimum time required
49 to complete the Work. When paving hot mix asphalt the Contractor may apply water to the
50 pavement to shorten the time required before reopening to traffic.

1 **1-10.3(2)C Lane Closure Setup/Takedown**

2 The following new paragraph is inserted before the last paragraph:

3
4 Channelization devices shall not be moved by traffic control personnel across an open lane of
5 traffic. If an existing setup or staging of traffic control devices require crossing an open lane of
6 traffic, the traffic control devices shall be taken down completely and then set up in the new
7 configuration.

8
9 **Section 2-03, Roadway Excavation and Embankment**

10 August 1, 2016

11 **2-03.3(7)C Contractor-Provided Disposal Site**

12 The second paragraph is revised to read:

13
14 The Contractor shall acquire all permits and approvals required for the use of the disposal sites
15 before any waste is hauled off the project. The Contractor shall submit a Type 1 Working Drawing
16 consisting of copies of the permits and approvals for any disposal sites to be used. The cost of any
17 such permits and approvals shall be included in the Bid prices for other Work.

18 The third paragraph is deleted.

19
20
21 **Section 2-06, Subgrade Preparation**

22 January 3, 2017

23 **2-06.3(2) Subgrade for Pavement**

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

25
26 The Contractor shall compact the Subgrade to a depth of 6 inches to 95 percent of maximum
27 density as determined by the compaction control tests for granular materials.

28
29 **Section 3-04, Acceptance of Aggregate**

30 January 3, 2017

31 **3-04.5 Payment**

32 In Table 1, the **Contingent Unit Price Per Ton** value for the item HMA Aggregate is revised to read
33 "\$15.00".

34
35 **Section 4-04, Ballast and Crush Surfacing**

36 January 3, 2017

37 **4-04.3(5) Shaping and Compaction**

38 The first sentence is revised to read:

39
40 Immediately following spreading and final shaping, each layer of surfacing shall be compacted to
41 at least 95 percent of maximum density determined by the requirements of Section 2-03.3(14)D
42 before the next succeeding layer of surfacing or pavement is placed.

43
44 **Section 5-01, Cement Concrete Pavement Rehabilitation**

45 January 3, 2017

46 In this section, "portland cement" is revised to read "cement".

1 **5-01.2 Materials**

2 In the first paragraph, the following item is inserted after the item "Joint Sealants":

3
4 Closed Cell Foam Backer Rod 9-04.2(3)A

5
6 **5-01.3(1)A Concrete Mix Designs**

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

8
9 **5-01.3(1)A Mix Designs**

10 The Contractor shall use either concrete patching materials or cement concrete for the
11 rehabilitation of cement concrete pavement. Concrete patching materials shall be used for spall
12 repair and dowel bar retrofitting and cement concrete shall be used for concrete panel
13 replacement.

14
15 **5-01.3(1)A1 Concrete Patching Materials**

16 Item number 1 is revised to read:

- 17
18 1. **Materials** – The prepackaged concrete patching material and the aggregate extender shall
19 conform to Section 9-20.

20
21 **5-01.3(1)A2 Portland Cement Concrete**

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

23
24 **5-01.3(1)A2 Cement Concrete for Panel Replacement**

25 Cement concrete for panel replacement shall meet the requirements of Sections 5-05.3(1) and 5-
26 05.3(2) and be air entrained with a design air content of 5.5 percent. Cement concrete for panel
27 replacement may use rapid hardening hydraulic cement meeting the requirements of Section 9-
28 01.2(2). Rapid hardening hydraulic cement will be considered a cementitious material for the
29 purpose of calculating the water/cementitious materials ratio and the minimum cementitious
30 materials requirement.

31
32 **5-01.3(1)B Equipment**

33 This section's title is revised to read:

34
35 **Equipment for Panel Replacement**

36
37 **5-01.3(2)B Portland Cement Concrete**

38 This section's title is revised to read:

39
40 **Cement Concrete for Panel Replacement**

41
42 This section is supplemented with the following new subsection:

43
44 **5-01.3(2)B1 Conformance to Mix Design**

45 Acceptance of cement concrete pavement for panel replacement shall be in accordance with
46 Section 5-01.3(2)B. The cement, coarse, and fine aggregate weights shall be within the tolerances
47 of the mix design in accordance with Section 5-05.3(1).

48
49 **5-01.3(2)B1 Rejection of Concrete**

50 This section is renumbered as follows:

51
52 **5-01.3(2)B2 Rejection of Concrete**

1 **5-01.3(4) Replace Portland Cement Concrete Panel**

2 This section's title is revised to read:

3
4 **Replace Cement Concrete Panel**

5
6 **5-01.3(8) Sealing Existing Transverse and Longitudinal Joints**

7 This section's title is revised to read:

8
9 **Sealing Existing Longitudinal and Transverse Joint**

10
11 The first paragraph is revised to read:

12
13 The Contractor shall clean and seal existing longitudinal and transverse joints where shown in the
14 Plans or as marked by the Engineer.

15
16 The first sentence of the second paragraph is revised to read:

17
18 Old sealant and incompressible material shall be completely removed from the joint to the depth of
19 the new reservoir with a diamond blade saw in accordance with the detail shown in the Standard
20 Plans.

21
22 The fifth paragraph is revised to read:

23
24 Immediately prior to sealing, the cracks shall be blown clean with dry oil-free compressed air. If
25 shown in the Plans, a backer rod shall be placed at the base of the sawn reservoir. The joints shall
26 be completely dry before the sealing installation may begin. Immediately following the air blowing
27 and backer rod placement, if required, the sealant material shall be installed in conformance to
28 manufacturer's recommendations and in accordance with Section 5-05.3(8)B.

29
30 **5-01.3(9) Portland Cement Concrete Pavement Grinding**

31 This section's title is revised to read:

32
33 **Cement Concrete Pavement Grinding**

34
35 **5-01.3(11) Concrete Slurry and Grinding Residue**

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

37
38 Slurry shall not be allowed to drain into an area open to traffic, off of the paved surface, into any
39 drainage structure, water of the state, or wetlands.

40
41 The following new sentence is inserted at the end of the second paragraph:

42
43 The Contractor shall submit copies of all disposal tickets to the Engineer within 5 calendar days.

44
45 **5-01.4 Measurement**

46 The fourth paragraph is revised to read:

47
48 Sealing existing longitudinal and transverse joint will be measured by the linear foot, measured
49 along the line of the completed joint.

50
51 **5-01.5 Payment**

52 The Bid item "Sealing Transverse and Longitudinal Joints", per linear foot and the paragraph following
53 Bid item are revised to read:

1
2 "Sealing Existing Longitudinal and Transverse Joint", per linear foot.

3
4 The unit Contract price per linear foot for "Sealing Existing Longitudinal and Transverse Joint",
5 shall be full payment for all costs to complete the Work as specified, including removing
6 incompressible material, preparing and sealing existing transverse and longitudinal joints where
7 existing transverse and longitudinal joints are cleaned and for all incidentals required to complete
8 the Work as specified.

9
10 **Section 5-02, Bituminous Surface Treatment**

11 April 4, 2016

12 **5-02.3(2) Preparation of Roadway Surface**

13 This section is supplemented with the following new subsection:

14
15 **5-02.3(2)E Crack Sealing**

16 Where shown in the Plans, seal cracks and joints in the pavement in accordance with Section 5-
17 04.3(4)A1 and the following:

- 18
19 1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
20
21 2. Cracks greater than 1 inch in width – fill with sand slurry.

22
23 **Section 5-05, Cement Concrete Pavement**

24 January 3, 2017

25 **5-05.3(1) Concrete Mix Design for Paving**

26 In last sentence of the second paragraph of item number 1, the reference to "Section 9-01.2(4)" is
27 revised to read "Section 9-01.2(1)B".

28
29 The following is inserted after item number 2:

- 30
31 3. **Mix Design Modifications** - The Contractor may initiate adjustments to the aggregate
32 proportions of the approved mix design. An adjustment in both the fine and coarse aggregate
33 batch target weights of plus or minus 200 pounds per cubic yard will be allowed without
34 resubmittal of the mix design. The adjusted aggregate weights shall become the new batch
35 target weights for the mix design.

36
37 Item number 3 is renumbered to 4 and revised (up until the table) to read:

- 38
39 4. **Conformance to Mix Design** - Cement and coarse and fine aggregate weights shall be within
40 the following tolerances of the batch target weights of the mix design:

41

| Portland Cement Concrete Batch Weights | | |
|--|-----|-----|
| Cement | +5% | -1% |
| Coarse Aggregate | +2% | -2% |
| Fine Aggregate | +2% | -2% |

42
43 **5-05.3(3)B Mixing Equipment**

44 The last sentence of item number 4 is revised to read:

45
46 Plant-mixed concrete may be transported in nonagitated vehicles provided that the concrete is in a
47 workable condition when placed and:

- 1
- 2 a. discharge is completed within 45 minutes after the introduction of mixing water to the
- 3 cement and aggregates, or
- 4
- 5 b. discharge is completed within 60 minutes after the introduction of mixing water to the
- 6 cement and aggregates, provided the concrete mix temperature is 70°F or below during
- 7 placement, or
- 8
- 9 c. discharge is completed within 60 minutes after the introduction of mixing water to the
- 10 cement and aggregates, provided the mix contains an approved set retarder at the
- 11 manufacturer's minimum dosage rate.
- 12

13 **5-05.3(6) Subgrade**

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

15

16 **5-05.3(6) Surface Preparation**

17 The Subgrade surface shall be prepared and compacted a minimum of 3 feet beyond each edge of

18 the area which is to receive concrete pavement in order to accommodate the slip-form equipment.

19

20 Concrete shall not be placed during a heavy rainfall. Prior to placing concrete:

21

- 22 1. The surface shall be moist;
- 23
- 24 2. Excess water (e.g., standing, pooling or flowing) shall be removed from the surface.
- 25
- 26 3. The surface shall be clean and free of any deleterious materials.
- 27
- 28 4. The surface temperature shall not exceed 120°F or be frozen.
- 29

30 **5-05.3(7)A Slip-Form Construction**

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

32

33 The alignment and elevation of the paver shall be regulated from outside reference lines

34 established for this purpose, or by an electronic control system capable of controlling the line and

35 grade within required tolerances.

36

37 **Section 6-02, Concrete Structures**

38 April 3, 2017

39 **6-02.3(2) Proportioning Materials**

40 In the sixth paragraph, the reference to "Section 9-01.2(4)" is revised to read "9-01.2(1)B".

41

42 **6-02.3(2)A Contractor Mix Design**

43 The following new sentence is inserted after the first sentence of the third paragraph:

44

45 The mix design submittal shall also include test results no older than one year showing that the

46 Aggregates do not contain Deleterious Substances in accordance with Section 9-03.

47

48 **6-02.3(2)A1 Contractor Mix Design for Concrete Class 4000D**

49 The following new sentence is inserted after the second sentence of the last paragraph:

50

51 Mix designs using shrinkage reducing admixture shall state the specific quantity required.

52

53 The following new sentence is inserted before the last sentence of the last paragraph:

1
2 Testing samples of mixes using shrinkage reducing admixture shall use the admixture amount
3 specified in the mix design submittal.
4

5 **6-02.3(2)B Commercial Concrete**

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

8 Commercial concrete does not require mix design or source approvals for cement, aggregate, and
9 other admixtures.
10

11 **6-02.3(6)A1 Hot Weather Protection**

12 This section is revised to read:
13

14 The Contractor shall provide concrete within the specified temperature limits. Cooling of the coarse
15 aggregate piles by sprinkling with water is permitted provided the moisture content is monitored
16 and the mixing water is adjusted for the free water in the aggregate. Shading or cooling aggregate
17 piles (sprinkling of fine aggregate piles with water is not allowed). If sprinkling of the coarse
18 aggregates is to be used, the piles moisture content shall be monitored and the mixing water
19 adjusted for the free water in the aggregate. In addition, when removing the coarse aggregate,
20 it shall be removed from at least 1 foot above the bottom of the pile. Refrigerating mixing water; or
21 replacing all or part of the mixing water with crushed ice, provided the ice is completely melted by
22 placing time.
23

24 If air temperature exceeds 90°F, the Contractor shall use water spray or other accepted methods
25 to cool all concrete-contact surfaces to less than 90°F. These surfaces include forms, reinforcing
26 steel, steel beam flanges, and any others that touch the mix.
27

28 **6-02.3(6)A2 Cold Weather Protection**

29 This section is revised to read:
30

31 Concrete shall be maintained at or above a temperature of 40°F during the first seven days of the
32 Cold Weather Protection Period and at or above a temperature of 35°F during the remainder of the
33 Cold Weather Protection Period. Cold weather protection requirements do not apply to concrete in
34 shafts and piles placed below the ground line.
35

36 Prior to placing concrete in cold weather, the Contractor shall submit a Type 2 Working Drawing
37 with a written procedure for cold weather concreting. The procedure shall detail how the Contractor
38 will adequately cure the concrete and prevent the concrete temperature from falling below the
39 minimum temperature. Extra protection shall be provided for areas especially vulnerable to
40 freezing (such as exposed top surfaces, corners and edges, thin sections, and concrete placed
41 into steel forms). Concrete placement will only be allowed if the Contractor's cold weather
42 protection plan has been accepted by the Engineer.
43

44 Prior to concrete placement, the Contractor shall review the 7-day temperature predictions for the
45 job site from the Western Region Headquarters of the National Weather Service
46 (www.wrh.noaa.gov). When temperatures below 35°F are predicted, the Contractor shall:
47

- 48 1. Install temperature data loggers in each concrete pour. One data logger shall be installed
49 for every 100 yards of concrete placed. Data loggers shall be installed at locations
50 directed by the Engineer, and shall be placed 1.5 inches from the face of concrete.
51
- 52 2. Immediately after concrete placement, temperature data loggers shall be installed on the
53 concrete surface at locations directed by the Engineer. One data logger shall be installed
54 for every 100 yards of concrete placed.

1
2 The data loggers shall be operated continuously during the Cold Weather Protection Period.
3 Temperatures shall be measured, recorded and stored a minimum of every 30 minutes.
4 Temperature data shall be submitted to the Engineer as a Type 1 Working Drawing within three
5 days following the end of the Cold Weather Protection Period.
6

7 For each day that the concrete temperature falls below 40°F during the first seven days of the Cold
8 Weather Protection Period, no curing time is awarded for that day and the Cold Weather Protection
9 Period is extended for one additional day. If the concrete temperature falls below 35°F during Cold
10 Weather Protection Period, the concrete may be rejected by the Engineer.
11

12 **6-02.3(7) Concrete Exposed to Sea Water**

13 This section including title is revised to read:
14

15 **6-02.3(7) Vacant**

16

17 **6-02.3(8) Concrete Exposed to Alkaline Soils or Water**

18 This section including title is revised to read:
19

20 **6-02.3(8) Vacant**

21

22 **6-02.3(17)K Concrete Forms on Steel Spans**

23 In the last paragraph, "ASTM A325" is revised to read "ASTM F3125 Grade A325".
24

25 **6-02.3(17)N Removal of Falsework and Forms**

26 The fifth paragraph is deleted.
27

28 **6-02.3(25) Prestressed Concrete Girders**

29 Under the heading "Prestressed Concrete Slab Girder", the second sentence is deleted.
30

31 **6-02.3(25)A Shop Drawings**

32 The sixth paragraph is deleted.
33

34 **6-02.3(25)F Prestress Release**

35 The last two sentences of the last paragraph are deleted and replaced with the following single
36 sentence:
37

38 This request shall be submitted as a Type 2E Working Drawing analyzing changes in vertical
39 deflection, girder lateral stability and concrete stresses in accordance with Section 6-02.3(25)L2.
40

41 **6-02.3(25)H Finishing**

42 Item number 2 in the first paragraph is revised to read:
43

- 44 2. The bottoms, sides, and tops of the lower flanges on all girders, including the top of the bottom
45 slab between the tub girder webs.
46

47 **6-02.3(25)I Fabrication Tolerances**

48 Items 4 and 5 in the first paragraph are revised to read:
49

- 50 4. Flange Depth: $\pm \frac{1}{4}$ inch
51

- 52 5. Strand Position:
53

1 Individual strands: $\pm \frac{1}{4}$ inch

2 Bundled strands: $\pm \frac{1}{2}$ inch

3 Harped strand group center of gravity at the girder ends: ± 1 inch

4
5
6
7 Items 7, 8 and 9 in the first paragraph are revised to read:

8
9 7. Position of an Interior Void, vertically and horizontally: $\pm \frac{1}{2}$ inch.

10
11 8. Bearing Recess (center of recess to girder end): $\pm \frac{5}{8}$ inch.

12
13 9. Girder Ends (deviation from square or designated skew):

14
15 Horizontal: $\pm \frac{1}{8}$ inch per foot of girder width, up to a maximum of $\pm \frac{1}{2}$ inch

16
17 Vertical: $\pm \frac{3}{16}$ inch per foot of girder depth, up to a maximum of $\pm 1\frac{1}{2}$ inch

18
19 Items 14 and 15 in the first paragraph are revised to read:

20
21 14. Local smoothness of any surface: $\pm \frac{1}{4}$ inch in 10 feet.

22
23 15. Differential Camber between Girders in a Span (measured in place at the job site):

24

| | |
|--|--|
| For wide flange deck and deck bulb tee girders with a cast-in-place reinforced concrete deck: | Cambers shall be equalized when the differences in cambers between adjacent girders exceeds $\pm \frac{3}{4}$ inch |
| For wide flange deck, deck bulb tee and slab girders without a cast-in-place reinforced concrete deck: | Cambers shall be equalized when the differences in cambers between adjacent girders exceeds $\pm \frac{1}{4}$ inch |

25
26 Item 17 in the first paragraph is revised to read:

27
28 17. Position of Lifting Embedments: ± 3 inches longitudinal, $\pm \frac{1}{4}$ inch transverse.

29
30 **6-02.3(25)J Horizontal Alignment**

31 This section is revised to read:

32
33 The Contractor shall check and record the horizontal alignment (sweep) of each girder at the
34 following times:

- 35
36 1. Initial – Upon removal of the girder from the casting bed
- 37
38 2. Shipment – Within 14 days prior to shipment; and
- 39
40 3. Erection – After girder erection and cutting temporary top strands but prior to any
41 equalization, welding ties or placement of diaphragms.

42
43 Horizontal alignment of the top and bottom flanges shall be checked and recorded. Alternatively,
44 the Contractor may check and record the horizontal alignment of the web near mid-height of the
45 girder. Each check shall be made by measuring the maximum offset at mid-span relative to a
46 chord that starts and stops at the girder ends. The Contractor shall check and record the alignment
47 at a time when the girder is not influenced by temporary differences in surface temperature.
48 Records for the initial check (item 1 above) shall be included in the Contractor's prestressed

1 concrete certificate of compliance. Records for all other checks shall be submitted as a Type 1
2 Working Drawing.

3
4 For each check (Items 1 to 3 above), the alignment shall not be offset more than $\frac{1}{8}$ inch for each
5 10 feet of girder length. Girders not meeting this tolerance for the shipment check (Item 2 above)
6 shall require an analysis of girder lateral stability and stresses in accordance with Section 6-
7 02.3(25)L1. The Contractor shall perform this analysis and submit it as a Type 2E Working
8 Drawing prior to shipment of the girder. Any girder that exceeds an offset of $\frac{1}{8}$ inch for each 10 feet
9 of girder length for the erection check (Item 3 above) shall be corrected at the job site to the $\frac{1}{8}$ inch
10 maximum offset per 10 feet of girder length before concrete is placed into the diaphragms. The
11 Contractor shall submit a Type 2 Working Drawing for any required corrective action.

12
13 The maximum distance between the side of a prestressed concrete slab girder, or the edge of the
14 top flange of a wide flange deck, wide flange thin deck or deck bulb tee girder, and a chord that
15 extends the full length of the girder shall be $\pm\frac{1}{2}$ inch after erection (Item 3 above).

16 17 **6-02.3(25)K Vertical Deflection**

18 Items 2 and 3 in the first paragraph are revised to read:

- 19
20 2. Shipment – Within 14 days prior to shipment;
21
22 3. Erection – After girder erection and cutting temporary top strands but prior to any equalization,
23 welding ties or placement of diaphragms.

24
25 The following new paragraph is inserted after the second paragraph:

26
27 Girders with vertical deflections not meeting the limit shown in the Plans for the shipment check
28 (Item 2 above) shall require an analysis of girder lateral stability and stresses in accordance with
29 Section 6-02.3(25)L1. The Contractor shall perform this analysis and submit it as a Type 2E
30 Working Drawing prior to shipment.

31
32 The following new sentence is inserted after the second sentence of the fourth to last paragraph:

33
34 Any diaphragms are assumed to be placed.

35
36 The last three paragraphs are deleted and replaced with the following:

37
38 If the girder vertical deflection measured for the erection check (Item 3 above) is not between the
39 lower "D" dimension bound shown in the Plans and the upper "D" dimension bound shown in the
40 Plans plus $\frac{3}{4}$ inches, the Engineer may require corrective action. The Contractor shall submit a
41 Type 2 Working Drawing for any required corrective action.

42 43 **6-02.3(25)L Handling and Storage**

44 The second paragraph is revised to read:

45
46 For strand lift loops, only $\frac{1}{2}$ -inch diameter or 0.6-inch diameter strand conforming to Section 9-
47 07.10 shall be used, and a minimum 2-inch diameter straight pin of a shackle shall be used
48 through the loops. Multiple loops shall be held level in the girder during casting in a manner that
49 allows each loop to carry its share of the load during lifting. The minimum distance from the end of
50 the girder to the centroid of the strand lift loops shall be 3 feet. The loops for all prestressed
51 concrete girders, with the exception of prestressed concrete slab girders, shall project a minimum
52 of 1'-6" from the top of the girder. The loops for prestressed concrete slab girders shall project a
53 minimum of 4 inches. Loops shall extend to within 3 inches clear of the bottom of the girder,
54 terminating with a 9-inch long 90-degree hook. Loads on individual loops shall be limited to 12

1 kips, and all girders shall be picked up at a minimum angle of 60 degrees from the top of the
2 girder.

3
4 The third sentence of the fourth paragraph is revised to read:

5
6 Alternatively, these temporary strands may be post-tensioned provided the strands are stressed on
7 the same day that the permanent prestress is released into the girder and the strands are
8 tensioned prior to lifting the girder.

9
10 The second to last sentence of the fourth paragraph is revised to read:

11
12 When the post-tensioned alternative is used, the Contractor shall be responsible for properly sizing
13 the anchorage plates, and configuring the reinforcement adjacent to the anchorage plates, to
14 prevent bursting or splitting of the concrete in the top flange.

15
16 The second to last paragraph is deleted.

17
18 This section is supplemented with the following new subsections:

19
20 **6-02.3(25)L1 Girder Lateral Stability and Stresses**

21 The Contractor shall be responsible for safely lifting, storing, shipping and erecting prestressed
22 concrete girders.

23
24 The Contract documents may provide shipping and handling details for girders including lifting
25 embedment locations (L), shipping support locations (L_1 and L_2), minimum shipping support
26 rotational spring constants (K_θ), minimum shipping support center-to-center wheel spacings (W_{cc}),
27 vertical deflections and number of temporary top strands. These shipping and handling details
28 have been determined in accordance with Section 6-02.3(25)L2.

29
30 The Contractor shall submit a Type 2E Working Drawing analyzing girder lateral stability and
31 concrete stresses during lifting, storage, shipping and erection in accordance with Section 6-
32 02.3(25)L2 in the following cases:

- 33
34
35
36
37
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41
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45
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47
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49
50
51
52
53
54
1. Any of the analysis assumptions listed in Section 6-02.3(25)L2 are invalid. Determination of validity shall be made by the Contractor, except that analysis assumptions shall be considered invalid if the actual values are outside of the provided tolerances.
 2. The Contractor intends to alter the shipping and handling details provided in the Contract documents.
 3. The Contract documents do not provide shipping and handling details.

43
44
45
46
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54

6-02.3(25)L2 Lateral Stability and Stress Analysis

Analysis for girder lateral stability and concrete stresses during lifting, storage, shipping and erection shall be in accordance with the PCI Recommended Practice for Lateral Stability of Precast, Prestressed Concrete Bridge Girders, First Edition, Publication CB-02-16-E and the AASHTO LRFD Bridge Design Specifications edition identified in the Contract documents. The following design criteria shall be met:

1. Factor of Safety against cracking shall be at least 1.0
2. Factor of Safety against failure shall be at least 1.5
3. Factor of Safety against rollover shall be at least 1.5

4. Allowable concrete stresses shall be as specified in Section 6-02.3(25)L3

The analysis shall address any effects on girder vertical deflection (camber), "A" dimensions at centerline of bearings and deck screed cambers (C).

Shipping and handling details provided in the Contract documents have been determined using the following analysis assumptions:

1. Girder dimensions, strand locations and lifting embedment locations are within the tolerances specified in Section 6-02.3(25)I
2. Girder horizontal alignment (sweep) is within the tolerance specified in Section 6-02.3(25)J
3. Girder vertical deflection (camber) at midspan is less than or equal to the value shown in the Plans for shipping
4. Minimum concrete compressive strength at release (f'_{ci}) has been reached before initial lifting from casting bed. Minimum concrete compressive strength at 28 days (f'_c) has been reached before shipping.
5. Height of girder bottom above roadway at shipping supports is less than or equal to 72 inches
6. Height of shipping support roll center above roadway is 24 inches, ± 2 inches
7. Shipping support longitudinal placement (L_1 and L_2) tolerance is ± 6 inches
8. Shipping support lateral placement tolerance is ± 1 inches
9. Shipping supports provide the minimum shipping support rotational spring constant (K_θ) and minimum shipping support center-to-center wheel spacings (W_{cc}) shown in the Plans
10. For shipping at highway speeds a $\pm 20\%$ dynamic load allowance (impact) is included with a typical roadway superelevation of 2%
11. For turning at slow speeds, no dynamic load allowance (impact) is included with a maximum roadway superelevation of 6%
12. Wind, centrifugal and seismic forces are not considered

6-02.3(25)L3 Allowable Stresses

Prestressed concrete girder stresses shall be limited to the following values at all stages of construction and in service:

| Condition | Stress | Location | Allowable Stress (ksi) |
|---|---------|--|---|
| Temporary Stress at Transfer and Lifting from Casting Bed | Tensile | In areas without bonded reinforcement sufficient to resist the tensile force in the concrete | $0.0948\lambda \sqrt{f'_{ci}} \leq 0.2$ |
| | | In areas with bonded reinforcement sufficient to resist the tensile force | $0.24\lambda \sqrt{f'_{ci}}$ |

| | | | |
|---|-------------|--|-------------------------------------|
| | | in the concrete | |
| | Compressive | All locations | $0.65f'_{ci}$ |
| Temporary Stress at Shipping and Erection | Tensile | In areas without bonded reinforcement sufficient to resist the tensile force in the concrete | $0.0948\lambda\sqrt{f'_c} \leq 0.2$ |
| | | In areas with bonded reinforcement sufficient to resist the tensile force in the concrete | $0.19\lambda\sqrt{f'_c}$ |
| | | In areas with bonded reinforcement sufficient to resist the tensile force in the concrete when shipping at 6% superelevation, without impact | $0.24\lambda\sqrt{f'_c}$ |
| | Compressive | All locations | $0.65f'_c$ |
| Final Stresses at Service Load | Tensile | Precompressed tensile zone | 0.0 |
| | Compressive | Effective prestress and permanent loads | $0.45f'_c$ |
| | | Effective prestress, permanent loads and transient (live) loads | $0.60f'_c$ |
| Final Stresses at Fatigue Load | Compressive | Fatigue I Load Combination plus one-half effective prestress and permanent loads | $0.40f'_c$ |

Variables are as defined in the AASHTO LRFD Bridge Design Specifications.

6-02.3(25)M Shipping

The last four paragraphs are deleted and replaced with the following:

Girder lateral stability and stresses during shipping shall be in accordance with Section 6-02.3(25)L1.

If the Contractor elects to assemble spliced prestressed concrete girders into shipping configurations not shown in the Contract documents, the Contractor shall submit a Type 2E Working Drawing analyzing girder lateral stability and concrete stresses in accordance with Section 6-02.3(25)L2 before shipping.

6-02.3(25)N Prestressed Concrete Girder Erection

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

The erection plan shall conform to Section 6-02.3(25)L1.

The last paragraph is revised to read:

1 Stop plates and dowel bars for prestressed concrete girders shall be set with either epoxy grout
2 conforming to Section 9-26.3 or type IV epoxy bonding agent conforming to Section 9-26.1.
3

4 **6-02.3(25)O Girder to Girder Connections**

5 The second paragraph is revised to read:

6
7 Prestressed concrete girders shall be constructed in the following sequence:

- 8
9 1. If required, deflections shall be equalized in accordance with the Contractor's equalization
10 plan.
11
- 12 2. Any intermediate diaphragms shall be placed and any weld ties shall be welded in
13 accordance with Section 6-03.3(25). Welding ground shall be attached directly to the
14 steel plates being welded when welding the weld-ties.
15
- 16 3. Any keyways between adjacent girders shown in the Plans to receive grout shall be filled
17 flush with the surrounding surfaces using a grout conforming to Section 9-20.3(2).
18
- 19 4. Equalization equipment shall not be removed and other construction equipment shall not
20 be placed on the structure until intermediate diaphragms and keyway grout have attained
21 a minimum compressive strength of 2,500 psi.
22

23 **6-02.3(26)D2 Test Block Dimensions**

24 The first sentence is revised to read:

25
26 The dimensions of the test block perpendicular to the tendon in each direction shall be the smaller
27 of twice the minimum edge distance or the minimum spacing specified by the special anchorage
28 device manufacturer, with the stipulation that the concrete cover over any confining reinforcing
29 steel or supplementary skin reinforcement shall be appropriate for the project-specific application
30 and circumstances.
31

32 **6-02.3(26)E2 Ducts for External Exposed Installation**

33 In the first paragraph, "ASTM D3350" is revised to read "ASTM D3035".

34
35 In the fourth paragraph, "ASTM D3505" is revised to read "ASTM D3035".
36

37 **6-02.3(26)G Tensioning**

38 Item number 1 of the second paragraph is revised to read:

- 39
40 1. All concrete has reached a compressive strength of at least 4,000 psi or the strength specified
41 in the Plans. When tensioning takes place prior to 28-day compressive strength testing on
42 concrete sampled in accordance with Section 6-02.3(25)H, compressive strength shall be
43 verified on field cured cylinders in accordance with the FOP for AASHTO T23.
44

45 **6-02.3(27)A Use of Self-Consolidating Concrete for Precast Units**

46 Item number 2 of the first paragraph is revised to read:

- 47
48 2. Precast reinforced concrete three-sided structures, box culverts and split box culverts in
49 accordance with Section 7-02.3(6).
50

51 **Section 6-03, Steel Structures**

52 January 3, 2017

1 **6-03.3(33) Bolted Connections**

2 In this section, "AASHTO M253" is revised to read "ASTM F3125 Grade A490", "ASTM F1852" is
3 revised to read "ASTM F3125 Grade F1852", and "ASTM A325" is revised to read "ASTM F3125 Grade
4 A325".

5
6 In the headings of Table 3, "A 325" is revised to read "ASTM F3125 Grade A325".

7
8 In the headings of Table 3, "M 253" is revised to read "ASTM F3125 Grade A490".

9
10 **6-05.AP6**

11 **Section 6-05, Piling**

12
13 August 1, 2016

14 In this section, the words "capacity" and "capacities" are replaced with "resistance" and "resistances",
15 respectively.

16
17 **6-05.3(1) Piling Terms**

18 The third paragraph is revised to read:

19
20 **Overdriving** – Over-driving of piles occurs when the ultimate bearing resistance calculated from
21 the equation in Section 6-05.3(12), or the wave equation driving criteria if applicable, exceeds the
22 ultimate bearing resistance required in the Contract in order to reach the minimum tip elevation
23 specified in the Contract, or as required by the Engineer.

24
25 The first sentence of the last paragraph is revised to read:

26
27 **Minimum Tip Elevation** – The minimum tip elevation is the elevation to which the pile tip shall be
28 driven.

29
30 **6-05.3(3)A Casting and Stressing**

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

32
33 If the corrective action is not acceptable to the Engineer, the piling(s) will be subject to rejection by
34 the Engineer.

35
36 **6-05.3(5) Manufacture of Steel Piles**

37 This section is supplemented with the following new paragraph:

38
39 At least 14-days prior to the start of production of the piling, the Contractor shall advise the
40 Engineer of the production schedule. The Contractor shall give the Inspector safe and free access
41 to the Work. If the Inspector observes any nonspecification Work or unacceptable quality control
42 practices, the Inspector will advise the plant manager. If the corrective action is not acceptable to
43 the Engineer, the piling(s) will be subject to rejection by the Engineer.

44
45 **6-05.3(9)A Pile Driving Equipment Approval**

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

47
48 The Contractor shall submit Type 2E Working Drawings consisting of a wave equation analysis for
49 all pile driving systems used to drive piling with required maximum driving resistances of greater
50 than 300 tons.

1 **Section 6-07, Painting**

2 April 3, 2017

3 **6-07.3(10)A Containment**

4 The first sentence of the fourth paragraph is replaced with the following two new sentences:

5
6 The containment system shall ensure no discharge into waters of the state. When there is no
7 threat of discharging to the waters of the state, emissions shall not exceed the Level 2 Emissions
8 standard in SSPC Technology Guide No. 6, Section 5.5, and assessed by Method A, Visible
9 Emissions.

10
11 **6-07.3(10)F Collecting, Testing, and Disposal of Containment Waste**

12 The third, fourth and fifth paragraphs are deleted and replaced with the following two new paragraphs:

13
14 Containment waste is defined as all paint chips and debris removed from the steel surface and all
15 abrasive blast media, as contained by the containment system. After all waste from the
16 containment system has been collected, the Contractor shall collect representative samples of the
17 components that field screening indicates are lead-contaminated material. The Contractor shall
18 collect at least one representative sample from each container. The Contractor may choose to
19 collect a composite sample of each container, but the composite sample must consist of several
20 collection points (a minimum of 3 random samples) that are representative of the entire contents of
21 the container and representative of the characteristics of the type of waste in the container. In
22 accordance with WAC 173-303-040, a representative sample means "a sample which can be
23 expected to exhibit the average properties of the sample source."

24
25 The debris shall be tested for metals using the Toxicity Characteristics Leaching Procedure (TCLP)
26 and EPA Methods 1311 and 6010. At a minimum, the materials should be analyzed for the
27 Resource Conservation and Recovery Act (RCRA) 8 Metals (arsenic, barium, cadmium, chromium,
28 lead, mercury, selenium, and silver). Pursuant to the Dangerous Waste (DW) Regulations Chapter
29 173-303-90(8)(c) WAC, "Any waste that contains contaminants which occur at concentrations at or
30 above the DW threshold must be designated as DW." All material within each individual container
31 or containment system that designates as DW shall be disposed of at a legally permitted Subtitle C
32 Hazardous Waste Landfill. All material within each individual container or containment system that
33 designate below the DW threshold, will be designated as "Solid Waste" and shall be disposed of at
34 a legally permitted Subtitle D Landfill. Disposal shall be in accordance with WAC 173-303 for
35 waste designated "Dangerous Waste" and pursuant to WAC 173-350 for waste designated as
36 "Solid Waste".

37
38 **Section 6-08, Waterproofing**

39 January 3, 2017

40 This section and all subsections, including title, is revised to read:

41
42 **6-08 Bituminous Surfacing on Structure Decks**

43 **6-08.1 Description**

44 This Work consists of removing and placing Hot Mix Asphalt (HMA) or Bituminous Surface
45 Treatment (BST) directly on or over a Structure. This Work also includes performing concrete
46 bridge deck repair, applying waterproofing membrane, and sealing paving joints.

47
48 **6-08.2 Materials**

49 Materials shall meet the requirements of the following sections:

50 Bituminous Surface Treatment 5-02.2

| | | |
|---|------------------------------------|------------|
| 1 | Hot Mix Asphalt | 5-04.2 |
| 2 | Joint Sealants | 9-04.2 |
| 3 | Closed Cell Foam Backer Rod | 9-04.2(3)A |
| 4 | Waterproofing Membrane (Deck Seal) | 9-11 |
| 5 | Bridge Deck Repair Material | 9-20.5 |

6-08.3 Construction Requirements

6-08.3(1) Definitions

Adjusted Removal Depth – the Bituminous Pavement removal depth specified by the Engineer to supersede the Design Removal Depth after review of the Contractor survey of the existing Bituminous Pavement grade profile.

Bituminous Pavement – the surfacing material containing an asphalt binder.

Design Removal Depth – the value shown in the "pavement schedule" or elsewhere in the Plans to indicate the design thickness of Bituminous Pavement to be removed.

Final Grade Profile – the compacted finished grade surface of completed Bituminous Pavement surfacing consisting of a vertical profile and superelevation cross-slope, developed by the Engineer for Grade Controlled Structure Decks based on the Contractor survey.

Grade Controlled – a Structure Deck requiring restriction of Bituminous Pavement work, including restriction of pavement removal methods and restriction of overlay pavement thicknesses.

Structure Deck – the bridge deck (concrete or timber), bridge approach slab, top of concrete box culvert, or other concrete surfaces over or upon which existing Bituminous Pavement is removed and new Bituminous Pavement is applied.

6-08.3(2) Contractor Survey for Grade Controlled Structure Decks

Prior to removing existing Bituminous Pavement from a Grade Controlled Structure Deck, the Contractor shall complete a survey of the existing surface for use in establishing the existing cross section and grade profile elevations. When removal of Bituminous Pavement is to be achieved by rotary milling/planing, the Contractor's survey shall also include the depths of the existing surfacing at each survey point.

The Contractor is responsible for all calculations, surveying, installation of control points, and measuring required for setting, maintaining and resetting equipment and materials necessary for the construction of the overlay to the Final Grade Profile.

6-08.3(2)A Survey Requirements

The Contractor shall establish at least two primary survey control points for controlling actual Bituminous Pavement removal depth and the Final Grade Profile. Horizontal control shall be by station and offset which shall be tied to either the Roadway centerline or the Structure centerline. Vertical control may be an assumed datum established by the Contractor.

Primary control points shall be described by station or milepost and offset on the baseline selected by the Contractor. The Contractor may expand the survey control information to include secondary horizontal and vertical control points as needed for the project.

1 Survey information collected shall include station or milepost, offset, and elevation for
2 each lane line and curb line. Survey information shall be collected at even 20 foot
3 station intervals, and along the centerline of each bridge expansion joint. The survey
4 shall extend 300'-0" beyond the bridge back of pavement seat or end of Structure
5 Deck. The survey information shall include the top of Bituminous Pavement elevation
6 and, when rotary milling/planing equipment is used, the corresponding depth of
7 Bituminous Pavement to the Structure Deck. The Contractor shall ensure a
8 surveying accuracy to within ± 0.01 feet for vertical control and ± 0.2 feet for
9 horizontal control.

10
11 Voids in HMA created by the Contractor's Bituminous Pavement depth
12 measurements shall be filled by material conforming to Section 9-20 or another
13 material acceptable to the Engineer.

14 15 **6-08.3(2)B Survey Submittal**

16 The Contractor's survey records shall include descriptions of all survey control points
17 including station/milepost, offset, and elevations of all secondary control points. The
18 Contractor shall maintain survey records of sufficient detail to allow the survey to be
19 reproduced. The Contractor shall submit a Type 2 Working Drawing consisting of the
20 compiled survey records and information. Survey data shall be submitted as an
21 electronic file in Microsoft Excel format.

22 23 **6-08.3(2)C Final Grade Profile and Adjusted Removal Depth**

24 Based on the results of the survey, the Engineer may develop a Final Grade Profile
25 and Adjusted Removal Depth. If they are developed, the Final Grade Profile and
26 Adjusted Removal Depth will be provided to the Contractor within three working days
27 after receiving the Contractor's survey information. When provided, the Adjusted
28 Removal Depth supersedes the Design Removal Depth to become the Bituminous
29 Pavement removal depth for that Structure Deck.

30 31 **6-08.3(3) General Bituminous Pavement Removal Requirements**

32 The Contractor shall remove Bituminous Pavement and associated deck repair material
33 from Structure Decks to the horizontal limits shown in the Plans and to either the
34 specified or adjusted Bituminous Pavement removal depth as applicable.

35
36 Removal of Bituminous Pavement within 12-inches of existing permanent features that
37 limit the reach of the machine or the edge of the following items shall be by hand or by
38 hand operated (nominal 30-pounds class) power tools: existing bridge expansion joint
39 headers; steel expansion joint assemblies; concrete butt joints between back of pavement
40 seats and bridge approach slabs, bridge drain assemblies; three beam post steel
41 anchorage assemblies fastened to the side or top of the Structure Deck.

42
43 When removing Bituminous Pavement with a planer, Section 5-04.3(14) shall apply. If the
44 planer contacts the Structure Deck in excess of the specified planing depth tolerance, or
45 contacts steel reinforcing bars at any time, the Contractor shall immediately cease
46 planing operations and notify the Engineer. Planing operations shall not resume until
47 completion of the appropriate adjustments to the planing machine and receiving the
48 Engineer's concurrence to resume.

49 50 **6-08.3(4) Partial Depth Removal of Bituminous Pavement from Structure Decks**

51 The depth of surfacing removal, as measured to the bottom of the lowest milling groove
52 generated by the rotary milling/planing machine shall be +0.01, -0.02-feet of the specified
53 or Adjusted Removal Depth as applicable.

1 **6-08.3(5) Full Depth Removal of Bituminous Pavement from Structure Decks**

2 **6-08.3(5)A Method of Removal**

3 The Contractor shall perform full depth removal by a method that does not damage
4 or remove the Structure Deck in excess of the specified Bituminous Pavement
5 removal tolerance. The Contractor shall submit a Type 2 Working Drawing
6 consisting of the proposed methods and equipment to be used for full depth removal.

7
8 **6-08.3(5)B Planer Requirements for Full Depth Removal**

9 The final planed surface shall have a finished surface with a tolerance of +0.01, -0.02
10 feet within the planed surface profile, as measured from a 10-foot straight edge.
11 Multiple passes of planing to achieve smoothness will not be allowed.

12
13 In addition to Section 6-08.3(3), the planing equipment shall conform to the following
14 additional requirements:

- 15
- 16 1. The cutting tooth spacing on the rotary milling head shall be less than or
17 equal to $\frac{1}{4}$ inch.
 - 18
19 2. The rotary milling/planing machine shall have cutting teeth that leave a
20 uniform plane surface at all times. All teeth on the mill head shall be kept at
21 a maximum differential tolerance of $\frac{3}{8}$ -inch between the shortest and
22 longest tooth, as measured by a straight edge placed the full width of the
23 rotary milling head.
 - 24
25 3. Cutting tips shall be replaced when 30 percent of the total length of the
26 cutting tip material remains.

27
28 Prior to each day's Bituminous Pavement removal operations, the Contractor shall
29 confirm to the satisfaction of the Engineer that the rotary head cutting teeth are within
30 the specified tolerances.

31
32 **6-08.3(5)C Structure Deck Cleanup after Bituminous Pavement Removal**

33 Waterproofing membrane that is loose or otherwise not firmly bonded to the Structure
34 Deck shall be removed as an incidental component of the Work of surfacing removal.
35 Existing waterproofing membrane bonded to the Structure Deck need not be
36 removed.

37
38 **6-08.3(6) Repair of Damage due to Bituminous Pavement Removal Operations**

39 All concrete bridge deck, pavement seat, and steel reinforcing bar damage due to the
40 Contractor's surfacing removal operations shall be repaired by the Contractor in
41 accordance with Section 1-07.13, and as specified below.

42
43 Damaged concrete in excess of the specified Bituminous Pavement removal tolerance
44 shall be repaired in accordance with Section 6-08.3(7), with the bridge deck repair
45 material placed to the level of the surrounding bridge deck and parallel to the final grade
46 paving profile.

47
48 Damaged steel reinforcing bar shall be repaired as follows:

- 49
- 50 1. Damage to steel reinforcing bar resulting in a section loss less than 20-percent
51 of the bar with no damage to the surrounding concrete shall be left in place and
52 shall be repaired by removing the concrete to a depth $\frac{3}{4}$ -inches around the top
53 steel reinforcing bar and placing bridge deck repair material accepted by the

1 Engineer to the level of the bridge deck and parallel to the final grade paving
2 profile.

- 3
4 2. Damage to steel reinforcing bar resulting in a section loss of 20-percent or more
5 in one location, bars partially or completely removed from the bridge deck, or
6 where there is a lack of bond to the concrete, shall be repaired by removing the
7 adjacent concrete and splicing a new bar of the same size. Concrete shall be
8 removed to provide a 3/4-inch minimum clearance around the bars. The splice
9 bars shall extend a minimum of 40 bar diameters beyond each end of the
10 damage.

11
12 **6-08.3(7) Concrete Deck Repair**

13 This Work consists of repairing the concrete deck after Bituminous Pavement has been
14 removed.

15
16 **6-08.3(7)A Concrete Deck Preparation**

17 The Contractor, with the Engineer, shall inspect the exposed concrete deck to
18 establish the extent of bridge deck repair in accordance with Section 6-09.3(6),
19 except item 4 in Section 6-09.3(6) does not apply. Areas of Structure Deck left with
20 existing well bonded waterproof membrane after full depth Bituminous Pavement
21 removal are exempt from this inspection requirement.

22
23 All loose and unsound concrete within the repair area shall be removed with
24 jackhammers or chipping hammers no more forceful than the nominal 30 pounds
25 class, or other mechanical means acceptable to the Engineer, and operated at
26 angles less than 45 degrees as measured from the surface of the deck to the tool. If
27 unsound concrete exists around the existing steel reinforcing bars, or if the bond
28 between concrete and steel reinforcing bar is broken, the Contractor shall remove the
29 concrete to provide a 3/4 inch minimum clearance to the bar. The Contractor shall
30 take care to prevent damage to the existing steel reinforcing bars and concrete to
31 remain.

32
33 After removing sufficient concrete to establish the limits of the repair area, the
34 Contractor shall make 3/4 inch deep vertical saw cuts and maintain square edges at
35 the boundaries of the repair area. The exposed steel reinforcing bars and concrete in
36 the repair area shall be abrasive blasted and blown clean just prior to placing the
37 bridge deck repair material.

38
39 **6-08.3(7)B Ultra-Low Viscosity, Two-Part Liquid, Polyurethane-Hybrid Polymer
40 Concrete**

41 The ultra-low viscosity, two-part liquid, polyurethane-hybrid polymer concrete shall be
42 mixed in accordance with the manufacturer's recommendations.

43
44 Aggregate shall conform to the gradation limit requirements recommended by the
45 manufacturer. The aggregate and the ultra-low viscosity, two-part liquid,
46 polyurethane-hybrid polymer concrete shall be applied to the repair areas in
47 accordance with the sequence and procedure recommended by the manufacturer.

48
49 All repairs shall be float finished flush with the surrounding surface within a tolerance
50 of 1/8 inch of a straight edge placed across the full width and breadth of the repair
51 area.
52

1 **6-08.3(7)C Pre-Packaged Cement Based Repair Mortar**

2 The Contractor shall mix the pre-packaged cement based repair mortar using
3 equipment, materials and proportions, batch sizes, and process as recommended by
4 the manufacturer.

5
6 All repairs shall be float finished flush with the surrounding surface within a tolerance
7 of $\frac{1}{8}$ inch of a straight edge placed across the full width and breadth of the repair
8 area.

9
10 **6-08.3(7)D Cure**

11 All bridge deck repair areas shall be cured in accordance with the manufacturer's
12 recommendations and attain a minimum compressive strength of 2,500 psi before
13 allowing vehicular and foot traffic on the repair and placing waterproofing membrane
14 on the bridge deck over the repair.

15
16 **6-08.3(8) Waterproof Membrane for Structure Decks**

17 This work consists of furnishing and placing a waterproof sheet membrane system over a
18 prepared Structure Deck prior to placing an HMA overlay. The waterproof membrane
19 system shall consist of a sheet membrane adhered to the Structure Deck with a primer.

20
21 The Contractor shall comply with all membrane manufacturer's installation
22 recommendations.

23
24 **6-08.3(8)A Structure Deck Preparation**

25 The Structure Deck and ambient air temperatures shall be above 50°F and the
26 Structure Deck shall be surface-dry at the time of the application of the primer and
27 membrane.

28
29 All areas of a Structure Deck that have fresh cast bridge deck concrete less than 28
30 days old (not including bridge deck repair concrete placed in accordance with Section
31 6-08.3(7)) shall cure for a period of time recommended by the membrane
32 manufacturer, or as specified by the Engineer, before application of the membrane.

33
34 The entire Structure Deck and the sides of the curb and expansion joint headers to
35 the height of the HMA overlay shall be free of all foreign material such as dirt, grease,
36 etc. Prior to applying the primer or sheet membrane, all dust and loose material shall
37 be removed from the Structure Deck with compressed air. All surface defects such
38 as spalled areas, cracks, protrusions, holes, sharp edges, ridges, etc., and other
39 surface imperfections greater than $\frac{1}{4}$ inch in width shall be corrected prior to
40 application of the membrane.

41
42 **6-08.3(8)B Applying Primer**

43 The primer shall be applied to the cleaned deck surfaces at the rate according to the
44 procedure recommended by the membrane manufacturer. All surfaces to be covered
45 by the membrane shall be thoroughly and uniformly coated with primer. Structure
46 Deck areas left with existing well bonded waterproof membrane after bituminous
47 surfacing removal shall receive an application of primer in accordance with the
48 membrane manufacturer's recommendations. Precautionary measures shall be taken
49 to ensure that pools and thick layers of primer are not left on the deck surface. The
50 membrane shall not be applied until the primer has cured or volatile material has
51 substantially dissipated, in accordance with the membrane manufacturer's
52 recommendations.

1 The primer and waterproof membrane shall extend from the bridge deck up onto the
2 curb face and expansion joint header face the thickness of the HMA overlay. The
3 membrane shall adhere to the vertical surface.

4 5 **6-08.3(8)C Placing Waterproof Membrane**

6 Membrane application shall begin at the low point on the deck, and continue in a
7 lapped shingle pattern. The overlap shall be a minimum of six inches or greater if
8 recommended by the membrane manufacturer. Membrane seams shall be sealed as
9 recommended by the membrane manufacturer. Hand rollers or similar tools shall be
10 used on the applied membrane to assure firm and uniform contact with the primed
11 Structure surfaces.

12
13 The fabric shall be neatly cut and contoured at all expansion joints and drains. The
14 cuts at bridge drains shall be two right angle cuts made to the inside diameter of the
15 bridge deck drain outlet, after which the corners of the waterproof membrane shall be
16 turned down into the drains and laid in a coating of primer.

17 18 **6-08.3(8)D Membrane Repair and Protection**

19 The waterproof membrane will be visually inspected by the Engineer for uniformity,
20 tears, punctures, bonding, bubbles, wrinkles, voids and other defects. All such
21 deficiencies shall be repaired in accordance with the membrane manufacturer's
22 recommendations prior to placement of the HMA overlay.

23
24 The membrane material shall be protected from damage due to the paving
25 operations in accordance with the membrane manufacturer's recommendations. No
26 traffic or equipment except that required for the actual waterproofing and paving
27 operations will be permitted to travel or rest on the membrane until it is covered by
28 the HMA overlay. The use of windrows is not allowed for laydown of HMA on a
29 membrane.

30
31 Where waterproofing membrane is placed in stages or applied at different times, a
32 strip of temporary paper shall be used to protect the membrane overlap from the
33 HMA hand removal methods.

34 35 **6-08.3(9) Placing Bituminous Pavement on Structure Decks**

36 HMA overlay shall be applied on Grade Controlled Structure Decks using reference lines
37 for vertical control in accordance with Section 5-04.3(3)C.

38
39 The compacted elevation of the HMA overlay on Structure Decks shall be within ± 0.02
40 feet of the specified overlay thickness or Final Grade Profile as applicable. Deviations
41 from the final grade paving profile in excess of the specified tolerance and areas of non-
42 conforming surface smoothness shall be corrected in accordance with Section 5-04.3(13).

43
44 Final grade Roadway transitions to a Structure Deck with Bituminous Pavement shall not
45 exceed a 0.20 percent change in grade in accordance with the bridge deck transition for
46 HMA overlay Standard Plan, unless shown otherwise in the Plans.

47
48 Final grade compacted HMA elevations shall be higher than an adjacent concrete edge
49 by $\frac{1}{4}$ inch \pm $\frac{1}{8}$ inch at all expansion joint headers and concrete butt joints as shown in the
50 concrete to asphalt butt joint details of the bridge paving joint seals Standard Plan. This
51 also applies to steel edges within the limits of the overlay such as bridge drain frames and
52 steel joint riser bars at bridge expansion joints.

1 **6-08.3(9)A Protection of Structure Attachments and Embedments**

2 The Contractor is responsible for protecting all Structure attachments and
3 embedments from the application of BST and HMA.
4

5 Drainage inlets that are to remain open, and expansion joints, shall be cleaned out
6 immediately after paving is completed. Materials passing through expansion joints
7 shall be removed from the bridge within 10 working days.
8

9 All costs incurred by the Contractor in protective measures and clean up shall be
10 included in the unit Contract prices for the associated Bid items of Work.
11

12 **6-08.3(10) HMA Compaction on Structure Decks**

13 Compaction of HMA on Structure Decks shall be in accordance with Section 5-04.3(10).
14

15 Work rejected in accordance with Section 5-04.3(11) shall include the materials, work,
16 and incidentals to repair an existing waterproof membrane damaged by the removal of
17 the rejected work.
18

19 **6-08.3(11) Paved Panel Joint Seals and HMA Sawcut and Seal**

20 Bridge paving joint seals shall be installed in accordance with Section 5-04.3(12)B and
21 the details shown in the Plans and Standard Plans.
22

23 When concrete joints are exposed after removal of Bituminous Pavement, the joints shall
24 be cleaned and sealed in accordance with Section 5-01.3(8) and the paved panel joint
25 seal details of the bridge paving joint seals Standard Plan, including placement of the
26 closed cell backer rod at the base of the cleaned joint. If waterproofing membrane is
27 required, the membrane shall be slack or folded at the concrete joint to allow for Structure
28 movements without stress to the membrane. After placement of the HMA overlay, the
29 second phase of the paved panel joint seal shall be completed by sawing the HMA and
30 sealing the sawn joint in accordance with Section 5-04.3(12)B2.
31

32 **6-08.4 Measurement**

33 Removing existing Bituminous Pavement from Structure Decks will be measured by the
34 square yard of Structure Deck surface area with removed overlay.
35

36 Bridge deck repair will be measured by the square foot surface area of deck concrete
37 removed with the measurement taken at the plane of the top mat of steel reinforcing bars.
38

39 Waterproof membrane will be measured by the square yard surface area of Structure Deck
40 and curb and header surface area covered by membrane.
41

42 **6-08.5 Payment**

43 Payment will be made for each of the following Bid items when they are included in the
44 Proposal:
45

46 "Structure Surveying", lump sum.
47

48 "Removing Existing Overlay From Bridge Deck____", per square yard.
49 The unit Contract price per square yard for "Removing Existing Overlay From Bridge
50 Deck____", shall be full pay for performing the Work as specified for full removal of
51 Bituminous Pavement on Structure Decks, including the removal of existing waterproof
52 membrane and disposing of materials.
53

54 "Bridge Deck Repair Br. No.____", per square foot.

1 The unit Contract price per square foot for "Bridge Deck Repair Br. No. ____" shall be full
2 pay for performing the Work as specified, including removing and disposing of the
3 concrete within the repair area and furnishing, placing, finishing, and curing the repair
4 concrete.

5 "Waterproof Membrane Br. No. ____", per square yard.

6 The unit Contract price per square yard for "Waterproof Membrane Br. No. ____" shall be
7 full pay for performing the Work as specified, including repairing any damaged or
8 defective waterproofing membrane and repair of damaged HMA overlay.
9

10 **Section 6-09, Modified Concrete Overlays**

11
12 April 4, 2016

13 **6-09.3(8)A Quality Assurance for Microsilica Modified and Fly Ash Modified Concrete** 14 **Overlays**

15 The first sentence of the first paragraph is revised to read the following two new sentences:

16
17 The Engineer will perform slump, temperature, and entrained air tests for acceptance in
18 accordance with Section 6-02.3(5)D and as specified in this Section after the Contractor has
19 turned over the concrete for acceptance testing. Concrete samples for testing shall be supplied to
20 the Engineer in accordance with Section 6-02.3(5)E.

21 The last paragraph is deleted.

22 23 **6-09.3(8)B Quality Assurance for Latex Modified Concrete Overlays**

24 The first two paragraphs are deleted and replaced with the following:

25
26 The Engineer will perform slump, temperature, and entrained air tests for acceptance in
27 accordance with Section 6-02.3(5)D and as specified in this Section after the Contractor has
28 turned over the concrete for acceptance testing. The Engineer will perform testing as the concrete
29 is being placed. Samples shall be taken on the first charge through each mobile mixer and every
30 other charge thereafter. The sample shall be taken after the first 2 minutes of continuous mixer
31 operation. Concrete samples for testing shall be supplied to the Engineer in accordance with
32 Section 6-02.3(5)E.
33

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

35
36 Recommendations made by the technical representative on or off the jobsite shall be adhered to
37 by the Contractor.
38

39 **Section 6-10, Concrete Barrier**

40
41 August 1, 2016

42 **6-10.3(5) Temporary Concrete Barrier**

43 This section title is revised to read:

44 **Temporary Barrier**

45
46 The first paragraph is revised to read:

47
48 For temporary barrier, the Contractor may use precast concrete barrier or temporary steel barrier.
49 Temporary concrete barrier shall comply with Standard Plan requirements and cross-sectional
50 dimensions, except that: (1) it may be made in other lengths than those shown in the Standard
51 Plan, and (2) it may have permanent lifting holes no larger than 4 inches in diameter or lifting
52

1 loops. Temporary steel barrier shall be certified that it meets NCHRP 350 or MASH crash test
2 requirements and shall be installed in accordance with the manufacturer's recommendations.
3

4 **6-10.4 Measurement**

5 The first sentence of the second paragraph is revised to read:
6

7 Temporary barrier will be measured by the linear foot along the completed line and slope of the
8 barrier, one time only for each setup of barrier protected area.
9

10 **6-10.5 Payment**

11 The Bid item "Temporary Conc. Barrier", per linear foot, and the paragraph following this Bid item, is
12 revised to read:
13

14 "Temporary Barrier", per linear foot.
15

16 The unit Contract price per linear foot for "Temporary Barrier" shall be full pay for all costs,
17 including furnishing, installing, connecting, anchoring, maintaining, temporary storage, and final
18 removal of the temporary barrier.
19

20 **Section 6-12, Noise Barrier Walls**

21 January 3, 2017

22 **6-12.3(9) Access Doors and Concrete Landing Pads**

23 The first sentence of the last paragraph is revised to read:
24

25 The Contractor shall construct concrete landing pads for each access door location as shown in
26 the Plans.
27

28 **6-12.5 Payment**

29 In the paragraph following the bid item "Noise Barrier Wall Access Door", per each, "concrete landing
30 pad" is revised to read "concrete landing pads".
31

32 **Section 6-14, Geosynthetic Retaining Walls**

33 January 3, 2017

34 **6-14.3(2) Submittals**

35 The first sentence of the first paragraph is revised to read:
36

37 The Contractor shall submit Type 2E Working Drawings consisting of detailed plans for each wall.
38

39 **6-14.5 Payment**

40 The bid item "Concrete Fascia Panel", per square foot, and the paragraph following this bid item are
41 revised to read:
42

43 "Concrete Fascia Panel For Geosynthetic Wall", per square foot.
44

45 All costs in connection with constructing the concrete fascia panels as specified shall be included
46 in the unit Contract price per square foot for "Concrete Fascia Panel For Geosynthetic Wall",
47 including all steel reinforcing bars, premolded joint filler, polyethylene bond breaker strip, joint
48 sealant, PVC pipe for weep holes, exterior surface finish, and pigmented sealer (when specified),
49 constructing and placing the concrete footing, edge beam, anchor beam, anchor rod assembly,
50 and backfill.
51

1 **Section 6-19, Shafts**

2 January 3, 2017

3 **6-19.3 Construction Requirements**

4 This section is supplemented with the following new subsection:

5
6 **6-19.3(10) Engineer's Final Acceptance of Shafts**

7 The Engineer will determine final acceptance of each shaft, based on the nondestructive QA test
8 results and analysis for the tested shafts, and will provide a response to the Contractor within 3
9 working days after receiving the test results and analysis submittal.

10
11 **6-19.3(1)B Nondestructive Testing of Shafts**

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

13
14 **6-19.3(1)B1 Nondestructive Quality Assurance (QA) Testing of Shafts**

15 Unless otherwise specified in the Special Provisions, the Contractor shall perform nondestructive
16 QA testing of shafts, except for those constructed completely in the dry. Either crosshole sonic log
17 (CSL) testing in accordance with ASTM D 6760 or thermal integrity profiling (TIP) testing in
18 accordance with ASTM D 7949 shall be used.

19
20 **6-19.3(1)B2 Nondestructive Quality Verification (QV) Testing of Shafts**

21 The Contracting Agency may perform QV nondestructive testing of shafts that have been QA
22 tested by the Contractor. The Contracting Agency may test up to ten percent of the shafts. The
23 Engineer will identify the shafts selected for QV testing and the testing method the Contracting
24 Agency will use.

25
26 The Contractor shall accommodate the Contracting Agency's nondestructive testing.

27
28 **6-19.3(2) Shaft Construction Submittal**

29 This section is revised to read:

30
31 The shaft construction submittal shall be comprised of the following four components: construction
32 experience; shaft installation narrative; shaft slurry technical assistance; and nondestructive QA
33 testing personnel. The submittals shall be Type 2 Working Drawings, except the shaft slurry
34 technical assistance and nondestructive QA testing personnel submittals shall be Type 1.

35
36 This section is supplemented with the following new subsection:

37
38 **6-19.3(2)D Nondestructive QA Testing Organization and Personnel**

39 The Contractor shall submit the names of the testing organizations, and the names of the
40 personnel who will conduct nondestructive QA testing of shafts. The submittal shall include
41 documentation that the qualifications specified below are satisfied. For TIP testing, the testing
42 organization is the group that performs the data analysis and produces the final report. The testing
43 organizations and the testing personnel shall meet the following minimum qualifications:

- 44
45
46
47
48
49
50
51
52
53
1. The testing organization shall have performed nondestructive tests on a minimum of three deep foundation projects in the last two years.
 2. Personnel conducting the tests for the testing organization shall have a minimum of one year experience in nondestructive testing and interpretation.
 3. The experience requirements for the organization and personnel shall be consistent with the testing methods the Contractor has selected for nondestructive testing of shafts.

- 1 4. Personnel preparing test reports shall be a Professional Engineers, licensed under Title
2 18 RCW, State of Washington, and in accordance with WAC 196-23-020.
3

4 **6-19.3(3) Shaft Excavation**

5 The second paragraph is revised to read:

6
7 Shaft excavation shall not be started until the Contractor has received the Engineer's acceptance
8 for the reinforcing steel centralizers required when the casing is to be pulled during concrete
9 placement.

10
11 This section is supplemented with the following:

12
13 Except as otherwise noted, the Contractor shall not commence subsequent shaft excavations until
14 receiving the Engineer's acceptance of the first shaft, based on the results and analysis of the
15 nondestructive testing for the first shaft. The Contractor may commence subsequent shaft
16 excavations prior to receiving the Engineer's acceptance of the first shaft, provided the following
17 condition is satisfied:

18
19 The Engineer permits continuing with shaft construction based on the Engineer's observations
20 of the construction of the first shaft, including, but not limited to, conformance to the shaft
21 installation narrative in accordance with Section 6-19.3(2)B, and the Engineer's review of
22 Contractor's daily reports and Inspector's daily logs concerning excavation, steel reinforcing
23 bar placement, and concrete placement.

24
25 **6-19.3(5)B Steel Reinforcing Bar Cage Centralizers**

26 This section is supplemented with the following new sentence:

27
28 The Contractor shall furnish and install additional centralizers as required to maintain the specified
29 concrete cover throughout the length of the shaft.

30
31 **6-19.3(5)C Concrete Cover Over Steel Reinforcing Bars**

32 In the table, the second column (including heading) is revised to read:

33

| Minimum Concrete Cover, and Concrete Cover Tolerance, Except at Permanent Slip Casing (Inches) | |
|---|--------|
| | 3, -1½ |
| | 4, -2 |
| | 4, -2 |
| | 6, -3 |

34
35 The following new paragraph is inserted after the table:

36
37 The concrete cover tolerances specified above apply to the concrete cover specified in the Plans,
38 even if it exceeds the minimum concrete cover.

39
40 **6-19.3(6) Access Tubes for Crosshole Sonic Log (CSL) Testing**

41 This section title is revised to read:

42
43 **6-19.3(6) Contractor Furnished Accessories for Nondestructive QA Testing**

44
45 This section is supplemented with the following three new subsections:
46

1 **6-19.3(6)D Shafts Requiring Thermal Wire**

2 The Contractor shall furnish and install thermal wire in all shafts receiving the thermal wire method
3 of TIP testing, except as otherwise noted in Section 6-19.3(1)B1.
4

5 **6-19.3(6)E Thermal Wire and Thermal Access Points (TAPs)**

6 The thermal wire and associated couplers shall be obtained from the source specified in the
7 Special Provisions.
8

9 The Contractor shall securely attach the thermal wire to the interior of the reinforcement cage of
10 the shaft in conformance with the supplier's instructions. At a minimum, one thermal wire shall be
11 furnished and installed for each foot of shaft diameter, rounded to the nearest whole number, as
12 shown in the Plans. The number of thermal wires for shaft diameters specified as "X feet 6 inches"
13 shall be rounded up to the next higher whole number. The thermal wires shall be placed around
14 the shaft, inside the spiral or hoop reinforcement, and tied to the vertical reinforcement with plastic
15 "zip" ties at a maximum spacing of 2-feet. Steel tie wire shall not be used.
16

17 The thermal wire shall be installed in straight alignment and taut, but with enough slack to not be
18 damaged during reinforcing cage lofting. The wires shall be as near to parallel to the vertical axis
19 of the reinforcement cage as possible. The thermal wire shall extend from the bottom of the
20 reinforcement cage to the top of the shaft, with 15-feet of slack wire provided above the top of
21 shaft. Care shall be taken to prevent damaging the thermal wires during reinforcement cage
22 installation and concrete placement operations in the shaft excavation.
23

24 After completing shaft reinforcement cage fabrication at the site and prior to installation of the cage
25 into the shaft excavation, the Contractor shall install and connect thermal access points (TAPs) to
26 the thermal wires. The TAPs shall record data for at least one hour after the cage is placed in the
27 excavation to measure the slurry temperature and enable the steel and slurry temperatures to
28 equilibrate prior to placing concrete in the shaft. The TAPs shall record and store data every 15
29 minutes. The TAPs shall remain active for a minimum of 36 hours.
30

31 Prior to beginning concrete placement the TAPs shall be checked to ensure they are recording
32 data and that the wires have not been damaged. If a TAP unit is not functioning due to a damaged
33 wire, the Contractor shall repair or replace the wire. If a TAP unit fails or a wire breaks after
34 concrete placement has started, the Contractor shall not stop the concrete placement operation to
35 repair the wire.
36

37 **6-19.3(6)F Use of Access Tubes for TIP Testing Under the Thermal Probe Method**

38 The Contractor may use access tubes for TIP testing under the thermal probe method. Access
39 tubes shall be cared for in accordance with Section 6-19.3(6)C. Prior to TIP testing under the
40 thermal probe method, the water in each tube shall be removed, collected, and stored in an
41 insulated container. The access tube shall be blown dry and swabbed to remove residual water.
42 After TIP testing, the collected and stored tube water shall be introduced back into the access
43 tube. New potable water may be used, provided the water temperature is not more than 10°F
44 cooler than the average concrete temperature measured by the probe.
45

46 **6-19.3(6)A Shafts Requiring CSL Access Tubes**

47 This section, including title, is revised to read:
48

49 **6-19.3(6)A Shafts Requiring Access Tubes**

50 The Contractor shall furnish and install access tubes in all shafts receiving CSL testing or the
51 thermal probe method of TIP testing, except as otherwise noted in Section 6-19.3(1)B1.
52

53 **6-19.3(6)B Orientation and Assembly of the CSL Access Tubes**

54 This section's title is revised to read:

1
2 **6-19.3(6)B Orientation and Assembly of the Access Tubes**

3
4 **6-19.3(6)C Care for CSL Access Tubes from Erection through CSL Testing**

5 This section's title is revised to read:

6
7 **6-19.3(6)C Care for Access Tubes from Erection Through Nondestructive QA Testing**

8
9 The second sentence is revised to read:

10
11 The Contractor shall keep all of a shaft's access tubes full of water through the completion of
12 nondestructive QA testing of that shaft.

13
14 **6-19.3(7)A Concrete Class for Shaft Concrete**

15 This section is revised to read:

16
17 Shaft concrete shall be Class 5000P conforming to Section 6-02.

18
19 **6-19.3(7)B Concrete Placement Requirements**

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

21
22 The Section 6-02.3(6) restriction for 5 feet maximum free fall shall not apply to placement of
23 concrete into a shaft.

24
25 **6-19.3(7)I Requirements for Placing Concrete Above the Top of Shaft**

26 This section is revised to read:

27
28 Concrete shall not be placed above the top of shaft (for column splice zones, columns, footings, or
29 shaft caps) until the Contractor receives the Engineer's acceptance of nondestructive QA testing, if
30 performed at that shaft, and acceptance of the shaft.

31
32 **6-19.3(9) Nondestructive Testing of Shafts (Crosshole Sonic Log (CSL) Testing)**

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

34
35 **6-19.3(9) Nondestructive QA Testing of Shafts**

36 The Contractor shall provide nondestructive QA testing and analysis on all shafts with access
37 tubes or thermal wires and TAPs facilitating the testing (See Section 6-19.3(1)B). The testing and
38 analysis shall be performed by the testing organizations identified by the Contractor's submittal in
39 accordance with Section 6-19.3(2)D.

40
41 The Engineer may direct that additional testing be performed at a shaft if anomalies or a soft
42 bottom are detected by the Contractor's testing. If additional testing at a shaft confirms the
43 presence of a defect(s) in the shaft, the testing costs and the delay costs resulting from the
44 additional testing shall be borne by the Contractor in accordance with Section 1-05.6. If the
45 additional testing indicates that the shaft has no defect, the testing costs and the delay costs
46 resulting from the additional testing will be paid by the Contracting Agency in accordance with
47 Section 1-05.6, and, if the shaft construction is on the critical path of the Contractor's schedule, a
48 time extension equal to the delay created by the additional testing will be granted in accordance
49 with Section 1-08.8.

50
51 **6-19.3(9)A Schedule of CSL Testing**

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

1 **6-19.3(9)A TIP Testing Using Thermal Probes or CSL Testing**

2 If selected as the nondestructive QA testing method by the Contractor, TIP testing using thermal
3 probes, or CSL testing shall be performed after the shaft concrete has cured at least 96 hours.
4 Additional curing time prior to testing may be required if the shaft concrete contains admixtures,
5 such as set retarding admixture or water-reducing admixture, added in accordance with Section 6-
6 02.3(3). The additional curing time prior to testing required under these circumstances shall not be
7 grounds for additional compensation or extension of time to the Contractor in accordance with
8 Section 1-08.8.

9
10 **6-19.3(9)B Inspection of CSL Access Tubes**

11 This section's title is revised to read:

12
13 **6-19.3(9)B Inspection of Access Tubes**

14
15 **6-19.3(9)C Engineer's Final Acceptance of Shafts**

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

17
18 **6-19.3(9)C TIP Testing With Thermal Wires and TAPs**

19 If selected as the nondestructive QA testing method by the Contractor, TIP testing with thermal
20 wires and TAPs (See Section 6-19.3(6)E) shall be performed. The TIP testing shall commence at
21 the beginning of the concrete placement operation, recording temperature readings at 15-minute
22 intervals until the peak temperature is captured in the data. Additional curing time may be required
23 if the shaft concrete contains admixtures, such as set retarding admixture or water-reducing
24 admixture, added in accordance with Section 6-02.3(3). The additional curing time required under
25 these circumstances shall not be grounds for additional compensation or extension of time to the
26 Contractor in accordance with Section 1-08.8.

27
28 TIP testing shall be conducted at all shafts in which thermal wires and TAPs have been installed
29 for thermal wire analysis (Section 6-19.3(6)A).

30
31 **6-19.3(9)D Requirements to Continue Shaft Excavation Prior to Acceptance of First
32 Shaft**

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

34
35 **6-19.3(9)D Nondestructive QA Testing Results Submittal**

36 The Contractor shall submit the results and analysis of the nondestructive QA testing for each
37 shaft tested. The Contractor shall submit the test results within three working days of testing.
38 Results shall be a Type 1 Working Drawing presented in a written report.

39
40 TIP reports shall include:

- 41
42 1. A map or plot of the wire/tube location within the shaft and their position relative to a
43 known and identifiable location, such as North.
- 44
45 2. Graphical displays of temperature measurements versus depth of each wire or tube for
46 the analysis time selected, overall average temperature with depth, shaft radius or
47 diameter with depth, concrete cover versus cage position with depth, and effective radius.
- 48
49 3. The report shall identify unusual temperatures, particularly significantly cooler local
50 deviations from the overall average.
- 51
52 4. The report shall identify the location and extent where satisfactory or questionable
53 concrete is identified.
- 54

- 1 a. Satisfactory (S) - 0 to 6% Effective Radius Reduction and Cover Criteria Met
2
3 b. Questionable (Q) - Effective Local Radius Reduction > 6%, Effective Local Average
4 Diameter Reduction > 4%, or Cover Criteria Not Met
5
6 5. Variations in temperature between wire/tubes (at each depth) which in turn correspond to
7 variations in cage alignment.
8
9 6. Where shaft specific construction information is available (e.g. elevations of the top of
10 shaft, bottom of casing, bottom of shaft, etc.), these values shall be noted on all pertinent
11 graphical displays.

12
13 CSL reports shall include:

- 14
15 1. A map or plot of the tube location within the shaft and their position relative to a known
16 and identifiable location, such as North.
17
18 2. Graphical displays of CSL Energy versus Depth and CSL signal arrival time versus depth
19 or velocity versus depth.
20
21 3. The report shall identify the location and extent where good, questionable, and poor
22 concrete is identified, where no signal was received, or where water is present.
23
24 a. Good (G) - No signal distortion and decrease in signal velocity of 10% or less is
25 indicative of good quality concrete.
26
27 b. Questionable (Q) - Minor signal distortion and a lower signal amplitude with a
28 decrease in signal velocity between 10% and 20%.
29
30 c. Poor (P) - Severe signal distortion and much lower signal amplitude with a decrease
31 in signal velocity of 20% or more.
32
33 d. No Signal (NS) - No signal was received.
34
35 e. Water (W) - A measured signal velocity of nominally $V = 4,800$ to $5,000$ fps.

36
37 All QA test reports will provide a recommendation to accept the shaft as-is, recommendation for
38 further review by the Engineer, or will provide a plan for further testing, investigation or repair to
39 address any deficiencies identified by the testing.
40

41 **6-19.3(9)E Additional CSL Testing**

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

43 **6-19.3(9)E Vacant**

44 **6-19.3(9)I Requirements for CSL Access Tubes and Cored Holes After CSL Testing**

45 This section's title is revised to read:

46 **6-19.3(9)I Requirements for Access Tubes and Cored Holes After CSL Testing**

47 **6-19.4 Measurement**

48 This section is revised to read:
49
50
51
52
53

1 Constructing shafts will be measured by the linear foot. The linear foot measurement will be
2 calculated using the top of shaft elevation and the bottom of shaft elevation for each shaft as
3 shown in the Plans.
4

5 Rock excavation for shaft, including haul, will be measured by the linear foot of shaft excavated.
6 The linear feet measurement will be computed using the top of the rock line, defined as the highest
7 bedrock point within the shaft diameter, and the bottom elevation shown in the Plans.
8

9 QA shaft test will be measured once per shaft tested.
10

11 **6-19.5 Payment**

12 This section is revised to read:
13

14 Payment will be made for the following Bid items when they are included in the Proposal:
15

16 "Constructing ___ Diam. Shaft", per linear foot.

17 The unit Contract price per linear foot for "Constructing ___ Diam. Shaft" shall be full pay for
18 performing the Work as specified, including:
19

- 20 1. Soil excavation for shaft, including all costs in connection with furnishing, mixing,
21 placing, maintaining, containing, collecting, and disposing of all mineral, synthetic
22 and water slurry, and disposing of groundwater collected by the excavated shaft.
23
- 24 2. Furnishing and placing temporary shaft casing, including temporary casing in
25 addition to the required casing specified in the Special Provisions, and including all
26 costs in connection with completely removing the casing after completing shaft
27 construction.
28
- 29 3. Furnishing permanent casing for shaft.
30
- 31 4. Placing permanent casing for shaft.
32
- 33 5. Casing shoring, including all costs in connection with furnishing and installing casing
34 shoring above the specified upper limit for casing shoring but necessary to provide
35 for sufficient water head pressure to resist artesian water pressure present in the
36 shaft excavation, removing casing shoring, and placing seals when required.
37
- 38 6. Furnishing and placing steel reinforcing bar and epoxy-coated steel reinforcing bar,
39 including furnishing and installing steel reinforcing bar centralizers.
40
- 41 7. Installation of CSL tubes or thermal wires.
42
- 43 8. Furnishing, placing and curing concrete to the top of shaft or to the construction joint
44 at the base of the shaft-column splice zone as applicable.
45

46 Payment for "Constructing ___ Diam. Shaft" will be made upon Engineer acceptance of the
47 shaft, including completion of satisfactory QA shaft tests as applicable.
48

49 "Rock Excavation For Shaft Including Haul", per linear foot.

50 When rock excavation is encountered, payment for rock excavation is in addition to the unit
51 Contract price per linear foot for "Constructing ___ Diam. Shaft"
52

53 "Shoring Or Extra Excavation Cl. A - ___", lump sum.

1 The lump sum Contract price for "Shoring Or Extra Excavation Cl. A - ____" shall be full pay for
2 performing the Work as specified, including all costs in connection with all excavation outside
3 the limits specified for soil and rock excavation for shaft including haul, all temporary
4 telescoping casings, and all temporary casings beyond the limits of required temporary casing
5 specified in the Special Provisions.

6
7 "QA Shaft Test", per each.

8 The unit Contract price per each for "QA Shaft Test" shall be full pay for performing the Work
9 as specified, including operating all associated accessories necessary to record and process
10 data and develop the summary QA test reports. Section 1-04.6 does not apply to this bid item.

11
12 "Removing Shaft Obstructions", estimated.

13 Payment for removing, breaking-up, or pushing aside shaft obstructions, as defined in Section
14 6-19.3(3)E, will be made for the changes in shaft construction methods necessary to deal with
15 the obstruction. The Contractor and the Engineer shall evaluate the effort made and reach
16 agreement on the equipment and employees utilized, and the number of hours involved for
17 each. Once these cost items and their duration have been agreed upon, the payment amount
18 will be determined using the rate and markup methods specified in Section 1-09.6. For the
19 purpose of providing a common proposal for all Bidders, the Contracting Agency has entered
20 an amount for the item "Removing Shaft Obstructions" in the Bid Proposal to become a part of
21 the total Bid by the Contractor.

22
23 If drilled shaft tools, cutting teeth, casing or Kelly bar is damaged as a result of the obstruction
24 removal work, the Contractor will be compensated for the costs to repair this equipment in
25 accordance with Section 1-09.6.

26
27 If shaft construction equipment is idled as a result of the Work required to deal with the
28 obstruction and cannot be reasonably reassigned within the project, then standby payment for
29 the idled equipment will be added to the payment calculations. If labor is idled as a result of
30 the Work required to deal with the obstruction and cannot be reasonably reassigned within the
31 project, then all labor costs resulting from Contractor labor agreements and established
32 Contractor policies will be added to the payment calculations.

33
34 The Contractor shall perform the amount of obstruction Work estimated by the Contracting
35 Agency within the original time of the Contract. The Engineer will consider a time adjustment
36 and additional compensation for costs related to the extended duration of the shaft
37 construction operations, provided:

- 38
39 1. The dollar amount estimated by the Contracting Agency has been exceeded, and
40
41 2. The Contractor shows that the obstruction removal Work represents a delay to the
42 completion of the project based on the current progress schedule provided in
43 accordance with Section 1-08.3.
44

45
46 **Section 7-02, Culverts**

47 January 3, 2017

48 **7-02.2 Materials**

49 The following three new items are inserted after the item "Aggregate for Portland Cement Concrete:

50

| | |
|--|------------|
| 51 Gravel Backfill for Pipe Zone Bedding | 9-03.12(3) |
| 52 Butyl Rubber Sealant | 9-04.11 |
| 53 External Sealing Band | 9-04.12 |

1
2 The last paragraph is deleted.

3
4 **7-02.3(6) Precast Reinf. Conc. Three Sided Structures, Box Culverts and Split Box**
5 **Culverts**

6 This section is supplemented with the following new paragraph:

7
8 When the Plans include a complete set of design details for a Structure (defining panel shapes and
9 dimensions, concrete strength requirements, and steel reinforcing bar, joint, and connection
10 details), the design and load rating preparation and calculation submittal requirements of Sections
11 7-02.3(6)A1 and 7-02.3(6)A2 do not apply for the components shown in the Plans, but all other
12 requirements of this Section remain in effect. The Contractor may propose alternate concrete
13 culvert designs, accommodating the same rise, span, and length as shown in the Plans, to replace
14 the Structure details shown in the Plans. If an alternate concrete culvert design is proposed, all of
15 the requirements of this Section, including design and load rating preparation and calculation
16 submittal, apply.

17
18 **7-02.3(6)A General**

19 This section is supplemented with the following two new paragraphs:

20
21 Tolerances for PRCTSS shall be as follows:

- 22
23 1. Internal Dimensions – The internal dimension shall not vary more than 1 percent or 2
24 inches, whichever is less, from the Plan dimensions. The haunch dimensions shall not
25 vary more than $\frac{3}{4}$ inch from the Plan dimensions.
26
27 2. Slab and Wall Thickness – The slab and wall thickness shall not be less than that shown
28 in the Plans by more than 5 percent or $\frac{1}{2}$ inch, whichever is greater. A thickness more
29 than that required in the Plans will not be a cause for rejection if proper joining is not
30 affected.
31
32 3. Length of Opposite Surfaces – Variations in lengths of two opposite surfaces of the three-
33 sided section shall not be more than $\frac{3}{4}$ inch unless beveled sections are being used to
34 accommodate a curve in the alignment.
35
36 4. Reinforcing steel placement shall meet the tolerances specified in Section 6-02.3(24)C.

37
38 Tolerances for PRCBC and PRCSBC shall be as follows:

- 39
40 1. Internal Dimensions – The internal dimensions shall not vary more than 1 percent from
41 the Plan dimensions. If haunches are used, the haunch dimensions shall not vary more
42 than $\frac{1}{4}$ inch from the Plan dimensions.
43
44 2. Slab and Wall Thickness – The slab and wall thickness shall not be less than that shown
45 in the Plans by more than 5 percent or $\frac{3}{16}$ inch, whichever is greater. A thickness more
46 than that required in the Plans will not be a cause for rejection.
47
48 3. Length of Opposite Box Segments – Variations in lengths of two opposite surfaces of the
49 box segments shall not be more than $\frac{1}{8}$ inch per foot of internal span, with a maximum of
50 $\frac{5}{8}$ inch for all sizes through 7 feet internal span, and a maximum of $\frac{3}{4}$ inch for internal
51 spans greater than 7 feet, except where beveled sections are being used to
52 accommodate a curve in the alignment.
53

- 1 4. Length of Box Segments – The underrun in length of a segment shall not be more than $\frac{1}{8}$
2 inch per foot of length with a maximum of $\frac{1}{2}$ inch in any box segment.
3
4 5. Length of Legs and Slabs – The variation in length of the legs shall not be more than $\frac{1}{8}$
5 inch per foot of the rise of the leg per leg with a maximum of $\frac{5}{8}$ inches. The differential
6 length between opposing legs of the same segment shall not be more than $\frac{1}{2}$ inch.
7 Length of independent top slab spans shall not vary by more than $\frac{1}{8}$ inch per foot of span
8 of the top slab, with a maximum of $\frac{5}{8}$ inches.
9
10 6. Reinforcing steel placement shall meet the tolerances specified in Section 6-02.3(24)C.

11
12 This section is supplemented with the following new subsection:

13
14 **7-02.3(6)A5 Wingwalls and Retaining Walls**

15 Wingwalls and retaining walls (including cutoff walls and headwalls) shall be constructed in
16 accordance with the Contractor's design and Working Drawing submittal or when the Plans include
17 a complete set of design details for a wall (defining panel shapes and dimensions, concrete
18 strength requirements, and steel reinforcing bar, joint, and connection details), the details shown in
19 the Plans.

20
21 Precast concrete construction shall conform to Sections 6-02.3(28) and 6-11.3(3).

22
23 Culvert bedding material shall be furnished, placed, and compacted in accordance with Section 7-
24 02.3(6)A4.

25
26 **7-02.3(6)A1 Design Criteria**

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

28
29 Whenever the minimum finished backfill or surfacing depth above the top of the Structure is less
30 than 1'-0" (except when the top of the Structure is directly exposed to vehicular traffic), either all
31 steel reinforcing bars in the span unit shall be epoxy-coated with 2" minimum concrete cover from
32 the face of concrete to the face of the top mat of steel reinforcing bars, or the minimum concrete
33 cover shall be 2½".

34
35 The last sentence of the last paragraph is revised to read:

36
37 Concrete cover from the face of any concrete surface to the face of any steel reinforcement shall
38 be 1-inch minimum end clearance at all joints, and 2-inches minimum at all other locations.
39

40 **7-02.3(6)A2 Submittals**

41 The first paragraph is revised to read:

42
43 The Contractor shall submit shop drawings of the precast Structures. Fabrication shop drawings
44 replicating complete design details when shown in the Plans shall be Type 2 Working Drawings.
45 Submittals completing the design based on the schematic geometric requirements shown in the
46 Plans, or proposing a Contractor designed alternative concrete culvert Structure shall be Type 2E
47 Working Drawings with supporting design calculations.
48

49 The last paragraph is revised to read:

50
51 For precast Structures with a span length greater than 20-feet (as defined in Section 7-02.3(6)A1),
52 except when the depth of fill above the top of culvert exceeds the Structure span length, a Type 2E
53 Working Drawing shall be submitted consisting of a load rating report prepared in accordance with
54 the AASHTO Manual for Bridge Evaluation and WSDOT Bridge Design Manual LRFD M 23-50

1 Chapter 13. Soil pressures used shall include effects from the backfill material and compaction
2 methods, and shall be in accordance with the WSDOT Geotechnical Design Manual M 46-03 and
3 the geotechnical report prepared for the project.
4

5 **7-02.3(6)A3 Casting**

6 This section is revised to read:

7
8 Concrete shall conform to Section 6-02.3(28)B, with a 28-day compressive strength as specified in
9 the Plans or the Working Drawings submittal.
10

11 **7-02.3(6)A4 Excavation and Bedding Preparation**

12 The last paragraph is revised to read:

13
14 The upper layer of bedding course shall be a 6-inch minimum thickness layer of culvert bedding
15 material, defined as granular material either conforming to Section 9-03.12(3) or to AASHTO
16 Grading No. 57 as specified in Section 9-03.1(4)C. The plan limits of the culvert bedding material
17 shall extend 1-foot beyond the plan limits of the culvert or the Structure footing as applicable. The
18 culvert bedding material shall be compacted in accordance with the Section 2-09.3(1)E
19 requirements for gravel backfill for drains. After compaction, the culvert bedding material shall be
20 screeded transversely to the specified line and grade. Voids in the screeded culvert bedding
21 material shall be filled and then rescreeded prior to erecting the precast Structure.
22

23 **7-02.3(6)B3 Erection**

24 The last paragraph is revised to read:

25
26 Adjacent precast sections shall be connected by welding the weld-tie anchors in accordance with
27 Section 6-03.3(25). Welding ground shall be attached directly to the steel plates being welded
28 when welding the weld-ties. The weld-tie anchor spacing shall not exceed 6'-0". After connecting
29 the weld-tie anchors, the Contractor shall paint the exposed metal surfaces with one coat of field
30 primer conforming to Section 9-08.1(2)F. Keyways shall be filled with grout conforming to Section
31 9-20.3(2).
32

33 **7-02.3(6)C1 Casting**

34 This section is revised to read:

35
36 PRCSBC shall consist of lid elements and "U" shaped base elements. The vertical legs of the "U"
37 shaped base elements shall be full height matching the rise of the culvert, except as otherwise
38 specified for culvert spans greater than 20-feet. For PRCSBC spans greater than 20-feet (as
39 defined in Section 7-02.3(6)A1), the lid elements may include vertical legs of a maximum length of
40 4-feet.
41

42 All vertical and horizontal joints of PRCBC and PRCSBC elements shall be tongue and groove
43 type joints, except PRCBC and PRCSBC of 20-foot span or less may have keyway joints
44 connected by weld-tie anchors in accordance with Section 6-02.3(25)O. The weld-tie anchor
45 spacing shall not exceed 6'-0". There shall be at least two galvanized steel tie plates across each
46 top unit tongue and groove joint and each tongue and groove joint between upper and lower units,
47 unless otherwise shown in the Plans or required by the seismic designed completed in accordance
48 with Section 7-02.3(6)A1.
49

50 **7-02.3(6)C3 Erection**

51 This section is revised to read:
52

1 PRCBC and PRCSBC shall be erected and backfilled in accordance with the erection sequence
2 specified in the Working Drawing submittal, and the construction equipment restrictions specified in
3 Section 6-02.3(25)O.

4
5 The Contractor shall install a continuous strip of butyl rubber sealant within all tongue and groove
6 joints prior to connecting the precast elements together. The butyl rubber sealant shall have a
7 minimum cross section of 1/2-inch by 1 1/2-inch, unless otherwise shown in the Plans.

8
9 After connecting the joints with weld-tie anchors, the Contractor shall paint the exposed metal
10 surfaces with one coat of field primer conforming to Section 9-08.1(2)F. Keyways shall be filled
11 with grout conforming to Section 9-20.3(2).

12
13 The Contractor shall wrap all exterior joints along the top and sides of the PRCBC and PRCSBC
14 with a 12-inch wide strip of external sealing band centered about the joint and adhesively bonded
15 to the concrete surface.

16
17 Backfill beside the PRCBC and PRCSBC shall be brought up in sequential layers, compacted
18 concurrently. The difference in backfill height on opposing sides of the Structure shall not exceed
19 2-feet.

20 21 **7-02.4 Measurement**

22 This section is supplemented with the following:

23
24 Culvert bedding material will be measured by the cubic yard of material placed.

25 26 **7-02.5 Payment**

27 This section is supplemented with the following:

28
29 "Culvert Bedding Material", per cubic yard.

30 31 **Section 7-08, General Pipe Installation Requirements**

32 January 3, 2017

33 **7-08.3(1)A Trenches**

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

35
36 The embankment material shall be compacted to 95 percent of maximum density and the moisture
37 content at the time of compaction shall be between optimum and 3 percentage points below
38 optimum as determined by the Compaction Control Tests specified in Section 2-03.3(14)D.

39 40 **Section 8-01, Erosion Control and Water Pollution Control**

41 August 1, 2016

42 **8-01.2 Materials**

43 This section is supplemented with the following new paragraph:

44
45 Recycled concrete, in any form, shall not be used for any Work defined in Section 8-01.

46 47 **8-01.3(7) Stabilized Construction Entrance**

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

49
50 Material used for stabilized construction entrance shall be free of extraneous materials that may
51 cause or contribute to track out.

1
2 **8-01.3(8) Street Cleaning**

3 This section is revised to read:

4
5 Self-propelled street sweepers shall be used to remove and collect sediment and other debris from
6 the Roadway, whenever required by the Engineer. The street sweeper shall effectively collect
7 these materials and prevent them from being washed or blown off the Roadway or into waters of
8 the State. Street sweepers shall not generate fugitive dust and shall be designed and operated in
9 compliance with applicable air quality standards.

10
11 Material collected by the street sweeper shall be disposed of in accordance with Section 2-
12 03.3(7)C.

13
14 Street washing with water will require the concurrence of the Engineer.

15
16 **Section 8-09, Raised Pavement Markers**

17 January 3, 2017

18 **8-09.5 Payment**

19 In the last paragraph, "flaggers and spotters" is revised to read "flaggers".

20
21 **Section 8-10, Guide Posts**

22 January 4, 2016

23 **8-10.3 Construction Requirements**

24 The last sentence of the second paragraph is deleted.

25
26 **Section 8-11, Guardrail**

27 January 17, 2017

28 **8-11.3(1)C Terminal and Anchor Installation**

29 This section is supplemented with the following new paragraph:

30
31 Beam Guardrail Non-flared Terminals for Type 1 guardrail shall meet the crash test and evaluation
32 criteria of NCHRP 350 or the Manual for Assessing Safety Hardware (MASH). Beam Guardrail
33 Non-flared Terminals for Type 31 guardrail shall meet the crash test and evaluation criteria of
34 MASH.

35
36 **8-11.3(1)F Removing and Resetting Beam Guardrail**

37 The last sentence of the first paragraph is deleted.

38
39 **8-11.5 Payment**

40 The paragraph following the Bid item "Removing and Resetting Beam Guardrail", per linear foot is
41 revised to read:

42
43 The unit Contract price per linear foot for "Removing and Resetting Beam Guardrail" shall be full
44 payment for all costs to perform the Work as described in Section 8-11.3(1)F, except for
45 replacement posts and blocks.

46
47 The paragraph following the Bid item "Raising Existing Beam Guardrail", per linear foot is revised to
48 read:

1 The unit Contract price per linear foot for "Raising Existing Beam Guardrail" shall be full payment
2 for all costs to perform the Work as described in Section 8-11.3(1)E, except for replacement posts
3 and blocks.
4

5 **Section 8-20, Illumination, Traffic Signal Systems, Intelligent Transportation Systems, 6 and Electrical**

7 January 3, 2017

8 **8-20.1(1) Regulations and Code**

9 The second paragraph is revised to read:

10
11 Wherever reference is made in these Specifications or in the Special Provisions to the Code, the
12 rules, or the standards mentioned above, the reference shall be construed to mean the code, rule,
13 or standard that is in effect on the Bid advertisement date.
14

15 **8-20.3(5)A General**

16 The last paragraph is revised to read:

17
18 Immediately after the sizing mandrel has been pulled through, install an equipment grounding
19 conductor if applicable (see Section 8-20.3(9)) and any new or existing wire or cable as specified
20 in the Plans. Where conduit is installed for future use, install a 200-pound minimum tensile
21 strength pull string with the equipment grounding conductor. The pull string shall be attached to
22 duct plugs or caps at both ends of the conduit.
23

24 **8-20.3(5)A1 Fiber Optic Conduit**

25 The last paragraph is deleted.
26

27 **8-20.3(5)B Conduit Type**

28 The second and third paragraphs are deleted and replaced with the following new paragraph:

29
30 PVC and HDPE conduits shall be Schedule 80 unless installed as innerduct.
31

32 **8-20.3(5)D Conduit Placement**

33 Item number 2 is revised to read:

- 34
35 2. 24-inches below the top of the untreated surfacing on a Roadbed.
36

37 **8-20.3(9) Bonding, Grounding**

38 The following two new paragraphs are inserted after the first paragraph:

39
40 Install an equipment grounding conductor in all new conduit, whether or not the equipment
41 grounding conductor is called for in the wire schedule.
42

43 For each new conduit with innerduct install an equipment grounding conductor in only one of the
44 innerducts unless otherwise required by the NEC or the Plans.
45

46 The fourth paragraph (after the preceding Amendments are applied) is revised to read:

47
48 Bonding jumpers and equipment grounding conductors meeting the requirements of Section 9-
49 29.3(2)A3 shall be minimum #8 AWG, installed in accordance with the NEC. Where existing
50 conduits are used for the installation of new circuits, an equipment grounding conductor shall be
51 installed unless an existing equipment ground conductor, which is appropriate for the largest
52 circuit, is already present in the existing raceway. The equipment ground conductor between the

1 isolation switch and the sign lighter fixtures shall be minimum #14 AWG stranded copper
2 conductor. Where parallel circuits are enclosed in a common conduit, the equipment-grounding
3 conductor shall be sized by the largest overcurrent device serving any circuit contained within the
4 conduit.

5
6 The second sentence of the fifth paragraph (after the preceding Amendments are applied) is revised to
7 read:

8
9 A non-insulated stranded copper conductor, minimum #8 AWG with a full circle crimp on
10 connector (crimped with a manufacturer recommended crimper) shall be connected to the junction
11 box frame or frame bonding stud, the other end shall be crimped to the equipment bonding
12 conductor, using a "C" type crimp connector.

13
14 The last two sentences of the sixth paragraph (after the preceding Amendments are applied) are
15 revised to read:

16
17 For light standards, signal standards, cantilever and sign bridge Structures the supplemental
18 grounding conductor shall be #4 AWG non-insulated stranded copper conductor. For steel sign
19 posts which support signs with sign lighting or flashing beacons the supplemental grounding
20 conductor shall be #6 AWG non insulated stranded copper conductor.

21
22 The fourth to last paragraph is revised to read:

23
24 Install a two grounding electrode system at each service entrance point, at each electrical service
25 installation and at each separately derived power source. The service entrance grounding
26 electrode system shall conform to the "Service Ground" detail in the Standard Plans. If soil
27 conditions make vertical grounding electrode installation impossible an alternate installation
28 procedure as described in the NEC may be used. Maintain a minimum of 6 feet of separation
29 between any two grounding electrodes within the grounding system. Grounding electrodes shall be
30 bonded copper, ferrous core materials and shall be solid rods not less than 10 feet in length if they
31 are 1/2 inch in diameter or not less than 8 feet in length if they are 3/4 inch or larger in diameter.

32 33 **8-20.3(13)A Light Standards**

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

35
36 All new and relocated metal light standards shall be numbered for identification using painted 4
37 inch block gothic letters (similar to series C highway lettering) and numbers installed 3 feet above
38 the base facing the Traveled Way.

39
40 The numbered list in the second to last paragraph is deleted and replaced with the following:

41
42 NN
43 CC-SSSS
44 VVV

45
46 Where:

- 47 NN – Is the pole number as identified in the Plans. May be one or more characters.
48 CC – Is the circuit letter as identified in the Plans. May be one or more characters.
49 SSSS – Is the service cabinet number as identified in the Plans. Do not include the two or three
50 letter prefix. Up to four digits - do not include leading zeros.
51 VVV – Is the operating voltage of the luminaire. Always three digits.

52 53 **8-20.3(13)C Luminaires**

54 The first paragraph is revised to read:

1
2 The Contractor shall mark the installation date on the inside of the luminaire ballast or driver
3 housing using a permanent marking pen.
4

5 **Section 8-22, Pavement Marking**

6 January 4, 2016

7 **8-22.4 Measurement**

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

9
10 The measurement for "Painted Wide Lane Line", "Plastic Wide Lane Line", "Profiled Plastic Wide
11 Lane Line", "Painted Barrier Center Line", "Plastic Barrier Center Line", "Painted Stop Line",
12 "Plastic Stop Line", "Painted Wide Dotted Entry Line", or "Plastic Wide Dotted Entry Line" will be
13 based on the total length of each painted, plastic or profiled plastic line installed. No deduction will
14 be made for the unmarked area when the marking includes a broken line such as, wide broken
15 lane line, drop lane line, wide dotted lane line or wide dotted entry line.
16

17 **8-22.5 Payment**

18 The following two new Bid items are inserted after the Bid item "Plastic Crosshatch Marking", per linear
19 foot:

20
21 "Painted Wide Dotted Entry Line", per linear foot.

22
23 "Plastic Wide Dotted Entry Line", per linear foot.
24

25 **Section 9-01, Portland Cement**

26 January 3, 2017

27 This section's title is revised to read:

28 **Cement**

29 30 **9-01.1 Types of Cement**

31 This section is revised to read:

32
33
34 Cement shall be classified as portland cement, blended hydraulic cement, or rapid hardening
35 hydraulic cement.
36

37 **9-01.2(2) Vacant**

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

39 40 **9-01.2(2) Rapid Hardening Hydraulic Cement**

41 Rapid hardening hydraulic cement shall meet the requirements of ASTM C 1600.
42

43 **9-01.2(3) Low Alkali Cement**

44 This section is renumbered as follows:

45 46 **9-01.2(1)A Low Alkali Cement**

47 **9-01.2(4) Blended Hydraulic Cement**

48 This section is renumbered as follows:
49
50

1 **9-01.2(1)B Blended Hydraulic Cement**

2
3 In the first paragraph, the last two sentences of item number 3 are revised to read:

4
5 Separate testing of each source of fly ash at each proposed replacement level shall be conducted
6 in accordance with ASTM C1012 at the storage temperature prescribed in Section 9.3 of the test
7 procedure. Expansion at 180 days shall be 0.10 percent or less.

8
9 In the first paragraph, the last two sentences of item number 4 are revised to read:

10
11 Separate testing of each source of slag at each proposed replacement level shall be conducted in
12 accordance with ASTM C1012 at the storage temperature prescribed in Section 9.3 of the test
13 procedure. Expansion at 180 days shall be 0.10 percent or less.

14
15 In the first paragraph, the last two sentences of item number 5 are revised to read:

16
17 Separate testing of each source of fly ash or slag at each proposed replacement level shall be
18 conducted in accordance with ASTM C1012 at the storage temperature prescribed in Section 9.3
19 of the test procedure. Expansion at 180 days shall be 0.10 percent or less.

20
21 **9-01.3 Tests and Acceptance**

22 The second paragraph is revised to read:

23
24 Cement producers/suppliers that certify portland cement or blended hydraulic cement shall
25 participate in the Cement Acceptance Program as described in WSDOT Standard Practice QC 1.
26 Rapid hardening hydraulic cement producers/suppliers are not required to participate in WSDOT
27 Standard Practice QC 1.

28
29 **Section 9-03, Aggregates**

30 January 3, 2017

31 **9-03.1(1) General Requirements**

32 In this section, each reference to "Section 9-01.2(3)" is revised to read "Section 9-01.2(1)A".

33
34 This first paragraph is supplemented with the following:

35
36 Reclaimed aggregate may be used if it complies with the specifications for Portland Cement
37 Concrete. Reclaimed aggregate is aggregate that has been recovered from plastic concrete by
38 washing away the cementitious materials.

39
40 **9-03.1(2) Fine Aggregate for Portland Cement Concrete**

41 This section is revised to read:

42
43 Fine aggregate shall consist of natural sand or manufactured sand, or combinations thereof,
44 accepted by the Engineer, having hard, strong, durable particles free from adherent coating. Fine
45 aggregate shall be washed thoroughly to meet the specifications.

46
47 **9-03.1(2)A Deleterious Substances**

48 This section is revised to read:

49
50 The amount of deleterious substances in the washed aggregate shall be tested in accordance with
51 AASHTO M 6 and not exceed the following values:

52
53 Material finer than No. 200 Sieve 2.5 percent by weight

| | |
|--|------------------------|
| Clay lumps and friable particles | 3.0 percent by weight |
| Coal and lignite | 0.25 percent by weight |
| Particles of specific gravity less than 2.00 | 1.0 percent by weight. |

Organic impurities shall be tested in accordance with AASHTO T 21 by the glass color standard procedure and results darker than organic plate no. 3 shall be rejected. A darker color results from AASHTO T 21 may be used provided that when tested for the effect of organic impurities on strength of mortar, the relative strength at 7 days, calculated in accordance with AASHTO T 71, is not less than 95 percent.

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

This section is revised to read:

Coarse aggregate for concrete shall consist of gravel, crushed gravel, crushed stone, or combinations thereof having hard, strong, durable pieces free from adherent coatings. Coarse aggregate shall be washed to meet the specifications.

9-03.1(4)A Deleterious

This section, including title, is revised to read:

9-03.1(4)A Deleterious Substances

The amount of deleterious substances in the washed aggregate shall be tested in accordance with AASHTO M 80 and not exceed the following values:

| | |
|---|------------------------------------|
| Material finer than No. 200 | 1.0 ¹ percent by weight |
| Clay lumps and Friable Particles | 2.0 percent by weight |
| Shale | 2.0 percent by weight |
| Wood waste | 0.05 percent by weight |
| Coal and Lignite | 0.5 percent by weight |
| Sum of Clay Lumps, Friable Particles, and Chert (Less Than 2.40 specific gravity SSD) | 3.0 percent by weight |

¹If the material finer than the No. 200 sieve is free of clay and shale, this percentage may be increased to 1.5.

9-03.1(4)C Grading

The following new sentence is inserted at the beginning of the last paragraph:

Where coarse aggregate size 467 is used, the aggregate may be furnished in at least two separate sizes.

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

This section is revised to read:

As an alternative to using the fine aggregate sieve grading requirements in Section 9-03.1(2)B, and coarse aggregate sieve grading requirements in Section 9-03.1(4)C, a combined aggregate gradation conforming to the requirements of Section 9-03.1(5)A may be used.

9-03.1(5)A Deleterious Substances

This section is revised to read:

The amount of deleterious substances in the washed aggregates $\frac{3}{8}$ inch or larger shall not exceed the values specified in Section 9-03.1(4)A and for aggregates smaller than $\frac{3}{8}$ inch they shall not exceed the values specified in Section 9-03.1(2)A.

1
2 **9-03.1(5)B Grading**

3 The first paragraph is deleted.

4
5 **9-03.8(2) HMA Test Requirements**

6 In the table in item number 3, the heading "Statistical and Nonstatistical" is revised to read "Statistical".

7
8 **9-03.8(7) HMA Tolerances and Adjustments**

9 In the table in item number 1, the column titled "Nonstatistical Evaluation" is deleted.

10
11 In the table in item 1, the last column titled "Commercial Evaluation" is revised to read "Visual
12 Evaluation".

13
14 **9-03.11(1) Streambed Sediment**

15 The following three new sentences are inserted after the first sentence of the first paragraph:

16
17 Alternate gradations may be used if proposed by the Contractor and accepted by the Engineer.
18 The Contractor shall submit a Type 2 Working Drawing consisting of 0.45 power maximum density
19 curve of the proposed gradation. The alternate gradation shall closely follow the maximum density
20 line and have Nominal Aggregate Size of no less than 1½ inches or no greater than 3 inches.

21
22 **9-03.12(4) Gravel Backfill for Drains**

23 The following new sentence is inserted at the beginning of the second paragraph:

24
25 As an alternative, AASHTO grading No. 57 may be used in accordance with Section 9-03.1(4)C.

26
27 **9-03.12(5) Gravel Backfill for Drywells**

28 The following new sentence is inserted at the beginning of the second paragraph:

29
30 As an alternative, AASHTO grading No. 4 may be used in accordance with Section 9-03.1(4)C.

31
32 **9-03.21(1)B Concrete Rubble**

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

34
35 **9-03.21(1)B Recycled Concrete Aggregate**

36 Recycled concrete aggregates are coarse aggregates manufactured from hardened concrete
37 mixtures. Recycled concrete aggregate may be used as coarse aggregate or blended with coarse
38 aggregate for Commercial Concrete. Recycled concrete aggregate shall meet all of the
39 requirements for coarse aggregate contained in Section 9-03.1(4) or 9-03.1(5). In addition to the
40 requirements of Section 9-03.1(4) or 9-03.1(5), recycled concrete shall:

- 41
42 1. Contain an aggregated weight of less than 1 percent of adherent fines, vegetable matter,
43 plastics, plaster, paper, gypsum board, metals, fabrics, wood, tile, glass, asphalt
44 (bituminous) materials, brick, porcelain or other deleterious substance(s) not otherwise
45 noted;
- 46 2. Be free of harmful components such as chlorides and reactive materials unless mitigation
47 measures are taken to prevent recurrence in the new concrete;
- 48 3. Have an absorption of less than 10 percent when tested in accordance with AASHTO T
49 85.

50
51 Recycled concrete aggregate shall be in a saturated condition prior to mixing.
52

1 Recycled concrete aggregate shall not be placed below the ordinary high water mark of any water
2 of the State.

3
4 **9-03.21(1)D Recycled Steel Furnace Slag**

5 This section title is revised to read:

6
7 **Steel Slag**

8
9 **9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material**

10 In the Hot Mix Asphalt column, each value of "20" is revised to read "25".

11 The last column heading "Steel Furnace Slag" is revised to read "Steel Slag".

12
13 The following new row is inserted after the second row:

14
15
16

| | | | | | |
|--|-----------|---|-----|---|---|
| Coarse Aggregate for Commercial Concrete | 9-03.1(4) | 0 | 100 | 0 | 0 |
|--|-----------|---|-----|---|---|

17
18
19 **Section 9-04, Joint and Crack Sealing Materials**

20 January 3, 2017

21 This section is supplemented with the following two new subsections:

22
23 **9-04.11 Butyl Rubber Sealant**

24 Butyl rubber sealant shall conform to ASTM C 990.

25
26 **9-04.12 External Sealing Band**

27 External sealing band shall be Type III B conforming to ASTM C 877.

28
29 **9-04.1(2) Premolded Joint Filler for Expansion Joints**

30 This section is supplemented with the following:

31
32 As an alternative to the above, a semi-rigid, non-extruding, resilient type, closed-cell polypropylene
33 foam, preformed joint filler with the following physical properties as tested to AASHTO T 42
34 Standard Test Methods may be used.

35

| Closed-Cell Polypropylene Foam Preformed Joint Filler | | |
|---|-------------------|-------------|
| Physical Property | Requirement | Test Method |
| Water Absorption | < 1.0% | AASHTO T 42 |
| Compression Recovery | > 80% | AASHTO T 42 |
| Extrusion | < 0.1 in. | AASHTO T 42 |
| Density | > 3.5 lbs./cu.ft. | AASHTO T 42 |
| Water Boil (1 hr.) | No expansion | AASHTO T 42 |
| Hydrochloric Acid Boil (1 hr.) | No disintegration | AASHTO T 42 |
| Heat Resistance °F | 392°F± 5°F | ASTM D 5249 |

36
37 **9-04.2(1) Hot Poured Joint Sealants**

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

39
40 **9-04.2(1)A Hot Poured Sealant**

41 Hot poured sealant shall be sampled in accordance with ASTM D5167 and tested in accordance
42 with ASTM D5329.

1
2 **9-04.2(1)A1 Hot Poured Sealant for Cement Concrete Pavement**

3 Hot poured sealant for cement concrete pavement shall meet the requirements of ASTM
4 D6690 Type IV, except for the following:

- 5
6 1. The Cone Penetration at 25°C shall be 130 maximum.
7
8 2. The extension for the Bond, non-immersed, shall be 100 percent.
9

10 **9-04.2(1)A2 Hot Poured Sealant for Bituminous Pavement**

11 Hot poured sealant for bituminous pavement shall meet the requirements of ASTM D6690
12 Type I or Type II.

13
14 **9-04.2(1)B Sand Slurry for Bituminous Pavement**

15 Sand slurry is mixture consisting of the following components measured by total weight:

- 16
17 1. Twenty percent CSS-1 emulsified asphalt,
18
19 2. Two percent portland cement, and
20
21 3. Seventy-eight percent fine aggregate meeting the requirements of 9-03.1(2)B Class 2.
22 Fine aggregate may be damp (no free water).
23

24 **9-04.2(2) Poured Rubber Joint Sealer**

25 The last paragraph is deleted.
26

27 **9-04.4(1) Rubber Gaskets for Concrete Pipes and Precast Manholes**

28 "AASHTO M 198" is revised to read "ASTM C 990".
29

30 **9-04.4(3) Gaskets for Aluminum or Steel Culvert or Storm Sewer Pipe**

31 In the last sentence, "AASHTO M 198" is revised to read "ASTM C 990".
32

33 **Section 9-06, Structural Steel and Related Materials**

34 January 3, 2017

35 **9-06.5(3) High-Strength Bolts**

36 In this section, "ASTM A325" is revised to read "ASTM F3125 Grade A325", "ASTM A490" is revised to
37 read "ASTM F3125 Grade A490", and "ASTM F1852" is revised to read "ASTM F3125 Grade F1852".
38

39 In the fifth paragraph, "ASTM-A325" is revised to read "ASTM F3125".
40

41 **9-06.12 Bronze Castings**

42 In this section, "AASHTO M107" is revised to read "ASTM B22".
43

44 **9-06.16 Roadside Sign Structures**

45 In the first paragraph, "ASTM A325" is revised to read "ASTM F3125 Grade A325".
46

47 **Section 9-07, Reinforcing Steel**

48 August 1, 2016

49 **9-07.1(1)A Acceptance of Materials**

50 The first sentence of the first paragraph is revised to read:
51

1 Reinforcing steel rebar manufacturers shall comply with the National Transportation Product
2 Evaluation Program (NTPEP) Work Plan for Reinforcing Steel (rebar) Manufacturers.

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

5
6 Steel reinforcing bar manufacturers use either English or a Metric size designation while stamping
7 rebar.

8
9 **9-07.1(2) Bending**

10 The first two sentences of the first paragraph are deleted and replaced with the following two new
11 sentences:

12
13 Steel reinforcing bars shall be cut and bent cold to the shapes shown on the Plans. Fabrication
14 tolerances shall be in accordance with ACI 315.

15
16 **Section 9-10, Piling**

17 August 1, 2016

18 **9-10.3 Cast-In-Place Concrete Piling**

19 This section is revised to read:

20
21 Reinforcement for cast-in-place concrete piles shall conform to Section 9-07.2.

22
23 **Section 9-11, Waterproofing**

24 January 3, 2017

25 This section (and all subsections), including title, is revised to read:

26
27 **9-11 Waterproof Membrane**

28 **9-11.1 Asphalt for Waterproofing**

29 Waterproof membrane shall be a sheet membrane conforming to ASTM D 6153 Type III, the
30 puncture capacity specified below, and either the thin polymer sheet tensile stress or the
31 geotextile and fabric grab tensile strength specified below:

32

| Performance Properties | Test Method | Specification Requirements |
|--|---------------------------------------|----------------------------|
| Tensile Stress (for Thin Polymer Sheets) | ASTM D 882 | 75 pounds per inch min. |
| Grab Tensile Strength (for Geotextiles and Fabrics) | ASTM D 4632 (Woven or Nonwoven) | 200 pounds min. |
| Puncture Capacity (For Thin Polymer Sheets, Geotextiles and Fabrics) | ASTM E 154 | 200 pounds min. |

33
34 Waterproofing membrane will be accepted based on a Manufacturer's Certificate of
35 Compliance with each lot of waterproof membrane.

36
37 **9-11.2 Primer for Waterproof Membrane**

38 The primer for the waterproof membrane shall be appropriate for bonding the sheet
39 membrane to the bridge deck surface and shall be compatible with the membrane in
40 accordance with the waterproof membrane manufacturer's recommendations.

1 **Section 9-16, Fence and Guardrail**

2 January 17, 2017

3 **9-16.3(3) Galvanizing**

4 The first three sentences are deleted and replaced with the following single sentence:

5
6 W-beam or thrie beam rail elements and terminal sections shall be galvanized in
7 accordance with AASHTO M 180, Class A, Type II.

8
9 **Section 9-20, Concrete Patching Material, Grout, and Mortar**

10 January 3, 2017

11 This section is supplemented with the following new subsection:

12
13 **9-20.5 Bridge Deck Repair Material**

14 Bridge deck repair material shall be either an ultra-low viscosity, two-part liquid; polyurethane-
15 hybrid polymer concrete, or a pre-packaged cement based repair mortar, conforming to the
16 following requirements:

- 17
18 1. Minimum compressive strength of 2,500 psi, in accordance with ASTM C 109.
19
20 2. Total soluble chloride ion content by mass of product shall conform to the limits specified
21 in Section 6-02.3(2) for reinforced concrete.
22
23 3. Permeability of less than 2,000 coulombs at 56-days in accordance with AASHTO T 277.

24
25 If pre-packaged deck repair material does not include coarse aggregate, the Contractor shall
26 extend the mix with coarse aggregate as recommended by the manufacturer.

27
28 **Section 9-23, Concrete Curing Materials and Admixtures**

29 January 3, 2017

30 **9-23.9 Fly Ash**

31 The first paragraph is revised to read:

32
33 Fly ash shall conform to the requirements of AASHTO M295 Class C or F including supplementary
34 optional chemical requirements as set forth in Table 2.

35
36 The last sentence of the last paragraph is revised to read:

37
38 The supplementary optional chemical limits in AASHTO M295 Table 2 do not apply to fly ash used
39 in Controlled Density Fill.

40
41 **9-23.12 Metakaolin**

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

43
44 **9-23.12 Natural Pozzolan**

45 Natural Pozzolans shall be either Metakaolin or ground Pumice and shall conform to the
46 requirements of AASHTO M295 Class N, including supplementary optional chemical requirements
47 as set forth in Table 2.

48
49 **Section 9-29, Illumination, Signal, Electrical**

50 January 3, 2017

1 **9-29.2 Junction Boxes, Cable Vaults, and Pull Boxes**

2 This section is supplemented with the following new subsections:

3
4 **9-29.2(5) Testing Requirements**

5 The Contractor shall provide for testing of junction boxes, cable vaults and pull boxes. Junction
6 boxes, cable vaults and pull boxes shall be tested by an independent materials testing facility, and
7 a test report issued documenting the results of the tests performed.

8
9 For each junction box, vault and pull box type, the independent testing laboratory shall meet the
10 requirements of AASHTO R 18 for Qualified Tester and Verified Test Equipment. The test shall be
11 conducted in the presence of a Professional Engineer, licensed under Title 18 RCW, State of
12 Washington, in the branch of Civil or Structural, and each test sheet shall have the Professional
13 Engineer's original signature, date of signature, original seal, and registration number. One copy of
14 the test report shall be furnished to the Contracting Agency certifying that the box and cover meet
15 or exceed the loading requirements for that box type, and shall include the following information:

- 16
17 1. Product identification.
- 18
19 2. Date of testing.
- 20
21 3. Description of testing apparatus and procedure.
- 22
23 4. All load deflection and failure data.
- 24
25 5. Weight of box and cover tested.
- 26
27 6. Upon completion of the required test(s) the box shall be loaded to failure or to the
28 maximum load possible on the testing machine (70,000 pounds minimum).
- 29
30 7. A brief description of type and location of failure or statement that the testing machine
31 reached maximum load without failure of the box.

32
33 **9-29.2(5)A Standard Duty Boxes and Vaults**

34 Standard Duty Concrete Junction Boxes, Cable Vaults, and Pull Boxes shall be load tested to
35 22,500 pounds. The test load shall be applied uniformly through a 10 by 10 by 1-inch steel
36 plate centered on the lid. The test load shall be applied and released ten times, and the
37 deflection at the test load and released state shall be recorded for each interval. At each
38 interval the junction box shall be inspected for lid deformation, failure of the lid/frame welds,
39 vertical and horizontal displacement of the lid/frame, cracks, and concrete spalling.

40
41 Concrete junction boxes will be considered to have withstood the test if none of the following
42 conditions are exhibited:

- 43
44 1. Permanent deformation of the lid or any impairment to the function of the lid.
- 45
46 2. Vertical or horizontal displacement of the lid frame.
- 47
48 3. Cracks wider than 0.012 inches that extend 12 inches or more.
- 49
50 4. Fracture or cracks passing through the entire thickness of the concrete.
- 51
52 5. Spalling of the concrete.
- 53

1 **9-29.2(5)B Retrofit Security Lids for Standard Duty Concrete Junction Boxes**

2 Security lids used to retrofit existing Standard Duty Concrete Junction Boxes shall be tested
3 as follows:

- 4
- 5 1. The security lid shall be installed on any appropriately sized box that is currently
6 approved on the Qualified Products List.
- 7
- 8 2. The security lid and box assembly shall be load tested in accordance with Section 9-
9 29.2(5)A. After the ten load cycles but before loading to failure, the security lid shall
10 be fully opened and removed to verify operability.
- 11
- 12 3. The locking mechanism(s) shall be tested as follows:
- 13
- 14 a. The locking mechanism shall be cycled 250 times (locked, then unlocked again)
15 at room temperature (60-80°F). If there is more than one identical locking
16 mechanism, only one needs to be cycled in this manner.
- 17
- 18 b. Temperature changes should be limited to no more than 60°F per hour.
- 19
- 20 c. The security lid shall be cooled to and held at -30°F for 15 minutes. The locking
21 mechanism shall then be cycled once to verify operation at this temperature.
- 22
- 23 d. The security lid shall be heated to and held at 120-122°F for 15 minutes. The
24 locking mechanism shall then be cycled once to verify operation at this
25 temperature.
- 26
- 27 e. The security lid shall be temperature adjusted to and held at 110°F and 95%
28 humidity for 15 minutes. The locking mechanism shall then be cycled once to
29 verify operation at this temperature and humidity.
- 30

31 **9-29.2(5)C Standard Duty Non-Concrete Junction Boxes**

32 Non-concrete Junction Boxes shall be tested as defined in the ANSI/SCTE 77 Tier 15 test
33 method using the test load of 22,500 pounds (minimum) in place of the design load during
34 testing. In addition, the Contractor shall provide a Manufacturer Certificate of Compliance for
35 each non-concrete junction box installed.

36

37 **9-29.2(5)D Heavy-Duty Boxes and Vaults**

38 Heavy-Duty Junction Boxes, Cable Vaults, and Pull Boxes shall be load tested to 46,000
39 pounds. The test load shall be applied vertically through a 10 by 20 by 1-inch steel plate
40 centered on the lid with an orientation both on the long axis and the short axis of the junction
41 box. The test load shall be applied and released ten times on each axis. The deflection at the
42 test load and released state shall be recorded for each interval. At each interval the test box
43 shall be inspected for lid deformation, failure of the lid or frame welds, vertical and horizontal
44 displacement of the lid frame, cracks, and concrete spalling. After the twentieth loading
45 interval the test shall be terminated with a 60,000 pound load being applied vertically through
46 the steel plate centered on the lid and with the long edge of steel plate orientated parallel to
47 the long axis of the box.

48

49 Heavy-Duty Junction Boxes will be considered to have withstood the 46,000 pound test if
50 none of the following conditions are exhibited:

- 51
- 52 1. Permanent deformation of the lid or any impairment to the function of the lid.
- 53
- 54 2. Vertical or horizontal displacement of the lid frame.

3. Cracks wider than 0.012 inches that extend 12 inches or more.
4. Fracture or cracks passing through the entire thickness of the concrete.
5. Spalling of the concrete.

Heavy-Duty Junction Boxes will be considered to have withstood the 60,000 pound test if all of the following conditions are exhibited:

1. The lid is operational.
2. The lid is securely fastened.
3. The welds have not failed.
4. Permanent dishing or deformation of the lid is ¼ inch or less.
5. No buckling or collapse of the box.

9-29.2(1) Standard Duty and Heavy Duty Junction Boxes

This section, including title, is revised to read:

9-29.2(1) Junction Boxes

For the purposes of this Specification concrete is defined as portland cement concrete and non-concrete is all others.

The Contractor shall provide shop drawings for all components, hardware, lid, frame, reinforcement, and box dimensions. The shop drawings shall be prepared by (or under the supervision of) a Professional Engineer, licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural. Each sheet shall carry the following:

1. Professional Engineer's original signature, date of signature, original seal, and registration number. If a complete assembly drawing is included which references additional drawing numbers, including revision numbers for those drawings, then only the complete assembly drawing is required to be stamped.
2. The initials and dates of all participating design professionals.
3. Clear notation of all revisions including identification of who authorized the revision, who made the revision, and the date of the revision.

Design calculations shall carry on the cover page, the Professional Engineer's original signature, date of signature, original seal, and registration number.

For each type of junction box, or whenever there is a change to the junction box design, a proof test, as defined in this Specification, shall be performed and new shop drawings submitted.

9-29.2(1)A Standard Duty Junction Boxes

This section is revised to read:

Standard Duty Junction Boxes are defined as Type 1, 2 and 8 junction boxes and shall have a minimum load rating of 22,500 pounds and be tested in accordance with Section 9-29.2(5). A complete Type 8 Junction Box includes the spread footing shown in the Standard Plans. All

Standard Duty Junction Boxes placed in sidewalks, walkways, and shared use paths shall have slip resistant surfaces. Non-slip lids and frames shall be hot dip galvanized in accordance with AASHTO M111.

9-29.2(1)A1 Concrete Junction Boxes

The Standard Duty Concrete Junction Box steel frame, lid support, and lid shall be painted with a black paint containing rust inhibitors or painted with a shop applied, inorganic zinc primer in accordance with Section 6-07.3, or hot-dip galvanized in accordance with AASHTO M 111.

Concrete used in Standard Duty Junction Boxes shall have a minimum compressive strength of 6,000 psi when reinforced with a welded wire hoop, or 4,000 psi when reinforced with welded wire fabric or fiber reinforcement. The frame shall be anchored to the box by welding headed studs $\frac{3}{8}$ by 3 inches long, as specified in Section 9-06.15, to the frame. The wire fabric shall be attached to the studs and frame with standard tie practices. The box shall contain ten studs located near the centerline of the frame and box wall. The studs shall be placed one anchor in each corner, one at the middle of each width and two equally spaced on each length of the box.

Materials for Type 1, 2, and 8 Concrete Junction Boxes shall conform to the following:

| Materials | Requirement |
|---|--|
| Concrete | Section 6-02 |
| Reinforcing Steel | Section 9-07 |
| Fiber Reinforcing | ASTM C1116, Type III |
| Lid | ASTM A786 diamond plate steel |
| Slip Resistant Lid | ASTM A36 steel |
| Frame | ASTM A786 diamond plate steel or ASTM A36 steel |
| Slip Resistant Frame | ASTM A36 steel |
| Lid Support | ASTM A36 steel, or ASTM A1011 SS Grade 36 (or higher) |
| Handle & Handle support | ASTM A36 steel, or ASTM A1011 CS (Any Grade) or SS (Any Grade) |
| Anchors (studs) | Section 9-06.15 |
| Bolts, Studs, Nuts, Washers | ASTM F593 or A193, Type 304 or 316, or Stainless Steel grade 302, 304, or 316 steel in accordance with approved shop drawing |
| Locking and Latching Mechanism Hardware and Bolts | In accordance with approved shop drawings |

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

Material for the non-concrete junction boxes shall be of a quality that will provide for a similar life expectancy as portland cement concrete in a direct burial application.

Type 1, 2, and 8 non-concrete junction boxes shall have a Design Load of 22,500 pounds and shall be tested in accordance with Section 9-29.2(5). Non-concrete junction boxes shall be gray in color and have an open bottom design with approximately the same inside dimensions, and present a load to the bearing surface that is less than or equal to the loading presented by the concrete junction boxes shown in the Standard Plans. Non-concrete junction box lids shall include a pull slot and embedded 6 by 6 by $\frac{1}{4}$ -inch steel plate, and shall be secured with two $\frac{1}{2}$ inch stainless steel Penta-head bolts recessed into the cover. The tapped holes for the

1 securing bolts shall extend completely through the box to prevent accumulation of debris.
2 Bolts shall conform to ASTM F593, stainless steel.

3
4 **9-29.2(1)B Heavy-Duty Junction Boxes**

5 The first paragraph is revised to read:

6
7 Heavy-Duty Junction Boxes are defined as Type 4, 5, and 6 junction boxes and shall be concrete
8 and have a minimum vertical load rating of 46,000 pounds without permanent deformation and
9 60,000 pounds without failure when tested in accordance with Section 9-29.2(5).

10
11 **9-29.2(1)C Testing Requirements**

12 This section is deleted in its entirety.

13
14 **9-29.2(2) Small Cable Vaults, Standard Duty Cable Vaults, Standard Duty Pull Boxes,
15 and Heavy Duty Pull Boxes**

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

17
18 **9-29.2(2) Cable Vaults and Pull Boxes**

19 Cable Vaults and Pull Boxes shall be constructed as a concrete box and as a concrete lid. The lids
20 for Cable Vaults and Pull Boxes shall be interchangeable and both shall fit the same box as shown
21 in the Standard Plans.

22
23 The Contractor shall provide shop drawings for all components, including concrete box, Cast Iron
24 Ring, Ductile Iron Lid, Steel Rings, and Lid. In addition, the shop drawings shall show placement of
25 reinforcing steel, knock outs, and any other appurtenances. The shop drawing shall be prepared
26 by or under the direct supervision of a Professional Engineer, licensed under Title 18 RCW, State
27 of Washington, in the branch of Civil or Structural. Each sheet shall carry the following:

- 28
29 1. Professional Engineer's original signature, date of signature, original seal, and
30 registration number. If a complete assembly drawing is included which references
31 additional drawing numbers, including revision numbers for those drawings, then only the
32 complete assembly drawing is required to be stamped.
33
34 2. The initials and dates of all participating design professionals.
35
36 3. Clear notation of all revisions including identification of who authorized the revision, who
37 made the revision, and the date of the revision.

38
39 Design calculations shall carry on the cover page, the Professional Engineer's original signature,
40 date of signature, original seal, and registration number.

41
42 For each type of box or whenever there is a change to the Cable Vault or Pull box design, a proof
43 test, as defined in this Specification, shall be performed and new shop drawings submitted.

44
45 **9-29.2(2)A Small Cable Vaults, Standard Duty Cable Vaults, and Standard Duty Pull
46 Boxes**

47 This section's title is revised to read:

48
49 **9-29.2(2)A Standard Duty Cable Vaults and Pull Boxes**

50
51 The first paragraph is revised to read:

1 Standard Duty Cable Vaults and Pull Boxes shall be concrete and have a minimum load rating of
2 22,500 pounds and be tested in accordance with Section 9-29.2(5). For the purposes of this
3 Section, Small Cable Vaults are considered a type of Standard Duty Cable Vault.
4

5 The first sentence of the second paragraph is revised to read:
6

7 Concrete for Standard Duty Cable Vaults and Pull Boxes shall have a minimum compressive
8 strength of 4,000 psi.
9

10 The first sentence of the third paragraph is revised to read:
11

12 All Standard Duty Cable Vaults and Pull Boxes placed in sidewalks, walkways, and shared-use
13 paths shall have slip-resistant surfaces.
14

15 The fourth paragraph (up until the colon) is revised to read:
16

17 Materials for Standard Duty Cable Vaults and Pull Boxes shall conform to the following:
18

19 **9-29.2(2)B Heavy-Duty Cable Vaults and Pull Boxes**

20 The first paragraph is revised to read:
21

22 Heavy-Duty Cable Vaults and Pull Boxes shall be constructed of concrete having a minimum
23 compressive strength of 4,000 psi, and have a minimum vertical load rating of 46,000 pounds
24 without permanent deformation and 60,000 pounds without failure when tested in accordance with
25 Section 9-29.2(5).
26

27 **9-29.2(3) Structure Mounted Junction Boxes**

28 The first and second paragraphs are revised to read:
29

30 Surface mounted junction boxes and concrete embedded junction boxes installed in cast-in-place
31 structures shall be stainless steel NEMA 4X.
32

33 Concrete embedded junction boxes installed in structures constructed by slip forming shall be
34 stainless steel NEMA 3R and shall be adjustable for depth, with depth adjustment bolts, which are
35 accessible from the front face of the junction box with the lid installed.
36

37 **9-29.3(1) Fiber Optic Cable**

38 This section is revised to read:
39

40 All fiber optic cables shall be single mode fiber optic cables unless otherwise specified in the
41 Contract. All fiber optic cables shall meet the following requirements:
42

- 43 a. Compliance with the current version of ANSI/ICEA S-87-640. A product data
44 specification sheet clearly identifying compliance or a separate letter from manufacturer
45 to state compliance shall be provided.
46
- 47 b. Cables shall be gel free, loose tube, low water peak, and all dielectric with no metallic
48 component.
49
- 50 c. Cables shall not be armored unless specified in the Contract.
51
- 52 d. Cables shall be approved for mid-span entries and be rated by the manufacturer for
53 outside plant (OSP) use, placement in underground ducts, and aerial installations.
54

- 1 e. Fiber counts shall be as specified in the Contract.
- 2
- 3 f. Fibers and buffer tubes shall be color coded in accordance with the current version of
- 4 EIA/TIA-598.
- 5
- 6 g. Fibers shall not have any factory splices.
- 7
- 8 h. Outer Jacket shall be Type M (Medium Density Polyethylene). Outer jacket shall be free
- 9 from holes, splits, blisters, or other imperfections and must be smooth and concentric as
- 10 is consistent with the best commercial practice.
- 11
- 12 i. A minimum of one (1) rip cord is required for each cable.
- 13
- 14 j. Cable markings shall meet the following additional requirements:
- 15
- 16 1. Color shall be white or silver.
- 17
- 18 2. Markings shall be approximately 3 millimeters (118 mils) in height, and dimensioned
- 19 and spaced to produce good legibility.
- 20
- 21 3. Markings shall include the manufacturer's name, year of manufacture, the number of
- 22 fibers, the words "OPTICAL CABLE", and sequential length marks.
- 23
- 24 4. Sequential length markings shall be in meters or feet, spaced at intervals not more
- 25 than 1 meter or 2 feet apart, respectively.
- 26
- 27 5. The actual cable length shall not be shorter than the cable length marking. The
- 28 actual cable length may be up to 1% longer than the cable length marking.
- 29
- 30 6. Cables with initial markings that do not meet these requirements will not be accepted
- 31 and may not be re-marked.
- 32
- 33 k. Short term tensile strength shall be a minimum of 600 pounds (1bs). Long term tensile
- 34 strength shall be a minimum of 180 pounds (1bs). Tensile strength shall be achieved
- 35 using a fiberglass reinforced plastic (FRP) central member and / or aramid yarns.
- 36
- 37 l. All cables shall be new and free of material or manufacturing defects and dimensional
- 38 non-uniformity that would:
- 39
- 40 1. Interfere with the cable installation using accepted cable installation practices;
- 41
- 42 2. Degrade the transmission performance or environmental resistance after installation;
- 43
- 44 3. Inhibit proper connection to interfacing elements;
- 45
- 46 4. Otherwise yield an inferior product.
- 47
- 48 m. The fiber optic cables shall be shipped on reels with a drum diameter at least 20 times the
- 49 diameter of the cable, in order to prevent damage to the cable. The reels shall be
- 50 substantial and constructed so as to prevent damage during shipment and handling.
- 51 Reels shall be labeled with the same information required for the cable markings, with the
- 52 exception that the total length of cable shall be marked instead of incremental length
- 53 marks. Reels shall also be labeled with the type of cable.
- 54

1 This section is supplemented with the following new subsection:
2

3 **9-29.3(1)B Multimode Optical Fibers**

4 Where multimode fiber optic cables are specified in the Contract, the optical fibers shall be one of
5 the following types, as specified in the Contract:
6

- 7 a. Type OM1, meeting the requirements of EIA/TIA 492-AAAA-A or ISO/IEC 11801. The
8 fiber core diameter shall be 62.5 µm.
9
10 b. Type OM2, meeting the requirements of EIA/TIA 492-AAAB-A or ISO/IEC 11801. The
11 fiber core diameter shall be 50 µm.
12

13 All multimode optical fibers shall have a maximum attenuation of 3.0 dB/km at 850nm and 1.0
14 dB/km at 1300nm. Completed cable assemblies shall be rated for 1000BaseLX Ethernet
15 communications.
16

17 **9-29.3(1)A Singlemode Fiber Optic Cable**

18 This section is revised to read:
19

20 Single-Mode optical fibers shall be EIA/TIA 492-CAAB or ISO/IEC 11801 Type OS2, low water
21 peak zero dispersion fibers, meeting the requirements of ITU-T G.652.D.
22

23 **9-29.6 Light and Signal Standards**

24 The third paragraph is revised to read:
25

26 Light standard, signal standards, slip base hardware and foundation hardware shall be hot dip
27 galvanized in accordance with AASHTO M 111 and AASHTO M 232. Where colored standards are
28 required, standards shall be powder-coated after galvanizing in accordance with Section 6-
29 07.3(11). The standard color shall be as specified in the Contract.
30

31 **9-29.6(1) Steel Light and Signal Standards**

32 In the first paragraph, "ASTM A325" is revised to read "ASTM F3125 Grade A325".
33

34 **9-29.6(2) Slip Base Hardware**

35 In this section, "ASTM A325" is revised to read "ASTM F3125 Grade A325".
36

37 **9-29.7(2) Fused Quick-Disconnect Kits**

38 The table is supplemented with the following new row:
39

| | | | |
|------|-----|-----|-----|
| LED* | 10A | 10A | 20A |
|------|-----|-----|-----|

40
41 The following footnote is inserted after the table:
42

- 43 * Applies to all LED luminaires, regardless of wattage. Fuses for LED luminaires shall be slow
44 blow.
45

46 **9-29.10 Luminaires**

47 The first sentence of the third paragraph is revised to read:
48

49 All luminaires shall be provided with markers for positive identification of light source type and
50 wattage in accordance with ANSI C136.15-2011, with the exception that LED luminaires shall be
51 labeled with the wattage of their conventional luminaire equivalents – the text "LED" is optional.
52

1 The table in the fourth paragraph is revised to read:
2

| Conventional Lamp Wattage | Conventional Wattage Legend | Equivalent LED Legend |
|---------------------------|-----------------------------|-----------------------|
| 70 | 7 | 7E |
| 100 | 10 | 10E |
| 150 | 15 | 15E |
| 175 | 17 | 17E |
| 200 | 20 | 20E |
| 250 | 25 | 25E |
| 310 | 31 | 31E |
| 400 | 40 | 40E |
| 700 | 70 | 70E |
| 750 | 75 | 75E |
| 1,000 | X1 | X1E |

3
4 **9-29.25 Amplifier, Transformer, and Terminal Cabinets**

5 Item 2C is revised to read:

- 6
7 c. Transformer up to 12.5 KVA 20" 48" 24"
8 Transformer 12.6 to 35 KVA 30" 60" 32"

9
10 The following new sentence is inserted before the last sentence of item number 10:

11
12 There shall be an isolation breaker on the input (line) side of the transformer, and a breaker array
13 on the output (load) side.

14
15 **Section 9-35, Temporary Traffic Control Materials**

16 August 1, 2016

17 **9-35.12 Transportable Attenuator**

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

19
20 The transportable attenuator shall be mounted on, or attached to, a host vehicle that complies with
21 the manufacturer's recommended weight range.
22
23

1 **INTRODUCTION**

2
3 The following Special Provisions are made a part of this contract and supersede any conflicting
4 provisions of the 2016 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 (date) General Special Provision
- 17 (*****) Notes a revision to a General Special Provision
- 18 and also notes a Project Specific Special Provision.
- 19 (APWA GSP) American Public Works Association General Special Provision

20
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 *** 0.974 miles of Jackson Highway by surface
46 grinding, placing geogrid reinforcement, paving with HMA, guardrail, and safety improvements *** and
47 other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the
48 Standard Specifications.

1 **1-01.3 Definitions**

2 (January 4, 2016 APWA GSP)

3
4 Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them with
5 the following:

6
7 **Dates**

8 ***Bid Opening Date***

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

10 ***Award Date***

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

13 ***Contract Execution Date***

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

15 ***Notice to Proceed Date***

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

17 ***Substantial Completion Date***

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

23 ***Physical Completion Date***

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

27 ***Completion Date***

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

32 ***Final Acceptance Date***

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

34
35 Supplement this Section with the following:

36
37 All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions,
38 to the terms "Department of Transportation", "Washington State Transportation Commission",
39 "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer"
40 shall be revised to read "Contracting Agency".

41
42 All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless
43 the reference is to an administrative agency of the State of Washington, a State statute or
44 regulation, or the context reasonably indicates otherwise.

45
46 All references to "State Materials Laboratory" shall be revised to read "Contracting Agency
47 designated location".

48
49 All references to "final contract voucher certification" shall be interpreted to mean the Contracting
50 Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

1
2 **Additive**

3 A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which
4 may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.
5

6 **Alternate**

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

11 **Business Day**

12 A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.
13

14 **Contract Bond**

15 The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s)
16 are required by the Contract Documents, which may be a combination of a Payment Bond and a
17 Performance Bond.
18

19 **Contract Documents**

20 See definition for "Contract".
21

22 **Contract Time**

23 The period of time established by the terms and conditions of the Contract within which the Work
24 must be physically completed.
25

26 **Notice of Award**

27 The written notice from the Contracting Agency to the successful Bidder signifying the Contracting
28 Agency's acceptance of the Bid Proposal.
29

30 **Notice to Proceed**

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

35 **Traffic**

36 Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and
37 equestrian traffic.
38

39 **1-02, BID PROCEDURES AND CONDITIONS**

40
41 **1-02.1 Prequalification of Bidders**

42
43 Delete this Section and replace it with the following:
44

45 **1-02.1 Qualifications of Bidder**
46 *(January 24, 2011 APWA GSP)*
47

48 Before award of a public works contract, a bidder must meet at least the minimum qualifications of
49 RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public
50 works project.
51

52 **1-02.2 Plans and Specifications**

1 (*****)

2
3 The first paragraph of section 1-02.2 is revised to read:

4
5 Copies of the plans and specifications are on file in the office of:

6
7 Lewis County Public Works Department
8 2025 N.E. Kresky Avenue
9 Chehalis, Washington 98532
10 (360) 740-2612

11
12 The second paragraph of section 1-02.2 is revised to read:

13
14 Prospective bidders may obtain plans and specifications from Lewis County Public
15 Works Department in Chehalis, Washington or download from Lewis County Website at
16 www.lewiscountywa.gov.

17
18 **1-02.6 Preparation Of Proposal**

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

20
21 (May 7, 2012)

22 The Bidder shall submit with the Bid a completed Disadvantaged Business Enterprise (DBE)
23 Utilization Certification, when required by the Special Provisions. For each and every DBE firm
24 listed on the Bidder's completed Disadvantaged Business Enterprise Utilization Certification, the
25 Bidder shall submit written confirmation from that DBE firm that the DBE is in agreement with the
26 DBE participation commitment that the Bidder has made in the Bidder's completed Disadvantaged
27 Business Enterprise Utilization Certification. WSDOT Form 422 031 EF (Disadvantaged Business
28 Enterprise Written Confirmation Document) is to be used for this purpose.

29
30 Bidder must submit good faith effort documentation only in the event the bidder's efforts to solicit
31 sufficient DBE participation have been unsuccessful. Directions for delivery of the Disadvantaged
32 Business Enterprise Written Confirmation Documents and Disadvantaged Business Enterprise
33 Good Faith Effort documentation are included in Sections 1-02.9.

34
35 **1-02.9 Delivery of Proposal**

36 *(August 15, 2016 APWA GSP, Option A)*

37
38 Delete this section and replace it with the following:

39
40 Each proposal shall be submitted in a sealed envelope, with the Project Name and Project Number
41 as stated in the Call for Bids clearly marked on the outside of the envelope, or as otherwise
42 required in the Bid Documents, to ensure proper handling and delivery.

43
44 If the project has FHWA funding and requires DBE Written Confirmation Document(s) or Good Faith
45 Effort (GFE) Documentation, then to be considered responsive, the Bidder shall submit written
46 Confirmation Documentation from each DBE firm listed on the Bidder's completed DBE Utilization
47 Certification, form 272-056 EF, as required by Section 1-02.6. The DBE Written Confirmation
48 Document(s) and/or GFE (if any) shall be received either with the Bid Proposal or as a Supplement
49 to the Bid. The document(s) shall be received **no later than 24 hours** (not including Saturdays,
50 Sundays and Holidays) after the time for delivery of the Bid Proposal.

51
52 If submitted after the Bid Proposal is due, the document(s) must be submitted in a sealed envelope
53 labeled the same as for the Proposal, with "DBE Supplemental Information" added. All other

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

3
4 The Contracting Agency will not open or consider any Bid Proposal that is received after the time
5 specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that
6 specified in the Call for Bids. The Contracting Agency will not open or consider any DBE
7 confirmations or GFE documentation proposal that is received after the time specified above, or
8 received in a location other than that specified in the Call for Bids.

9
10 **1-02.12 Public Opening Of Proposal**

11 **(*****)**

12
13 Section 1-02.12 is supplemented with the following:

14
15 **Date and Time of Bid Opening**

16 The Board of County Commissioners of Lewis County or designee, will open sealed proposals and
17 publicly read them aloud on or after 11:00 a.m. on **June 27, 2017**, at the Lewis County
18 Courthouse, Chehalis, Washington, for the Jackson Highway Rehabilitation Project, CRP 2175D,
19 Federal Aid Project No. STPUS-5667(004).

20
21 **SEALED BIDS MUST BE DELIVERED BY OR BEFORE**

22 **11:00 A.M. on Tuesday, June 27, 2017**

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

25
26 **Delivery and Marking of Sealed Bid Proposals**

27 Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners
28 (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532) by or before **11:00**
29 **a.m.** on the date specified for opening, and in an envelope clearly marked: **"SEALED BID FOR**
30 **THE JACKSON HIGHWAY REHABILITATION PROJECT, CRP 2175D, FEDERAL AID**
31 **PROJECT NO. STPUS-5667(004), TO BE OPENED ON OR AFTER 11:00 A.M. ON JUNE 27,**
32 **2017.**

33
34 **1-02.13 Irregular Proposals**

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

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

- 38
39 1. A proposal will be considered irregular and will be rejected if:
- 40 a. The Bidder is not prequalified when so required;
 - 41 b. The authorized proposal form furnished by the Contracting Agency is not used or is
42 altered;
 - 43 c. The completed proposal form contains any unauthorized additions, deletions, alternate
44 Bids, or conditions;
 - 45 d. The Bidder adds provisions reserving the right to reject or accept the award, or enter into
46 the Contract;
 - 47 e. A price per unit cannot be determined from the Bid Proposal;
 - 48 f. The Proposal form is not properly executed;
 - 49 g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as
50 required in Section 1-02.6;
 - 51 h. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise
52 Certification, if applicable, as required in Section 1-02.6;

- i. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidders DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
 - j. The Bidder fails to submit DBE 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

(March 8, 2013 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 the following Supplemental Criteria:

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 shall not be listed on the Washington State Department of Revenue's "Delinquent Taxpayer List" website: <http://dor.wa.gov/content/fileandpaytaxes/latefiling/dtlwest.aspx> , or if they are so listed, they 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
- 12 copy of its standard subcontract form for review by the Contracting Agency, and a
- 13 written description of its procedure for validating the responsibility of subcontractors
- 14 with which it contracts.

15

16 **4. Prevailing Wages**

- 17
- 18 A. Criterion: The Bidder shall not have a record of prevailing wage violations as
- 19 determined by WA Labor & Industries in the five years prior to the bid submittal date,
- 20 that demonstrates a pattern of failing to pay workers prevailing wages, unless there
- 21 are extenuating circumstances and such circumstances are deemed acceptable to the
- 22 Contracting Agency.
- 23
- 24 B. Documentation: The Bidder, if and when required as detailed below, shall submit a list
- 25 of all prevailing wage violations in the five years prior to the bid submittal date, along
- 26 with an explanation of each violation and how it was resolved. The Contracting
- 27 Agency will evaluate these explanations and the resolution of each complaint to
- 28 determine whether the violation demonstrate a pattern of failing to pay its workers
- 29 prevailing wages as required.

30

31 **5. Claims Against Retainage and Bonds**

- 32
- 33 A. Criterion: The Bidder shall not have a record of excessive claims filed against the
- 34 retainage or payment bonds for public works projects in the three years prior to the bid
- 35 submittal date, that demonstrate a lack of effective management by the Bidder of
- 36 making timely and appropriate payments to its subcontractors, suppliers, and workers,
- 37 unless there are extenuating circumstances and such circumstances are deemed
- 38 acceptable to the Contracting Agency.
- 39
- 40 B. Documentation: The Bidder, if and when required as detailed below, shall submit a list
- 41 of the public works projects completed in the three years prior to the bid submittal date
- 42 that have had claims against retainage and bonds and include for each project the
- 43 following information:
- 44
- 45 • Name of project
 - 46 • The owner and contact information for the owner;
 - 47 • A list of claims filed against the retainage and/or payment bond for any of the
 - 48 projects listed;
 - 49 • A written explanation of the circumstances surrounding each claim and the
 - 50 ultimate resolution of the claim.

51

52 **6. Public Bidding Crime**

1
2 A Criterion: The Bidder and/or its owners shall not have been convicted of a crime
3 involving bidding on a public works contract in the five years prior to the bid submittal
4 date.

5
6 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
7 statement (on a form to be provided by the Contracting Agency) that the Bidder and/or
8 its owners have not been convicted of a crime involving bidding on a public works
9 contract.

10
11 7. **Termination for Cause / Termination for Default**

12
13 A Criterion: The Bidder shall not have had any public works contract terminated for
14 cause or terminated for default by a government agency in the five years prior to the
15 bid submittal date, unless there are extenuating circumstances and such
16 circumstances are deemed acceptable to the Contracting Agency.

17
18 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
19 statement (on a form to be provided by the Contracting Agency) that the Bidder has
20 not had any public works contract terminated for cause or terminated for default by a
21 government agency in the five years prior to the bid submittal date; or if Bidder was
22 terminated, describe the circumstances. .

23
24 8. **Lawsuits**

25
26 A Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder
27 in the five years prior to the bid submittal date that demonstrate a pattern of failing to
28 meet the terms of contracts, unless there are extenuating circumstances and such
29 circumstances are deemed acceptable to the Contracting Agency

30
31 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
32 statement (on a form to be provided by the Contracting Agency) that the Bidder has
33 not had any lawsuits with judgments entered against the Bidder in the five years prior
34 to the bid submittal date that demonstrate a pattern of failing to meet the terms of
35 contracts, or shall submit a list of all lawsuits with judgments entered against the
36 Bidder in the five years prior to the bid submittal date, along with a written explanation
37 of the circumstances surrounding each such lawsuit. The Contracting Agency shall
38 evaluate these explanations to determine whether the lawsuits demonstrate a pattern
39 of failing to meet of terms of construction related contracts

40
41 As evidence that the Bidder meets the mandatory and supplemental responsibility criteria stated
42 above, the apparent two lowest Bidders must submit to the Contracting Agency by 12:00 P.M.
43 (noon) of the second business day following the bid submittal deadline, a written statement
44 verifying that the Bidder meets all of the mandatory and supplemental criteria together with
45 supporting documentation including but not limited to that detailed above (sufficient in the sole
46 judgment of the Contracting Agency) demonstrating compliance with all mandatory and
47 supplemental responsibility criteria. The Contracting Agency reserves the right to request such
48 documentation from other Bidders as well, and to request further documentation as needed to
49 assess Bidder responsibility. The Contracting Agency also reserves the right to obtain information
50 from third-parties and independent sources of information concerning a Bidder's compliance with
51 the mandatory and supplemental criteria, and to use that information in their evaluation. The

1 Contracting Agency may (but is not required to) consider mitigating factors in determining whether
2 the Bidder complies with the requirements of the supplemental criteria.

3
4 The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria
5 shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or
6 third parties) including but not limited to: (i) financial, historical, or operational data from the
7 Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the
8 Bidder has worked, or other public agencies or private enterprises; and (iii) any additional
9 information obtained by the Contracting Agency which is believed to be relevant to the matter.

10
11 If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria
12 above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in
13 writing, with the reasons for its determination. If the Bidder disagrees with this determination, it
14 may appeal the determination within two (2) business days of the Contracting Agency's
15 determination by presenting its appeal and any additional information to the Contracting Agency.
16 The Contracting Agency will consider the appeal and any additional information before issuing its
17 final determination. If the final determination affirms that the Bidder is not responsible, the
18 Contracting Agency will not execute a contract with any other Bidder until at least two business
19 days after the Bidder determined to be not responsible has received the Contracting Agency's
20 final determination.

21
22 Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with
23 concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility Criteria
24 may make or submit requests to the Contracting Agency to modify the criteria. Such requests
25 shall be in writing, describe the nature of the concerns, and propose specific modifications to the
26 criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5)
27 business days prior to the bid submittal deadline and address the request to the Project Engineer
28 or such other person designated by the Contracting Agency in the Bid Documents.

29
30 **1-02.15 Pre Award Information**
31 (August 14, 2013 APWA GSP)

32
33 Revise this section to read:

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

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

49 **1-03, AWARD AND EXECUTION OF CONTRACT**

1 **1-03.3 Execution of Contract**

2 (October 1, 2005 APWA GSP)

3
4 Revise this section to read:

5
6 Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for
7 signature by the successful bidder on the first business day following award. The number of copies
8 to be executed by the Contractor will be determined by the Contracting Agency.

9
10 Within 15 calendar days after the award date, the successful bidder shall return the signed
11 Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18,
12 and a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by
13 the Contracting Agency, the successful bidder shall provide any pre-award information the
14 Contracting Agency may require under Section 1-02.15.

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

20
21 If the bidder experiences circumstances beyond their control that prevents return of the contract
22 documents within the calendar days after the award date stated above, the Contracting Agency
23 may grant up to a maximum of 5 additional calendar days for return of the documents, provided
24 the Contracting Agency deems the circumstances warrant it.

25
26 **1-03.4 Contract Bond**

27 (July 23, 2015 APWA GSP)

28
29 Delete the first paragraph and replace it with the following:

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

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

- 1 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond;
2 and
3 6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor
4 or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or
5 vice president, unless accompanied by written proof of the authority of the individual signing the
6 bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such
7 effect signed by the president or vice president).
8

9 **1-05, CONTROL OF WORK**

10 (March 13, 1995)

11 **1-05.7 Removal Of Defective And unauthorized Work**

12 (October 1, 2005 APWA GSP)
13

14 Supplement this section with the following:
15

16 If the Contractor fails to remedy defective or unauthorized work within the time specified in a
17 written notice from the Engineer, or fails to perform any part of the work required by the Contract
18 Documents, the Engineer may correct and remedy such work as may be identified in the written
19 notice, with Contracting Agency forces or by such other means as the Contracting Agency may
20 deem necessary.
21

22 If the Contractor fails to comply with a written order to remedy what the Engineer determines to be
23 an emergency situation, the Engineer may have the defective and unauthorized work corrected
24 immediately, have the rejected work removed and replaced, or have work the Contractor refuses to
25 perform completed by using Contracting Agency or other forces. An emergency situation is any
26 situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or
27 might cause serious risk of loss or damage to the public.
28

29 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying
30 defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid
31 by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due,
32 the Contractor. Such direct and indirect costs shall include in particular, but without limitation,
33 compensation for additional professional services required, and costs for repair and replacement of
34 work of others destroyed or damaged by correction, removal, or replacement of the Contractor's
35 unauthorized work.
36

37 No adjustment in contract time or compensation will be allowed because of the delay in the
38 performance of the work attributable to the exercise of the Contracting Agency's rights provided by
39 this Section.
40

41 The rights exercised under the provisions of this section shall not diminish the Contracting
42 Agency's right to pursue any other avenue for additional remedy or damages with respect to the
43 Contractor's failure to perform the work as required.
44

45 **1-05.13 Superintendents, Labor and Equipment of Contractor**

46 (August 14, 2013 APWA GSP)
47

48 Delete the sixth and seventh paragraphs of this section.
49

50 **1-05.14 Cooperation With Other Contractors**

1 Section 1-05.14 is supplemented with the following:
2 (March 13, 1995)

3 **Other Contracts Or Other Work**

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

7
8 \$\$ Utilities and/or Utility Contractors. The contractor's attention is directed to Section 1-07.17
9 these Special Provisions.\$\$

10 **1-05.15 Method of Serving Notices**

11 (March 25, 2009 APWA GSP)

12 Revise the second paragraph to read:

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

21 **1-06, CONTROL OF MATERIAL**

22 **Buy America**

23 Section 1-06 is supplemented with the following:

24
25 (August 6, 2012)

26 In accordance with Buy America requirements contained in 23 CFR 635.410, the major quantities
27 of steel and iron construction material that is permanently incorporated into the project shall consist
28 of American-made materials only. Buy America does not apply to temporary steel items, e.g.,
29 temporary sheet piling, temporary bridges, steel scaffolding and falsework.
30

31
32 Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the
33 foreign material used does not exceed one-tenth of one percent of the total contract cost or
34 \$2,500.00, whichever is greater.

35
36 American-made material is defined as material having all manufacturing processes occurring
37 domestically. To further define the coverage, a domestic product is a manufactured steel material
38 that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories
39 and possessions of the United States.

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

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

1 painting, and any other coating that protects or enhances the value of steel or iron. Any process
2 from the original reduction from ore to the finished product constitutes a manufacturing process for
3 iron.

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

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

- 9
10 1. Production of steel by any of the following processes:
- 11 a. Open hearth furnace.
 - 12 b. Basic oxygen.
 - 13 c. Electric furnace.
 - 14 d. Direct reduction.
- 15
16
17
18
19 2. Rolling, heat treating, and any other similar processing.
- 20
21 3. Fabrication of the products.
- 22 a. Spinning wire into cable or strand.
 - 23 b. Corrugating and rolling into culverts.
 - 24 c. Shop fabrication.
- 25
26
27
28
29

30 A certification of materials origin will be required for any items comprised of, or containing, steel or
31 iron construction materials prior to such items being incorporated into the permanent work. The
32 certification shall be on DOT Form 350-109EF provided by the Engineer, or such other form the
33 Contractor chooses, provided it contains the same information as DOT Form 350-109EF.
34

35 **1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

36 **1-07.1 Laws to be Observed** 37 *(October 1, 2005 APWA GSP)*

38 Supplement this section with the following:
39

40 In cases of conflict between different safety regulations, the more stringent regulation shall apply.
41

42 The Washington State Department of Labor and Industries shall be the sole and paramount
43 administrative agency responsible for the administration of the provisions of the Washington
44 Industrial Safety and Health Act of 1973 (WISHA).
45

46 The Contractor shall maintain at the project site office, or other well known place at the project site,
47 all articles necessary for providing first aid to the injured. The Contractor shall establish, publish,
48 and make known to all employees, procedures for ensuring immediate removal to a hospital, or
49 doctor's care, persons, including employees, who may have been injured on the project site.
50
51

1 Employees should not be permitted to work on the project site before the Contractor has
2 established and made known procedures for removal of injured persons to a hospital or a doctor's
3 care.

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

13 **1-07.2 State Taxes**

14
15 Delete this section, including its sub-sections, in its entirety and replace it with the following:

16 **1-07.2 State Sales Tax** 17 *(June 27, 2011 APWA GSP)*

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

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

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

35 **1-07.2(1) State Sales Tax — Rule 171**

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

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

1 their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and
2 disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph,
3 electrical power distribution lines, or other conduits or lines in or above streets or roads, unless
4 such power lines become a part of a street or road lighting system; and installing or attaching of any
5 article of tangible personal property in or to real property, whether or not such personal property
6 becomes a part of the realty by virtue of installation.

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

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

18 19 **1-07.2(3) Services**

20
21 The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly
22 for professional or other services (as defined in Washington State Department of Revenue Rules
23 138 and 244).

24 25 **1-07.5 Environmental Regulations**

26 Section 1-07.5 is supplemented with the following:

27
28 (August 3, 2009)

29 **Environmental Commitments**

30 The following Provisions summarize the requirements, in addition to those required elsewhere in
31 the Contract, imposed upon the Contracting Agency by the various documents referenced in the
32 Special Provision PERMITS AND LICENSES. Throughout the work, the Contractor shall comply
33 with the following requirements:

34 35 **General**

36 The Contractor shall ensure that the Project Manager representing the Prime Contractor and
37 all Subcontractors has read and understands this Special Provision. Prior to commencing any
38 work on site, the Contractor shall provide the Engineer with a signed statement from the
39 Project Manager stating that the Project Manager has read, understands and will abide by the
40 conditions of this Special Provision.

41 42 **Wetlands and Water Quality**

43 The following restrictions and requirements pertain to work throughout the project limits:

44
45 (August 3, 2009)

46 During any operation involving saw cutting of concrete, all water generated by the cutting
47 operation shall be controlled and contained, to be disposed of on land with no possibility
48 of entry to waters of the State, including wetlands.

49
50 (August 3, 2009)

51 No Contractor staging areas will be allowed within *** 50 *** feet of any waters of the
52 State including wetlands. Refueling or storage of hazardous substances shall occur at
53 least 200 feet away from any waters of the State including wetlands. All staging,

1 stockpile and refueling areas shall be within the limits of the Area of Potential Effect
2 depicted on the TESC Plans.

3
4 (August 3, 2009)

5 **Payment**

6
7 All costs to comply with this special provision for the environmental commitments and
8 requirements are incidental to the contract and are the responsibility of the Contractor. The
9 Contractor shall include all related costs in the associated bid prices of the contract.

10
11 **1-07.7 Load Limits**

12 Section 1-07.7 is supplemented with the following:

13
14 (*****)

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

18
19 Any vehicle providing material paid for by the ton, on the project, will provide licensed tonnage
20 for that vehicle.

21
22 **1-07.9 Wages**

23
24 **General**

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

26
27 (January 6, 2017)

28 The Federal wage rates incorporated in this contract have been established by the Secretary
29 of Labor under United States Department of Labor General Decision No. WA170001.

30
31 The State rates incorporated in this contract are applicable to all construction activities
32 associated with this contract.

33
34 (April 2, 2007)

35 **Application of Wage Rates for the Occupation of Landscape Construction**

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

38
39 Landscape Construction, which includes several different occupation descriptions such
40 as: Irrigation and Landscape Plumbers, Irrigation and Landscape Power Equipment
41 Operators, and Landscaping or Planting Laborers.

42
43 In addition, federal wage rates that are included in this contract may also include occupation
44 descriptions in Federal Occupational groups for work also specifically identified with
45 landscaping such as:

46
47 Laborers with the occupation description, Landscaping or Planting, or

48
49 Power Equipment Operators with the occupation description, Mulch Seeding Operator.

50
51 If Federal wage rates include one or more rates specified as applicable to landscaping work,
52 then Federal wage rates for all occupation descriptions, specific or general, must be

1 considered and compared with corresponding State wage rates. The higher wage rate, either
2 State or Federal, becomes the minimum wage rate for the work performed in that occupation.
3

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

14 **1-07.11 Requirements For Nondiscrimination**

15 Section 1-07.11 is supplemented with the following:

16 (August 5, 2013)

17 Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order
18 11246)
19

- 20
- 21 1. The Contractor's attention is called to the Equal Opportunity Clause and the Standard Federal
22 Equal Employment Opportunity Construction Contract Specifications set forth herein.
23
 - 24 2. The goals and timetables for minority and female participation set by the Office of Federal
25 Contract Compliance Programs, expressed in percentage terms for the Contractor's
26 aggregate work force in each construction craft and in each trade on all construction work in
27 the covered area, are as follows:
28

29 Women - Statewide

30 Timetable

Goal

31 Until further notice

32 6.9%

33 Minorities - by Standard Metropolitan Statistical Area (SMSA)

34 Spokane, WA:

35 SMSA Counties:

36 Spokane, WA

37 2.8

38 WA Spokane.

39 Non-SMSA Counties

40 3.0

41 WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA Lincoln, WA
42 Pend Oreille; WA Stevens; WA Whitman.
43

44 Richland, WA

45 SMSA Counties:

46 Richland Kennewick, WA

47 5.4

48 WA Benton; WA Franklin.

49 Non-SMSA Counties

50 3.6

WA Walla Walla.

| | | |
|----|--|-----|
| 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 Lewis; | |
| 16 | WA Mason; WA Pacific; WA San Juan; WA Skagit; WA Thurston; WA Whatcom. | |
| 17 | | |
| 18 | Portland, OR: | |
| 19 | SMSA Counties: | |
| 20 | Portland, OR-WA | 4.5 |
| 21 | WA Clark. | |
| 22 | Non-SMSA Counties | 3.8 |
| 23 | WA Cowlitz; WA Klickitat; WA Skamania; WA Wahkiakum. | |

24

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

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

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

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

29 Programs.

30

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

32 4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative

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

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

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

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

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

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

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

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

41 performed.

- 42
- 43 3. The Contractor shall provide written notification to the Office of Federal Contract Compliance
- 44 Programs (OFCCP) within 10 working days of award of any construction subcontract in
- 45 excess of \$10,000 or more that are Federally funded, at any tier for construction work under
- 46 the contract resulting from this solicitation. The notification shall list the name, address and
- 47 telephone number of the Subcontractor; employer identification number of the Subcontractor;
- 48 estimated dollar amount of the subcontract; estimated starting and completion dates of the
- 49 subcontract; and the geographical area in which the contract is to be performed. The
- 50 notification shall be sent to:

51 U.S. Department of Labor

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

8 Additional information may be found at the U.S. Department of Labor website:
9 <http://www.dol.gov/ofccp/TAguides/ctaguide.htm>
10

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

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

- 17 1. As used in these specifications:
18

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

- 44 2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work
45 involving any construction trade, it shall physically include in each subcontract in excess of
46 \$10,000 the provisions of these specifications and the Notice which contains the applicable
47 goals for minority and female participation and which is set forth in the solicitations from which
48 this contract resulted.
49
50 3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by
51 the U.S. Department of Labor in the covered area either individually or through an
52 association, its affirmative action obligations on all work in the Plan area (including goals and

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

- 10
- 11 4. The Contractor shall implement the specific affirmative action standards provided in
12 paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation from
13 which this contract resulted are expressed as percentages of the total hours of employment
14 and training of minority and female utilization the Contractor should reasonably be able to
15 achieve in each construction trade in which it has employees in the covered area. Covered
16 construction contractors performing construction work in geographical areas where they do
17 not have a Federal or federally assisted construction contract shall apply the minority and
18 female goals established for the geographical area where the work is being performed. The
19 Contractor is expected to make substantially uniform progress in meeting its goals in each
20 craft during the period specified.
- 21
- 22 5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with
23 whom the Contractor has a collective bargaining agreement, to refer either minorities or
24 women shall excuse the Contractor's obligations under these specifications, Executive Order
25 11246, or the regulations promulgated pursuant thereto.
- 26
- 27 6. In order for the nonworking training hours of apprentices and trainees to be counted in
28 meeting the goals, such apprentices and trainees must be employed by the Contractor during
29 the training period, and the Contractor must have made a commitment to employ the
30 apprentices and trainees at the completion of their training, subject to the availability of
31 employment opportunities. Trainees must be trained pursuant to training programs approved
32 by the U.S. Department of Labor.
- 33
- 34 7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity.
35 The evaluation of the Contractor's compliance with these specifications shall be based upon
36 its effort to achieve maximum results from its action. The Contractor shall document these
37 efforts fully, and shall implement affirmative action steps at least as extensive as the following:
- 38
- 39 a. Ensure and maintain a working environment free of harassment, intimidation, and
40 coercion at all sites, and in all facilities at which the Contractor's employees are
41 assigned to work. The Contractor, where possible, will assign two or more women to
42 each construction project. The Contractor shall specifically ensure that all foremen,
43 superintendents, and other on-site supervisory personnel are aware of and carry out
44 the Contractor's obligation to maintain such a working environment, with specific
45 attention to minority or female individuals working at such sites or in such facilities.
- 46
- 47 b. Establish and maintain a current list of minority and female recruitment sources,
48 provide written notification to minority and female recruitment sources and to
49 community organizations when the Contractor or its unions have employment
50 opportunities available, and maintain a record of the organizations' responses.
- 51

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

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

1 **1-07.11 Requirements for Nondiscrimination**

2 *(August 15, 2016 APWA GSP, Option B)*

3
4 Supplement this section with the following:

5
6 **Disadvantaged Business Enterprise Condition of Award Participation**

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

12
13 **DBE Abbreviations and Definitions**

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

19
20 **Disadvantaged Business Enterprise (DBE)** – A business firm certified by the
21 Washington State Office of Minority and Women's Business Enterprises, as meeting the
22 criteria outlined in 49 CFR 26 regarding DBE certification.

23
24 **Commercially Useful Function (CUF)**

25 49 CFR 26.55(c)(1) defines commercially useful function as: "A DBE performs a
26 commercially useful function when it is responsible for execution of the work of the
27 contract and is carrying out its responsibilities by actually performing, managing, and
28 supervising the work involved. To perform a commercially useful function, the DBE must
29 also be responsible, with respect to materials and supplies used on the contract, for
30 negotiating price, determining quality and quantity, ordering the material, and installing
31 (where applicable) and paying for the material itself. To determine whether a DBE is
32 performing a commercially useful function, you must evaluate the amount of work
33 subcontracted, industry practices, whether the amount the firm is to be paid under the
34 contract is commensurate with the work it is actually performing and the DBE credit
35 claimed for its performance of the work, and other relevant factors."

36
37 **Contract**

38 Per 49 CFR 26, a contract is a legally binding relationship obligating a seller to furnish
39 supplies or services (including, but not limited to, construction and professional services)
40 and the buyer to pay for them. For purposes of this part, a lease is considered to be a
41 contract.

42
43 **DBE Commitment** – The dollar amount the Contractor indicates they will be
44 subcontracting to be applied towards the DBE Condition of Award Goal as shown on the
45 DBE Utilization Certification Form, and in the Bid Item breakdown for each DBE
46 Subcontractor. This DBE Commitment amount will be incorporated into the Contract and
47 shall be considered a Contract requirement. Any changes to the DBE Commitment shall
48 require Engineer's approval.

49
50 **DBE Condition of Award (COA) Goal** – An assigned numerical percentage of the Bid
51 amount of the Contract. This is the minimum amount that the Bidder must commit to by

1 submission of the Utilization Certification Form and/or by Good Faith Effort (GFE). The
2 DBE COA Goal will also be applied to change orders associated with this Contract.

3
4 **DBE Directory of Certified Firms** – A publication listing all Minority, Women, and
5 Disadvantaged Business Enterprises currently certified by the Washington State Office of
6 Minority and Women’s Business Enterprises (OMWBE). The on-line Directory is available
7 to contractors for their use in identifying and soliciting interest from DBE firms whose
8 participation on a contract may be counted toward achievement of the assigned DBE
9 COA Goal, except in cases where the firm’s certification is temporarily suspended (refer
10 to OMWBE’s Suspension List at the Directory webpage).

11
12 **Description of Work** – Specific descriptions of work that the DBE is certified to perform,
13 as identified in the OMWBE Directory of Certified Firms, under the DBE’s profile page.

14
15 **Good Faith Efforts** – Efforts to achieve the DBE COA Goal or other requirements of this
16 part which, by their scope, intensity, and appropriateness to the objective, can reasonably
17 be expected to fulfill the program requirement.

18
19 **Manufacturer (DBE)** – A DBE firm that operates or maintains a factory or establishment
20 that produces on the premises the materials, supplies, articles, or equipment required
21 under the Contract. A DBE Manufacturer shall produce finished goods or products from
22 raw or unfinished material or purchase and substantially alters goods and materials to
23 make them suitable for construction use before reselling them.

24
25 **Regular Dealer (DBE)** – A DBE firm that owns, operates, or maintains a store,
26 warehouse, or other establishment in which the materials or supplies required for the
27 performance of a Contract are bought, kept in stock, and regularly sold to the public in the
28 usual course of business. To be a Regular Dealer, the DBE firm shall engage in, as its
29 principal business and in its own name, the purchase and sale of the products in
30 question. A Regular Dealer in such items as steel, cement, gravel, stone, and petroleum
31 products need not keep such products in stock if it owns or operates distribution
32 equipment. Brokers, manufacturers’ representatives, packagers or other persons who
33 arrange or expedite transactions shall not be regarded as Regular Dealers within the
34 meaning of this definition.

35
36 **DBE COA Goal**

37 The Contracting Agency has established a COA Contract Goal in the amount of:

38 *** 9% ***

39
40 **DBE Eligibility/Selection of DBEs**

41 A Directory of Certified Firms is available at the OMWBE web site. A description of specific
42 items of work that a DBE is certified to perform is shown in the directory on the DBE’s profile
43 page. DBE firms whose certification is temporarily suspended will not be considered for
44 purposes of meeting a COA DBE goal on new contracts.

45
46 **Crediting DBE Participation**

47 Subcontractors proposed as COA must be certified prior to the due date for bids on the
48 Contract. All non-COA DBE Subcontractors shall be certified before the subcontract on which
49 it is participating is executed.

1 DBE participation cannot be counted toward the Contractor's contract goal if the DBE firm's
2 certification is temporarily suspended (based on the date the Notice of Suspension was
3 issued).

4
5 DBE participation cannot be counted until the amount being counted has actually been paid to
6 the DBE (and the DBE performed a CUF).

7
8 The following are some examples of what may be counted as DBE participation. In all cases
9 the DBE must be certified for the work being considered and must be capable of performing a
10 CUF during the execution of the Work.

11
12 **DBE Prime Contractor**

13 A DBE Contractor may only take credit for that portion of the total dollar value of the
14 Contract equal to the distinct, clearly defined portion of the Work that the DBE performs
15 with its own forces.

16
17 **DBE Subcontractor**

18 Only that portion of the total dollar value of the subcontract equal to the distinct, clearly
19 defined portion of the Work that the DBE performs with its own forces. Include the cost of
20 supplies and materials obtained by the DBE for its work on the contract, and equipment
21 leased by the DBE.

22
23 DBEs may lease equipment from non-DBE firms (except from the prime contractor or its
24 affiliates). DBE credit will not be given in instances where the equipment lease includes
25 the operator. The DBE is expected to operate the equipment used in the performance of
26 its work under the contract, with its own forces. Formal lease agreements are required
27 and should be on a long-term basis. Equipment leased by the DBE on an ad-hoc basis
28 requires contracting agency approval. Situations where equipment is leased and used by
29 the DBE, but payment is deducted from the Contractor's payment to the DBE is not
30 allowed.

31 The supplies, materials, and equipment purchased or leased from the Contractor or its
32 affiliates shall not be credited (including any Contractor's resources made available to
33 DBE subcontractors at no cost).

34
35 If a DBE subcontracts a portion of the Work of its contract to another firm, the value of the
36 subcontracted Work may be counted toward the DBE COA Goal only if the DBE's Lower-
37 Tier Subcontractor is also a DBE. Work subcontracted to a non-DBE does not count
38 towards the DBE COA Goal.

39
40 Count expenditures toward DBE COA Goal only if the DBE is performing a commercially
41 useful function (CUF) on that contract.

42
43 **DBE Subcontract and Lower Tier Subcontract Documents**

44 There must be a subcontract agreement that complies with 49 CFR Part 26 and fully
45 describes the distinct elements of Work committed to be performed by the DBE. The
46 subcontract agreement shall incorporate requirements of the primary Contract.
47 Subcontract agreements of all tiers, including lease agreements shall be readily available
48 at the project site for the Engineer review.

49
50 **DBE Broker/Packager**

51 The value of fees or commissions charged by a DBE Broker or a DBE behaving in a
52 manner of a Broker for providing a bona fide service, such as professional, technical,

1 consultant, managerial services, or for providing bonds or insurance specifically required
2 for the performance of the contract will only be credited towards meeting the DBE COA
3 Goal if the fee/commission is determined to be reasonable, and the firm is determined to
4 be performing a CUF.

5
6 **Force Account Work**

7 When the Contractor elects to utilize force account Work to meet the DBE COA Goal, as
8 demonstrated by listing this force account Work on the DBE Utilization Certification Form,
9 for the purposes of meeting DBE COA Goal, only 50% of the Proposal amount shall be
10 credited toward the Contractors Commitment to meet the DBE COA Goal.

11
12 One hundred percent of the actual amounts paid to the DBE for the force account Work
13 shall be credited towards DBE COA Goal.

14
15 **Flagging**

16 If the DBE firm is being utilized in the capacity of "Flagging" only, the DBE firm must
17 provide a Traffic Control Supervisor (TCS) and flagger, which are under the direct control
18 of the DBE. The DBE firm will also provide all flagging equipment (e.g. paddles, hard
19 hats, and vests).

20
21 If the DBE firm is being utilized in the capacity of "Traffic Control Services", the DBE firm
22 must provide a TCS, flaggers, and traffic control items (e.g. cones, barrels, signs, etc.)
23 and be in total control of all items in implementing the traffic control for the project. If the
24 DBE firm utilizes the Contractor's equipment, such as Transportable Attenuators and
25 Portable Changeable Message Signs (PCMS) no DBE credit can be taken for supplying
26 and operating the items.

27
28 **Trucking**

29 The DBE trucking firm must own and operate at least one licensed, insured and
30 operational truck on the contract. The DBE receives credit for the value of the
31 transportation services it provides on the Contract using trucks it owns, licenses, insures,
32 and operates with drivers it employs.

33
34 The DBE may lease trucks from another DBE firm. The Work that a DBE trucking firm
35 performs with trucks it leases from other certified DBE trucking firms qualify for 100%
36 DBE credit.

37
38 The DBE may lease trucks from a non-DBE truck leasing company, but can only receive
39 DBE credit for the value of the hauling services if the DBE uses its own employees as
40 drivers.

41
42 The trucking Work subcontracted to any non-DBE trucking firm will not receive credit for
43 Work done on the project.

44
45 Truck registration and lease agreements shall be readily available at the project site for
46 the Engineer review.

47
48 DBE participation of trucking firms can only be applied to the value of the hauling
49 services, not for the materials being hauled (unless the trucking firm is also certified as a
50 supplier). In situations where the DBE's work is priced per ton, the value of hauling must
51 be calculated separately from the value of the materials in order to determine DBE credit
52 for hauling.

1
2 **DBE Manufacturer and DBE Regular Dealer**

3 If materials or supplies are obtained from a DBE Manufacturer, 100 percent of the cost of
4 materials or supplies can count toward the DBE COA Goal. The DBE Manufacturer shall
5 be certified as such by OMWBE.
6

7 Sixty percent (60%) of the cost of materials or supplies purchased from a DBE Regular
8 Dealer may be credited toward meeting the DBE COA Goal. If the role of the DBE
9 Regular Dealer is determined to be that of a pass-through, then no DBE credit will be
10 given for its services. Regular Dealer status and the amount of credit is determined on a
11 Contract-by-Contract basis.
12

13 A firm wishing to be approved as a Regular Dealer for a specific project must submit a
14 request in writing to WSDOT for approval, no later than ten working days prior to Bid
15 opening. The Approved Regular Dealers List is published on WSDOT's Office of Equal
16 Opportunity (OEO) web site.
17

18 Purchase of materials or supplies from a DBE which is neither a manufacturer nor a
19 regular dealer, (i.e. Broker) only the fees or commissions charged for assistance in the
20 procurement of the materials and supplies, or fees or transportation charges for the
21 delivery of materials or supplies required on a job site, can count toward DBE COA Goal,
22 provided the fees are not excessive as compared with fees customarily allowed for similar
23 services. The cost of the materials and supplies themselves cannot be counted toward
24 DBE COA Goal.
25

26 Note: Requests to be listed as a Regular Dealer will only be processed if the requesting
27 firm is certified by the Office of Minority and Women's Business Enterprises in a
28 NAICS code that fall within the 42XXXX NAICS Wholesale code section.
29

30 **Disadvantaged Business Enterprise Utilization Certification FORM # 272-056 EF**

31 To be eligible for award of the Contract, the Bidder shall properly complete and submit a
32 Disadvantaged Business Enterprise Utilization Certification with the Bidder's sealed Bid
33 Proposal, as specified in Section 1-02.9 Delivery of Proposal. The Bidder's Disadvantaged
34 Business Enterprise Utilization Certification must clearly demonstrate how the Bidder intends
35 to meet the DBE COA Goal. A Disadvantaged Business Enterprise Utilization Certification
36 (WSDOT Form 272-056 EF) is included in your Proposal package for this purpose as well as
37 instructions on how to properly fill out the form.
38

39 The Bidder is advised that the items listed below when listed in the Utilization Certification
40 must have their amounts reduced to the percentages shown and those reduced amounts will
41 be the amount applied towards meeting the DBE COA Goal.
42

- 43
- 44 • Force account at 50%
 - 45 • Regular dealer at 60%
- 46

47 In the event of arithmetic errors in completing the Disadvantaged Business Enterprise
48 Utilization Certification the amount listed to be applied towards the DBE COA Goal for each
49 DBE shall govern and the DBE total amount shall be adjusted accordingly.
50

51 Note: The Contracting Agency shall consider as non-responsive and shall reject any
52 Bid Proposal submitted that does not contain a Disadvantaged Business

Enterprise Utilization Certification Form that accurately demonstrates how the Bidder intends to meet the DBE COA Goal.

Disadvantaged Business Enterprise Written Confirmation Document(s) FORM # 422-031 EF

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

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

A Disadvantaged Business Enterprise Written Confirmation Document (form No. 422-031 EF) is included in your Proposal package for this purpose.

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

It is prohibited for the Bidder to require a DBE to submit a Written Confirmation Document with any part of the form left blank. Should the Contracting Agency determine that a Written Confirmation Document was signed by a DBE that was not complete; the validity of the document comes into question and the associated DBE participation may not receive credit.

Selection of Successful Bidder/Good Faith Efforts (GFE)

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

Achieving the DBE COA Goal may be accomplished in one of two ways, as follows:

1. By meeting the DBE COA Goal

The best indication of GFE is to document, through submission of the Disadvantaged Business Enterprise Utilization Certification and supporting Disadvantaged Business Enterprise Written Confirmation Document(s) that the Bidder has obtained enough DBE participation to meet or exceed the assigned DBE COA Goal. That being the case, no additional GFE documentation is required. Or;

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

The Bidder may demonstrate a GFE in whole or part through GFE documentation ONLY IN THE EVENT a Bidder's efforts to solicit sufficient DBE participation have been unsuccessful. In this case, the Bidder must supply GFE documentation in addition to the Disadvantaged Business Enterprise Utilization Certification, and supporting Disadvantaged Business Enterprise (DBE) Written Confirmation Document(s).

1 Note: In the case where the Bidder was awarded the contract based on demonstrating
2 adequate GFE the advertised DBE COA Goal will not be reduced to the Bidder's
3 partial commitment. Further, the Bidder shall demonstrate a GFE during the life
4 of the Contract to attain the DBE COA Goal as assigned to the project.

5
6 GFE documentation shall be received, as specified in the special provisions for Section 1-02.9
7 Delivery of Proposal.

8
9 Based upon all the relevant documentation submitted in Bid or as a supplement to Bid, the
10 Contracting Agency shall determine whether the Bidder has demonstrated sufficient GFE to
11 achieve DBE participation. The Contracting Agency will make a fair and reasonable judgment
12 of whether a Bidder that did not meet the DBE COA Goal through participation, made
13 adequate good faith efforts as demonstrated by the GFE documentation.

14
15 **Good Faith Effort (GFE) Documentation**

16 GFE is evaluated when determining award of a prime contract that has an assigned DBE goal;
17 when a COA DBE is terminated and substitution is required; and post award when
18 determining whether the Contractor has satisfied its DBE commitments.

19
20 The following is a list of types of actions, which would be considered as part of the Bidder's
21 GFE to achieve DBE participation. It is not intended to be a mandatory checklist, nor is it
22 intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in
23 appropriate cases. Responding to all GFE listed in 49 CFR Part 26, Appendix A does not, in
24 itself, demonstrate adequate good faith efforts.

- 25
26 1. Soliciting through all reasonable and available means (e.g. attendance at pre-bid
27 meetings, advertising and/or written notices) the interest of all certified DBEs who
28 have the capability to perform the Work of the Contract. The Bidder must solicit this
29 interest within sufficient time to allow the DBEs to respond to the solicitation. The
30 Bidder must determine with certainty if the DBEs are interested by taking appropriate
31 steps to follow up initial solicitations.
- 32
33 2. Selecting portions of the Work to be performed by DBEs in order to increase the
34 likelihood that the DBE COA Goal will be achieved. This includes, where appropriate,
35 breaking out contract Work items into economically feasible units to facilitate DBE
36 participation, even when the Contractor might otherwise prefer to perform these
37 Work items with its own forces.
- 38
39 3. Providing interested DBEs with adequate information about the Plans, Specifications,
40 and requirements of the Contract in a timely manner to assist them in responding to
41 a solicitation.
- 42
43 a. Negotiating in good faith with interested DBEs. It is the Bidder's responsibility to
44 make a portion of the Work available to DBE subcontractors and suppliers and
45 to select those portions of the Work or material needs consistent with the
46 available DBE subcontractors and suppliers, so as to facilitate DBE participation.
47 Evidence of such negotiation includes the names, addresses, and telephone
48 numbers of DBEs that were considered; a description of the information
49 provided regarding the Plans and Specifications for the Work selected for
50 subcontracting; and evidence as to why additional agreements could not be
51 reached for DBEs to perform the Work.

1 b. A Bidder using good business judgment would consider a number of factors in
2 negotiating with subcontractors, including DBE subcontractors, and would take a
3 firm's price and capabilities as well as the DBE COA Goal into consideration.
4 However, the fact that there may be some additional costs involved in finding
5 and using DBEs is not in itself sufficient reason for a Bidder's failure to meet the
6 DBE COA Goal, as long as such costs are reasonable. Also, the ability or desire
7 of a Contractor to perform the Work of a Contract with its own organization does
8 not relieve the Bidder of the responsibility to make Good Faith Efforts.
9 Contractors are not, however, required to accept higher quotes from DBEs if the
10 price difference is excessive or unreasonable.

- 11
- 12 4. Not rejecting DBEs as being unqualified without sound reasons based on a thorough
13 investigation of their capabilities. The Contractor's standing within its industry,
14 membership in specific groups, organizations, or associations and political or social
15 affiliations (for example union vs. non-union employee status) are not legitimate
16 causes for the rejection or non-solicitation of bids in the Contractor's efforts to meet
17 the DBE COA Goal.
- 18
- 19 5. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or
20 insurance as required by the recipient or Contractor.
- 21
- 22 6. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies,
23 materials, or related assistance or services.
- 24
- 25 7. Effectively using the services of available minority/women community organizations;
26 minority/women contractors' groups; local, State, and Federal minority/women
27 business assistance offices; and other organizations as allowed on a case-by-case
28 basis to provide assistance in the recruitment and placement of DBEs.
- 29
- 30 8. Documentation of GFE must include copies of each DBE and non-DBE subcontractor
31 quotes submitted to the Bidder when a non-DBE subcontractor is selected over a
32 DBE for Work on the Contract. (ref. updated DBE regulations – 26.53(b)(2)(vi) &
33 App. A)

34

35 **Administrative Reconsideration of GFE Documentation**

36 Any Bidder has the right to reconsideration but only for the purpose of reassessing the GFE
37 documentation that was originally submitted with their Bid, and determined to be inadequate.

- 38
- 39 • The Bidder must request within 48 hours of GFE determination and schedule a
40 reconsideration hearing within seven calendar days of notification of being
41 nonresponsive or forfeit the right to reconsideration.
 - 42
 - 43 • The reconsideration decision on the adequacy of the Bidder's GFE documentation
44 shall be made by an official who did not take part in the original determination.
 - 45
 - 46 • Only the GFE documentation submitted and evaluated to meeting the required DBE
47 COA Goal shall be considered. Bidder shall not introduce new documentation at the
48 reconsideration hearing.
 - 49
 - 50 • The Bidder shall have the opportunity to meet in person with the official for the
51 purpose of setting forth the Bidder's position as to why the GFE documentation
52 demonstrates a sufficient effort.

- 1
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5
- The reconsideration official shall provide the Bidder with a written decision on reconsideration within five working days of the hearing explaining the basis for their finding.

6
7

Procedures between Award and Execution

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

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1. Additional information for all successful DBEs as shown on the Disadvantaged Business Enterprise Utilization Certification:
 - a. Correct business name, federal employee identification number (if available), and mailing address.
 - b. List of all Bid items (with a clear description of the Work to be performed) assigned to each successful DBE, including the dollar value.
 - c. Description of partial items (if any) to be sublet to each successful DBE specifying the Work committed under each item to be performed and including the dollar value of the DBE portion.
 - d. Total amounts shown for each DBE shall match the amount shown on the Disadvantaged Business Enterprise Utilization Certification. A breakdown that does not conform to the Disadvantaged Business Enterprise Utilization Certification or that demonstrates a different amount of DBE participation than that included in the Disadvantaged Business Enterprise Utilization Certification will be returned for correction.
 2. A list of all firms who submitted a bid or quote in attempt to participate in this project whether they were successful or not. Include the business name and mailing address.

35
36
37
38

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

39

Procedures after Execution

40

Commercially Useful Function (CUF)

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The Contractor may only take credit for the payments made for Work performed by a DBE that is determined to be performing a CUF. This applies to all DBEs performing Work on a project, whether or not the DBEs are COA, if the Contractor wants to receive credit for their participation. The Engineer will conduct CUF reviews to ascertain whether DBEs are performing a CUF. A DBE performs a CUF when it is carrying out its responsibilities of its contract by actually performing, managing, and supervising the Work involved. The DBE must be responsible for negotiating price; determining quality and quantity; ordering the material and installing (where applicable); and paying for the material itself. If a DBE does not perform "all" of these functions on a furnish-and-install contract, it has not performed a CUF and the cost of materials cannot be counted toward DBE COA Goal. Leasing of equipment from a leasing company is allowed. However,

1 leasing/purchasing equipment from the Contractor is not allowed. Lease agreements
2 shall be readily available for review by the Engineer.

3
4 In order for a DBE traffic control company to be considered to be performing a CUF, the
5 DBE must be in control of its work inclusive of supervision. The DBE shall employ a
6 Traffic Control Supervisor who is directly involved in the management and supervision of
7 the traffic control employees and services.

8
9 The DBE does not perform a CUF if its role is limited to that of an extra participant in a
10 transaction, contract, or project through which the funds are passed in order to obtain the
11 appearance of DBE participation.

12
13 The Engineer will use the following factors in determining whether a DBE trucking
14 company is performing a CUF:

- 15
16 • The DBE shall be responsible for the management and supervision of the entire
17 trucking operation. The owner demonstrates business related knowledge,
18 shows up on site and is active in running the business.
- 19
20 • The DBE finances are independently controlled by the DBE.
- 21
22 • The DBE shall with its own workforce, operate at least one fully licensed,
23 insured, and operational truck used on the Contract. Employees are shown
24 exclusively on the DBE payroll.
- 25
26 • The DBE may lease trucks without drivers from a non-DBE truck leasing
27 company. If the DBE leases trucks from a non-DBE truck leasing company and
28 uses its own employees as drivers, it is entitled to credit for the total value of
29 these hauling services.
- 30
31 • Lease agreements for trucks shall indicate that the DBE has exclusive use of
32 and control over the truck. This does not preclude the leased truck from working
33 for others provided it is with the consent of the DBE and the lease provides the
34 DBE absolute priority for use of the leased truck.
- 35
36 • Leased trucks shall display the name and identification number of the DBE.
- 37
38 • Leased trucks shall be driven by DBE employees included in the DBE's payroll.

39
40 The DBE may lease trucks from another DBE including a DBE owner-operator. The DBE
41 who leases trucks from another DBE shall claim participation for the total value of the
42 transportation services the lessee DBE provides on the Contract.

43 **Joint Checking**

44 A joint check is a two-party check between a DBE, a prime contractor and the supplier of
45 material/supplies. The check is issued by the Contractor as payor to the DBE
46 Subcontractor and the material supplier jointly (to guarantee payment to the supplier) for
47 items to be incorporated into the project. The DBE must release the check to the
48 supplier, while the Contractor acts solely as the guarantor.

1 A joint check agreement signed by all parties involved must be requested using the DBE
2 Joint Check Request Form (# 272-053). The Joint Check Request Form and the Joint
3 Check Agreement Form must be submitted and approved by the Engineer prior to its use.
4

5 The approval to use joint checks and the use will be closely monitored by the Engineer.
6 To receive DBE credit for performing a CUF with respect to obtaining materials and
7 supplies, a DBE must "be responsible for negotiating price, determining quality and
8 quantity, ordering the material and installing (where applicable) and paying for the
9 material itself."
10

11 Material costs paid by the Contractor directly to the material supplier are not allowed. If
12 proper procedures are not followed or the Engineer determines that the arrangement
13 results in lack of independence for the DBE involved, no DBE credit will be given for the
14 DBE's participation as it relates to the material cost.
15

16 **Prompt Payment**

17 Refer to Section 1-08.1 for Prompt Payment requirements associated with this contract.
18

19 **Reporting**

20 All certified DBE Work whether COA or race neutral participation is reported. The
21 Contractor shall submit a Monthly Report of Amounts Credited as DBE Participation (form
22 #422-103) to the Project Engineer each month, regardless of whether payments were
23 made or Work occurred, between Execution of the Contract and the final amounts paid to
24 DBE contractor or Completion of the Contract. In the event that the payments to a DBE
25 contractor have been made by an entity other than the Contractor, as in the case of a
26 lower-tier Subcontractor or supplier, then the Contractor shall obtain evidence of
27 payments from the paying entity and report these payments to the Engineer as described
28 above on form #422-103. The monthly report is due 20 calendar days following the end
29 of the month.
30

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

32 The Contractor shall utilize the COA DBEs to perform the work and supply the materials for
33 which each is committed unless approved by the Engineer. The Contractor shall not be
34 entitled to any payment for work or material completed by the Contractor or subcontractors
35 that was committed to be completed by the COA DBEs.
36

37 **Owner Initiated Changes**

38 The Engineer will consider the impact on DBE participation in instances where the
39 Engineer changes Work that was committed to a DBE at the time of Contract Award. In
40 such instances, the Contractor shall not be required to substitute for the Work but is
41 encouraged to do so. The Engineer may direct DBE participation or solicitation of DBEs
42 as part of a change order.
43

44 **Contractor-Initiated Changes**

45 The Contractor cannot reduce the amount of work of a COA DBE without good cause,
46 even if the Contractor continues to meet the DBE COA Commitment through other
47 means. Reducing a COA DBE's Commitment is viewed as a partial DBE termination,
48 subject to the procedures below.
49

1 **Original Quantity Underruns**

2 In the event that Work committed to a DBE firm as part of the COA underruns the original
3 planned quantities the Contractor is encouraged to substitute the remaining applicable
4 Work to another DBE but is not required to do so.

5
6 **Contractor Proposed DBE Substitutions**

7 Requests to substitute a COA DBE must be for good cause (see DBE termination
8 process below), and requires the written approval of the Engineer. After receiving a
9 termination with good cause approval, the Contractor may only replace a DBE with
10 another certified DBE. When any changes encountered between Contract Award and
11 Execution that result in a substitution of COA DBE, the substitute DBE shall be certified
12 prior to the due date for bids on the Contract.

13
14 **DBE Termination**

15 Termination of a COA DBE (or an approved substitute DBE) is only allowed in whole or in
16 part with prior written approval of the Engineer. If the Contractor terminates a COA DBE
17 without the written approval of the Engineer, the Contractor shall not be entitled to any
18 payment for work or material performed/supplied by the COA DBE.

19
20 The Contractor must have good cause to terminate a COA DBE.

21
22 Good cause typically includes situations where the DBE Subcontractor is unable or
23 unwilling to perform the work of its subcontract. Good cause may exist if:

- 24
25
- The DBE fails or refuses to execute a written contract.
 - The DBE fails or refuses to perform the Work of its subcontract in a way
26 consistent with normal industry standards.
 - The DBE fails or refuses to meet the Contractor's reasonable nondiscriminatory
27 bond requirements.
 - The DBE becomes bankrupt, insolvent, or exhibits credit unworthiness.
 - The DBE is ineligible to work on public works projects because of suspension
28 and debarment proceedings pursuant to federal law or applicable State law.
 - The DBE voluntarily withdraws from the project, and provides written notice of its
29 withdrawal.
 - The DBE's work is deemed unsatisfactory by the Engineer and not in
30 compliance with the contract.
 - The DBE's owner dies or becomes disabled with the result that the DBE is
31 unable to complete its Work on the contract.
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47 Good cause does not exist if:

- 48
49
- The Contractor seeks to terminate a COA DBE so that the Contractor can self-
50 perform the Work.
- 51

- The Contractor seeks to terminate a COA DBE so the Contractor can substitute another DBE contractor or non-DBE contractor after Contract Award.
- The failure or refusal of the COA DBE to perform its Work on the subcontract results from the bad faith or discriminatory action of the Contractor (e.g., the failure of the Contractor to make timely payments or the unnecessary placing of obstacles in the path of the DBE's Work).

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

When a COA DBE is terminated, or fails to complete its work on the contract for any reason, the Contractor shall substitute with another DBE, substitute other DBE participation or provide documentation of GFE. A plan to achieve the COA DBE Commitment shall be submitted to the Engineer within 2 working days of the approval of termination or the Contract shall be suspended until such time the substitution plan is submitted.

Decertification/Graduation

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

Consequences of Non-Compliance

Breach of Contract

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

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

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

Notice

If the Contractor or any Subcontractor, Consultant, Regular Dealer, or service provider is deemed to be in non-compliance, the Contractor will be informed in writing, by certified

1 mail by the Engineer that sanctions will be imposed for failure to meet the DBE COA
2 Commitment and/or submit documentation of good faith efforts. The notice will state the
3 specific sanctions to be imposed which may include impacting a Contractor or other
4 entity's ability to participate in future contracts.
5

6 **Sanctions**

7 If it is determined that the Contractor's failure to meet all or part of the DBE COA Commitment
8 is due to the Contractor's inadequate good faith efforts throughout the life of the Contract,
9 including failure to submit timely, required Good Faith Efforts information and documentation,
10 the Contractor may be required to pay DBE penalty equal to the amount of the unmet
11 Commitment, in addition to the sanctions outlined in Section 1-07.11(5).
12

13 **Payment**

14 Compensation for all costs involved with complying with the conditions of this Specification
15 and any other associated DBE requirements is included in payment for the associated
16 Contract items of Work, except otherwise provided in the Specifications.
17

18 **1-07.12 Federal Agency Inspection**

19 Section 1-07.12 is supplemented with the following:
20

21 (January 25, 2016)

22 **Required Federal Aid Provisions**

23 The Required Contract Provisions Federal Aid Construction Contracts (FHWA 1273) Revised May
24 1, 2012 and the amendments thereto supersede any conflicting provisions of the Standard
25 Specifications and are made a part of this Contract; provided, however, that if any of the provisions
26 of FHWA 1273, as amended, are less restrictive than Washington State Law, then the Washington
27 State Law shall prevail.
28

29 The provisions of FHWA 1273, as amended, included in this Contract require that the Contractor
30 insert the FHWA 1273 and amendments thereto in each Subcontract, together with the wage rates
31 which are part of the FHWA 1273, as amended. Also, a clause shall be included in each
32 Subcontract requiring the Subcontractors to insert the FHWA 1273 and amendments thereto in any
33 lower tier Subcontracts, together with the wage rates. The Contractor shall also ensure that this
34 section, **REQUIRED FEDERAL AID PROVISIONS**, is inserted in each Subcontract for
35 Subcontractors and lower tier Subcontractors. For this purpose, upon request to the Project
36 Engineer, the Contractor will be provided with extra copies of the FHWA 1273, and amendments
37 thereto, the applicable wage rates, and this Special Provision.
38

39 **1-07.15, Temporary Water Pollution/Erosion Control**

40 **1-07.15(1) Spill Prevention, Control and Countermeasures Plan**

41 Section 1-07.15(1) is supplemented with the following:
42

43 (August 3, 2009)

44 The Contractor shall address the following items in the SPCC Plan in addition to the requirements
45 of Section 1-07.15(1):
46

47 **Mixing, Transfers, & Storage**

- 48 1. All oil, fuel or chemical storage tanks or containers shall be diked and located on
49 impervious surfaces so as to prevent spill from escaping.
50
51

2. All liquid products shall be stored and mixed on impervious surfaces in a secure water tight environment and provide containment to handle the maximum volume of liquid products on site at any given time.
3. Proper security shall be maintained to prevent vandalism.
4. Drip pans or other protective devices shall be required for all transfer operations.

Spills

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

Maintenance of Equipment

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

Disposal

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

Reporting and Cleanup

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

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

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

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

| | |
|-----------------------------------|----------------|
| Ecology Southwest Regional Office | (360) 407-6300 |
|-----------------------------------|----------------|

Report immediately if threatening to health or environment (i.e., explosive, flammable, toxic vapors, shallow groundwater, nearby creek), otherwise within 90 days

1-07.17 Utilities And Similar Facilities

(April 2, 2007)

Section 1-07.17 is supplemented with the following:

A 6" gas main has been identified as in proximity of the dig area. Locations and dimensions shown in the Plan for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

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

1
2 **Lewis County P.U.D. No. 1**
3 **321 NW Pacific**
4 **Chehalis, WA 98532**
5 **Marvin Keller**
6 **Telephone: (360) 748-9261**

Local Access
1417 Kresky Ave. Suite 1
Centralia, WA 98531

7
8
9 **Centurylink**
10 **Dena Overaa**
11 **8102 Skansie Ave.**
12 **Gig Harbor, WA 98332-9904**
13 **Telephone: (425) 247-6248**

14
15 **Puget Sound Energy**
16 **2711 Pacific Ave. S.E.**
17 **Olympia, WA 98501**
18 **You must contact Puget Sound Energy**
19 **Public Improvement Inspector**
20 ***Rich Eberly (253)405-7338***
21 **Rick Shillander**
22 **Telephone: (360) 239-0928**

23
24 **Comcast of Washington IV, Inc.**
25 **440 Yauger Way SW**
26 **Olympia, WA 98502**
27 **Mark Torres**
28 **Telephone: (206) 396-9334**

29
30 **City of Chehalis**
31 **Water/Sewer Department**
32 **2007 N. E. Kresky Avenue**
33 **Chehalis, WA 98532**
34 **Telephone: (360) 748-0238**

35
36 The Contractor shall call the Underground locate service (800-424-5555) two to ten days prior to
37 construction at each project site. The Contractor shall notify the Utility Owner of any utilities that are
38 within two feet of the planned construction. The above list of Utility Owners may not be complete. As
39 per RCW 19.122 it shall be the Contractors responsibility to contact the owners of utilities known or
40 suspected of having services close to the project site.

41
42 **1-07.18 Public Liability and Property Damage Insurance**

43
44 Delete this section in its entirety, and replace it with the following:

45
46 **1-07.18 Insurance**
47 *(January 4, 2016 APWA GSP)*

48
49 **1-07.18(1) General Requirements**

- 1 A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-
2 07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-:
3 VII and licensed to do business in the State of Washington. The Contracting Agency reserves the
4 right to approve or reject the insurance provided, based on the insurer's financial condition.
5
6 B. The Contractor shall keep this insurance in force without interruption from the commencement of
7 the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical
8 Completion date, unless otherwise indicated below.
9
10 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all
11 subsequent renewals, shall be no later than the effective date of this Contract. The policy shall
12 state that coverage is claims made, and state the retroactive date. Claims-made form coverage
13 shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or
14 earlier termination of this Contract, and the Contractor shall annually provide the Contracting
15 Agency with proof of renewal. If renewal of the claims made form of coverage becomes
16 unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period
17 ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure
18 financial responsibility for liability for services performed.
19
20 D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability
21 insurance policies shall be primary and non-contributory insurance as respects the Contracting
22 Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or
23 self-insured pool coverage maintained by the Contracting Agency shall be excess of the
24 Contractor's insurance and shall not contribute with it.
25
26 E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice
27 of any policy cancellation, within two business days of their receipt of such notice.
28
29 G. The Contractor shall not begin work under the Contract until the required insurance has been
30 obtained and approved by the Contracting Agency
31
32 H. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material
33 breach of contract, upon which the Contracting Agency may, after giving five business days' notice
34 to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion,
35 procure or renew such insurance and pay any and all premiums in connection therewith, with any
36 sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of
37 the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
38
39 I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the
40 Contract and no additional payment will be made.
41

42 **1-07.18(2) Additional Insured**

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

- 46 ■ the Contracting Agency and its officers, elected officials, employees, agents, and volunteers

47
48 The above-listed entities shall be additional insured(s) for the full available limits of liability maintained
49 by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than
50 those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the
51 Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.
52

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

4 5 **1-07.18(3) Subcontractors**

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

10
11 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in 1-07.18(2) as
12 additional insureds, and provide proof of such on the policies as required by that section as detailed in
13 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and
14 CG 20 37 10 01 for completed operations.

15
16 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency
17 evidence of insurance and copies of the additional insured endorsements of each Subcontractor of
18 every tier as required in 1-07.18(4) Verification of Coverage.

19 20 **1-07.18(4) Verification of Coverage**

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

27
28 Verification of coverage shall include:

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

36
37 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full
38 and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full
39 and certified copy of that policy is required when the Contractor delivers the signed Contract for the
40 work.

41 42 **1-07.18(5) Coverages and Limits**

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

47
48 All deductibles and self-insured retentions must be disclosed and are subject to approval by the
49 Contracting Agency. The cost of any claim payments falling within the deductible or self-insured
50 retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability

1 subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention
2 shall be the responsibility of the Contractor.

3
4 **1-07.18(5)A Commercial General Liability**

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

10
11 The Commercial General Liability insurance shall be endorsed to provide a per project general
12 aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

13
14 Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's
15 completed operations for at least three years following Substantial Completion of the Work.

16
17 Such policy must provide the following minimum limits:

| | | |
|----|-------------|---|
| 18 | \$1,000,000 | Each Occurrence |
| 19 | \$2,000,000 | General Aggregate |
| 20 | \$2,000,000 | Products & Completed Operations Aggregate |
| 21 | \$1,000,000 | Personal & Advertising Injury each offence |
| 22 | \$1,000,000 | Stop Gap / Employers' Liability each accident |

23
24 **1-07.18(5)B Automobile Liability**

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

28
29 Such policy must provide the following minimum limit:

| | | |
|----|-------------|-------------------------------------|
| 30 | \$1,000,000 | Combined single limit each accident |
|----|-------------|-------------------------------------|

31
32 **1-07.18(5)C Workers' Compensation**

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

35
36 **1-07.23, PUBLIC CONVENIENCE AND SAFETY**

37
38 **1-07.23(1) Construction Under Traffic**

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

40
41 (January 2, 2012)

42 **Work Zone Clear Zone**

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

48
49 During nonworking hours equipment or materials shall not be within the WZCZ unless
50 they are protected by permanent guardrail or temporary concrete barrier. The use of

1 temporary concrete barrier shall be permitted only if the Engineer approves the
2 installation and location.

3
4 During actual hours of work, unless protected as described above, only materials
5 absolutely necessary to construction shall be within the WZCZ and only construction
6 vehicles absolutely necessary to construction shall be allowed within the WZCZ or
7 allowed to stop or park on the shoulder of the roadway.

8
9 The Contractor's nonessential vehicles and employees private vehicles shall not be
10 permitted to park within the WZCZ at any time unless protected as described above.

11
12 Deviation from the above requirements shall not occur unless the Contractor has
13 requested the deviation in writing and the Engineer has provided written approval.

14
15 Minimum WZCZ distances are measured from the edge of traveled way and will be
16 determined as follows:

17

| 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 |

18 * or 2-feet beyond the outside edge of sidewalk

19
20 **Minimum Work Zone Clear Zone Distance**

21
22 **1-08, PROSECUTION AND PROGRESS**

23
24 **1-08.0 Preliminary Matters**
25 (May 25, 2006 APWA GSP)

26
27 Add the following new section:

28
29 **1-08.0(1) Preconstruction Conference**
30 (October 10, 2008 APWA GSP)

31
32 Prior to the Contractor beginning the work, a preconstruction conference will be held between the
33 Contractor, the Engineer and such other interested parties as may be invited. The purpose of the
34 preconstruction conference will be:

- 35
36
37
38
39
40
41
42
43
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.

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

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

5
6 Add the following new section:

7
8 **1-08.0(2) Hours of Work**
9 *(December 8, 2014 APWA GSP)*

10
11 Except in the case of emergency or unless otherwise approved by the Engineer, the normal working
12 hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m.
13 Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the
14 normal working hours stated above, the request must be submitted in writing prior to the
15 preconstruction conference, subject to the provisions below. The working hours for the Contract
16 shall be established at or prior to the preconstruction conference.
17

18 All working hours and days are also subject to local permit and ordinance conditions (such as noise
19 ordinances).
20

21 If the Contractor wishes to deviate from the established working hours, the Contractor shall submit
22 a written request to the Engineer for consideration. This request shall state what hours are being
23 requested, and why. Requests shall be submitted for review no later than 3 working days prior to
24 the day(s) the Contractor is requesting to change the hours.
25

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

- 28 1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency
29 for the costs in excess of straight-time costs for Contracting Agency representatives who
30 worked during such times. (The Engineer may require designated representatives to be
31 present during the work. Representatives who may be deemed necessary by the Engineer
32 include, but are not limited to: survey crews; personnel from the Contracting Agency's
33 material testing lab; inspectors; and other Contracting Agency employees or third party
34 consultants when, in the opinion of the Engineer, such work necessitates their presence.)
- 35 2. Considering the work performed on Saturdays, Sundays, and holidays as working days with
36 regard to the contract time.
- 37 3. Considering multiple work shifts as multiple working days with respect to contract time even
38 though the multiple shifts occur in a single 24-hour period.
- 39 4. If a 4-10 work schedule is requested and approved the non working day for the week will be
40 charged as a working day.
- 41 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded
42 properly on certified payroll
43

44 **1-08.1 Subcontracting**
45 *(May 2, 2017 APWA GSP)*

46
47 Delete the eighth paragraph and replace it with the following:
48

1 On all projects funded with Federal assistance the Contractor shall submit "Monthly Report of
2 Amounts Credited as DBE Participation" (form #422-103 EF) to the Engineer each month,
3 regardless of whether payments were made or Work occurred, between Execution of the Contract
4 and Physical Completion. The monthly report is due 20 calendar days following the end of the
5 month.

6
7 Delete the third sentence of the ninth paragraph and replace it with the following:

8
9 On all projects funded with Federal assistance, the Contractor shall submit a Monthly Payment
10 Summary form to the Engineer in PDF format within 20 calendar days following receipt of a
11 progress payment from the Contracting Agency, unless specifically requested otherwise by the
12 Engineer for projects not funded with Federal assistance.

13
14 Section 1-08.1 is supplemented with the following:

15
16 (October 12, 1998)

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

22
23 A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under the
24 contract until the following documents have been completed and submitted to the Engineer:

- 25
26 1. Request to Sublet Work (Form 421-012), and
27 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid
28 Projects (Form 420-004).

29
30 The Contractor's records pertaining to the requirements of this Special Provision shall be open to
31 inspection or audit by representatives of the Contracting Agency during the life of the contract and
32 for a period of not less than three years after the date of acceptance of the contract. The
33 Contractor shall retain these records for that period. The Contractor shall also guarantee that
34 these records of all Subcontractors and lower tier Subcontractors shall be available and open to
35 similar inspection or audit for the same time period.

36
37 **1-08.3(2)A Type A Progress Schedule**
38 *(March 13, 2012 APWA GSP)*

39
40 Revise this section to read:

41
42 The Contractor shall submit \$\$ 3 \$\$ copies of a Type A Progress Schedule no later than one week
43 before the preconstruction conference, or some other mutually agreed upon submittal time. The
44 schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule
45 format. Regardless of which format used, the schedule shall identify the critical path. The Engineer
46 will evaluate the Type A Progress Schedule and approve or return the schedule for corrections
47 within 15 calendar days of receiving the submittal.

48
49 **Contractor's Weekly Activities**

50 *(*****)*
51

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

5
6 The written weekly activity schedule shall be submitted to the Engineer or a designated assistant
7 before the end of the last shift on the next to the last working day of the week preceding the
8 indicated activities, or other mutually agreeable time.

9
10 If the Contractor proceeds with work not indicated on the weekly activity schedule, or in a
11 sequence differing from that which has been shown on the schedule, the Engineer may require the
12 Contractor to delay unscheduled activities until they are included on a subsequent weekly activity
13 schedule.

14
15 Separately, and in addition to the weekly schedule, the Contractor shall submit weekly a summary
16 of project activities to the Engineer. The summary of activities shall include a report of the nature
17 and progress of each of the major activities that were advanced on the project within the previous
18 week.

19
20 It shall be sufficiently detailed that a composite history of the project develops. The locations and
21 approximate quantity guardrail and traffic control work shall be reported. Unusual activity, and
22 conditions or events that may affect the course of the project shall also be reported.

23 24 **1-08.4 Prosecution of Work**

25
26 Delete this section and replace it with the following:

27 28 **1-08.4 Notice to Proceed and Prosecution of Work** 29 *(July 23, 2015 APWA GSP)*

30
31 Notice to Proceed will be given after the contract has been executed and the contract bond and
32 evidence of insurance have been approved and filed by the Contracting Agency. The Contractor
33 shall not commence with the work until the Notice to Proceed has been given by the Engineer. The
34 Contractor shall commence construction activities on the project site within ten days of the Notice to
35 Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the
36 work to the physical completion date within the time specified in the contract. Voluntary shutdown
37 or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to
38 complete the work within the time(s) specified in the contract.

39
40 When shown in the Plans, the first order of work shall be the installation of high visibility fencing to
41 delineate all areas for protection or restoration, as described in the Contract. Installation of high
42 visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and
43 traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor
44 shall request the Engineer to inspect the fence. No other work shall be performed on the site until
45 the Contracting Agency has accepted the installation of high visibility fencing, as described in the
46 Contract.

47 48 **1-08.5 Time for Completion** 49 *(September 12, 2016 APWA GSP, Option B)*

50
51 Revise the third and fourth paragraphs to read:
52

1 Contract time shall begin on the first working day following the ~~\$\$\$14 \$\$~~ calendar day after the
2 Notice to Proceed date. If the Contractor starts work on the project at an earlier date, then
3 contract time shall begin on the first working day when onsite work begins.
4

5 Each working day shall be charged to the contract as it occurs, until the contract work is physically
6 complete. If substantial completion has been granted and all the authorized working days have
7 been used, charging of working days will cease. Each week the Engineer will provide the
8 Contractor a statement that shows the number of working days: (1) charged to the contract the
9 week before; (2) specified for the physical completion of the contract; and (3) remaining for the
10 physical completion of the contract. The statement will also show the nonworking days and any
11 partial or whole day the Engineer declares as unworkable. Within 10 calendar days after the date
12 of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To
13 be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to
14 ascertain the basis and amount of time disputed. By not filing such detailed protest in that period,
15 the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is
16 approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week
17 in which a 4-10 shift is worked would ordinarily be charged as a working day, then the fifth day of
18 that week will be charged as a working day whether or not the Contractor works on that day.
19

20 Revise the sixth paragraph to read:
21

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

- 25 1. The physical work on the project must be complete; and
- 26 2. The Contractor must furnish all documentation required by the contract and required by law, to
27 allow the Contracting Agency to process final acceptance of the contract. The following
28 documents must be received by the Project Engineer prior to establishing a completion date:
 - 29 a. Certified Payrolls (per Section 1-07.9(5)).
 - 30 b. Material Acceptance Certification Documents
 - 31 c. Monthly Reports of Amounts Credited as DBE Participation, as required by the Contract
32 Provisions.
 - 33 d. Final Contract Voucher Certification
 - 34 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all
35 Subcontractors
 - 36 f. Property owner releases per Section 1-07.24

37
38 (*****)

39 This project shall be physically completed within *** 30 *** working days.
40

41 **1-08.9 Liquidated Damages** 42 *(August 14, 2013 APWA GSP)* 43

44 Revise the fourth paragraph to read:
45

46 When the Contract Work has progressed to Substantial Completion as defined in the Contract, the
47 Engineer may determine that the work is Substantially Complete. The Engineer will notify the
48 Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring
49 after the date so established, the formula for liquidated damages shown above will not apply. For
50 overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall

1 be assessed on the basis of direct engineering and related costs assignable to the project until the
2 actual Physical Completion Date of all the Contract Work. The Contractor shall complete the
3 remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor
4 shall furnish a written schedule for completing the physical Work on the Contract.
5

6 **1-09, MEASUREMENT AND PAYMENT**

7 **1-09.7 Mobilization**

8 Section 1-09.7 is supplemented with the following:
9

10
11 (*****)

12 The Contractor shall notify the Contracting Agency of Staging area locations within five (5) days of
13 award for review and approval.
14

15 **1-09.9 Payments**

16 *(March 13, 2012 APWA GSP)*
17

18 Delete the first four paragraphs and replace them with the following:
19

20 The basis of payment will be the actual quantities of Work performed according to the Contract and
21 as specified for payment.
22

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

30 Progress payments for completed work and material on hand will be based upon progress
31 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the
32 preconstruction conference.
33

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

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

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

1
2 Progress payments will be made in accordance with the progress estimate less:

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

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

12 **1-09.9(1) Retainage**

13 Section 1-09.9(1) content and title is deleted and replaced with the following:
14

15 **(June 27, 2011)**

16 **Vacant**
17

18 **1-09.11 Disputes and Claims**

19
20 **1-09.11(3) Time Limitation and Jurisdiction**

21 *(July 23, 2015 APWA GSP)*
22

23 Revise this section to read:
24

25 For the convenience of the parties to the Contract it is mutually agreed by the parties that any
26 claims or causes of action which the Contractor has against the Contracting Agency arising from
27 the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-
28 05.12) of the Contract by the Contracting Agency; and it is further agreed that any such claims or
29 causes of action shall be brought only in the Superior Court of the county where the Contracting
30 Agency headquarters is located, provided that where an action is asserted against a county, RCW
31 36.01.05 shall control venue and jurisdiction. The parties understand and agree that the
32 Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such
33 claims or causes of action. It is further mutually agreed by the parties that when any claims or
34 causes of action which the Contractor asserts against the Contracting Agency arising from the
35 Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the
36 Contracting Agency to have timely access to any records deemed necessary by the Contracting
37 Agency to assist in evaluating the claims or action.
38

39 **1-09.13 Claims Resolution**

40
41 **1-09.13(3) Claims \$250,000 or Less**

42 *(October 1, 2005 APWA GSP)*
43

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

46 The Contractor and the Contracting Agency mutually agree that those claims that total \$250,000 or
47 less, submitted in accordance with Section 1-09.11 and not resolved by nonbinding ADR
48 processes, shall be resolved through litigation unless the parties mutually agree in writing to resolve
49 the claim through binding arbitration.
50

1 **1-09.13(3)A Administration of Arbitration**
2 (July 23, 2015 APWA GSP)

3
4 Revise the third paragraph to read:

5
6 The Contracting Agency and the Contractor mutually agree to be bound by the decision of the
7 arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior
8 Court of the county in which the Contracting Agency's headquarters is located, provided that where
9 claims subject to arbitration are asserted against a county, RCW 36.01.05 shall control venue and
10 jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the
11 decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

12
13 **1-09.13(4) Claims in Excess of \$250,000**

14
15 Section 1-09.13(4) is hereby deleted and replaced with the following:

16
17 **CLAIMS RESOLUTION**

18 (*****)

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

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

- 48
49 1. The name, business address and contact telephone number of each
50 witness who will testify at the hearing.
51
52 2. For each witness to be offered as an expert, a statement of the subject

1 matter and a statement of the facts, resource materials (not protected by
2 privilege) and learned treatises upon which the expert is expected to
3 testify and render an opinion(s), synopsis of the basis for such
4 opinion(s), and a resume of the expert detailing his/her qualifications as
5 an expert and pursuant to rendering such opinion(s). A list of documents
6 and other exhibits the party intends to offer in evidence at the arbitration
7 hearing. Either party may request a copy of any document listed, and a
8 copy or description of any other exhibit listed. The party receiving the
9 request shall provide the copies or description within five (5) calendar
10 days. The parties or arbitrator may subpoena parties in accordance with
11 the Superior Court Mandatory Arbitration Rules (MAR) of Washington,
12 Rule 4.3, and witness fees and costs shall be provided for under Rule
13 6.4, thereof. The arbitrator may permit a party to call a witness or offer a
14 document or other exhibit not included in the statement of proof only
15 upon a showing of good cause.

16
17 b) The arbitration hearing shall be conducted at a location within Lewis County,
18 Washington. The extent of application of the Washington Rules of Evidence shall be
19 determined in the exercise of sound discretion of the arbitrator, except that such
20 Rules should be liberally construed in order to promote justice. The parties should
21 stipulate to the admission of evidence when there is no genuine issue as to its
22 relevance or authenticity. The decision of the arbitrator and the specific grounds for
23 the decision shall be in writing. The arbitrator shall use the contract as a basis for its
24 decisions. The County and the Contractor agree to be bound by the decision of the
25 arbitrator, subject to such remedies as are provided in Ch. 7.04 RCW. Judgment
26 upon the award rendered by the arbitrator shall be entered as judgment before the
27 presiding judge of the Superior Court for Lewis County. Each party shall bear its own
28 costs in connection with the arbitration. Each party shall pay one-half of the
29 arbitrator's fees and expenses.
30

31 **1-10, TEMPORARY TRAFFIC CONTROL**

32 **1-10.2 Traffic Control Management**

33 **1-10.2(1) General** 34 (December 1, 2008)

35 Section 1-10.2(1) is supplemented with the following:
36
37

38 (January 3, 2017)

39 Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the
40 State of Washington. The Traffic Control Supervisor shall be certified by one of the following:
41
42

43
44 The Northwest Laborers-Employers Training Trust
45 27055 Ohio Ave.
46 Kingston, WA 98346
47 (360) 297-3035
48

49
50 Evergreen Safety Council
51 12545 135th Ave. NE
52 Kirkland, WA 98034-8709
1-800-521-0778

1
2 The American Traffic Safety Services Association
3 15 Riverside Parkway, Suite 100
4 Fredericksburg, Virginia 22406-1022
5 Training Dept. Toll Free (877) 642-4637
6 Phone: (540) 368-1701
7

8 **1-10.2(2) Traffic Control Plans**

9 (*****)

10 Section 1-10.2(2) is supplemented with the following:

11
12 The Contracting Agency has attached Traffic Control Plans in Appendix F for temporary traffic
13 control use on this project. Alternating one-way traffic shall be maintained by the Contractor
14 providing Pilot Car Operation as shown in the Contract Plans. All signs required for this project (as
15 shown on the Traffic Control Plans) shall be the Contractors responsibility to furnish, erect, and
16 maintain. The Contractor shall adopt the Traffic Control Plan in writing to the Engineer or furnish a
17 new plan. The Contractor shall conduct his operations on the roadway in a manner that one-way
18 traffic is maintained at all times, unless otherwise directed by the Engineer.
19

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

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

25 (*****)

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

27
28 The latest revision of the WSDOT Manual M54-44 "Work Zone Traffic Control Guidelines"
29 (WZTCG) is hereby made a part of this contract by reference as if contained fully herein.
30

31 **1-10.4 Measurement**

32
33 **1-10.4(2) Item Bids With Lump Sum for Incidentals**

34 Section 1-10.4(2) is supplemented with the following:

35 (August 2, 2004)

36 The bid proposal does not contain the item "Project Temporary Traffic Control," lump sum.
37 The provisions of Section 1-10.4(2) shall apply.
38
39

40 **EXISTING SIGNS**

41 (*****)

42
43 During the life of the contract, the Contractor shall be responsible for all existing signs damaged or
44 removed by construction operations.
45

46 Warning and regulatory signs may be temporarily relocated to portable sign stands for convenience of
47 construction subject to the approval of the Engineer. The signs shall be located at or as near as
48 practical to their original locations and shall have a minimum vertical clearance above the pavement in
49 accordance with the Manual on Uniform Traffic Control Devices. Upon completion of construction in
50 the area immediately surrounding the permanent sign location, the Contractor shall reinstall the sign
51 and supports in their permanent locations.

1
2 Signs damaged or removed shall be replaced by the Contractor at no cost to the County.

3
4 All costs involved in removing, maintaining and resetting existing signing as specified shall be
5 considered incidental to the project and included in the various bid items therein. No additional
6 compensation will be allowed.

7
8 **DIVISION 2**
9 **EARTHWORK**

10
11
12 **2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

13 **2-02.1 Description**

14 Section 2-02.1 is supplemented with the following:

15
16 (March 13, 1995)

17 This work shall consist of removing miscellaneous traffic items.

18
19 **2-02.3 Construction Requirements**

20 Section 2-02.3 is supplemented with the following:

21
22 **Removing Miscellaneous Items**

23
24 (March 13, 1995)

25 The following miscellaneous traffic items shall be removed and disposed of:

26
27 *** Raised or recessed pavement markers ***

28 *** Plastic stop bars and other plastic pavement markers ***

29 *** Flexible Guide Post ***

30 *** Temporary Striping ***

31
32 **Miscellaneous Items**

33
34 Traffic Signs at intersections shall be adjusted or moved as construction progresses to meet the
35 conditions as stated in the MUTCD.

36
37 **2-02.3(3) Removal of Pavement, Sidewalks, Curbs, and Gutters**

38 Section 2-02.3(3) is supplemented with the following:

39
40 **2-02.4 Measurement**

41
42 No specific unit of measurement will apply to the lump sum item of "Removal of Structure and
43 Obstruction". Traffic signs to be adjusted or moved shall be considered incidental to this bid item.

44
45 **2-02.5 Payment**

46
47 Payment will be made in accordance with Section 1-04.1, for the following Bid item when it is included
48 in the Proposal:

49
50 "Removal of Structure and Obstruction", lump sum.

1 If pavements, sidewalks, curbs, or gutters lie within an excavation area, their removal will be paid for as
2 part of the quantity removed in excavation.
3

4
5 **DIVISION 3**
6 **PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**
7

8 **3-01, PRODUCTION FROM QUARRY AND PIT SITES**

9 **3-01.4 Contractor Furnished Material Sources**

10 **3-01.4(1) Acquisition and Development**

11 (*****)

12 Section 3-01.4(1) is supplemented with the following:
13

14
15 No source has been provided for any materials necessary for the construction of this project.
16

17
18 **DIVISION 4**
19 **BASES**
20

21 **4-04, BALLAST AND CRUSHED SURFACING**

22
23 **4-04.3 Construction Requirements**

24 **4-04.3(5) Shaping and Compacting**

25 (*****)

26 Section 4-04.3(5) is supplemented with the following:
27

28 **Shoulder Widening & Widened Embankments**

29 Immediately following the placement of the crushed surfacing base course for the widened
30 embankments and shoulder widening, Crushed Surfacing Base Course shall be mechanically
31 compacted to the satisfaction of the Engineer. Water shall be used to achieve the desired
32 compaction. The completed crushed surfacing base course shall have a smooth, tight, uniform
33 surface true to line, grade, and cross-section shown in the plans, or as staked in the field by the
34 Engineer.
35

36
37 **Shoulder Finishing**

38 Shoulder finishing material shall not be placed until the abutting pavement has been completed,
39 unless designated by the Engineer. Shoulder finishing material (Crushed Surfacing Top Course)
40 shall be placed by a spreader box in one lift. Processing of the shoulder finishing material on the
41 roadway shall not be permitted.
42

43 The existing shoulder material, as well as any additional crushed surfacing material required shall
44 be placed, watered, and compacted against the vertical edge of the pavement, including road
45 approaches. Hand work may be required under guardrail and at road approaches. The Contractor
46 shall grade the shoulder material to a uniform slope, remove all debris (sod, large rocks, etc.) and
47 dress all berms resulting from this operation to the satisfaction of the Engineer. The material shall
48 be graded into place and compacted with a steel drum vibratory compactor to the satisfaction of
49 the Engineer. For compaction, water shall be applied as determined by the Engineer. Damage to

1 the HMA mat due to the Contractor's operation shall be repaired at no cost to the Contracting
2 Agency.

3
4 Following the placement of crushed surfacing material each day, the new mainline and shoulder
5 pavement shall be cleaned of all dirt and debris to the satisfaction of the Engineer. Prior to
6 commencing work on the Shoulder Finishing operation the Contractor shall submit the selected
7 method of compaction and equipment to be used to the Engineer for approval.

8
9 **4-04.3(6) Keystone**

10 (*****)

11
12 Section 4-04.3(6) is supplemented with the following:

13
14 Keystone shall be used at the top of the widening (2% grade) to achieve tight uniform surface
15 where crushed surfacing base course is used as shown in the contract plans.

16
17 The first sentence of the third paragraph of Section 4-04.3(6) is deleted.

18
19 **4-04.3(9) Hauling**

20 (*****)

21
22 Section 4-04.3(9) is supplemented with the following:

23
24 No payment will be made for hauling the Crushed Surfacing Base Course required on this project.
25 The cost of hauling the surfacing material shall be included in the unit contract prices for the Item
26 involved.

27
28 **4-04.4 Measurement**

29 (*****)

30 Section 4-04.4 is supplemented with the following:

31
32 "Shoulder Finishing " shall be measured per mile .

33
34 **4-04.5 Payment**

35 (*****)

36 Section 4-04.5 is supplemented with the following:

37
38 The unit contract price per ton for "Shoulder Finishing" shall be full pay for furnishing crushed
39 surfacing , hauling, grading existing material, placing additional material, including adjacent to and
40 under the guardrail runs, watering, compacting and all other work as specified. Water for
41 compaction of shoulder rock shall be considered incidental to this bid item.

42
43 All costs involved in building and compaction of widened embankments required for flared
44 guardrail terminals, building widened shoulders and placing the Crushed Surfacing Base Course
45 will be included in the contract price per ton for "Crushed Surfacing Base Course". Water for
46 compaction shall be considered incidental to this bid item.

47
48 **DIVISION 5**
49 **SURFACE TREATMENTS AND PAVEMENTS**

1 **5-04, HOT MIX ASPHALT**

2 **5-04.1 Description**

3 (*****)

4 Section 5-04.1 is supplemented with the following:

5
6 The term "Approach" shall include driveway approaches, driveways, and extensions.

7
8 **Superintendents, Labor, and Equipment of Contractor**

9 Section 5-04.1 is supplemented with the following:

10
11 The Contractor shall have a sufficient number of qualified personnel on the project to
12 insure the following minimum crew size:

- 13
- 14 One paving superintendent
- 15 One paver operator
- 16 Two screed operators
- 17 Three roller operators
- 18 Two rakers

19
20 These workers shall be present and not assigned to dual activities that would stop them
21 from fulfilling their assigned task while the paver is in operation. There will be one
22 assigned supervisor who will be in charge of paving operations and who will be
23 responsible for work performed.

24
25 **5-04.3 Construction Requirements**

26 (*****)

27 Section 5-04.3 is supplemented with the following:

28
29 Tack all edges, cold joints, and tapers which join existing asphalt, (such as asphalt concrete
30 approaches, intersections, and curb and gutter).

31
32 Wing out, rake, and compact a beveled edge when paving past approaches (driveways), street
33 intersections, curb faces, edges of gutters and, where applicable, provide an acceptable
34 transition from roadway to approaches by paving an adequate ramp as directed by the
35 Engineer. Mainline shall be paved before road approaches. Any approach greater than 30 feet
36 at its narrowest point shall be done with a paving machine.

37
38 Pave to a depth of one inch or less at the curb face, unless otherwise directed by the Engineer.

39
40 **5-04.3(3)A Material Transfer Device / Vehicle**

41 *(November 20, 2013 APWA GSP)*

42
43 The first paragraph of this section is supplemented with the following;

44
45 A material transfer device or vehicle (MTD/V) is required for all mainline paving operations.

46
47 (*****)

48 **Self- Propelled Material Transfer Vehicle**

49 Direct transfer of the HMA mixture from the hauling equipment to the paving machine will not be
50 allowed. The Contractor shall use a self-propelled material transfer vehicle (MTV) to deliver the
51 HMA mixture from the hauling equipment to the paving machine when placing HMA pavement on
52 travel lanes and shoulders, when shoulders are paved in conjunction with travel lanes. A material

1 transfer vehicle is not required for small quantities such as driveways and is optional for shoulders
2 that are paved separately from the driving lane(s). A windrow elevator is not acceptable as a
3 transfer device.

4
5 The transfer vehicle's holding hopper shall have a minimum capacity of 15 tons. The material
6 transfer vehicle shall mix the HMA after delivery by the hauling equipment but prior to lay down by
7 the paving machine. Mixing of the HMA material shall be sufficient to obtain a consistent
8 temperature throughout the mixture. If a transfer vehicle does not have holding or mixing
9 capabilities, the paving machine shall be fitted with a holding and mixing hopper having a minimum
10 capacity of 15 tons.

11
12 Prior to use, the Contractor shall submit the manufacturer and model number of the equipment to
13 the Engineer for review and approval. All costs to incorporate the material transfer device or
14 vehicle into the paving train shall be included in the unit contract price for the HMA.

15
16 The Contractor shall deliver the mixture to the paving machine at a rate that provides continuous
17 operation of the paving machine, except for unavoidable delay or breakdown. If excessive
18 stopping of the paving machine occurs during paving operations, the Engineer may suspend
19 paving operations until the mixture deliver rate matches the paving machine operation.

20 21 **Paving Reinforcement Grid**

22 23 **Description**

24
25 At all locations shown on the plans or as designated by the Engineer the following work shall
26 apply:

27
28 The Contractor shall provide and install a glass grid interlayer reinforcement system between
29 asphalt layers in the pavement structure designed to reinforce the pavement and reduce
30 reflective cracking distresses.

31
32 The geogrid reinforcement manufacturer's recommendations shall be thoroughly understood
33 and followed in the application of the HMA, particularly as to the type of paving, lay down,
34 temperature of the HMA, protection of geogrid reinforcement while paving, rolling temperature
35 and technique, and other items unique to the geogrid reinforcement.

36 37 **Material**

38
39 The contractor shall submit manufacturer's specifications, installation guide, and samples of
40 geogrid reinforcement to the Engineer for approval prior to ordering fabric.

41
42 The pavement reinforcement grid shall consist of a high strength, fiberglass grid custom knitted
43 and coated with an elastomeric polymer and self-adhesive glue. The grid shall include a
44 multilayer tack film designed to enhance the bond between layers of hot mix asphalt and
45 replace conventional tack coats.

46
47 In addition, the pavement interlayer reinforcement grid with pre coated tack film shall adhere to
48 the following Minimum Average Roll Values (MARV) for grid material properties and should
49 adhere to the strength and performance properties identified in Table 1.

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Table 1 – Material and Strength Properties and Performance Requirements

| | PRODUCT PROPERTIES | METHOD | UNITS | Type 1 |
|---------------------------------|-------------------------------------|---------------------|---|----------------------------|
| Material Properties | Aperture Size (Center to Center) | | mm (inch) | 12.5 x 12.5 (0.5 x 0.5) |
| | Fiberglass Coating | | | Elastomeric Polymer |
| | Mass / Unit Area | ASTM D 5261 | g/m ² (oz/yd ²) | 370 (11) |
| | Roll Width | | m (ft) | 1.5 (4.9) |
| | Tack Coat | Polymer Modified | % | >25 |
| Grid Strength Properties | Fiberglass Coating Melting Point | ASTM D 276 | °C (°F) | Greater than 218 (424) |
| | Tensile Strength (MD x CD) | ASTM D 6637 | kN/m (lb/in) | 100 x 100 (571 x 571) |
| | Tensile Strength @2% | ASTM D 6637 | kN/m (lb/in) | 80 x 80 (456) |
| | Elongation at Break | ASTM D 6637 | (%) | Less than 3 |

| | TEST DESCRIPTION | TEST METHOD | METHOD OF MEASURE | PERFORMANCE |
|--------------------|---|---|--|--------------------|
| Performance | Asphalt Grid composite stiffness for durability of composite layers over life of pavement during individual and long term deformation | 3Pt Beam Test at 70°F, Grid with polymer tack at mid depth relative to a control with polymer emulsion tack coat – cyclic stress controlled Haversquare loading | Minimum Improvement Factor vs Control baseline | > 5x |

38

1
2 **Reinforcement Grid Construction Requirements**
3

4 The contractor shall not begin application of the geogrid reinforcement until he has
5 demonstrated, to the satisfaction of the Engineer, that all labor, equipment, tools and materials
6 necessary to apply the fabric are either on hand or readily available, and that the resurfacing
7 will immediately follow the geogrid placement to minimize damage by traffic.
8

9 A manufacturer's representative shall be present on site for the initial start of the installation
10 of the interlayer reinforcing grid.
11

12 All equipment, tools and machines used in the performance of the work shall be subject to the
13 approval of the Engineer and shall be maintained in satisfactory working condition at all times.
14

15 The leveling course surface to be reinforced shall be free of all foreign material such as dirt
16 and grease to the satisfaction of the engineer.

17 All surface hardware such as valves, junction boxes, manholes and catch basins shall be
18 referenced and covered prior to applying the leveling course HMA.
19

20 Reinforcement grid shall be laid out on the new leveling course by mechanical means using
21 sufficient pressure to eliminate ripples. Remove any ripples by pulling the grid tight.
22 The geogrid reinforcement shall be placed with a self-propelled vehicle, which continuously
23 unrolls fabric and forces it onto the leveling course.
24

25 The interlayer reinforcing grid shall have a self-adhesive backing, so tack coat is not required
26 for the installation.
27

28 Surface temperature shall be between (40-140°F) prior to laying the grid reinforcement.
29 The placement surface must be dry and clean. Since moisture affects the adhesion of the grid
30 and the tack to the pavement surface, interlayer placement should not be undertaken if rain is
31 likely to fall prior to covering the grid with an asphalt mat overlay. Grid that is placed and will
32 not adhere due to moisture shall be removed and replaced at the Contractor's expense.
33

34 Lap transverse joints in the direction of the paving (3-6"); longitudinal joints shall be
35 overlapped (1-2").
36

37 After placement, activate self-adhesive glue by rolling with a rubber coated drum roller or a
38 pneumatic tire roller until proper adherence occurs. In no instance shall steel-wheeled or
39 vibratory rollers be used. Rolling shall continue until the adhesive is activated and the grid is
40 bonded to the truing and leveling course or tacked to the existing surface. Generally, this can
41 be accomplished in one or two roller passes. During rolling operations, roller tires shall be kept
42 clean to the satisfaction of the Engineer. Reinforcement shall be laid and rolled over ironworks
43 (i.e., manhole covers, drainage grates, etc.).
44

45 Once the grid has been rolled, these portions of the mats covering the ironworks shall be
46 removed by cutting the reinforcement grid with a utility knife or other similar tool.
47 Damaged or de-bonded sections of the grid resulting from these vehicles, as determined by
48 the Engineer, shall be immediately replaced with new grid sections, taking care to place the
49 adhesive backing down and to overlap the grid already in place
50

51 No traffic or equipment, except that required for the actual reinforcing and paving operations,
52 shall be permitted to travel or rest upon the fabric reinforcement until it is covered by the HMA.

1 The HMA wearing course shall be placed the same day the interlayer reinforcing grid is
2 placed.

3 **5-04.3(7) Preparation of Aggregates**

4 **5-04.3(7)A Mix Design**

5 **5-04.3(7)A1 General** 6 **(*****)**

7 Supplement Section 5-04.3(7)A1 with the following:

8
9
10
11
12
13 The maximum quantity of RAP allowable in leveling course paid for under bid item "HMA For
14 Preleveling Class 3/8 IN. PG 64-22" shall be 20%. No RAP will be allowed in the wearing
15 course paid for under bid item "HMA Class 3/8 IN. PG 64-22" per Ton or "HMA For Pavement
16 Repair Class 3/8 IN. PG 64-22"

17
18 The Engineer shall approve the RAP stockpile prior to use.

19
20 The Contractor shall submit four samples of the designed Hot Mix Asphalt mix to the
21 Engineer's representative for ignition furnace calibration at least five (5) days prior to paving.
22 Samples will be taken in conformance to WSDOT Test Method T 726.

23 **5-04.3(7)A2 Statistical or Nonstatistical Evaluation** 24 *(November 20, 2013 APWA GSP)*

25
26 Delete this section and replace it with the following;

27 **5-04.3(7)A2 Nonstatistical and Commercial Evaluation**

28
29 Mix designs for HMA accepted by Nonstatistical or Commercial evaluation shall;

- 30 • Be submitted to the Project Engineer on WSDOT Form 350-042
- 31 • Have the aggregate structure and asphalt binder content determined in accordance with WSDOT
32 Standard Operating Procedure 732 and meet the requirements of Sections 9- 03.8(2) and 9-
33 03.8(6).
- 34 • Have anti-strip requirements, if any, for the proposed mix design determined in accordance with
35 WSDOT Test Method T 718 or based on historic anti-strip and
36 aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA mix
37 designs utilized that include RAP will be completed without the inclusion of the RAP.

38
39 At or prior to the preconstruction meeting, the contractor shall provide one of the following mix
40 design verification certifications for Contracting Agency review;

- 41 • The proposed mix design indicated on a WSDOT mix design/anti-strip report that is within one
42 year of the approval date
- 43 • The proposed HMA mix design submittal (Form 350-042) with the seal and certification (stamp &
44 signature) of a valid licensed Washington State Professional Engineer.
- 45 • The proposed mix design by a qualified City or County laboratory mix design report that is within
46 one year of the approval date.

47
48 The mix design will be performed by a lab accredited by a national authority such as Laboratory
49 Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials
50 Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall
51
52

1 supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL) program.

2
3 At the discretion of the Engineer, agencies may accept mix designs verified beyond the one
4 year verification period with a certification from the Contractor that the materials and sources are
5 the same as those shown on the original mix design. Evaluation of anti-strip additives are to be
6 provided as part of the mix design acceptance criteria. Acceptable anti-strip evaluations
7 include 1.) a WSDOT validated mix design showing the validated anti-strip additive and dosage
8 2.) an historic anti-strip determination from WSDOT not greater than two (2) calendar years old or
9 3.) a passing TSR test at the anti-strip dosage proposed by the Contractor.

10
11 No paving shall begin prior to Contracting Agency approval of the Contractor provided mix
12 design.

13
14 **5-04.3(8)A1, General**

15 *(*****)*

16
17 Delete this section and replace it with the following:

18 Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation. Nonstatistical
19 evaluation will be used for all HMA not designated as Commercial HMA in the contract
20 documents.

21
22 The mix design will be the initial JMF for the class of HMA. The Contractor may request a
23 change in the JMF. Any adjustments to the JMF will require the approval of the Project
24 Engineer and must be made in accordance with Section 9-03.8(7).

25
26 Commercial evaluation may be used for Commercial HMA and for other classes of HMA in the
27 following applications: sidewalks, ditches, slopes, paths, trails, gores, and pavement repair.
28 Other nonstructural applications of HMA accepted by commercial evaluation shall be as
29 approved by the Project Engineer. Sampling and testing of HMA accepted by commercial
30 evaluation will be at the option of the Project Engineer. Commercial HMA can be accepted by a
31 contractor certificate of compliance letter stating the material meets the HMA requirements defined
32 in the contract.

33
34 **5-04.3(8)A4, Definition of Sampling Lot and Sublot**

35 Section 5-04.3(8)A4 is supplemented with the following:

36
37 For HMA in a structural application, sampling and testing for total project quantities less than
38 400 tons is at the discretion of the engineer. For HMA used in a structural application and with a
39 total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test
40 shall be performed:

- 41 i. If test results are found to be within specification requirements, additional testing will be at the
42 engineers discretion.
43 ii. If test results are found not to be within specification requirements, additional testing as needed
44 to determine a CPF shall be performed.

45
46 **5-04.3(8)A5 Test Results**

47 *(November 20, 2013 APWA GSP)*

48 The first paragraph of this section is deleted.

49
50 **5-04.3(8)A6 Test Methods**

51 *(November 20, 2013 APWA GSP)*
52

1
2 Delete this section and replace it with the following;

3
4 **5-04.3(8)A6 Test Methods**

5
6 Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested,
7 compliance of Va will be by WSDOT Standard Operating Procedure SOP 731. Testing for
8 compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for
9 compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

10
11 **5-04.3(9) Spreading and Finishing**

12 (*****)

13 Section 5-04.3(9) is supplemented with the following:

14
15 The Contractor shall meet with the Engineer or representative by the end of each working day
16 to verify and confirm in writing and by signature the daily yields and quantities.

17
18 If the Contractor fails to follow this procedure, the Contractor accepts the Engineer's
19 estimated quantities for the work completed that day.

20
21 **5-04.3(10) Compaction**

22
23 **5-04.3(10)B Control**

24 (*****)

25 Section 5-04.3(10)B1 thru 5-04.3(10)B4 are deleted and replaced with:

26
27 HMA used in traffic lanes, including lanes for ramps, truck climbing, weaving, speed changes,
28 and left turn channelization, and having a specified compacted course thickness is greater
29 than 0.10 foot, shall be compacted to a specified level of relative density. The specified level
30 of relative density shall be a Composite Pay Factor (CPF) of not less than .75 when evaluated
31 using a minimum of 92.0 percent of the reference maximum density as determined by
32 WSDOT FOP for AASHTO T 209. The level of compaction attained will be determined as the
33 average of three test results determined in accordance with WSDOT FOP for WAQTC TM 8
34 taken on the day the mix is placed (after completion of the finish rolling) at randomly selected
35 locations in accordance with WSDOT T 716 within each lot. The quantity of a lot shall be no
36 greater than a single day's production or approximately 300 tons, whichever is less. The
37 quantity represented by each sub-lot will be 100 tons or a portion of 100 tons within the lot.

38
39 A test section(s) shall be constructed for the purpose of determining if the mix is compactable,
40 to establish a nuclear density gauge correlation factor, and meets the requirements of
41 Sections 5-04.

42
43 The test section shall be constructed at the beginning of production paving for the project and
44 will be at least 40 tons and a maximum of 60 tons. The first and last 25 feet of paving will not
45 be included in the test section. No further paving will be performed for the remainder of the
46 day, and the next two days following the test section, or as directed by the Engineer.

47
48 Construction of the test section shall be done using the equipment and rolling patterns that the
49 Contractor expects to use in the paving operation. A test section will be considered to have
50 established compactibility, based on the results of three density determinations, when the
51 average of the three tests exceeds 93 percent or when all three tests individually exceed 92
52 percent of the maximum density determined by WSDOT FOP for AASHTO T209. This will

1 require consideration of the absence of the correlation factor for the nuclear density gauge
2 and may require resolution after the correlation factor is known. When results have
3 demonstrated that the mix is not compactable, or not capable of meeting the requirements in
4 Sections 5-04, the Contractor shall construct a new test section after appropriate adjustments
5 to the mix have been made.

6
7 The HMA used for the test section shall be measured by the ton and paid for in any of the
8 HMA bid items. All costs associated with constructing the test section or sections will be
9 incidental to the cost of the HMA.

10
11 Control lots not meeting the minimum density standard shall be removed and replaced with
12 satisfactory material. At the option of the Engineer, noncomplying material may be accepted
13 at a reduced price. See 5-04.5(1)B of this Special Provision.

14
15 For compaction lots falling below a 1.00 pay factor and thus subject to price reduction or
16 rejection, cores may be used as an alternate to the nuclear density gauge tests. When cores
17 are requested by the Contractor the request shall be made by noon of the first working day
18 following placement of the mix. The contractor shall be responsible for obtaining the core
19 samples at the locations designated by the Engineer. The Engineer shall be responsible for
20 the testing of the core samples and the costs incurred. When the cores indicate the
21 acceptable level of compaction within a lot has not been achieved, the cost for the testing will
22 be deducted from any monies due or that may become due the contractor under the contract
23 at the rate of \$100 per core.

24
25 HMA, constructed under conditions other than listed above shall be compacted on the basis of
26 a test point evaluation of the compaction train. The test point evaluation shall be performed in
27 accordance with instruction from the Engineer. The number of passes with an approved
28 compaction train, required to attain the maximum point density, shall be used on all
29 subsequent paving.

30
31 The number of passes with an approved compaction train, required to attain the maximum test
32 point density, shall be used on all subsequent paving.

33
34 In addition to the randomly selected locations for tests of the density, the Engineer may also
35 isolate from a normal lot any area that is suspected of being defective in relative density. Such
36 isolated material will not include an original sample location. A minimum of 5 randomly
37 located density tests will be taken. The isolated area will then be evaluated for price
38 adjustment in accordance with the statistical evaluation section, considering it as a separate
39 lot.

40
41 Control lots not meeting the prescribed density standard shall be removed and replaced with
42 satisfactory material. At the option of the Engineer, non-complying material may be accepted
43 at a reduced price. See 5-04.5(1)B of this Special Provision.

44
45 **5-04.3(12) Joints**

46 (*****)

47 Section 5-04.3(12) is supplemented with the following:

48
49 **Sealing Joints and Feather Ends**

50
51 After placement of the HMA Pavement, the Contractor will be required to fog seal all joints,
52 including approaches out to the edge of shoulder, with CSS-1 liquid asphalt and sand.

1
2 All costs associated with providing and placing the fog seal liquid asphalt as specified above
3 shall be incidental to and included in the unit contract price per ton for "HMA Class 3/8 IN. PG
4 64-22".

5
6 **5-04.3(15) HMA Road Approach**

7 (*****)

8 Section 5-04.3(15) is supplemented with the following:

9
10 HMA for road approaches shall be constructed at the locations shown in the Plans or where
11 designated by the Engineer. The work shall be performed in accordance with Section 5-04.

12
13 The Contractor shall reshape the approaches to the right of way line, or as directed by the
14 Engineer prior to the placement of the HMA. If ordered by the Engineer, the Contractor shall place
15 HMA in the approaches in-order to make grade adjustments. Placement of this material shall be in
16 such a manner that the approach will be accessible to traffic at all times. Sections where asphalt
17 has been removed or ground out, must be compacted before new HMA is placed.

18
19 Ribelin Rd. intersection and Salisbury Rd. intersection have been detailed to provide pavement
20 repair prior to planing and paving of Jackson Highway. Pavement repair shall consist of planing
21 failing and detailed areas including shoulder areas and identified road approaches.

22 The unit contract price per ton for "Pavement Repair Excavation including Haul" and "HMA For
23 Pavement Repair Class 3/8 IN. PG 64-22" shall be full compensation for all labor for preparation
24 and all extra or additional costs involved in planing grading existing surfacing material to reshape
25 road approaches and furnishing, placing and compaction of the HMA at intesections and other
26 repair locations.

27
28 **5-04.4 Measurement**

29 (*****)

30 Section 5-04.4 is supplemented with the following:

31
32 "HMA For Preleveling Class 3/8 IN. PG 64-22" shall be measured per Ton.

33
34 "HMA For Pavement Repair Class 3/8 IN. PG 64-22" shall be measured per Ton

35
36 " HMA Class 3/8 IN. PG 64-22" shall be measured per Ton.

37
38 "Pavement Repair Excavation including Haul" shall be measured per Ton.

39
40 "Paving Reinforcement Grid " shall be measured per square yard.

41
42 **5-04.5 Payment**

43 (*****)

44 Section 5-04.5 is supplemented with the following:

45
46 "HMA For Preleveling Class 3/8 IN. PG 64-22" per Ton.

47
48 "HMA For Pavement Repair Class 3/8 IN. PG 64-22" per Ton

49
50 " HMA Class 3/8 IN. PG 64-22" per Ton.

51
52 "Pavement Repair Excavation including Haul" per Ton.

1
2 "Paving Reinforcement Grid" per square yard shall be full pay for all Reinforcement Grid
3 material, equipment, labor, asphalt tack, water, brooming, vactory, and incidentals necessary to
4 complete the work as described.

5
6 **5-04.5(1) Quality Assurance Price Adjustment**

7 (*****)

8 Delete the fourth sentence of Section 5-04.5(1).

9
10 Supplement Section 5-04.5(1) with the following:

11
12 In the event that test results indicate the HMA does not meet specifications, a change order will be
13 issued for the price adjustments for Quality of HMA Mixture and Quality of HMA Compaction based
14 upon these specifications.

15
16 **5-04.5(1)B Price Adjustments for Quality of HMA Compaction**

17 (January 16, 2014 APWA GSP)

18
19 Delete this section and replace it with the following:

20
21 The maximum CPF of a compaction lot is 1.00.

22
23 For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction
24 Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus 1.00
25 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of the
26 NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix.

27
28 (*****)

29 The CPF shall be as follows:

30

| 31 <u>Compaction</u> | 32 <u>CPF</u> |
|----------------------|----------------|
| 33 91.0% to 91.9% | 95% |
| 34 90.0% to 90.9% | 90% |
| 35 89.0% to 89.9% | 80% |
| 36 88.0% to 88.9% | 75% |
| 37 At or below 87.9% | Mix is removed |

38

39 **DIVISION 8**
40 **MISCELLANEOUS CONSTRUCTION**

41
42 **8-01, EROSION CONTROL AND WATER POLLUTION CONTROL**

43
44 **8-01.3 Construction Requirements**

45
46 **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

47 (*****)

48 Section 8-01.3(1)B is supplemented with the following:

1 The Contractor shall retain the following permit documentation (plans and records) on site, or
2 within reasonable access to the site, for use by the operator; or on-site review by the
3 Department of Ecology or the local jurisdiction:

4
5 a. Site Log Book

6
7 A Certified ESC Lead shall be identified for the project and shall be present on-site or on-call
8 at all times.

9
10 Site inspections shall include all areas disturbed by construction activities, all BMP's, and all
11 stormwater discharge points. Stormwater shall be visually examined for the presence of
12 suspended sediment, turbidity, discoloration, and oil sheen. The Certified ESC Lead shall
13 evaluate the effectiveness of BMP's and determine if it is necessary to install, maintain, or
14 repair BMP's to improve the quality of the stormwater discharges. If such corrections are
15 necessary, the Contractor shall implement the following procedure:

- 16
17 a. Fully implement and maintain appropriate source control and/or treatment BMP's
18 as soon as possible, but no later than 10 days of the inspection;
19 b. Document BMP implementation and maintenance in the site log book.

20
21 The Certified ESC Lead shall summarize the results of each inspection in an inspection report
22 or checklist. This report or checklist shall be entered into, or attached to, the site log book. At
23 a minimum, each inspection report or checklist shall include:

- 24
25 a. Inspection date and time;
26 b. Weather information; general conditions during inspection and approximate
27 amount of precipitation since the last inspection, and within the last 24 hours.
28 c. A summary of all BMP's which have been implemented, including observations of
29 all erosion/sediment control structures or practices;
30 d. The following shall be noted:
31 i. Locations of BMP's inspected;
32 ii. Locations of BMP's that need maintenance;
33 iii. The reason maintenance is needed;
34 iv. Locations of BMP's that failed to operate as designed or intended;
35 v. Locations where additional or different BMP's are needed, and the
36 reasons why;
37 e. A description of stormwater discharged from the site. The certified ESC Lead
38 shall note the presence of suspended sediment, turbid water, discoloration,
39 and/or oil sheen, as applicable;
40 f. Any water quality monitoring performed during inspection;
41 g. A statement that, in the judgement of the certified ESC Lead conducting the site
42 inspection, the site is either in compliance or out of compliance with the terms
43 and conditions of the permits in place. If the site inspection indicates that the site
44 is out of compliance, the inspection report shall include a summary of the
45 remedial actions required to bring the site back into compliance, as well as a
46 schedule of Lead conducting the site inspection; and the following statement: "I
47 certify that this report is true, accurate, and complete, to the best of my
48 knowledge and belief".

49
50 The Contractor through the Certified ESC Lead will be responsible for conducting all
51 stormwater sampling and monitoring required by Ecology. The Certified ESC Lead shall be
52 responsible for the preparation of a monthly discharge monitoring report (DMR) to the

1 Contracting Agency that will be forwarded to Department of Ecology. The Contractor shall
2 follow the instructions contained in the most recent version of the Department of Ecology's
3 Publications - No. 99-37, and No. 06-10-020 in meeting these requirements.
4

5 **8-01.5 Payment**

6 (*****)

7 Section 8-01.5 is supplemented with the following:
8

9
10 The contract unit bid price per day for "ESC Lead" shall be full compensation for all
11 requirements necessary for the ESC Lead to achieve compliance with the specifications,
12 SWPPP, SPCC Plan and TESC Plan and requirements and these special provisions, no
13 additional compensation shall be allowed.
14

15 **8-11, GUARDRAIL**

16 (*****)

17 **8-11.1 Description**

18 Section 8-11.1 is supplemented with the following:
19

20 **Underground Utility Verification Pothole**

21 This work shall consist of verification of location and depth of underground utilities by means of non-
22 destructive excavation at all locations required by the respective utility representatives for which
23 such utility elects not to provide such verification to the contractor using other measures. The
24 contractor is hereby notified that such work may be required during the normal course of
25 construction on sections where installation of new guardrail appears to be in conflict (within 2 feet)
26 with an existing utility and whereby it is deemed to be more cost effective than to require the
27 relocation of the utility and the utility cannot provide the service in a timely manner by any other
28 means. The Contracting Agency has included the bid item "Underground Utility Verification
29 Pothole" in the proposal in order to provide for the payment of such work when required of the
30 contractor. Additional working days have been added to the contract to provide adequate time for
31 the work and accompanying lower rate of production in the installation of the guardrail components
32 for the impacted sections as identified during design.
33

34 The Contractor is hereby notified that additional working days have been included in the contract
35 time to allow for the completion of utility relocation work that may be required as part of this project.
36 **The Contractor shall provide each Utility Company affected by this project with positive**
37 **written notice** at such time as the Contractor deems that the work on any section of guardrail
38 cannot proceed until certain utility appurtenances have been relocated. The Contractor shall
39 cooperate with all Utilities and/or their contractors and so conduct operations that the necessary
40 relocation and construction of its facilities and removal of existing facilities can be accomplished
41 with a minimum of interruption of service to its customers.
42

43 The operation of the Utilities and/or their contractors in the relocation and construction of its facilities
44 and removal of existing facilities shall not be reason for a claim by the Contractor.
45

46 **8-11.3 Construction Requirements**

47 **8-11.3(1) Beam Guardrail**

48 (April 5, 2010)

49 Section 8-11.3(1) is supplemented with the following:
50

1
2 This project may contain a mixture of steel and wood posts. The bidder is advised that post
3 selection will be as detailed in the plans and these specifications.
4

5 (*****)

6 **Underground Utility Verification Pothole**

7 This work shall consist of excavation, haul and disposal of the existing roadbed and shoulder
8 material at all locations proposed for guardrail posts that are in direct conflict with an underground
9 utility as marked in the field and identified during the contractor's post layout process. The roadbed
10 material will be excavated to the extent necessary to reveal the utility for verification of horizontal
11 location and depth prior to the installation of the posts in these areas. The excavation shall be
12 accomplished by the use of a vactor truck or similar non-destructive equipment, pre-approved by
13 the Engineer, that will not have the potential to damage the utility during excavation of the holes.
14 The areas to be excavated will be as determined by the collaboration of the contractor, the utility
15 owner and the Engineer. The Contracting Agency assumes no risk for the excavation and exposure
16 of any utility by the contractor and assumes no liability as a result of any damages incurred to any
17 utility resulting from the contractor's operations.
18

19 This Item as contained in the Bid Proposal shall not be subject to the provisions of Section 1-04.4 or
20 1-04.6 of the Specifications and will only be used as may be necessary for the work to proceed in a
21 safe and timely manner.
22

23 (*****)

24 **Order of Work**

25
26 The Contractor shall schedule and pursue the work to create the least interruption and danger to
27 the traveling public. The Contractor must abide by the following general requirements:
28

- 29 1. The Contractor shall not remove any unprotected portion of the existing guardrail run unless the
30 replacement components have been assembled and all replacement work is accomplished in
31 the same working day.
- 32
33 2. The Contractor shall install rail and posts on the same day so that no unprotected, exposed
34 posts remain at the end of the working day.
- 35
36 3. Once started, the Contractor shall complete the installation of a guardrail run in a continuous
37 operation.
38
- 39 4. The Contractor shall return the roadway to unrestricted use at the end of the work day.
40

41 **8-11.4 Measurement**

42 Section 8-11.4 is supplemented with the following:
43

44 Measurement of the "Underground Utility Verification Pothole" will be per each hole excavated to the full
45 width and depth necessary to reveal the underground utility and safely install the guardrail post.
46

47 **8-11.5 Payment**

48 Section 8-11.5 is supplemented with the following:
49

50 "Underground Utility Verification Pothole" per each.

51 The unit contract price per each for "Underground Utility Verification Pothole" shall include all equipment,
52 labor, materials and incidentals necessary to excavate the utility potholes to the full width and depth to

1 fully expose the utility and allow for safe installation of the guardrail post and shall include the haul and
2 disposal of all excavated material and associated roadway cleanup.

3 4 **8-22 PAVEMENT MARKINGS**

5 **8-22.3(3)F Application Thickness**

6 Section 8-22.3(3)F is supplemented with the following:

7
8 (*****)

9 Longitudinal line markings and Plastic Stop Line shall be the durable plastic -Type D plastic,
10 Methyl methacrylate

11 12 **8-23, TEMPORARY PAVEMENT MARKINGS**

13 14 **8-23.4 Measurement**

15 (*****)

16 Section 8-23.4 is revised to read:

17
18 No measurement will be made for Temporary Pavement Markings.

19 20 **8-23.5 Payment**

21 (*****)

22 Section 8-23.5 is revised to read:

23
24 All costs for furnishing, installing, maintaining, and removing Temporary Pavement Markings
25 shall be included in the cost of HMA Class ½" PG 64-22.

26 27 **DIVISION 9** 28 **MATERIALS**

29 **9-03 AGGREGATES**

30 (January 5, 2004)

31 32 **9-03.8 (2) HMA Test Requirements**

33 Section 9-03.8(2) is supplemented with the following:

34 35 **ESAL's**

36 The number of ESAL's for the design and acceptance of the HMA shall be *** 3.0 *** million.

37 38 **9-03.8(7) HMA Tolerances and Adjustments**

39 (*****)

40 Delete item 1 and replace it with the following:

41
42 **1. Job Mix Formula Tolerances.** After the JMF is determined as required in 5-04.3(7)A, the
43 constituents of the mixture at the time of acceptance shall conform to the following tolerances:

| 44 | 45 Nonstatistical | 46 Commercial |
|-----------------------------|--------------------------|----------------------|
| 47 | 48 Evaluation | 49 Evaluation |
| Aggregate, percent passing | | |
| 1", ¾", ½", and 3/8" sieves | ±6% | ±8% |
| U.S. No. 4 sieve | ±6% | ±8% |

| | | | |
|----|--------------------|---------------------------------------|-------|
| 1 | U.S. No. 8 sieve | ±4% | ±8% |
| 2 | U.S. No. 16 sieve | ±4% | ±8% |
| 3 | U.S. No. 30 sieve | ±4% | ±8% |
| 4 | U.S. No. 50 sieve | ±4% | ±8% |
| 5 | U.S. No. 100 sieve | ±4% | ±8% |
| 6 | U.S. No. 200 sieve | ±2.0% | ±3.0% |
| 7 | Asphalt Binder | ±0.5% | ±0.7% |
| 8 | | | |
| 9 | VMA | 1.5% below minimum value in 9-03.8(2) | |
| 10 | VFA | min. and max. as listed in 9-03.8(2) | |
| 11 | Va | 2.5% minimum and 5.5% maximum | |
| 12 | | | |
| 13 | | | |

14 These tolerance limits constitute the allowable limits as described in Section 1-06.2. The tolerance
15 limit for aggregate shall not exceed the limits of the control points section, except the tolerance
16 limits for sieves designated as 100% passing will be 99-100.

17

18 **POWER EQUIPMENT**

19 (*****)

20

21 The successful bidder will be required to furnish the County a list of all equipment that they anticipate
22 utilizing on this project.

23

24 The bidder's attention is directed to the attached Power Equipment Form, which the successful bidder
25 will be required to complete and return with the contract documents. This information will enable hourly
26 rental rates to be computed by the County, utilizing the "Rental Rate Blue Book for Construction
27 Equipment". No payment for any force account work will be allowed until this form has been returned
28 and accepted by the County.

29

30 **E-VERIFY**

31 (*****)

32

33 "Effective June 21st, 2010, all contracts with a value of ≥ \$100,000 shall require that the awarded
34 contractor register with the Department of Homeland Security E-Verify program. Contractors shall have
35 sixty days after the execution of the contract to register and enter into a Memorandum of Understanding
36 (MOU) with the Department of Homeland Security (DHS) E-Verify program. After completing the MOU
37 the contractor shall have an additional sixty days to provide a written record on the authorized
38 employment status of their employees and those of any sub-contractor(s) currently assigned to the
39 contract. Employees hired during the execution of the contract and after submission of the initial
40 verification will be verified to the county within 30 days of hire, as reported from the E-Verify program.
41 The contractor will continue to update the County on all corrective actions required and changes made
42 during the performance of the contract."

43

44 **BOND**

45 (*****)

46

47 The Bidder's special attention is directed to the attached bond form, which the successful bidder will be
48 required to execute and furnish the County. **NO OTHER BOND FORMS WILL BE ACCEPTED.** The
49 bond shall be for the full amount of the contract.

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LEWIS COUNTY ESTIMATES AND PAYMENT POLICY

(*****)

On or before the 5th day of each calendar month during the term of this contract, the Contracting Agency shall prepare monthly Progress Payments for work completed and material furnished. If the Contractor agrees, the Contractor will approve the Progress Payment and return the estimate to the Contracting Agency by the 15th day of that same calendar month. The Contracting Agency shall prepare a voucher based upon the approved Progress Payment and payment based thereon shall be due the Contractor near the 10th day of the next calendar month. Material Supply contracts involving delivery of prefabricated material or stockpile material only (no physical work on Contracting Agency property) may be reimbursed via Contractor generated invoices upon written approval by the Engineer. Reimbursement by invoice shall not be subject to late charges listed on the Contractor's standard invoice form.

When the Contractor reports the work is completed he/she shall then notify the Contracting Agency. The Contracting Agency shall inspect the work and report any deficiencies to the Contractor. When the Contracting Agency is satisfied the work has been completed in accordance with all plans and specifications, the Contracting Agency shall then accept the work.

Upon completion of all work described in this Contract, the Contracting Agency shall prepare a Final Progress Payment and Final Contract Voucher for approval by the Contractor and processing for final payment. Release of the Contract Bond will be 60 days following Contracting Agency Final Acceptance of Contract, provided the conditions of Section 1-03.4 and Section 1-07.2 of these Special Provisions have been satisfied.

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 Wage Rates

- APPENDIX B:
 - Required Contract Provisions Federal-Aid Construction Contracts – FHWA 1273
 - Amendment Required Contract Provisions Federal-Aid Construction Contracts

- APPENDIX C:
 - Bid Proposal Documents

- APPENDIX D:
 - Contract Documents

- APPENDIX E:
 - Standard Plan
 - Contract Plans *****

(April 3, 2017)

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 August 1, 2016 is made a part of this contract.

The Standard Plans are revised as follows:

A-30.15

DELETED

A-40.10

Section View, PCCP to HMA Longitudinal Joint, callout, was – “Sawed Groove ~ Width 3/16” (IN) MIN. to 5/16” (IN) MAX. ~ Depth 1” (IN) MIN. ~ see Std. Spec. 5-04.3(12)B” is revised to read; “Sawed Groove ~ Width 3/16” (IN) MIN. to 5/16” (IN) MAX. ~ Depth 1” (IN) MIN. ~ see Std. Spec. Section 5-04.3(12)A2”

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-70.10

A-60.30

Note 4, was – “If the ACP and membrane is to be removed from the bridge deck, see GSP 023106 for deck preparation before placing new membrane.” Is revised to read; “If the ACP and membrane is to be removed from the bridge deck, see GSP 6-02.3(10)D.OPT6.GB6 for deck preparation before placing new membrane.”

B-10.20 and B-10.40

Substitute “step” in lieu of “handhold” on plan

B-15.60

Table, Maximum Knockout Size column, 120” Diam., 42” is revised to read; 96”

B-25.20

Note 4, was – “Bolt-Down capability is required on all frames, grates and covers, unless specified in the Contract. Provide two holes in the Frame that are vertically aligned with the grate slots. The frame shall accept the 5/8” x 11 NC x 2” allen head cap screw by being tapped, or other approved mechanism. The location of bolt-down holes varies among manufacturers. See BOLT-DOWN DETAIL, **Standard Plan B-30.10**. Is revised to read; “Bolt-Down capability is required on all frames, grates and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8” (in) - 11 NC x 2” (in) Allen head cap screw by being tapped, or other approved mechanism. The location of bolt-down holes varies by manufacturer.”

See BOLT-DOWN DETAIL, **Standard Plan B-30.10**.

Add Note 7. See Standard Specification Section 8-04 for Curb and Gutter requirements

B-30.70

Note 2, was – “Bolt-Down capability is required on all frames, grates and covers, unless specified otherwise in the Contract. Provide 3 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 5/8” -1 NC x 2” Allen head cap screw by being tapped, or other approved mechanism. Location of bolt down holes varies by manufacturer.” Is revised to read; “Bolt-Down capability is required on all frames, grates and covers, unless specified otherwise in the Contract. Provide 3 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8” (in) - 11 NC x 2” (in) Allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.”

RING PLAN, callout, was – “DRILL AND TAP 5/8” – 11NC HOLE FOR 1 1/2” X 5/8” STAINLESS STEEL SOCKET HEAD CAP SCREW (TYP.)” is revised to read; “SEE NOTE 2”

B-40.40

Note 2, was – “When bolt-down grates are specified in the Contract, provide two slots in the grate that are centered with the holes in the frame. Location of bolt-down slots varies among different manufacturers.” Is revised to read; “Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 5/8” (in) – 11 NC x 2” (in) Allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturers.”

B-45.20

Grate Support Detail, callout for steel angle, was – “5 1/2” x 1” x 1/4” STEEL ANGLE” IS REVISED TO READ; “5 1/2” x 1 1/2” x 1/4” STEEL ANGLE”

B-45.40

Grate Support Detail, callout for steel angle, was – “5 1/2” x 1” x 1/4” STEEL ANGLE” IS REVISED TO READ; “5 1/2” x 1 1/2” x 1/4” STEEL ANGLE”

B-55.20

Metal Pipe elevation, title is revised to read; “Metal Pipe and Steel Rib Reinforced Polyethylene Pipe”

B-90.40

Offset & Bend details, add the subtitle, “Plan View” above titles

C-16a

Note 1, reference C-28.40 is revised to C-20.10

C-16b

Note 3, reference C-28.40 is revised to C-20.10

C-22.14

Note 3, formula, was: “Elevation G = (Elevation S – D x (0.1) + 28” is revised to read: “Elevation G = (Elevation S – D x (0.1) + 28/12”

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-22.41

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-10.20

Wall Type 3 may be used in all cases. The last sentence of Note 6 on Wall Type 3 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

D-10.25

Wall Type 4 may be used in all cases. The last sentence of Note 6 on Wall Type 4 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

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-22.10

Sheet 2, Elevation , Three-Post Installation, Dimension, upper right, was – “.035” is revised to read: “0.35X”

G-90.10

TOP VIEW, callout, was – “Vertical Brace ~ W4 x 13 steel (TYP.)(See Note 4)” is revised to read; “Vertical Brace ~ W4 x 13 steel (TYP.)(See Note 3)”

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-3

DELETED

J-3b

DELETED

J-3C

DELETED

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.”

J-20.10

Add Note 5, "5. One accessible pedestrian signal assembly per pedestrian pushbutton post."

J-20.11

Sheet 2, Foundation Detail, Elevation, callout – "Type 1 Signal Pole" is revised to read: "Type PS or Type 1 Signal Pole"

Sheet 2, Foundation Detail, Elevation, add note below Title, "(Type 1 Signal Pole Shown)"

Add Note 6, "6. One accessible pedestrian signal assembly per pedestrian pushbutton post."

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 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 1/2" 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 1/2" 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 1/2" 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-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-60.14

All references to J-16b (6x) are revised to read; J-60.11

K-80.30

In the NARROW BASE, END view, the reference to Std. Plan C-8e is revised to Std. Plan K-80.35

M-11.10

Layout, dimension (from stop bar to "X"), was - 23' is revised to read; 24'

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-40.10-03.....12/23/14 | 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-40.20-03.....12/23/14 | A-60.20-03.....12/23/14 |
| A-30.10-00.....11/8/07 | A-40.50-02.....12/23/14 | A-60.30-00.....11/8/07 |
| 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-5.20-01.....6/16/11 | B-30.50-01.....4/26/12 | B-75.20-01.....6/10/08 |
| B-5.40-01.....6/16/11 | B-30.70-03.....4/26/12 | B-75.50-01.....6/10/08 |
| B-5.60-01.....6/16/11 | B-30.80-00.....6/8/06 | B-75.60-00.....6/8/06 |
| B-10.20-01.....2/7/12 | B-30.90-01.....9/20/07 | B-80.20-00.....6/8/06 |
| B-10.40-00.....6/1/06 | B-35.20-00.....6/8/06 | B-80.40-00.....6/1/06 |
| B-10.60-00.....6/8/06 | B-35.40-00.....6/8/06 | B-82.20-00.....6/1/06 |
| B-15.20-01.....2/7/12 | B-40.20-00.....6/1/06 | B-85.10-01.....6/10/08 |
| B-15.40-01.....2/7/12 | B-40.40-01.....6/16/10 | B-85.20-00.....6/1/06 |
| B-15.60-01.....2/7/12 | B-45.20-00.....6/1/06 | B-85.30-00.....6/1/06 |
| B-20.20-02.....3/16/12 | B-45.40-00.....6/1/06 | B-85.40-00.....6/8/06 |
| B-20.40-03.....3/16/12 | B-50.20-00.....6/1/06 | B-85.50-01.....6/10/08 |
| B-20.60-03.....3/15/12 | B-55.20-00.....6/1/06 | B-90.10-00.....6/8/06 |
| B-25.20-01.....3/15/12 | B-60.20-00.....6/8/06 | B-90.20-00.....6/8/06 |
| B-25.60-00.....6/1/06 | B-60.40-00.....6/1/06 | B-90.30-00.....6/8/06 |
| B-30.10-01.....4/26/12 | B-65.20-01.....4/26/12 | B-90.40-00.....6/8/06 |
| B-30.20-02.....4/26/12 | B-65.40-00.....6/1/06 | B-90.50-00.....6/8/06 |
| B-30.30-01.....4/26/12 | B-70.20-00.....6/1/06 | B-95.20-01.....2/3/09 |
| B-30.40-01.....4/26/12 | B-70.60-00.....6/1/06 | B-95.40-00.....6/8/06 |
| | | |
| C-1.....7/12/16 | C-6.....7/15/16 | C-23.60-03.....6/11/14 |
| C-1a.....7/14/15 | C-6a.....10/14/09 | C-24.10-01.....6/11/14 |
| C-1b.....7/14/15 | C-6c.....7/15/16 | C-25.18-05.....7/14/15 |
| C-1c.....7/12/16 | C-6d.....7/15/16 | C-25.20-06.....7/14/15 |
| C-1d.....10/31/03 | C-6f.....7/15/16 | C-25.22-05.....7/14/15 |
| C-2.....1/6/00 | C-7.....6/16/11 | C-25.26-03.....7/14/15 |
| C-2a.....6/21/06 | C-7a.....6/16/11 | C-25.80-04.....7/15/16 |
| C-2b.....6/21/06 | C-8.....2/10/09 | C-40.14-02.....7/2/12 |
| C-2c.....6/21/06 | C-8a.....7/25/97 | C-40.16-02.....7/2/12 |
| C-2d.....6/21/06 | C-8b.....2/29/16 | C-40.18-02.....7/2/12 |
| C-2e.....6/21/06 | C-8e.....2/21/07 | C-70.10-01.....6/17/14 |
| C-2f.....3/14/97 | C-8f.....6/30/04 | C-75.10-01.....6/11/14 |
| C-2g.....7/27/01 | C-10.....7/15/16 | C-75.20-01.....6/11/14 |
| C-2h.....3/28/97 | C-16a.....6/3/10 | C-75.30-01.....6/11/14 |
| C-2i.....3/28/97 | C-20.10-03.....7/14/15 | C-80.10-01.....6/11/14 |
| C-2j.....6/12/98 | C-20.14-03.....6/11/14 | C-80.20-01.....6/11/14 |
| C-2k.....7/12/16 | C-20.15-02.....6/11/14 | C-80.30-01.....6/11/14 |
| C-2n.....7/12/16 | C-20.18-02.....6/11/14 | C-80.40-01.....6/11/14 |

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|-------------------|------------------------|------------------------|
| C-2o.....7/13/01 | C-20.19-02.....6/11/14 | C-80.50-00.....4/8/12 |
| C-2p.....10/31/03 | C-20.40-05.....7/14/15 | C-85.10-00.....4/8/12 |
| C-3.....7/2/12 | C-20.41-01.....7/14/15 | C-85.11-00.....4/8/12 |
| C-3a.....10/4/05 | C-20.42-05.....7/14/15 | C-85.14-01.....6/11/14 |
| C-3b.....6/27/11 | C-20.45.01.....7/2/12 | C-85.15-01.....6/30/14 |
| C-3c.....6/27/11 | C-22.14-04.....7/15/16 | C-85.16-01.....6/17/14 |
| C-4b.....7/15/16 | C-22.16-05.....7/14/15 | C-85.18-01.....6/11/14 |
| C-4e.....7/15/16 | C-22.40-05.....7/15/16 | C-85.20-01.....6/11/14 |
| C-4f.....7/2/12 | C-22.45-02.....7/15/16 | C-90.10-00.....7/3/08 |
| C-16b.....6/3/10 | | |

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|------------------------|------------------------|-------------------------|
| 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-10.20-00.....7/8/08 |
| D-2.20-00.....11/10/05 | D-2.84-00.....11/10/05 | D-10.25-00.....7/8/08 |
| 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-15.10-01.....12/2/08 |
| D-2.60-00.....11/10/05 | D-3.11-03.....6/11/14 | D-15.20-03.....5/9/16 |
| D-2.62-00.....11/10/05 | D-3.15-02.....6/10/13 | D-15.30-01.....12/02/08 |
| D-2.46-01.....6/11/14 | D-3.16-02.....5/29/13 | |

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| E-1.....2/21/07 | E-4.....8/27/03 |
| E-2.....5/29/98 | E-4a.....8/27/03 |

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| 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-10.18-00.....6/27/11 | 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 | |

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| G-10.10-00.....9/20/07 | G-25.10-04.....6/10/13 | G-90.10-02.....4/28/16 |
| G-20.10-02.....6/23/15 | G-30.10-04.....6/23/15 | G-90.11-00.....4/28/16 |
| G-22.10-03.....7/10/15 | G-50.10-02.....6/23/15 | G-90.20-04.....4/28/16 |
| G-24.10-00.....11/8/07 | G-60.10-03.....6/18/15 | G-90.30-03.....4/28/16 |
| G-24.20-01.....2/7/12 | G-60.20-02.....6/18/15 | G-90.40-02.....4/28/16 |
| G-24.30-01.....2/7/12 | G-60.30-02.....6/18/15 | G-95.10-01.....6/2/11 |
| G-24.40-06.....2/29/16 | G-70.10-03.....6/18/15 | G-95.20-02.....6/2/11 |
| G-24.50-03.....6/17/14 | G-70.20-03.....2/29/16 | G-95.30-02.....6/2/11 |
| G-24.60-04.....6/23/15 | G-70.30-03.....2/29/16 | |

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|-------------------------|------------------------|------------------------|
| 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 |

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| 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-30.30-01.....6/10/13 | I-50.20-01.....6/10/13 |
| I-30.15-02.....3/22/13 | I-30.40-01.....6/10/13 | I-60.10-01.....6/10/13 |
| I-30.16-00.....3/22/13 | I-30.60-00.....5/29/13 | I-60.20-01.....6/10/13 |

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| I-30.17-00.....3/22/13 | I-40.10-00.....9/20/07 | I-80.10-02.....7/15/16 |
| J-10.....7/18/97 | J-26.20-00.....6/11/14 | J-40.38-01.....5/20/13 |
| J-10.10-03.....6/3/15 | J-27.10-01.....7/21/16 | J-40.39-00.....5/20/13 |
| J-10.15-01.....6/11/14 | J-27.15-00.....3/15/12 | J-40.40-01.....4/28/16 |
| J-10.16-00.....6/3/15 | J-28.10-01.....5/11/11 | J-50.10-00.....6/3/11 |
| J-10.17-00.....6/3/15 | J-28.22-00.....8/07/07 | J-50.11-00.....6/3/11 |
| J-10.18-00.....6/3/15 | J-28.24-01.....6/3/15 | J-50.12-00.....6/3/11 |
| J-10.20-01.....6/1/16 | J-28.26-01.....12/02/08 | J-50.15-00.....6/3/11 |
| J-10.21-00.....6/3/15 | J-28.30-03.....6/11/14 | J-50.16-01.....3/22/13 |
| J-10.22-00.....5/29/13 | J-28.40-02.....6/11/14 | J-50.20-00.....6/3/11 |
| J-15.10-01.....6/11/14 | J-28.42-01.....6/11/14 | J-50.25-00.....6/3/11 |
| J-15.15-02.....7/10/15 | J-28.43-00.....6/11/14 | J-50.30-00.....6/3/11 |
| J-20.10-03.....6/30/14 | J-28.45-03.....7/21/16 | J-60.05-01.....7/21/16 |
| J-20.11-02.....6/30/14 | J-28.50-03.....7/21/16 | J-60.11-00.....5/20/13 |
| J-20.15-03.....6/30/14 | J-28.60-02.....7/21/16 | J-60.12-00.....5/20/13 |
| J-20.16-02.....6/30/14 | J-28.70-02.....6/1/16 | J-60.13-00.....6/16/10 |
| J-20.20-02.....5/20/13 | J-29.10-01.....7/21/16 | J-60.14-00.....6/16/10 |
| J-20.26-01.....7/12/12 | J-29.15-01.....7/21/16 | J-75.10-02.....7/10/15 |
| J-21.10-04.....6/30/14 | J-29.16-02.....7/21/16 | J-75.20-01.....7/10/15 |
| J-21.15-01.....6/10/13 | J-30.10-00.....6/18/15 | J-75.30-02.....7/10/15 |
| J-21.16-01.....6/10/13 | J-40.05-00.....7/21/16 | J-75.40-02.....6/1/16 |
| J-21.17-01.....6/10/13 | J-40.10-04.....4/28/16 | J-75.41-01.....6/29/16 |
| J-21.20-01.....6/10/13 | J-40.20-03.....4/28/16 | J-75.45-02.....6/1/16 |
| J-22.15-02.....7/10/15 | J-40.30-04.....4/28/16 | J-90.10-02.....4/28/16 |
| J-22.16-03.....7/10/15 | J-40.35-01.....5/29/13 | J-90.20-02.....4/28/16 |
| J-26.10-03.....7/21/16 | J-40.36-01.....5/20/13 | J-90.21-01.....4/28/16 |
| J-26.15-01.....5/17/12 | J-40.37-01.....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-80.30-00.....2/21/07
 K-80.35-00.....2/21/07
 K-80.37-00.....2/21/07

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| 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 | |

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| M-1.20-03.....6/24/14 | M-9.60-00.....2/10/09 | M-40.10-03.....6/24/14 |
| M-1.40-02.....6/3/11 | M-11.10-01.....1/30/07 | M-40.20-00.....10/12/07 |
| M-1.60-02.....6/3/11 | M-15.10-01.....2/6/07 | M-40.30-00.....9/20/07 |
| M-1.80-03.....6/3/11 | M-17.10-02.....7/3/08 | M-40.40-00.....9/20/07 |
| M-2.20-03.....7/10/15 | M-20.10-02.....6/3/11 | M-40.50-00.....9/20/07 |
| M-2.21-00.....7/10/15 | M-20.20-02.....4/20/15 | M-40.60-00.....9/20/07 |
| M-3.10-03.....6/3/11 | M-20.30-04.....2/29/16 | M-60.10-01.....6/3/11 |
| M-3.20-02.....6/3/11 | M-20.40-03.....6/24/14 | M-60.20-02.....6/27/11 |
| M-3.30-03.....6/3/11 | M-20.50-02.....6/3/11 | M-65.10-02.....5/11/11 |
| M-3.40-03.....6/3/11 | M-24.20-02.....4/20/15 | M-80.10-01.....6/3/11 |
| M-3.50-02.....6/3/11 | M-24.40-02.....4/20/15 | M-80.20-00.....6/10/08 |
| M-5.10-02.....6/3/11 | M-24.50-00.....6/16/11 | M-80.30-00.....6/10/08 |
| M-7.50-01.....1/30/07 | M-24.60-04.....6/24/14 | |
| M-9.50-02.....6/24/14 | | |

APPENDIX A

WASHINGTON STATE PREVAILING WAGE RATES

INCLUDING:

State Wage Rates

Wage Rate Supplements

Wage Rate Benefit Codes

Federal 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: 6/5/2017

| <u>County</u> | <u>Trade</u> | <u>Job Classification</u> | <u>Wage</u> | <u>Holiday</u> | <u>Overtime</u> | <u>Note</u> |
|---------------|--|-----------------------------------|-------------|----------------|-----------------|-------------|
| Lewis | Asbestos Abatement Workers | Journey Level | \$45.25 | <u>5D</u> | <u>1H</u> | |
| Lewis | Boilermakers | Journey Level | \$64.54 | <u>5N</u> | <u>1C</u> | |
| Lewis | Brick Mason | Journey Level | \$54.32 | <u>5A</u> | <u>1M</u> | |
| Lewis | Brick Mason | Pointer-Caulker-Cleaner | \$54.32 | <u>5A</u> | <u>1M</u> | |
| Lewis | Building Service Employees | Janitor | \$11.00 | | <u>1</u> | |
| Lewis | Building Service Employees | Shampooer | \$11.00 | | <u>1</u> | |
| Lewis | Building Service Employees | Waxer | \$11.00 | | <u>1</u> | |
| Lewis | Building Service Employees | Window Cleaner | \$13.22 | | <u>1</u> | |
| Lewis | Cabinet Makers (In Shop) | Journey Level | \$23.17 | | <u>1</u> | |
| Lewis | Carpenters | Acoustical Worker | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Lewis | Carpenters | Bridge, Dock And Wharf Carpenters | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Lewis | Carpenters | Carpenter | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Lewis | Carpenters | Carpenters on Stationary Tools | \$55.64 | <u>5D</u> | <u>4C</u> | |
| Lewis | Carpenters | Creosoted Material | \$55.61 | <u>5D</u> | <u>4C</u> | |
| Lewis | Carpenters | Floor Finisher | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Lewis | Carpenters | Floor Layer | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Lewis | Carpenters | Scaffold Erector | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Lewis | Cement Masons | Journey Level | \$55.56 | <u>7A</u> | <u>1M</u> | |
| Lewis | Divers & Tenders | Diver | \$108.77 | <u>5D</u> | <u>4C</u> | <u>8A</u> |
| Lewis | Divers & Tenders | Diver On Standby | \$66.05 | <u>5D</u> | <u>4C</u> | |
| Lewis | Divers & Tenders | Diver Tender | \$59.88 | <u>5D</u> | <u>4C</u> | |
| Lewis | Divers & Tenders | Surface Rcv & Rov Operator | \$59.88 | <u>5D</u> | <u>4C</u> | |
| Lewis | Divers & Tenders | Surface Rcv & Rov Operator Tender | \$55.76 | <u>5A</u> | <u>4C</u> | |
| Lewis | Dredge Workers | Assistant Engineer | \$56.44 | <u>5D</u> | <u>3F</u> | |
| Lewis | Dredge Workers | Assistant Mate (Deckhand) | \$56.00 | <u>5D</u> | <u>3F</u> | |
| Lewis | Dredge Workers | Boatmen | \$56.44 | <u>5D</u> | <u>3F</u> | |

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|-------|--|--------------------------------------|---------|-----------|-----------|
| Lewis | Dredge Workers | Engineer Welder | \$57.51 | <u>5D</u> | <u>3F</u> |
| Lewis | Dredge Workers | Leverman, Hydraulic | \$58.67 | <u>5D</u> | <u>3F</u> |
| Lewis | Dredge Workers | Mates | \$56.44 | <u>5D</u> | <u>3F</u> |
| Lewis | Dredge Workers | Oiler | \$56.00 | <u>5D</u> | <u>3F</u> |
| Lewis | Drywall Applicator | Journey Level | \$55.51 | <u>5D</u> | <u>1H</u> |
| Lewis | Drywall Tapers | Journey Level | \$23.26 | | <u>1</u> |
| Lewis | Electrical Fixture Maintenance Workers | Journey Level | \$11.00 | | <u>1</u> |
| Lewis | Electricians - Inside | Cable Splicer | \$64.96 | <u>5C</u> | <u>1G</u> |
| Lewis | Electricians - Inside | Journey Level | \$61.24 | <u>5C</u> | <u>1G</u> |
| Lewis | Electricians - Inside | Lead Covered Cable Splicer | \$68.74 | <u>5C</u> | <u>1G</u> |
| Lewis | Electricians - Inside | Welder | \$64.99 | <u>5C</u> | <u>1G</u> |
| Lewis | Electricians - Motor Shop | Craftsman | \$15.37 | | <u>1</u> |
| Lewis | Electricians - Motor Shop | Journey Level | \$14.69 | | <u>1</u> |
| Lewis | Electricians - Powerline Construction | Cable Splicer | \$73.93 | <u>5A</u> | <u>4D</u> |
| Lewis | Electricians - Powerline Construction | Certified Line Welder | \$67.60 | <u>5A</u> | <u>4D</u> |
| Lewis | Electricians - Powerline Construction | Groundperson | \$45.49 | <u>5A</u> | <u>4D</u> |
| Lewis | Electricians - Powerline Construction | Heavy Line Equipment Operator | \$67.60 | <u>5A</u> | <u>4D</u> |
| Lewis | Electricians - Powerline Construction | Journey Level Lineperson | \$67.60 | <u>5A</u> | <u>4D</u> |
| Lewis | Electricians - Powerline Construction | Line Equipment Operator | \$57.02 | <u>5A</u> | <u>4D</u> |
| Lewis | Electricians - Powerline Construction | Pole Sprayer | \$67.60 | <u>5A</u> | <u>4D</u> |
| Lewis | Electricians - Powerline Construction | Powderperson | \$50.76 | <u>5A</u> | <u>4D</u> |
| Lewis | Electronic Technicians | Journey Level | \$28.46 | | <u>1</u> |
| Lewis | Elevator Constructors | Mechanic | \$85.45 | <u>7D</u> | <u>4A</u> |
| Lewis | Elevator Constructors | Mechanic In Charge | \$92.35 | <u>7D</u> | <u>4A</u> |
| Lewis | Fabricated Precast Concrete Products | Journey Level - In-Factory Work Only | \$13.50 | | <u>1</u> |
| Lewis | Fence Erectors | Fence Erector | \$13.80 | | <u>1</u> |
| Lewis | Fence Erectors | Fence Laborer | \$11.60 | | <u>1</u> |
| Lewis | Flaggers | Journey Level | \$38.36 | <u>7A</u> | <u>3I</u> |
| Lewis | Glaziers | Journey Level | \$23.50 | | <u>1</u> |
| Lewis | Heat & Frost Insulators And Asbestos Workers | Journeyman | \$65.68 | <u>5J</u> | <u>4H</u> |
| Lewis | Heating Equipment Mechanics | Journey Level | \$75.46 | <u>7F</u> | <u>1E</u> |
| Lewis | Hod Carriers & Mason Tenders | Journey Level | \$46.66 | <u>7A</u> | <u>3I</u> |
| Lewis | Industrial Power Vacuum Cleaner | Journey Level | \$11.00 | | <u>1</u> |
| Lewis | Inland Boatmen | Boat Operator | \$59.86 | <u>5B</u> | <u>1K</u> |
| Lewis | Inland Boatmen | Cook | \$56.18 | <u>5B</u> | <u>1K</u> |
| Lewis | Inland Boatmen | Deckhand | \$56.18 | <u>5B</u> | <u>1K</u> |
| Lewis | Inland Boatmen | Deckhand Engineer | \$57.26 | <u>5B</u> | <u>1K</u> |

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| Lewis | Inland Boatmen | Launch Operator | \$58.59 | <u>5B</u> | <u>1K</u> | |
| Lewis | Inland Boatmen | Mate | \$58.59 | <u>5B</u> | <u>1K</u> | |
| Lewis | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Cleaner Operator, Foamer Operator | \$11.00 | | <u>1</u> | |
| Lewis | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Grout Truck Operator | \$11.48 | | <u>1</u> | |
| Lewis | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Head Operator | \$12.78 | | <u>1</u> | |
| Lewis | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Technician | \$11.00 | | <u>1</u> | |
| Lewis | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Tv Truck Operator | \$11.00 | | <u>1</u> | |
| Lewis | Insulation Applicators | Journey Level | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Lewis | Ironworkers | Journeyman | \$65.48 | <u>7N</u> | <u>10</u> | |
| Lewis | Laborers | Air, Gas Or Electric Vibrating Screed | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Airtrac Drill Operator | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Ballast Regular Machine | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Batch Weighman | \$38.36 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Brick Pavers | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Brush Cutter | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Brush Hog Feeder | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Burner | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Caisson Worker | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Carpenter Tender | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Caulker | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Cement Dumper-paving | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Cement Finisher Tender | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Change House Or Dry Shack | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Chipping Gun (under 30 Lbs.) | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Chipping Gun(30 Lbs. And Over) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Choker Setter | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Chuck Tender | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Clary Power Spreader | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Clean-up Laborer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Concrete Dumper/chute Operator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Concrete Form Stripper | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Concrete Placement Crew | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Concrete Saw Operator/core Driller | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Crusher Feeder | \$38.36 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Curing Laborer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Demolition: Wrecking & | \$45.25 | <u>7A</u> | <u>3I</u> | |

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|-------|--------------------------|--|---------|-----------|-----------|
| | | Moving (incl. Charred Material) | | | |
| Lewis | Laborers | Ditch Digger | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Diver | \$46.66 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Drill Operator (hydraulic, diamond) | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Dry Stack Walls | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Dump Person | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Epoxy Technician | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Erosion Control Worker | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Faller & Bucker Chain Saw | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Fine Graders | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Firewatch | \$38.36 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Form Setter | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Gabian Basket Builders | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | General Laborer | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Grade Checker & Transit Person | \$46.66 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Grinders | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Grout Machine Tender | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Groutmen (pressure)including Post Tension Beams | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Guardrail Erector | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Hazardous Waste Worker (level A) | \$46.66 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Hazardous Waste Worker (level B) | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Hazardous Waste Worker (level C) | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | High Scaler | \$46.66 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Jackhammer | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Laserbeam Operator | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Maintenance Person | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Manhole Builder-mudman | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Material Yard Person | \$45.25 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Motorman-dinky Locomotive | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Pavement Breaker | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Pilot Car | \$38.36 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Pipe Layer Lead | \$46.66 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Pipe Layer/tailor | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Pipe Pot Tender | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Pipe Reliner | \$46.09 | <u>7A</u> | <u>3I</u> |
| Lewis | Laborers | Pipe Wrapper | \$46.09 | <u>7A</u> | <u>3I</u> |

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|-------|--------------------------|---|----------|-----------|-----------|-----------|
| Lewis | Laborers | Pot Tender | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Powderman | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Powderman's Helper | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Power Jacks | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Railroad Spike Puller - Power | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Raker - Asphalt | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Re-timberman | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Remote Equipment Operator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Rigger/signal Person | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Rip Rap Person | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Rivet Buster | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Rodder | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Scaffold Erector | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Scale Person | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Sloper (over 20") | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Sloper Sprayer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Spreader (concrete) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Stake Hopper | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Stock Piler | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Tamper & Similar Electric, Air & Gas Operated Tools | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Tamper (multiple & Self-propelled) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Timber Person - Sewer (lagger, Shorer & Cribber) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Toolroom Person (at Jobsite) | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Topper | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Track Laborer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Track Liner (power) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Traffic Control Laborer | \$41.02 | <u>7A</u> | <u>3I</u> | <u>8R</u> |
| Lewis | Laborers | Traffic Control Supervisor | \$41.02 | <u>7A</u> | <u>3I</u> | <u>8R</u> |
| Lewis | Laborers | Truck Spotter | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Tugger Operator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 0-30 psi | \$83.12 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 30.01-44.00 psi | \$88.15 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 44.01-54.00 psi | \$91.83 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 54.01-60.00 psi | \$97.53 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 60.01-64.00 psi | \$99.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 64.01-68.00 psi | \$104.75 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 68.01-70.00 psi | \$106.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Compressed Air Worker 70.01-72.00 psi | \$108.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |

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| Lewis | Laborers | Tunnel Work-Compressed Air Worker 72.01-74.00 psi | \$110.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Guage and Lock Tender | \$46.76 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Tunnel Work-Miner | \$46.76 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Lewis | Laborers | Vibrator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Vinyl Seamer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Watchman | \$34.86 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Welder | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Well Point Laborer | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers | Window Washer/cleaner | \$34.86 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers - Underground Sewer & Water | General Laborer & Topman | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Lewis | Laborers - Underground Sewer & Water | Pipe Layer | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Lewis | Landscape Construction | Irrigation Or Lawn Sprinkler Installers | \$11.42 | | <u>1</u> | |
| Lewis | Landscape Construction | Landscape Equipment Operators Or Truck Drivers | \$11.00 | | <u>1</u> | |
| Lewis | Landscape Construction | Landscaping Or Planting Laborers | \$11.00 | | <u>1</u> | |
| Lewis | Lathers | Journey Level | \$55.51 | <u>5D</u> | <u>1H</u> | |
| Lewis | Marble Setters | Journey Level | \$54.32 | <u>5A</u> | <u>1M</u> | |
| Lewis | Metal Fabrication (In Shop) | Fitter | \$15.16 | | <u>1</u> | |
| Lewis | Metal Fabrication (In Shop) | Laborer | \$11.13 | | <u>1</u> | |
| Lewis | Metal Fabrication (In Shop) | Machine Operator | \$11.00 | | <u>1</u> | |
| Lewis | Metal Fabrication (In Shop) | Painter | \$11.41 | | <u>1</u> | |
| Lewis | Metal Fabrication (In Shop) | Welder | \$15.16 | | <u>1</u> | |
| Lewis | Millwright | Journey Level | \$57.01 | <u>5D</u> | <u>4C</u> | |
| Lewis | Modular Buildings | Cabinet Assembly | \$11.00 | | <u>1</u> | |
| Lewis | Modular Buildings | Electrician | \$11.00 | | <u>1</u> | |
| Lewis | Modular Buildings | Equipment Maintenance | \$11.00 | | <u>1</u> | |
| Lewis | Modular Buildings | Plumber | \$11.00 | | <u>1</u> | |
| Lewis | Modular Buildings | Production Worker | \$11.00 | | <u>1</u> | |
| Lewis | Modular Buildings | Tool Maintenance | \$11.00 | | <u>1</u> | |
| Lewis | Modular Buildings | Utility Person | \$11.00 | | <u>1</u> | |
| Lewis | Modular Buildings | Welder | \$11.00 | | <u>1</u> | |
| Lewis | Painters | Journey Level | \$40.60 | <u>6Z</u> | <u>2B</u> | |
| Lewis | Pile Driver | Journey Level | \$55.76 | <u>5D</u> | <u>4C</u> | |
| Lewis | Plasterers | Journey Level | \$53.20 | <u>7Q</u> | <u>1R</u> | |
| Lewis | Playground & Park Equipment Installers | Journey Level | \$11.00 | | <u>1</u> | |
| Lewis | Plumbers & Pipefitters | Journey Level | \$67.47 | <u>5A</u> | <u>1G</u> | |
| Lewis | Power Equipment Operators | Asphalt Plant Operator | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Assistant Engineers | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Barrier Machine (zipper) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Batch Plant Operator: Concrete | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| Lewis | Power Equipment Operators | Bobcat | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Brokk - Remote Demolition Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Brooms | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Bump Cutter | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cableways | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Chipper | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Compressor | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Concrete Pump: Truck Mount With Boom Attachment Over 42m | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Concrete Finish Machine - laser Screed | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Concrete Pump: Truck Mount With Boom Attachment Up To 42m | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Conveyors | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes, 100 Tons - 199 Tons, Or 150 Ft Of Boom (including Jib With Attachments) | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: 20 Tons Through 44 Tons With Attachments | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: 200 tons to 299 tons, or 250' of boom (including jib with attachments) | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: 300 tons and over, or 300' of boom (including jib with attachments) | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments) | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: A-frame - 10 Tons And Under | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: Friction 200 tons and over. Tower Cranes: over 250' in height from base to boom. | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: Friction cranes through 199 tons | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Crusher | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Deck Engineer/deck Winches (power) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Derricks, On Building Work | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Dozers D-9 & Under | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Drill Oilers: Auger Type, Truck Or Crane Mount | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Drilling Machine | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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|-------|---|--|---------|-----------|-----------|-----------|
| Lewis | Power Equipment Operators | Elevator And Man-lift: Permanent And Shaft Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Finishing Machine, Bidwell And Gamaco & Similar Equipment | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Forklift: 3000 Lbs And Over With Attachments | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Forklifts: Under 3000 Lbs. With Attachments | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Grade Engineer: Using Blueprints, Cut Sheets, etc. | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Gradechecker/stakeman | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Guardrail punch/Auger | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Horizontal/directional Drill Locator | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Horizontal/directional Drill Operator | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Hydralifts/Boom Trucks Over 10 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Hydralifts/boom Trucks, 10 Tons And Under | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Loader, Overhead 8 Yards. & Over | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Loader, Overhead, 6 Yards. But Not Including 8 Yards | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Loaders, Overhead Under 6 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Loaders, Plant Feed | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Loaders: Elevating Type Belt | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Locomotives, All | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Material Transfer Device | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Mechanics, All (Leadmen - \$0.50 Per Hour Over Mechanic) | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Motor patrol graders | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Oil Distributors, Blower Distribution & Mulch Seeding Operator | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Outside Hoists (elevators And Manlifts), Air Tuggers, strato | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Overhead, Bridge Type Crane: 20 Tons Through 44 Tons | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Overhead, Bridge Type: 100 | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

| | | Tons And Over | | | | |
|-------|---|--|---------|-----------|-----------|-----------|
| Lewis | Power Equipment Operators | Overhead, Bridge Type: 45 Tons Through 99 Tons | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Pavement Breaker | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Pile Driver (other Than Crane Mount) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Plant Oiler - Asphalt, Crusher | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Posthole Digger, Mechanical | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Power Plant | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Pumps - Water | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Quad 9, HD 41, D10 And Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Quick Tower - No Cab, Under 100 Feet In Height Based To Boom | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Remote Control Operator On Rubber Tired Earth Moving Equipment | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Rigger And Bellman | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Rigger/Signal Person, Bellman (Certified) | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Rollagon | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Roller, Other Than Plant Mix | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Roller, Plant Mix Or Multi-lift Materials | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Roto-mill, Roto-grinder | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Saws - Concrete | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Scraper, Self Propelled Under 45 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Scrapers - Concrete & Carry All | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Scrapers, Self-propelled: 45 Yards And Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Service Engineers - Equipment | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Shotcrete/gunite Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons. | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Shovel, Excavator, Backhoes: Over 90 Metric Tons | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Slipform Pavers | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Spreader, Topsider & Screedman | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| Lewis | Power Equipment Operators | Subgrader Trimmer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Tower Bucket Elevators | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Tower crane over 175' through 250' in height, base to boom | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Tower Crane Up: To 175' In Height, Base To Boom | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Transporters, All Track Or Truck Type | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Trenching Machines | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Truck Crane Oiler/driver - 100 Tons And Over | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Truck Crane Oiler/driver Under 100 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Truck Mount Portable Conveyor | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Welder | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Wheel Tractors, Farmall Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators | Yo Yo Pay Dozer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Asphalt Plant Operator | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Assistant Engineers | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Barrier Machine (zipper) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Batch Plant Operator: Concrete | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Bobcat | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Brokk - Remote Demolition Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Brooms | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Bump Cutter | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cableways | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Chipper | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Compressor | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Concrete Pump: Truck Mount With Boom Attachment Over 42m | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Concrete Finish Machine - laser Screed | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Concrete Pump: Truck Mount With Boom Attachment Up To 42m | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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|-------|---|--|---------|-----------|-----------|-----------|
| Lewis | Power Equipment Operators-Underground Sewer & Water | Conveyors | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes, 100 Tons - 199 Tons, Or 150 Ft Of Boom (including Jib With Attachments) | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes, 200 tons to 299 tons, or 250' of boom (including jib with attachments) | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes, Over 300 Tons, Or 300' Of Boom Including Jib With Attachments | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes: 20 Tons Through 44 Tons With Attachments | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | cranes: 300 tons and over, or 300' of boom (including jib with attachments) | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments) | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes: A-frame - 10 Tons And Under | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes: Friction 200 tons and over. Tower Cranes: over 250' in height from base to boom. | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes: Friction cranes through 199 tons | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Crusher | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Deck Engineer/deck Winches (power) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Derricks, On Building Work | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Dozers D-9 & Under | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Drill Oilers: Auger Type, Truck Or Crane Mount | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Drilling Machine | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Elevator And Man-lift: Permanent And Shaft Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Finishing Machine, Bidwell And Gamaco & Similar Equipment | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Forklift: 3000 Lbs And Over With Attachments | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Forklifts: Under 3000 Lbs. With Attachments | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Grade Engineer: Using Blueprints, Cut Sheets,etc. | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- | Gradechecker/stakeman | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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|-------|---|--|---------|-----------|-----------|-----------|
| | Underground Sewer & Water | | | | | |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Guardrail punch/Auger | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Horizontal/directional Drill Locator | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Horizontal/directional Drill Operator | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Hydralifts/Boom Trucks Over 10 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Hydralifts/boom Trucks, 10 Tons And Under | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Loader, Overhead 8 Yards. & Over | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Loader, Overhead, 6 Yards. But Not Including 8 Yards | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Loaders, Overhead Under 6 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Loaders, Plant Feed | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Loaders: Elevating Type Belt | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Locomotives, All | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Material Transfer Device | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Mechanics, All (Leadmen - \$0.50 Per Hour Over Mechanic) | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Motor patrol graders | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Oil Distributors, Blower Distribution & Mulch Seeding Operator | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Outside Hoists (elevators And Manlifts), Air Tuggers, strato | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Overhead, Bridge Type Crane: 20 Tons Through 44 Tons | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Overhead, Bridge Type: 100 Tons And Over | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Overhead, Bridge Type: 45 Tons Through 99 Tons | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Pavement Breaker | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Pile Driver (other Than Crane | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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|-------|--|--|---------|-----------|-----------|-----------|
| | Underground Sewer & Water | Mount) | | | | |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Plant Oiler - Asphalt, Crusher | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Posthole Digger, Mechanical | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Power Plant | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Pumps - Water | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Quad 9, HD 41, D10 And Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Quick Tower - No Cab, Under 100 Feet In Height Based To Boom | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Remote Control Operator On Rubber Tired Earth Moving Equipment | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Rigger And Bellman | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Rigger/Signal Person, Bellman (Certified) | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Rollagon | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Roller, Other Than Plant Mix | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Roller, Plant Mix Or Multi-lift Materials | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Roto-mill, Roto-grinder | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Saws - Concrete | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Scraper, Self Propelled Under 45 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Scrapers - Concrete & Carry All | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Scrapers, Self-propelled: 45 Yards And Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Service Engineers - Equipment | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Shotcrete/gunite Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons. | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators- Underground Sewer & Water | Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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|-------|---|--|---------|-----------|-----------|-----------|
| Lewis | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoes: Over 90 Metric Tons | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Slipform Pavers | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Spreader, Topsider & Screedman | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Subgrader Trimmer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Tower Bucket Elevators | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Tower crane over 175' through 250' in height, base to boom | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Tower Crane: Up To 175' In Height, Base To Boom | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Transporters, All Track Or Truck Type | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Trenching Machines | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Truck Crane Oiler/driver - 100 Tons And Over | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Truck Crane Oiler/driver Under 100 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Truck Mount Portable Conveyor | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Welder | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Wheel Tractors, Farmall Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Equipment Operators-Underground Sewer & Water | Yo Yo Pay Dozer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Lewis | Power Line Clearance Tree Trimmers | Journey Level In Charge | \$48.54 | <u>5A</u> | <u>4A</u> | |
| Lewis | Power Line Clearance Tree Trimmers | Spray Person | \$46.03 | <u>5A</u> | <u>4A</u> | |
| Lewis | Power Line Clearance Tree Trimmers | Tree Equipment Operator | \$48.54 | <u>5A</u> | <u>4A</u> | |
| Lewis | Power Line Clearance Tree Trimmers | Tree Trimmer | \$43.32 | <u>5A</u> | <u>4A</u> | |
| Lewis | Power Line Clearance Tree Trimmers | Tree Trimmer Groundperson | \$32.68 | <u>5A</u> | <u>4A</u> | |
| Lewis | Refrigeration & Air Conditioning Mechanics | Journey Level | \$23.96 | | <u>1</u> | |
| Lewis | Residential Brick Mason | Journey Level | \$17.00 | | <u>1</u> | |
| Lewis | Residential Carpenters | Journey Level | \$21.90 | | <u>1</u> | |
| Lewis | Residential Cement Masons | Journey Level | \$13.00 | | <u>1</u> | |
| Lewis | Residential Drywall Applicators | Journey Level | \$31.73 | | <u>1</u> | |
| Lewis | Residential Drywall Tapers | Journey Level | \$18.95 | | <u>1</u> | |
| Lewis | Residential Electricians | Journey Level | \$31.28 | <u>5A</u> | <u>1B</u> | |
| Lewis | Residential Glaziers | Journey Level | \$19.66 | | <u>1</u> | |
| Lewis | Residential Insulation Applicators | Journey Level | \$15.00 | | <u>1</u> | |

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|-------|--|--------------------------------------|---------|----|----|--|
| Lewis | Residential Laborers | Journey Level | \$20.32 | | 1 | |
| Lewis | Residential Marble Setters | Journey Level | \$17.00 | | 1 | |
| Lewis | Residential Painters | Journey Level | \$16.50 | | 1 | |
| Lewis | Residential Plumbers & Pipefitters | Journey Level | \$20.40 | | 1 | |
| Lewis | Residential Refrigeration & Air Conditioning Mechanics | Journey Level | \$24.88 | | 1 | |
| Lewis | Residential Sheet Metal Workers | Journey Level (Field or Shop) | \$29.28 | | 1 | |
| Lewis | Residential Soft Floor Layers | Journey Level | \$11.00 | | 1 | |
| Lewis | Residential Sprinkler Fitters (Fire Protection) | Journey Level | \$15.70 | | 1 | |
| Lewis | Residential Stone Masons | Journey Level | \$17.00 | | 1 | |
| Lewis | Residential Terrazzo Workers | Journey Level | \$11.00 | | 1 | |
| Lewis | Residential Terrazzo/Tile Finishers | Journey Level | \$11.00 | | 1 | |
| Lewis | Residential Tile Setters | Journey Level | \$11.00 | | 1 | |
| Lewis | Roofers | Journey Level | \$47.51 | 5A | 3H | |
| Lewis | Roofers | Using Irritable Bituminous Materials | \$50.51 | 5A | 3H | |
| Lewis | Sheet Metal Workers | Journey Level (Field or Shop) | \$75.46 | 7E | 1E | |
| Lewis | Sign Makers & Installers (Electrical) | Journey Level | \$18.04 | | 1 | |
| Lewis | Sign Makers & Installers (Non-Electrical) | Journey Level | \$45.25 | 7A | 3I | |
| Lewis | Soft Floor Layers | Journey Level | \$22.87 | | 1 | |
| Lewis | Solar Controls For Windows | Journey Level | \$11.00 | | 1 | |
| Lewis | Sprinkler Fitters (Fire Protection) | Journey Level | \$56.81 | 7J | 1R | |
| Lewis | Stage Rigging Mechanics (Non Structural) | Journey Level | \$13.23 | | 1 | |
| Lewis | Stone Masons | Journey Level | \$54.32 | 5A | 1M | |
| Lewis | Street And Parking Lot Sweeper Workers | Journey Level | \$16.00 | | 1 | |
| Lewis | Surveyors | All Classifications | \$55.51 | 5D | 4C | |
| Lewis | Surveyors | Construction Site Surveyor | \$55.51 | 5D | 4C | |
| Lewis | Telecommunication Technicians | Journey Level | \$31.72 | | 1 | |
| Lewis | Telephone Line Construction - Outside | Cable Splicer | \$38.84 | 5A | 2B | |
| Lewis | Telephone Line Construction - Outside | Hole Digger/Ground Person | \$21.45 | 5A | 2B | |
| Lewis | Telephone Line Construction - Outside | Installer (Repairer) | \$37.21 | 5A | 2B | |
| Lewis | Telephone Line Construction - Outside | Special Aparatus Installer I | \$38.84 | 5A | 2B | |
| Lewis | Telephone Line Construction - Outside | Special Apparatus Installer II | \$38.03 | 5A | 2B | |
| Lewis | Telephone Line Construction - Outside | Telephone Equipment Operator (Heavy) | \$38.84 | 5A | 2B | |
| Lewis | Telephone Line Construction - Outside | Telephone Equipment Operator (Light) | \$36.09 | 5A | 2B | |

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|-------|--|--|---------|-----------|-----------|-----------|
| Lewis | Telephone Line Construction - Outside | Telephone Lineperson | \$36.09 | <u>5A</u> | <u>2B</u> | |
| Lewis | Telephone Line Construction - Outside | Television Groundperson | \$20.33 | <u>5A</u> | <u>2B</u> | |
| Lewis | Telephone Line Construction - Outside | Television Lineperson/Installer | \$27.21 | <u>5A</u> | <u>2B</u> | |
| Lewis | Telephone Line Construction - Outside | Television System Technician | \$32.55 | <u>5A</u> | <u>2B</u> | |
| Lewis | Telephone Line Construction - Outside | Television Technician | \$29.18 | <u>5A</u> | <u>2B</u> | |
| Lewis | Telephone Line Construction - Outside | Tree Trimmer | \$36.09 | <u>5A</u> | <u>2B</u> | |
| Lewis | Terrazzo Workers | Journey Level | \$50.26 | <u>5A</u> | <u>1M</u> | |
| Lewis | Tile Setters | Journey Level | \$21.65 | | <u>1</u> | |
| Lewis | Tile, Marble & Terrazzo Finishers | Finisher | \$41.09 | <u>5A</u> | <u>1B</u> | |
| Lewis | Traffic Control Stripers | Journey Level | \$44.85 | <u>7A</u> | <u>1K</u> | |
| Lewis | Truck Drivers | Asphalt Mix Over 16 Yards (W. WA-Joint Council 28) | \$52.70 | <u>5D</u> | <u>3A</u> | <u>8L</u> |
| Lewis | Truck Drivers | Asphalt Mix To 16 Yards (W. WA-Joint Council 28) | \$51.86 | <u>5D</u> | <u>3A</u> | <u>8L</u> |
| Lewis | Truck Drivers | Dump Truck | \$21.08 | | <u>1</u> | |
| Lewis | Truck Drivers | Dump Truck And Trailer | \$21.08 | | <u>1</u> | |
| Lewis | Truck Drivers | Other Trucks | \$32.52 | | <u>1</u> | |
| Lewis | Truck Drivers | Transit Mixer | \$29.67 | <u>6L</u> | <u>2H</u> | |
| Lewis | Well Drillers & Irrigation Pump Installers | Irrigation Pump Installer | \$18.18 | | <u>1</u> | |
| Lewis | Well Drillers & Irrigation Pump Installers | Oiler | \$11.00 | | <u>1</u> | |
| Lewis | Well Drillers & Irrigation Pump Installers | Well Driller | \$18.00 | | <u>1</u> | |

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 3/3/2017 thru 8/30/2017

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.
 - D. 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 15% over the hourly rate of wage. All other hours worked after 6:00 am 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.
 - E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
 - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
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.

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

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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).

Holiday Codes Continued

5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
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

Benefit Code Key – Effective 3/3/2017 thru 8/30/2017

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).

Holiday Codes Continued

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls

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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.

Holiday Codes Continued

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. A. In addition to the hourly wage and fringe benefits, the following 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 100' To 150' -\$3.00 per Foot for Each Foot Over 100 Feet
Over 150' To 220' -\$4.00 per Foot for Each Foot Over 150 Feet
Over 220' -\$5.00 per Foot for Each Foot Over 220 Feet

Note Codes Continued

8. C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -\$1.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -\$1.50 per Foot for Each Foot Over 100 Feet
Over 150' To 200' -\$2.00 per Foot for Each Foot Over 150 Feet
Over 200' -Divers May Name Their Own Price
- 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.
- R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

Benefit Code Key – Effective 3/3/2017 thru 8/30/2017

- 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.

General Decision Number: WA170001 06/02/2017 WA1

Superseded General Decision Number: WA20160001

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 \$10.20 for calendar year 2017 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 \$10.20 (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 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

| Modification Number | Publication Date |
|---------------------|-------------------|
| 0 | 01/06/2017 |
| 1 | 01/13/2017 |
| 2 | 02/03/2017 |
| 3 | 02/10/2017 |
| 4 | 03/03/2017 |
| 5 | 04/14/2017 |
| 6 | 05/19/2017 |
| 7 | 06/02/2017 |

CARP0001-008 06/01/2015

| | Rates | Fringes |
|--------------|----------|---------|
| CARPENTER | | |
| GROUP 1..... | \$ 27.61 | 14.00 |
| GROUP 2..... | \$ 41.86 | 14.49 |
| GROUP 3..... | \$ 32.97 | 14.00 |
| GROUP 4..... | \$ 31.94 | 14.00 |
| GROUP 5..... | \$ 73.44 | 14.00 |
| GROUP 6..... | \$ 35.02 | 14.00 |
| GROUP 7..... | \$ 36.72 | 14.00 |
| GROUP 8..... | \$ 33.27 | 14.00 |
| GROUP 9..... | \$ 35.02 | 14.00 |

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 carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby, Bell/Vehicle or Submersible operator
Not Under Pressure

GROUP 8: Assistant Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

| | | |
|--------|----------------|-----------------|
| ZONE 1 | 0-40 MILES | FREE |
| ZONE 2 | 41-65 MILES | \$2.25/PER HOUR |
| ZONE 3 | 66-100 MILES | \$3.25/PER HOUR |
| ZONE 4 | OVER 100 MILES | \$4.75/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 (302 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.

CARP0003-006 10/01/2011

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLICKITAT, LEWIS(Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA AND WAHAKIYAKUM COUNTIES and INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

ZONE 1:

| | Rates | Fringes |
|---------------------|----------|---------|
| Carpenters: | | |
| CARPENTERS..... | \$ 32.04 | 14.18 |
| DIVERS TENDERS..... | \$ 36.34 | 14.18 |
| DIVERS..... | \$ 77.08 | 14.18 |
| DRYWALL..... | \$ 27.56 | 14.18 |
| MILLWRIGHTS..... | \$ 32.19 | 14.18 |
| PILEDRIEVERS..... | \$ 33.04 | 14.18 |

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

CARP0770-003 06/01/2015

| | Rates | Fringes |
|--|----------|---------|
| CARPENTER | | |
| CENTRAL WASHINGTON: CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS, OKANOGAN (WEST OF THE 120TH MERIDIAN) AND YAKIMA COUNTIES | | |
| CARPENTERS ON CREOSOTE | | |
| MATERIAL..... | \$ 40.46 | 13.66 |
| CARPENTERS..... | \$ 40.36 | 13.66 |
| DIVERS TENDER..... | \$ 35.02 | 14.00 |
| DIVERS..... | \$ 73.44 | 14.00 |
| MILLWRIGHT AND MACHINE | | |
| ERECTORS..... | \$ 41.86 | 13.66 |
| PILED RIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CREOSOTE TREATED | | |
| MATERIAL, ALL PILING..... | \$ 40.61 | 13.66 |

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILED RIVERS)

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 PILED RIVER 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 |

CARP0770-006 06/01/2016

| | Rates | Fringes |
|--|----------|---------|
| CARPENTER | | |
| WESTERN WASHINGTON: CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS (excludes piledrivers only), 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 | | |
| BRIDGE CARPENTERS..... | \$ 40.92 | 14.59 |
| CARPENTERS ON CREOSOTE MATERIAL..... | \$ 40.46 | 13.66 |
| CARPENTERS..... | \$ 40.92 | 14.59 |
| DIVERS TENDER..... | \$ 44.67 | 13.66 |
| DIVERS..... | \$ 93.56 | 13.66 |
| MILLWRIGHT AND MACHINE ERECTORS..... | \$ 41.86 | 13.66 |
| PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING..... | \$ 40.61 | 13.66 |

(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 PILEDRIIVER 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 |

WA170001 Modification 7
Federal Wage Determinations for Highway Construction

 ELEC0046-001 02/06/2017

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

| | Rates | Fringes |
|--------------------|----------|----------|
| CABLE SPLICER..... | \$ 46.87 | 3%+15.96 |
| ELECTRICIAN..... | \$ 47.56 | 3%+19.31 |

ELEC0048-003 01/01/2017

CLARK, KLICKITAT AND SKAMANIA COUNTIES

| | Rates | Fringes |
|--------------------|----------|---------|
| CABLE SPLICER..... | \$ 44.22 | 21.50 |
| ELECTRICIAN..... | \$ 40.20 | 22.18 |

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 01/01/2017

COWLITZ AND WAHKIAKUM COUNTY

| | Rates | Fringes |
|--------------------|----------|---------|
| CABLE SPLICER..... | \$ 44.22 | 21.50 |
| ELECTRICIAN..... | \$ 40.20 | 22.18 |

ELEC0073-001 07/01/2016

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

| | Rates | Fringes |
|--------------------|----------|---------|
| CABLE SPLICER..... | \$ 34.10 | 16.68 |
| ELECTRICIAN..... | \$ 31.50 | 17.60 |

WA170001 Modification 7
 Federal Wage Determinations for Highway Construction

ELEC0076-002 09/01/2016

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON
COUNTIES

| | Rates | Fringes |
|--------------------|----------|---------|
| CABLE SPLICER..... | \$ 40.05 | 24.49 |
| ELECTRICIAN..... | \$ 36.41 | 24.38 |

ELEC0112-005 06/01/2016

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA
WALLA, YAKIMA COUNTIES

| | Rates | Fringes |
|--------------------|----------|---------|
| CABLE SPLICER..... | \$ 42.32 | 18.95 |
| ELECTRICIAN..... | \$ 40.30 | 18.89 |

ELEC0191-003 06/01/2016

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

| | Rates | Fringes |
|--------------------|----------|---------|
| CABLE SPLICER..... | \$ 44.23 | 17.73 |
| ELECTRICIAN..... | \$ 42.30 | 18.89 |

ELEC0191-004 06/01/2016

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

| | Rates | Fringes |
|--------------------|----------|---------|
| CABLE SPLICER..... | \$ 40.82 | 17.63 |
| ELECTRICIAN..... | \$ 39.40 | 18.80 |

* ENGI0302-003 06/01/2017

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..... | \$ 41.90 | 19.20 |
| Group 1AA..... | \$ 42.52 | 19.20 |
| Group 1AAA..... | \$ 43.13 | 19.20 |
| Group 1..... | \$ 41.29 | 19.20 |
| Group 2..... | \$ 40.76 | 19.20 |
| Group 3..... | \$ 40.29 | 19.20 |
| Group 4..... | \$ 37.70 | 19.20 |

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

WA170001 Modification 7

Federal Wage Determinations for Highway Construction

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 06/01/2016

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..... | \$ 26.66 | 14.55 |
| GROUP 2..... | \$ 26.98 | 14.55 |
| GROUP 3..... | \$ 27.59 | 14.55 |
| GROUP 4..... | \$ 27.75 | 14.55 |
| GROUP 5..... | \$ 27.91 | 14.55 |
| GROUP 6..... | \$ 28.19 | 14.55 |
| GROUP 7..... | \$ 28.46 | 14.55 |
| GROUP 8..... | \$ 29.56 | 14.55 |

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 Operatr (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; Rollerman (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 andSimilar); Ultra High Pressure Wateriet 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.

 ENGI0612-012 06/01/2014

LEWIS, PIERCE, 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..... | \$ 38.39 | 17.40 |
| GROUP 1AA..... | \$ 38.96 | 17.40 |
| GROUP 1AAA..... | \$ 39.52 | 17.40 |
| GROUP 1..... | \$ 37.84 | 17.40 |
| GROUP 2..... | \$ 37.35 | 17.40 |
| GROUP 3..... | \$ 36.93 | 17.40 |
| GROUP 4..... | \$ 34.57 | 17.40 |

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

WA170001 Modification 7

Federal Wage Determinations for Highway Construction

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 01/01/2015

CLARK, COWLITZ, KLICKKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

| | Rates | Fringes |
|--------------------------|----------|---------|
| POWER EQUIPMENT OPERATOR | | |
| GROUP 1..... | \$ 39.47 | 14.10 |
| GROUP 1A..... | \$ 41.44 | 14.10 |
| GROUP 1B..... | \$ 43.42 | 14.10 |
| GROUP 2..... | \$ 37.58 | 14.10 |
| GROUP 3..... | \$ 36.44 | 14.10 |
| GROUP 4..... | \$ 35.36 | 14.10 |
| GROUP 5..... | \$ 34.13 | 14.10 |
| GROUP 6..... | \$ 30.94 | 14.10 |

Zone Differential (add to Zone 1 rates):

Zone 2 - \$3.00

Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH;
CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA;
CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS
INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE;
GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1 Concrete Batch Plant and or Wet mix three (3) units or more;

Crane, Floating one hundred and fifty (150) ton but less than two hundred and fifty (250) ton; Crane, two hundred (200) ton through two hundred ninety nine (299) ton with two hundred foot (200') boom or less (including jib, inserts and/or attachments); Crane, ninety (90) ton through one hundred ninety nine (199) ton with over two hundred (200') boom Including jib, inserts and/or attachments); Crane, Tower Crane with one hundred seventy five foot (175') tower or less and with less than two hundred foot (200') jib; Crane, Whirley ninety (90) ton and over; Helicopter when used in erecting work

Group 1A Crane, floating two hundred fifty (250) ton and over; Crane, two hundred (200) ton through two hundred ninety nine (299) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Crane, three hundred (300) ton through three hundred ninety nine (399) ton; Crane, Tower Crane with over one hundred seventy five foot (175') tower or over two hundred foot (200') jib; Crane, tower Crane on rail system or 2nd tower or more in work radius

Group 1B Crane, three hundred (300) ton through three hundred ninety nine (399) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Floating crane, three hundred fifty (350) ton and over; Crane, four hundred (400) ton and over

Group 2 Asphalt Plant (any type); Asphalt Roto-Mill, pavement profiler eight foot (8') lateral cut and over; Auto Grader or "Trimmer"; Blade, Robotic; Bulldozer, Robotic Equipment (any type); Bulldozer, over one hundred twenty thousand (120,000) lbs. and above; Concrete Batch Plant and/or Wet Mix one (1) and two (2) drum; Concrete Diamond Head Profiler; Canal Trimmer; Concrete, Automatic Slip Form Paver (Assistant to the Operator required); Crane, Boom Truck fifty (50) ton and with over one hundred fifty foot (150') boom and over; Crane, Floating (derrick barge) thirty (30) ton but less than one hundred fifty (150) ton; Crane, Cableway twenty-five (25) ton and over; Crane, Floating Clamshell three (3) cu. Yds. And over; Crane, ninety (90) ton through one hundred ninety nine (199) ton up to and including two hundred foot (200') of boom (including jib inserts and/or attachments); Crane, fifty (50) ton through eighty nine (89) ton with over one hundred fifty foot (150') boom (including jib inserts and/or attachments); Crane, Whirley under ninety (90) ton; Crusher Plant; Excavator over one hundred thirty thousand (130,000) lbs.; Loader one hundred twenty thousand (120,000) lbs. and above; Remote Controlled Earth Moving Equipment; Shovel, Dragline, Clamshell, five (5) cu. Yds. And over; Underwater Equipment remote or otherwise, when used in construction work; Wheel Excavator any size

Group 3 Bulldozer, over seventy thousand (70,000) lbs. up to and including one hundred twenty thousand (120,000) lbs.; Crane, Boom Truck fifty (50) ton and over with less than one hundred fifty foot (150') boom; Crane, fifty (50) ton through eighty nine (89) ton with one hundred fifty foot (150') boom or less (including jib inserts and/or attachments); Crane, Shovel, Dragline or Clamshell three (3) cu. yds. but less than five (5) cu. Yds.; Excavator over eighty thousand (80,000) lbs. through one hundred thirty thousand (130,000) lbs.; Loader sixty thousand (60,000) lbs. and less than one hundred twenty thousand (120,000) lbs.

Group 4 Asphalt, Screed; Asphalt Paver; Asphalt Roto-Mill, pavement profiler, under eight foot (8') lateral cut; Asphalt, Material Transfer Vehicle Operator; Back Filling Machine; Backhoe, Robotic, track and wheel type up to and including twenty thousand (20,000) lbs. with any attachments; Blade (any type); Boatman; Boring Machine; Bulldozer over twenty thousand (20,000) lbs. and more than one hundred (100) horse up to seventy thousand (70,000) lbs.; Cable-Plow (any type); Cableway up to twenty five (25) ton; Cat Drill (John Henry); Chippers; Compactor, multi-engine; Compactor, Robotic; Compactor with blade self-propelled; Concrete, Breaker; Concrete, Grout Plant; Concrete, Mixer Mobile; Concrete, Paving Road Mixer; Concrete, Reinforced Tank Banding Machine; Crane, Boom Truck twenty (20) ton and under fifty (50) ton; Crane, Bridge Locomotive, Gantry and Overhead; Crane, Carry Deck; Crane, Chicago Boom and similar types; Crane, Derrick Operator, under one hundred (100) ton; Crane, Floating Clamshell, Dragline, etc. Operator, under three (3) cu. yds. Or less than thirty (30) ton; Crane, under fifty (50) ton; Crane, Quick Tower under one hundred foot (100') in height and less than one hundred fifty foot (150') jib (on rail included); Diesel-Electric Engineer (Plant or Floating); Directional Drill over twenty thousand (20,000) lbs. pullback; Drill Cat Operator; Drill Doctor and/or Bit Grinder; Driller, Percussion, Diamond, Core, Cable, Rotary and similar type; Excavator Operator over twenty thousand (20,000) lbs. through eighty thousand (80,000) lbs.; Generator Operator; Grade-all; Guardrail Machines, i.e. punch, auger, etc.; Hammer Operator (Piledriver); Hoist, stiff leg, guy derrick or similar type, fifty (50) ton and over; Hoist, two (2) drums or more; Hydro Axe (loader mounted or similar type); Jack Operator, Elevating Barges, Barge Operator, self-unloading; Loader Operator, front end and overhead, twenty five thousand (25,000) lbs. and less than sixty thousand (60,000) lbs.; Log Skidders; Piledriver Operator (not crane type); Pipe, Bending, Cleaning, Doping and Wrapping Machines; Rail, Ballast Tamper Multi-Purpose; Rubber-tired Dozers and Pushers; Scraper, all types; Side-Boom; Skip Loader, Drag Box; Strump Grinder (loader mounted or similar type); Surface Heater and Planer; Tractor, rubber-tired, over fifty (50) HP Flywheel; Trenching Machine three foot (3') depth and deeper; Tub Grinder (used for wood debris); Tunnel Boring Machine Mechanic; Tunnel, Mucking Machine;

Ultra High Pressure Water Jet Cutting Tool System Operator;
Vacuum Blasting Machine Operator; Water pulls, Water wagons

Group 5 Asphalt, Extrusion Machine; Asphalt, Roller (any asphalt mix); Asphalt, Roto-Mill pavement profiler ground man; Bulldozer, twenty thousand (20,000) lbs. or less, or one hundred (100) horse or less; Cement Pump; Chip Spreading Machine; Churn Drill and Earth Boring Machine; Compactor, self-propelled without blade; Compressor, (any power) one thousand two hundred fifty (1,250) cu. ft. and over, total capacity; Concrete, Batch Plant Quality control; Concrete, Combination Mixer and compressor operator, gunite work; Concrete, Curb Machine, Mechanical Berm, Curb and/or Curb and Gutter; Concrete, Finishing Machine; Concrete, Grouting Machine; Concrete, Internal Full Slab Vibrator Operator; Concrete, Joint Machine; Concrete, Mixer single drum, any capacity; Concrete, Paving Machine eight foot (8') or less; Concrete, Planer; Concrete, Pump; Concrete, Pump Truck; Concrete, Pumpcrete Operator (any type); Concrete, Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Conveyored Material Hauler; Crane, Boom Truck under twenty (20) tons; Crane, Boom Type lifting device, five (5) ton capacity or less; Drill, Directional type less than twenty thousand (20,000) lbs. pullback; Fork Lift, over ten (10) ton or Robotic; Helicopter Hoist; Hoist Operator, single drum; Hydraulic Backhoe track type up to and including twenty thousand (20,000) lbs.; Hydraulic Backhoe wheel type (any make); Laser Screed; Loaders, rubber-tired type, less than twenty five thousand (25,000) lbs.; Pavement Grinder and/or Grooving Machine (riding type); Pipe, cast in place Pipe Laying Machine; Pulva-Mixer or similar types; Pump Operator, more than five (5) pumps (any size); Rail, Ballast Compactor, Regulator, or Tamper machines; Service Oiler (Greaser); Sweeper Self-Propelled; Tractor, Rubber-Tired, fifty (50) HP flywheel and under; Trenching Machine Operator, maximum digging capacity three foot (3') depth; Tunnel, Locomotive, Dinkey; Tunnel, Power Jumbo setting slip forms, etc.

Group 6 Asphalt, Pugmill (any type); Asphalt, Raker; Asphalt, Truck Mounted Asphalt Spreader, with Screed; Auger Oiler; Boatman; Bobcat, skid steer (less than one (1) yard); Broom, self-propelled; Compressor Operator (any power) under 1,250 cu. ft. total capacity; Concrete Curing Machine (riding type); Concrete Saw; Conveyor Operator or Assistant; Crane, Tugger; Crusher Feeder; 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 07/01/2016

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

| | Rates | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 32.89 | 24.56 |

IRON0029-002 07/01/2015

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM
COUNTIES

| | Rates | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 34.12 | 23.04 |

IRON0086-002 07/01/2016

YAKIMA, KITTITAS AND CHELAN COUNTIES

| | Rates | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 32.89 | 24.56 |

IRON0086-004 07/01/2016

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

| | Rates | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.52 | 24.71 |

* LABO0238-004 06/01/2017

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..... | \$ 24.66 | 11.30 |
| GROUP 2..... | \$ 26.76 | 11.30 |
| GROUP 3..... | \$ 27.03 | 11.30 |
| GROUP 4..... | \$ 27.30 | 11.30 |
| GROUP 5..... | \$ 27.58 | 11.30 |
| LABORER (SPOKANE) | | |
| GROUP 1..... | \$ 24.66 | 11.30 |
| GROUP 2..... | \$ 26.76 | 11.30 |
| GROUP 3..... | \$ 27.03 | 11.30 |
| GROUP 4..... | \$ 27.30 | 11.30 |
| GROUP 5..... | \$ 27.58 | 11.30 |

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

WA170001 Modification 7

Federal Wage Determinations for Highway Construction

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); Guniting (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 06/01/2017

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..... | \$ 26.76 | 11.30 |

* LABO0252-010 06/01/2017

CLALLAM, GRAYS HARBOR, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC (EXCLUDING SOUTHWEST), PIERCE, AND THURSTON COUNTIES

| | Rates | Fringes |
|----------------|----------|---------|
| LABORER | | |
| GROUP 1..... | \$ 24.85 | 10.99 |
| GROUP 2..... | \$ 28.45 | 10.99 |
| GROUP 3..... | \$ 35.54 | 10.99 |
| GROUP 4..... | \$ 36.41 | 10.99 |
| GROUP 5..... | \$ 36.99 | 10.99 |

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).

* LABO0292-008 06/01/2017

ISLAND, SAN JUAN, SKAGIT, SNOHOMISH, AND WHATCOM COUNTIES

| | Rates | Fringes |
|----------------|----------|---------|
| LABORER | | |
| GROUP 1..... | \$ 24.85 | 10.99 |
| GROUP 2..... | \$ 28.45 | 10.99 |
| GROUP 3..... | \$ 35.54 | 10.99 |
| GROUP 4..... | \$ 36.41 | 10.99 |
| GROUP 5..... | \$ 36.99 | 10.99 |

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 06/01/2013

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHAKIYAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHAKIYAKUM COUNTIES

| | Rates | Fringes |
|--------------|----------|---------|
| Laborers: | | |
| ZONE 1: | | |
| GROUP 1..... | \$ 28.65 | 10.05 |
| GROUP 2..... | \$ 29.25 | 10.05 |
| GROUP 3..... | \$ 29.69 | 10.05 |
| GROUP 4..... | \$ 30.07 | 10.05 |
| GROUP 5..... | \$ 26.15 | 10.05 |
| GROUP 6..... | \$ 23.73 | 10.05 |
| GROUP 7..... | \$ 20.53 | 10.05 |

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: GOLDENDALE, 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)

WA170001 Modification 7

Federal Wage Determinations for Highway Construction

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 09/01/2013 | | |
| | Rates | Fringes |
| Hod Carrier..... | \$ 30.47 | 10.05 |

* LABO0348-003 06/01/2017

**CHELAN, DOUGLAS (W OF 12TH MERIDIAN), KITTITAS, AND YAKIMA
COUNTIES**

| | Rates | Fringes |
|----------------|--------------|----------------|
| LABORER | | |
| GROUP 1..... | \$ 21.21 | 10.99 |
| GROUP 2..... | \$ 24.31 | 10.99 |
| GROUP 3..... | \$ 26.60 | 10.99 |
| GROUP 4..... | \$ 27.24 | 10.99 |
| GROUP 5..... | \$ 27.70 | 10.99 |

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

WA170001 Modification 7

Federal Wage Determinations for Highway Construction

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).

* LABO0440-001 06/01/2017

KING COUNTY

| | Rates | Fringes |
|----------------|----------|---------|
| LABORER | | |
| GROUP 1..... | \$ 24.85 | 10.99 |
| GROUP 2..... | \$ 28.45 | 10.99 |
| GROUP 3..... | \$ 35.54 | 10.99 |
| GROUP 4..... | \$ 36.41 | 10.99 |
| GROUP 5..... | \$ 36.99 | 10.99 |

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 12/01/2016

STATEWIDE EXCEPT CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

| | Rates | Fringes |
|---------------|----------|---------|
| Painters: | | |
| STRIPERS..... | \$ 30.58 | 14.27 |

 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 08/01/2016

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..... | \$ 29.10 | 11.04 |
| Over 30'/Swing Stage Work.. | \$ 22.20 | 7.98 |
| Brush, Roller, Striping, Steam-cleaning and Spray.... | \$ 24.00 | 11.04 |
| 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 04/01/2017

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM
 COUNTIES

| | Rates | Fringes |
|---|----------|---------|
| PAINTER | | |
| Brush & Roller..... | \$ 23.02 | 10.77 |
| High work - All work 60 ft. or higher..... | \$ 24.22 | 10.77 |
| Spray and Sandblasting..... | \$ 23.02 | 10.77 |

 PAIN0055-006 01/01/2017

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

| | Rates | Fringes |
|---------------------------------------|----------|---------|
| Painters: | | |
| HIGHWAY & PARKING LOT STRIPER..... | \$ 34.37 | 11.38 |

PLAS0072-004 07/01/2016

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..... | \$ 27.13 | 13.67 |

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 06/01/2017**

**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..... | \$ 40.52 | 16.54 |
| COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE..... | \$ 41.02 | 16.54 |
| TROWLING MACHINE OPERATOR ON COMPOSITION..... | \$ 41.02 | 16.54 |

PLAS0555-002 06/01/2015

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

| | Rates | Fringes |
|--|----------|---------|
| CEMENT MASON | | |
| CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD.. | \$ 30.58 | 18.18 |
| CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD..... | \$ 30.58 | 18.18 |
| CEMENT MASONS..... | \$ 29.98 | 18.18 |
| COMPOSITION WORKERS AND POWER MACHINERY OPERATORS... | \$ 31.18 | 18.18 |

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 06/01/2016

CLARK, COWLITZ, KLICKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHKIAKUM COUNTIES

| | Rates | Fringes |
|----------------|----------|---------|
| Truck drivers: | | |
| ZONE 1 | | |
| GROUP 1..... | \$ 27.60 | 14.37 |
| GROUP 2..... | \$ 27.72 | 14.37 |
| GROUP 3..... | \$ 27.85 | 14.37 |
| GROUP 4..... | \$ 28.12 | 14.37 |
| GROUP 5..... | \$ 28.34 | 14.37 |
| GROUP 6..... | \$ 28.51 | 14.37 |
| GROUP 7..... | \$ 28.71 | 14.37 |

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 01/01/2017

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:..... | \$ 34.13 | 18.57 |
| GROUP 2:..... | \$ 33.29 | 18.57 |
| GROUP 3:..... | \$ 30.48 | 18.57 |
| GROUP 4:..... | \$ 25.51 | 18.57 |
| GROUP 5:..... | \$ 33.68 | 18.57 |

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 01/01/2017

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..... | \$ 20.97 | 17.25 |
| GROUP 2..... | \$ 23.24 | 17.25 |
| GROUP 3..... | \$ 23.74 | 17.25 |
| GROUP 4..... | \$ 24.07 | 17.25 |
| GROUP 5..... | \$ 24.18 | 17.25 |
| GROUP 6..... | \$ 24.35 | 17.25 |
| GROUP 7..... | \$ 24.88 | 17.25 |
| GROUP 8..... | \$ 25.24 | 17.25 |
| AREA 2: | | |
| GROUP 1..... | \$ 23.11 | 17.25 |
| GROUP 2..... | \$ 25.75 | 17.25 |
| GROUP 3..... | \$ 25.86 | 17.25 |
| GROUP 4..... | \$ 26.19 | 17.25 |
| GROUP 5..... | \$ 26.30 | 17.25 |
| GROUP 6..... | \$ 26.30 | 17.25 |
| GROUP 7..... | \$ 27.20 | 17.25 |
| GROUP 8..... | \$ 27.16 | 17.25 |

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)

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GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi-end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:

Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at 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.

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END OF GENERAL DECISION

APPENDIX B

FEDERAL CONTRACT PROVISIONS

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS – FHWA 1273

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273 -- Revised May 1, 2012

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

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

I. GENERAL

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

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

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

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

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with

the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

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

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

II. NONDISCRIMINATION

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

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

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

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

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

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

contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

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

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

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

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

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

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

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

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

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

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

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

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

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

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

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

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

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

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

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

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

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

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

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

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

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

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and

mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

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

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

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

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

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

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

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

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

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

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g. , the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

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

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

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may,

after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and

individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

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

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

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

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

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

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

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

10. Certification of eligibility.

- a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

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

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

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual

was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

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

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

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

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

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

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

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

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

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

VII. SAFETY: ACCIDENT PREVENTION

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

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

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

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

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

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

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

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

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

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

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

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

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

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

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

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

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

1. Instructions for Certification – First Tier Participants:

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

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or

general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

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

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

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

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

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

* * * * *

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

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

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

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

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

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

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

2. Instructions for Certification - Lower Tier Participants:

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

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

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

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

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

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or

voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

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

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

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

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

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

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

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

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

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

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

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

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

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

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

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS

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

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

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

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

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

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

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

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

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

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

AMENDMENT
REQUIRED CONTRACT PROVISIONS
(Exclusive of Appalachian Contracts)

FEDERAL-AID CONSTRUCTION CONTRACTS

The Federal-Aid provisions are supplemented with the following:

XII. Cargo Preference Act

1. U.S. Department of Transportation Federal Highway Administration memorandum dated December 11, 2015 requires that all federal-aid highway programs awarded after February 15, 2016 must comply with the Cargo Preference Act and its regulation of 46 CFR 381.7 (a)-(b).

APPENDIX C

BID PROPOSAL DOCUMENTS

INCLUDING:

Notice to Contractor

Proposal Form

Local Agency Certification for Federal-Aid Contracts

Non-Collusion Declaration

Proposal Signature Page

Disadvantaged Business Enterprise Utilization Certification

Disadvantaged Business Enterprise (DBE) Written Confirmation Document

Local Agency Subcontractor List



Lewis County Department of Public Works

Erik P. Martin, PE, Director / County Engineer

Tim Fife, PE, Assistant 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, June 27, 2017**, at the Lewis County Courthouse in Chehalis, Washington for the Jackson Highway Rehabilitation Project, F. A. Project No. STPU-5667(004), CRP 2175D.

SEALED BIDS MUST BE DELIVERED BY OR BEFORE 11:00 A.M. on Tuesday, June 27, 2017

(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 JACKSON HIGHWAY REHABILITATION PROJECT, F. A. PROJECT NO. STPU-5667(004), CRP 2175D, TO BE OPENED ON OR AFTER 11:00 A.M. ON TUESDAY, JUNE 27, 2017."**

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 insure 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 Jackson Highway Rehabilitation Project - Federal-Aid Project No. STPU-5667(004), CRP No. 2175D, 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 DOLLARS CENTS | AMOUNT DOLLARS CENTS |
|----------|---------------|--|--------------------------|----------------------|
| 1 | 1 L.S. | MOBILIZATION | LUMP SUM | \$ |
| 2 | 1 L.S. | REMOVAL OF STRUCTURE AND OBSTRUCTION | LUMP SUM | \$ |
| 3 | 1,000 S.Y. | PAVEMENT REPAIR EXCAVATION INCL. HAUL | \$ | \$ |
| 4 | 112 TON | CRUSHED SURFACING BASE COURSE | \$ | \$ |
| 5 | 1.93 MILE | SHOULDER FINISHING | \$ | \$ |
| 6 | 17,040 S.Y. | PLANING BITUMINOUS PAVEMENT | \$ | \$ |
| 7 | 1,740 TON | HMA FOR PRELEVELING CL. 3/8 IN. PG 64-22 | \$ | \$ |
| 8 | 175 TON | HMA FOR PAVEMENT REPAIR CL. 3/8 IN. PG 64-22 | \$ | \$ |
| 9 | 2,333 TON | HMA CL. 3/8 IN. PG 64-22 | \$ | \$ |
| 10 | 16,560 S.Y. | PAVING REINFORCEMENT GRID | \$ | \$ |
| 11 | 4 DAY | ESC LEAD | \$ | \$ |
| 12 | 569 L.F. | WATTLE | \$ | \$ |
| 13 | 431.25 L.F. | BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST | \$ | \$ |
| 14 | 443.75 L.F. | BEAM GUARDRAIL TYPE 31 - 9 FT. LONG POST | \$ | \$ |
| 15 | 4 EACH | BEAM GUARDRAIL ANCHOR TYPE 10 | \$ | \$ |
| 16 | 19,929 L.F. | PLASTIC LINE | \$ | \$ |
| 17 | 42 EA. | FLEXIBLE GUIDE POST | \$ | \$ |
| 18 | 64 L.F. | PLASTIC STOP LINE | \$ | \$ |
| 19 | 0.69 HUND. | RECESSED PAVEMENT MARKER (INCL. BLUE FOR HYDRENTS) | \$ | \$ |
| 20 | 1 L.S. | OTHER TEMPORARY TRAFFIC CONTROL | LUMP SUM | \$ |
| 21 | 1 L.S. | TRAFFIC CONTROL SUPERVISOR | LUMP SUM | \$ |

| ITEM NO. | PLAN QUANTITY | ITEM DESCRIPTION | UNIT PRICE DOLLARS CENTS | AMOUNT DOLLARS CENTS |
|----------|---------------|--|--------------------------|----------------------|
| 22 | 584 HOUR | FLAGGERS | \$ | \$ |
| 23 | 667.50 S.F. | CONSTRUCTION SIGNS CLASS A | \$ | \$ |
| 24 | 100 HOUR | OTHER TRAFFIC CONTROL LABOR | \$ | \$ |
| 25 | 11 EA. | UNDERGROUND UTILITY VERIFICATION POTHOLE | \$ | \$ |
| 26 | 16 EA. | ADJUST VALVE BOX | \$ | \$ |
| 27 | 1 L.S. | TRIMMING AND CLEANUP | LUMP SUM | \$ |
| 28 | 0 EST. | REIMBURSEMENT FOR THIRD PARTY DAMAGE | ESTIMATED | \$0.00 |
| 29 | 1 CALC. | MINOR CHANGE | CALCULATED | \$ 25,000.00 |
| 30 | 1 L.S. | SPCC PLAN | LUMP SUM | \$ |
| | | | TOTAL BID | \$ |

Local Agency Certification for Federal-Aid Contracts

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

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

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

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

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

SR

DOT Form 272-040A EF
07/2011

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

Instructions for Disadvantaged Business Enterprise Utilization Certification Form

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

Box 2: Name of the Project.

Column 1: Name of the Disadvantaged Business Enterprise (DBE). Repeat the name of the DBE for each Project Role that will be performed.

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

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

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

Column 3: A description of the Work to be performed by the DBE must be consistent with the certified/eligible Description of Work in the OMWBE Directory of Certified DBE firms. The bidder may rely upon the descriptors listed in the Directory of Certified DBE Firms available from OMWBE, online at: <http://www.omwbe.wa.gov> or Toll Free 1-866-208-1064.

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

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

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

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

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

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

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

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

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

See Crediting DBE Participation toward Meeting the Goal as described in the Disadvantaged Business Enterprise Condition of Award Participation specification in the Contract for more information.

DOT Form 272-056
Revised 07/2016



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

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

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

PART A: To be completed by the bidder

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

Contract Title: _____

Bidder's Business Name: _____

DBE's Business Name: _____

Description of DBE's Work: _____

Amount to be Applied Towards DBE Goal: _____

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

PART B: To be completed by the Disadvantaged Business Enterprise

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

Name (printed): _____

Signature: _____

Title: _____

Address: _____ Date: _____

| |
|---|
| Local Agency Name Lewis County Public Works |
| Local Agency Address 2025 NE Kresky Ave. Chehalis, WA 98532 |

Local Agency Subcontractor List

Prepared in compliance with RCW 39.30.060 as amended

To Be Submitted with the Bid Proposal

Project Name Jackson Highway Rehabilitation Project

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

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

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

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____

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

SR

DOT Form 271-015A EF
Revised 08/2012

APPENDIX D

CONTRACT DOCUMENTS

INCLUDING:

Contract Form

Contract Bond

Power Equipment List

CONTRACT

THIS AGREEMENT, made and entered into this ___ day of _____, 2017, 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 *** 0.974 miles of Jackson Highway by surface grinding, placing geogrid reinforcement, paving with HMA, guardrail, and add safety improvements *** 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: _____, 2017

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 Oblige, 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. **CRP 2175D, Federal Aid Project No. STPU-5667(004)** 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 **Jackson Highway Rehabilitation 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. **CRP 2175D, Federal Aid Project No. STPU-5667(004)** between the below-named Contractor and County for the **Jackson Highway Rehabilitation 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 the General Special Provision 1-03.4, Contract Bond, dated August 5, 2013. 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.

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 |
|-------------------|------|--------------|---------------|------------|------------|
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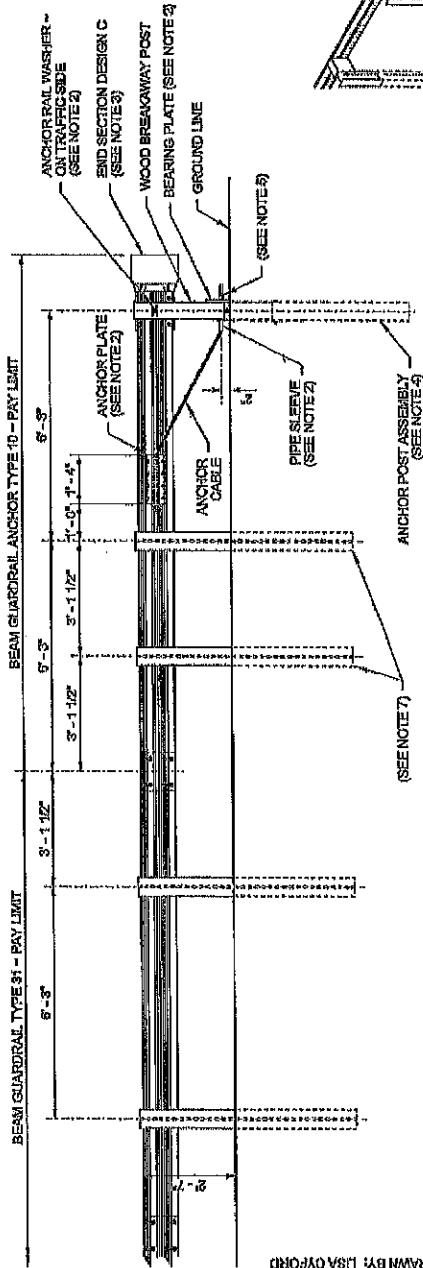
APPENDIX E

STANDARD PLANS

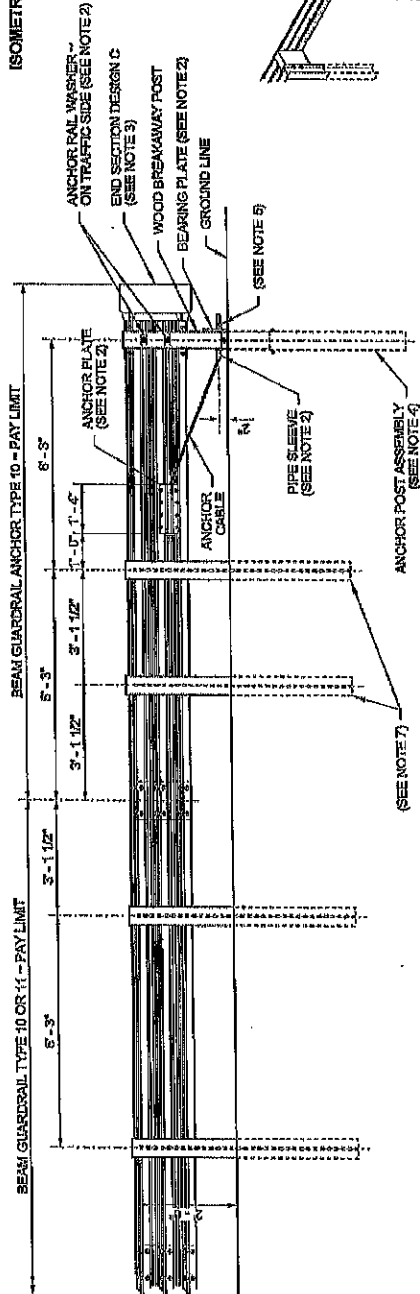
CONTRACT PLANS

NOTES

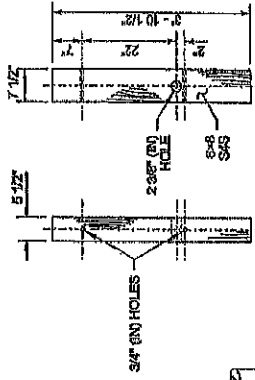
1. For use on the end of guardrail runs when a crashworthy terminal is not required.
2. For additional details not shown, see Standard Plan C-6c.
3. For end section details, see Standard Plans C-7 and C-7a.
4. Use details for Wood Breakaway post shown on this plan and components shown on Standard Plan C-1b.
5. Fasten the Anchor Cable using two 1" (in) nuts and washer, at both ends of cable. Outside nut shall be torqued against inside nut a minimum of 100 ft.-lbs.
6. Wood blocks shown. Blocks of alternate material may be used. See Standard Specification S-16.3(7).
7. Posts shall match those of the connecting run timber or steel.



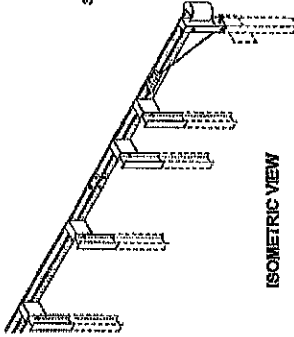
**ELEVATION VIEW
W-BEAM**



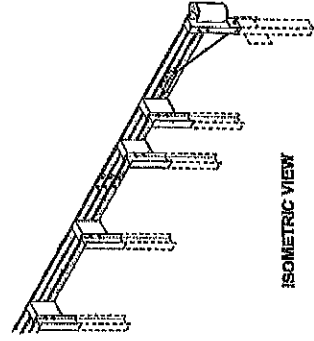
**ELEVATION VIEW
THREE BEAM**



**WOOD BREAKAWAY
POST DETAIL**



ISOMETRIC VIEW



ISOMETRIC VIEW

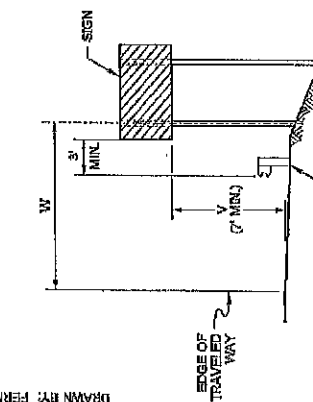
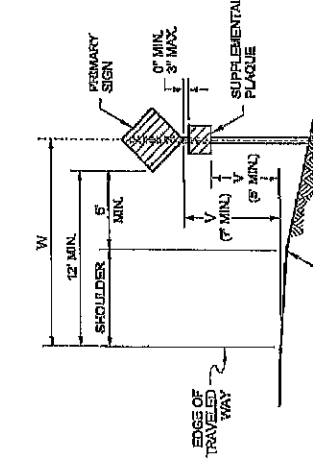
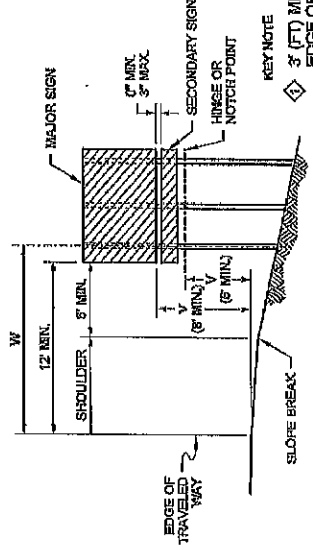
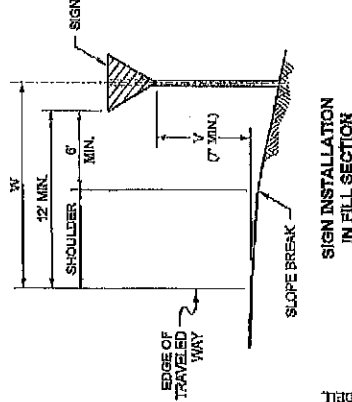
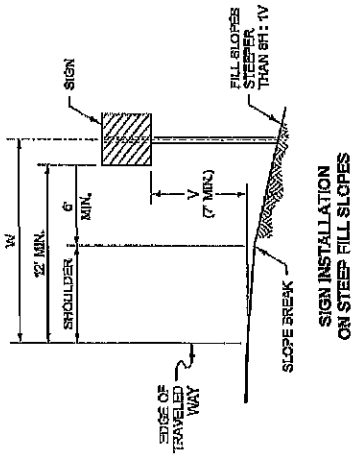
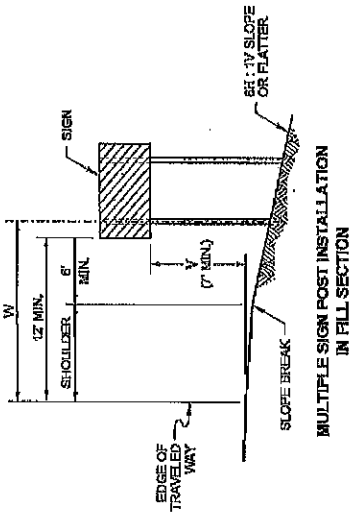


Ed Barry
Barry, Ed
May 6 2014 2:16 PM
**BEAM GUARDRAIL (TYPE 31)
ANCHOR TYPE 10**

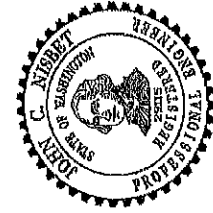
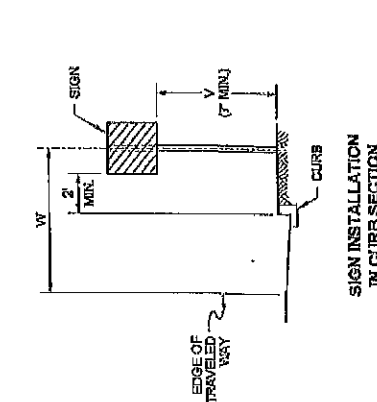
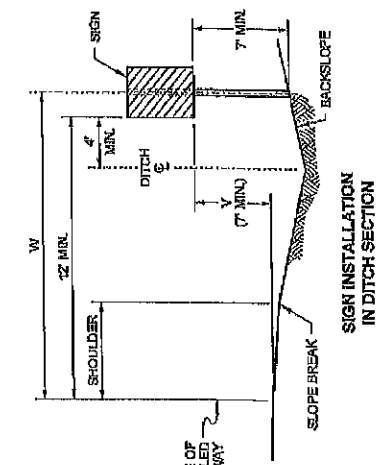
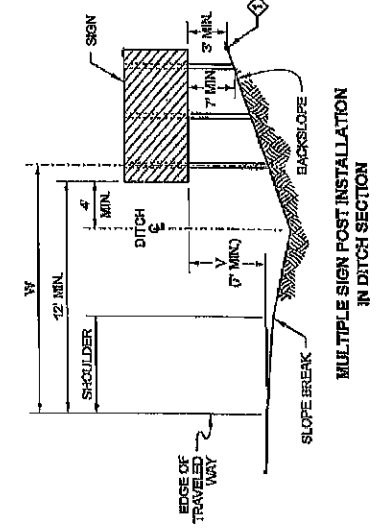
STANDARD PLAN C-23-60-03
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Baltimore, Penn
Jan 11 2014 1:10 PM
Anna B. H.
STATE DESIGN ENGINEER
Washington State Department of Transportation

NOTES

1. Refer to the Sign Specification Sheet of the Contract for the 'V' and 'W' distances.
2. The minimum vertical distance from the bottom of the sign to the ground shall not be less than 7' (8) for signs located within the Design Clear Zone.



GUIDE OR DIRECTIONAL SIGN WITH SECONDARY SIGN INSTALLATION ON EXPRESSWAYS AND FREEWAYS

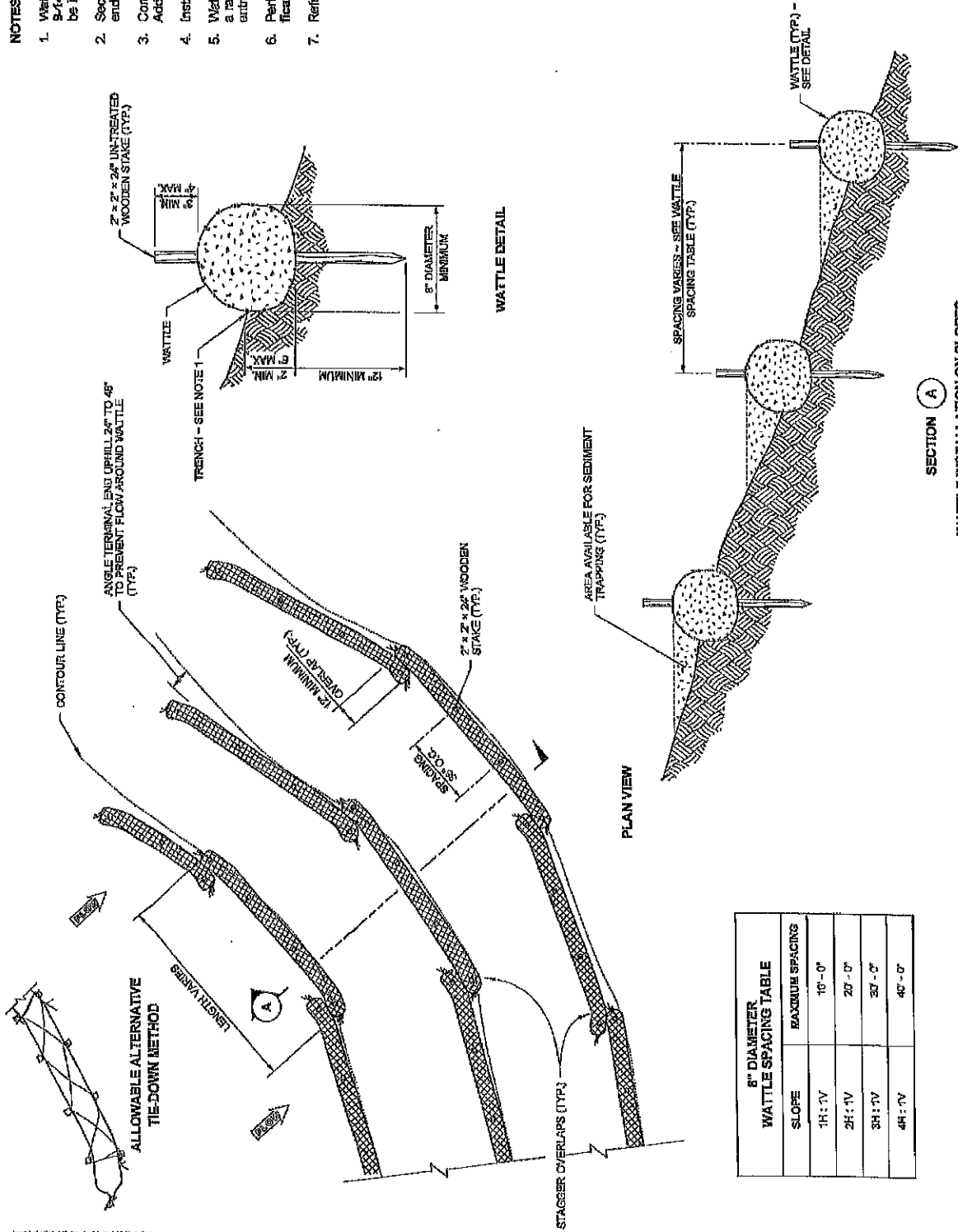


APPROVED FOR PUBLICATION
 Jan 22, 2015 9:43 AM
 C. Nisbett

GROUND-MOUNTED SIGN PLACEMENT STANDARD PLAN G-20.10-02

SHEET 1 OF 1 SHEET
 APPROVED FOR PUBLICATION
 Jan 23 2015 7:35 AM
 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

DRAWN BY: FERN LIPPELL



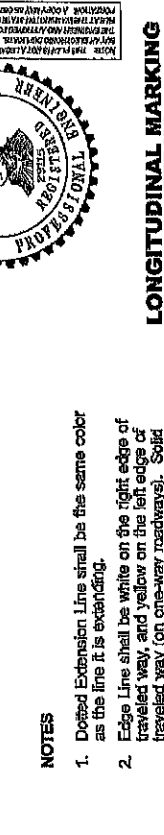
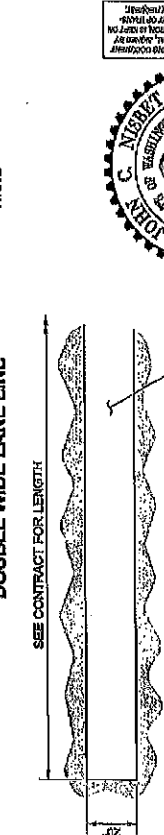
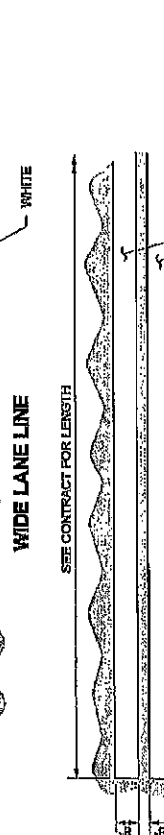
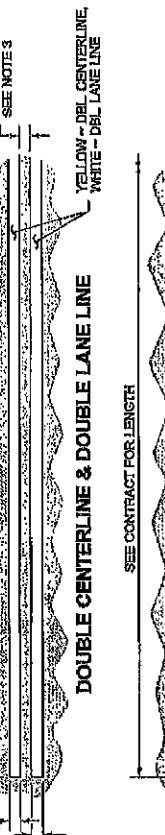
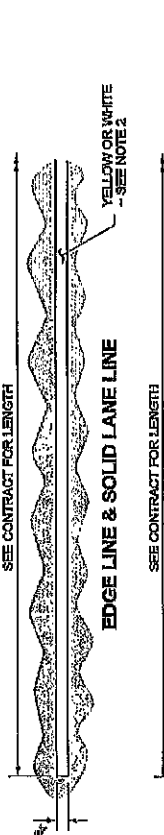
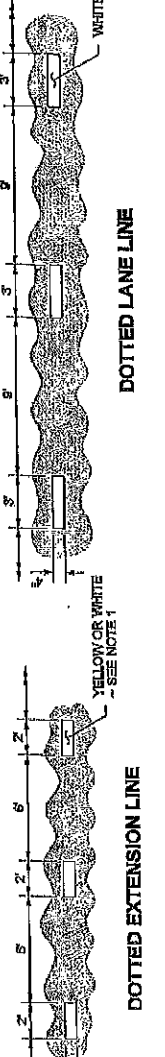
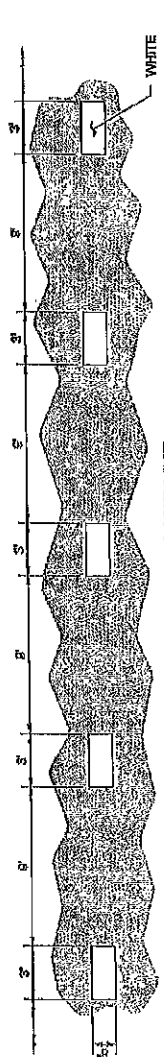
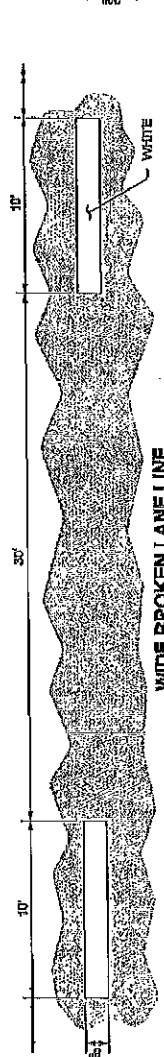
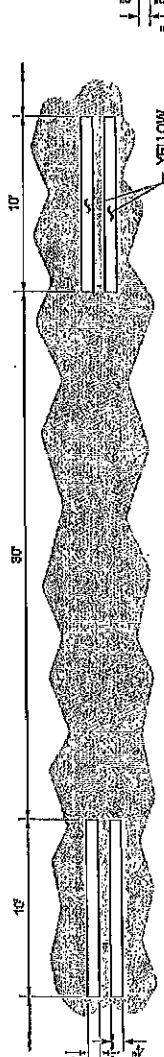
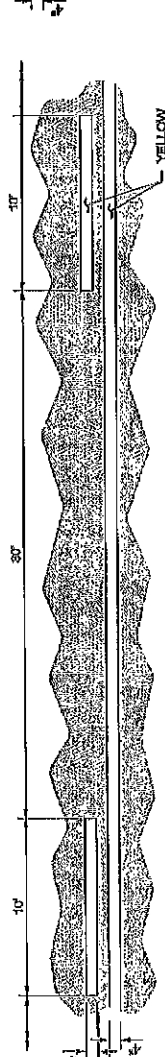
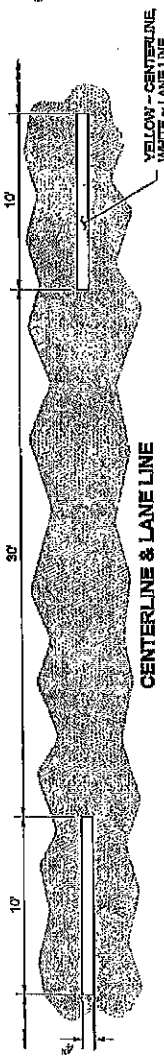
| 8" DIA METER WATTLE SPACING TABLE | |
|-----------------------------------|-----------------|
| SLOPE | MAXIMUM SPACING |
| 1H:1V | 15'-0" |
| 2H:1V | 20'-0" |
| 3H:1V | 30'-0" |
| 4H:1V | 40'-0" |

NOTES

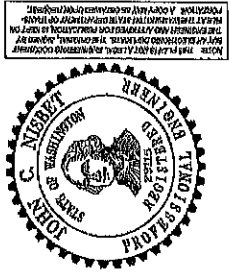
1. Wattles shall be in accordance with Standard Specification 8-01.3(16). Install Wattles along contours. Installation shall be in accordance with Standard Specification 8-01.3(10).
2. Securely knot each end of Wattle. Overlap adjacent Wattle ends 12" behind one another and securely tie together.
3. Compact excavated soil and trench as to prevent undercutting. Additional staking may be necessary to prevent undercutting.
4. Install Wattles perpendicular to flow along contours.
5. Wattles shall be inspected regularly, and immediately after a rainfall produces runoff, to ensure they remain thoroughly entrenched and in contact with the soil.
6. Perform maintenance in accordance with Standard Specification 8-01.3(15).
7. Refer to Standard Specification 8-01.3(16) for removal.

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
 Sandra L. Salsbury
 SANDRA L. SALSURY LICENSE NO. 860
 DATE: June 10, 2013
THESE PLANS HAVE BEEN PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND APPROVED FOR SUBMISSION TO THE BOARD OF ARCHITECTURE AND PROFESSIONAL ENGINEERS OF THE STATE OF WASHINGTON. I HEREBY CERTIFY THAT I AM A LICENSED ARCHITECT UNDER THE PROFESSIONAL ENGINEERING AND ARCHITECTURE ACT OF 1987.

WATTLE INSTALLATION ON SLOPE
 STANDARD PLAN I-30-30-01
 SHEET 1 OF 1 SHEET
 APPROVED FOR PUBLICATION
 Pasco Bakofich III
 PROFESSIONAL ENGINEER
 DATE: 6/10/13
 Washington State Department of Transportation



DRAWN BY: LISA OYFORD

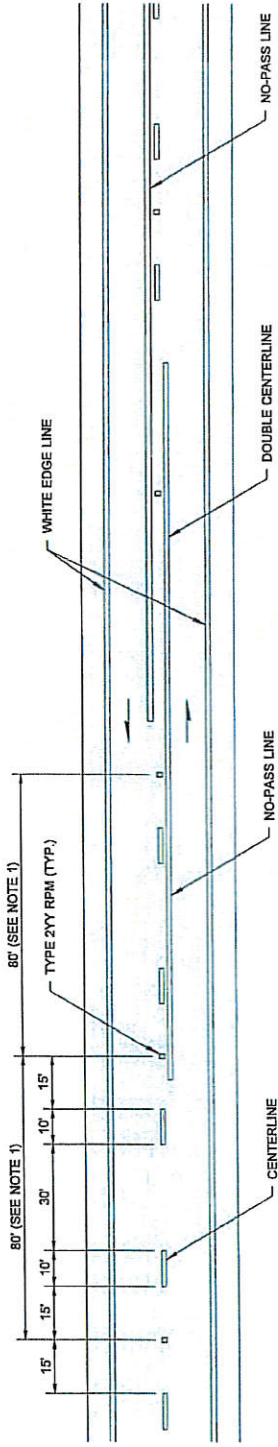


LONGITUDINAL MARKING PATTERNS
STANDARD PLAN M-20-10-02
 SHEET 1 OF 1 SHEET
 APPROVED FOR PUBLICATION
 Pasco Bakofich III 06-03-11
 STATE ENGINEER
 Washington State Department of Transportation

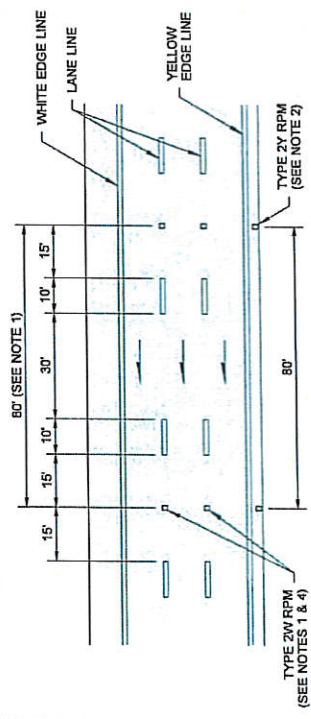
- NOTES**
1. Dotted Extension Line shall be the same color as the line it is extending.
 2. Edge Line shall be white on the right edge of traveled way, and yellow on the left edge of traveled way (on one-way roadways). Solid Lane Line shall be white.
 3. The distance between the lines of the Double Centerline shall be 12' everywhere, except 4' for left-turn channelization and narrow roadways with lane widths of 10 feet or less. Local Agencies (on non-state routes) may specify a 4' distance for all locations. The distance between the lines of the Double Lane Line shall be 4'.

NOTES

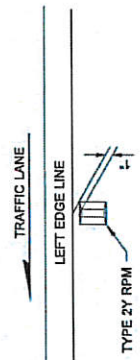
1. Raised Pavement Markers Types 2YY and 2W shall be spaced at 80' (ft) intervals on tangents and on horizontal curves with a radius of 1500' (ft) or more, and at 40' (ft) intervals on horizontal curves having radii of less than 1500' (ft). Center the RPMs in the gaps between the pavement marking lines.
2. Type 2Y RPMs, when specified, shall be placed outside the left Edge Line at 80' (ft) intervals. See "LEFT EDGE OF LANE PLACEMENT DETAIL."
3. Recessed pavement markers, when specified, shall be installed at the locations shown for Type 2W RPMs on multilane one-way roadways, and Type 2YY RPMs on two-lane two-way roadways.
4. The Type 2W RPMs placed on multilane one-way roadways and all RPMs set in recesses shall have an abrasion-resistant coating.
5. Do not recess side-to-side RPMs on Wide Dotted Lane Lines.



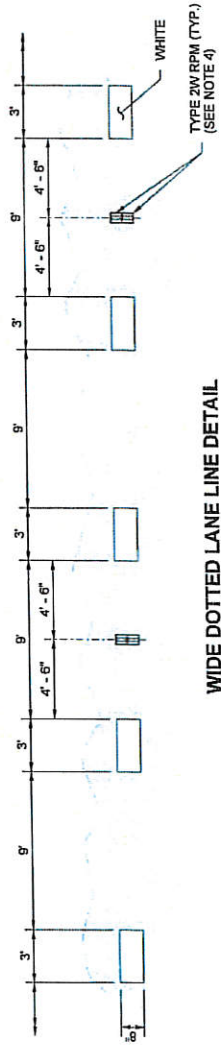
TWO-LANE TWO-WAY TRAFFIC



MULTILANE ONE-WAY TRAFFIC



LEFT EDGE OF LANE PLACEMENT DETAIL
(SEE NOTE 2)



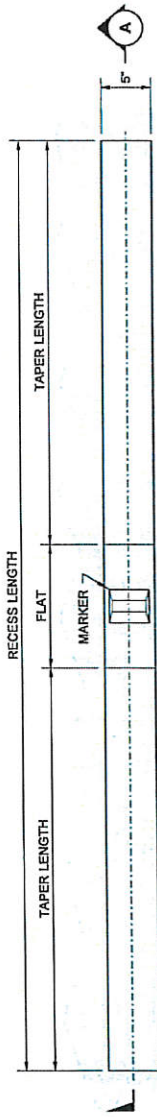
WIDE DOTTED LANE LINE DETAIL
(SEE NOTE 5)

| TYPE 2 RPM RAISED FACE COLORS | |
|-------------------------------|------------------------|
| TYPE 2YY | YELLOW AND YELLOW |
| TYPE 2W | WHITE - ONE SIDE ONLY |
| TYPE 2Y | YELLOW - ONE SIDE ONLY |

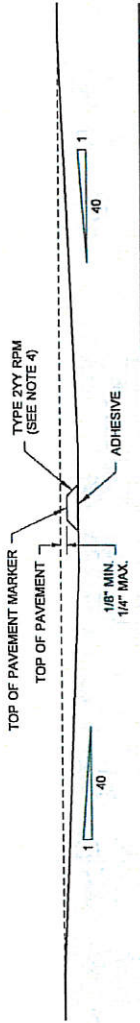


Walsh, Brian
Walsh, Brian
Feb 29 2016 10:18 AM
**LONGITUDINAL MARKING
SUPPLEMENT WITH RAISED
PAVEMENT MARKERS**
STANDARD PLAN M-20-30-04

SHEET 1 OF 2 SHEETS
APPROVED FOR PUBLICATION
Carpenter, Jeff
Feb 29 2016 12:39 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

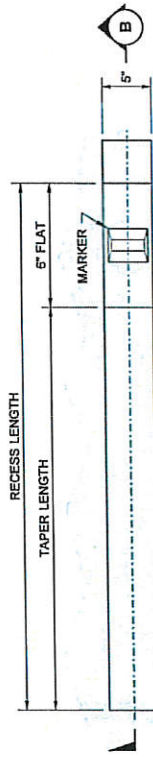


PLAN VIEW

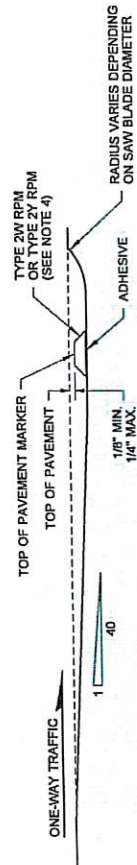


SECTION (A)

TWO-WAY ROADWAY RECESSED PAVEMENT MARKER DETAILS
FOR USE WHERE SPECIFIED IN CONTRACT



PLAN VIEW



SECTION (B)

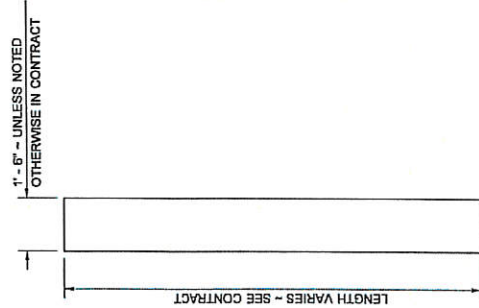
ONE-WAY ROADWAY RECESSED PAVEMENT MARKER DETAILS
FOR USE WHERE SPECIFIED IN CONTRACT



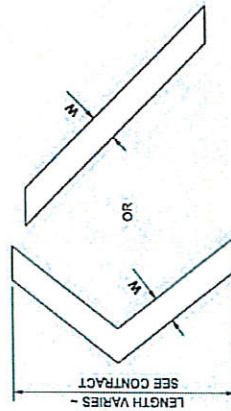
Welch, Brian
Feb 29 2016 10:20 AM
**LONGITUDINAL MARKING
SUPPLEMENT WITH RAISED
PAVEMENT MARKERS**
STANDARD PLAN M-20.30-04

SHEET 2 OF 2 SHEETS
APPROVED FOR PUBLICATION
Carpenter, Jeff
Feb 29 2016 12:39 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: LISA CYFORD



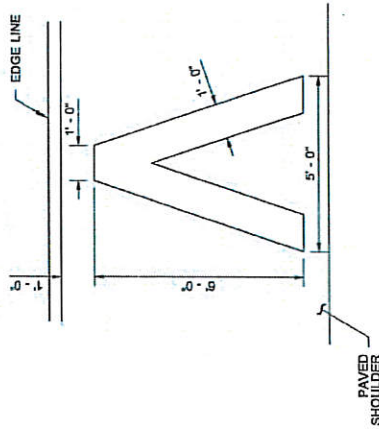
STOP LINE



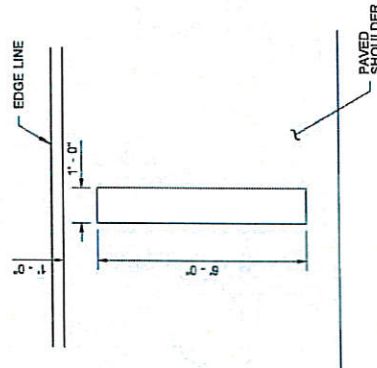
CHEVRON OR DIAGONAL

CROSSHATCH MARKING

W = 6" (N) FOR POSTED SPEED LIMIT OF 40 MPH OR LOWER
W = 12" (N) FOR POSTED SPEED LIMIT OF 45 MPH OR HIGHER

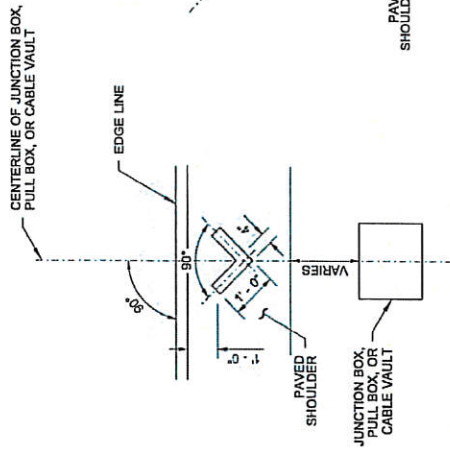


MARKING AREA = 11.73 SQ. FT.
HALF-MILE MARKER

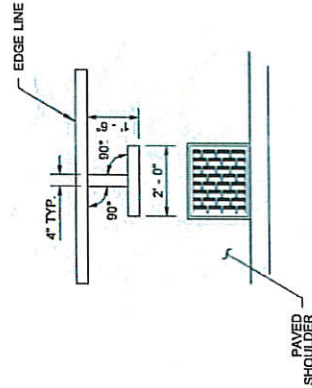


MARKING AREA = 6.00 SQ. FT.
FULL MILE MARKER

AERIAL SURVEILLANCE MARKERS

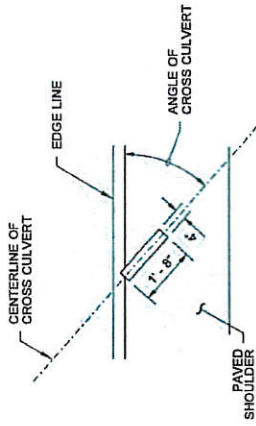


MARKING AREA = 0.56 SQ. FT.
JUNCTION BOX, PULL BOX, OR CABLE VAULT MARKINGS



MARKING AREA = 1.06 SQ. FT.
DRAINAGE STRUCTURE INLET

DRAINAGE MARKING



MARKING AREA = 0.56 SQ. FT.
CROSS CULVERT

DRAINAGE MARKING

NOTE

- 1. If Rumble Strips are present, install marking outside of the Rumble Strip.



Walsh, Brian
Jun 24 2014 2:35 PM

SYMBOL MARKINGS
MISCELLANEOUS

STANDARD PLAN M-24-60-04

SHEET 1 OF 2 SHEETS

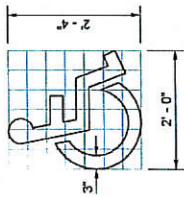
APPROVED FOR PUBLICATION

D. Walsh, P.E.

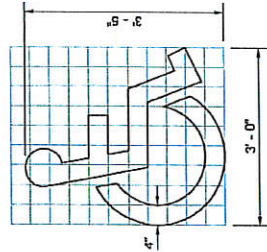
Jun 24 2014 4:43 PM

STATE DESIGN ENGINEER

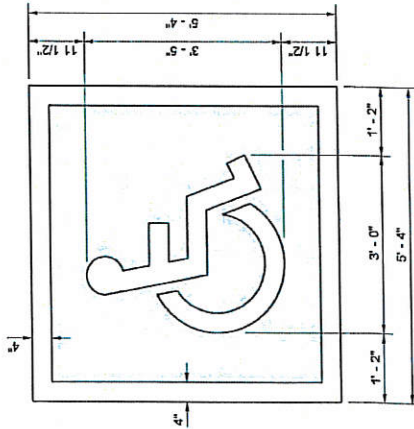
Washington State Department of Transportation



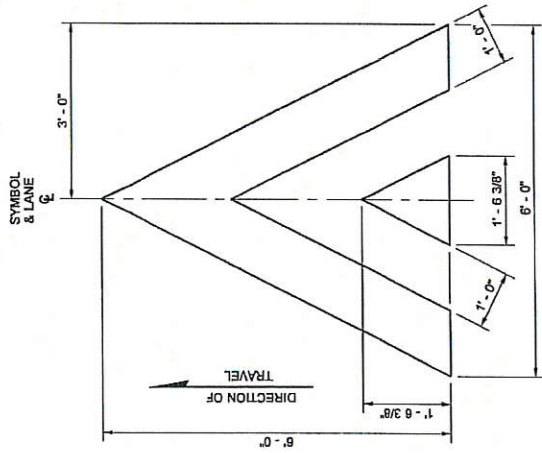
GRID IS 4" (IN) SQUARE MARKING AREA = 1.41 SQ.FT.
ACCESS PARKING SPACE SYMBOL (MINIMUM)



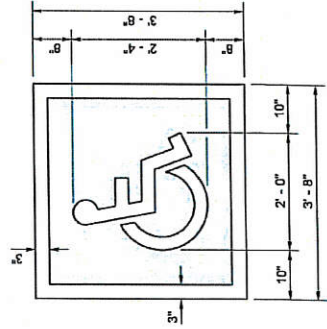
GRID IS 4" (IN) SQUARE MARKING AREA = 3.09 SQ.FT.
ACCESS PARKING SPACE SYMBOL (STANDARD)



TOTAL MARKING AREA = 29.44 SQ.FT.
WHITE = 9.76 SQ.FT. BLUE = 19.69 SQ.FT.
ACCESS PARKING SPACE SYMBOL (STANDARD)
WITH BLUE BACKGROUND AND WHITE BORDER
(REQUIRED FOR CEMENT CONCRETE SURFACES)



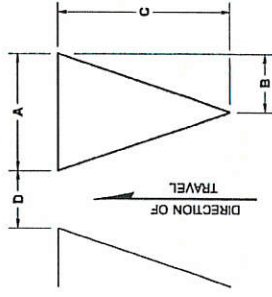
MARKING AREA = 12.08 SQ.FT.
SPEED BUMP SYMBOL



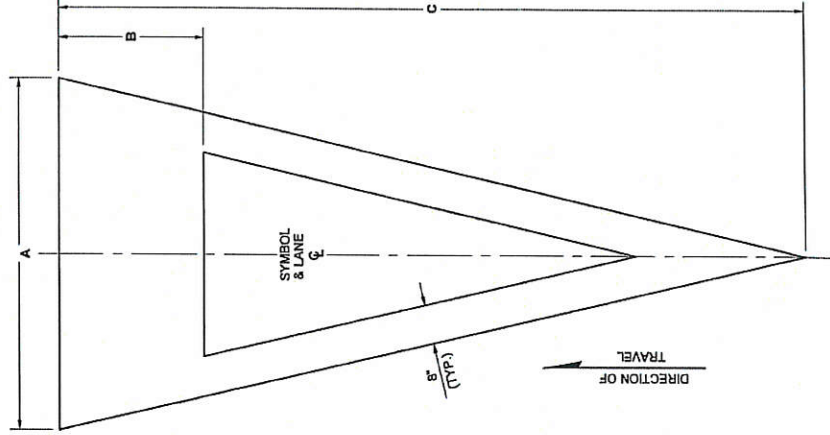
TOTAL MARKING AREA = 13.44 SQ.FT.
WHITE = 4.02 SQ.FT. BLUE = 9.42 SQ.FT.
ACCESS PARKING SPACE SYMBOL (MINIMUM)
WITH BLUE BACKGROUND AND WHITE BORDER
(REQUIRED FOR CEMENT CONCRETE SURFACES)

| SYMBOL MARKING | | A | B | C | D | USE | MARKING AREA |
|--------------------|--|--------------|-------|--------|-------|--------------------|--------------|
| YIELD AHEAD SYMBOL | | TYPE 1 6'-0" | 2'-6" | 13'-0" | N/A | LESS THAN 45 MPH | 25.80 SQ.FT. |
| | | TYPE 2 6'-0" | 3'-0" | 20'-0" | N/A | 45 MPH OR GREATER | 36.54 SQ.FT. |
| YIELD LINE SYMBOL | | TYPE 1 1'-0" | 6" | 1'-6" | 6" | LESS THAN 45 MPH | 0.75 SQ.FT. |
| | | TYPE 2 2'-0" | 1'-0" | 3'-0" | 1'-0" | 45 MPH OR GREATER | 3.00 SQ.FT. |
| | | TYPE 2 2'-0" | 1'-0" | 3'-0" | 1'-0" | ROUNDABOUT ENTRY * | 3.00 SQ.FT. |

* MINIMUM OF 4 IN LANE



YIELD LINE SYMBOL
(MULTIPLE SYMBOLS REQUIRED FOR TRANSVERSE YIELD LINE - SEE CONTRACT)



YIELD AHEAD SYMBOL



Brian J. Walsh
Walsh, Brian
Jun 24 2014 2:37 PM

SYMBOL MARKINGS
MISCELLANEOUS

STANDARD PLAN M-24.60-04

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

Bethesda, Pacon

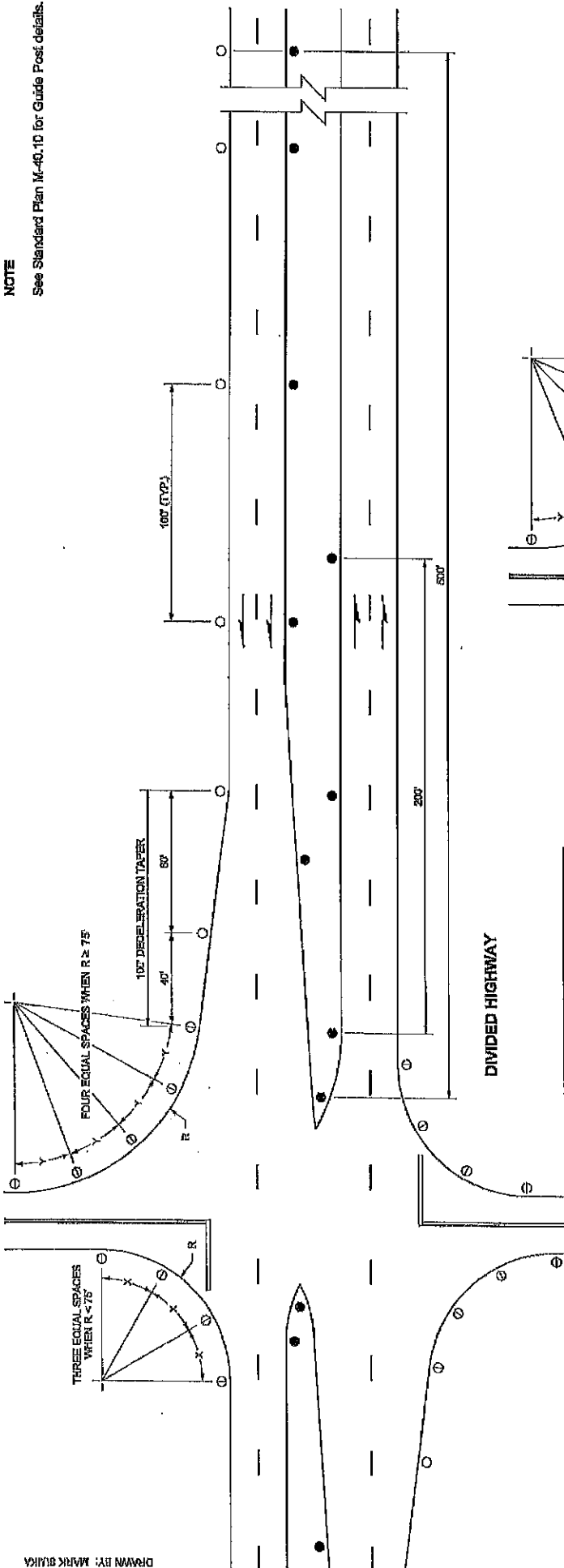
Jun 24 2014 4:43 PM

STATE DESIGN ENGINEER

Washington State Department of Transportation

NOTE

See Standard Plan M-40.10 for Guide Post Details.



| REFLECTIVE SHEETING APPLICATIONS | |
|---|---|
| TYPE G1 | TYPE G2 |
| <p>FACING TRAFFIC</p> <p>WHITE</p> <p>BACK SIDE</p> <p>WHITE</p> <p>GREEN</p> | <p>FACING TRAFFIC</p> <p>WHITE</p> <p>BACK SIDE</p> <p>WHITE</p> <p>GREEN</p> |

| LEGEND |
|-----------|
| ○ TYPE W |
| ⊙ TYPE WW |
| ● TYPE Y |

SEE TYPE DEFINITIONS, STD. PLAN M-40.10



EXPIRES AUGUST 9, 2009

**GUIDE POST PLACEMENT
GRADE INTERSECTIONS
STANDARD PLAN M-40.30-00**

SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Pasco Bakofich III
STATE DESIGN ENGINEER
Washington State Department of Transportation

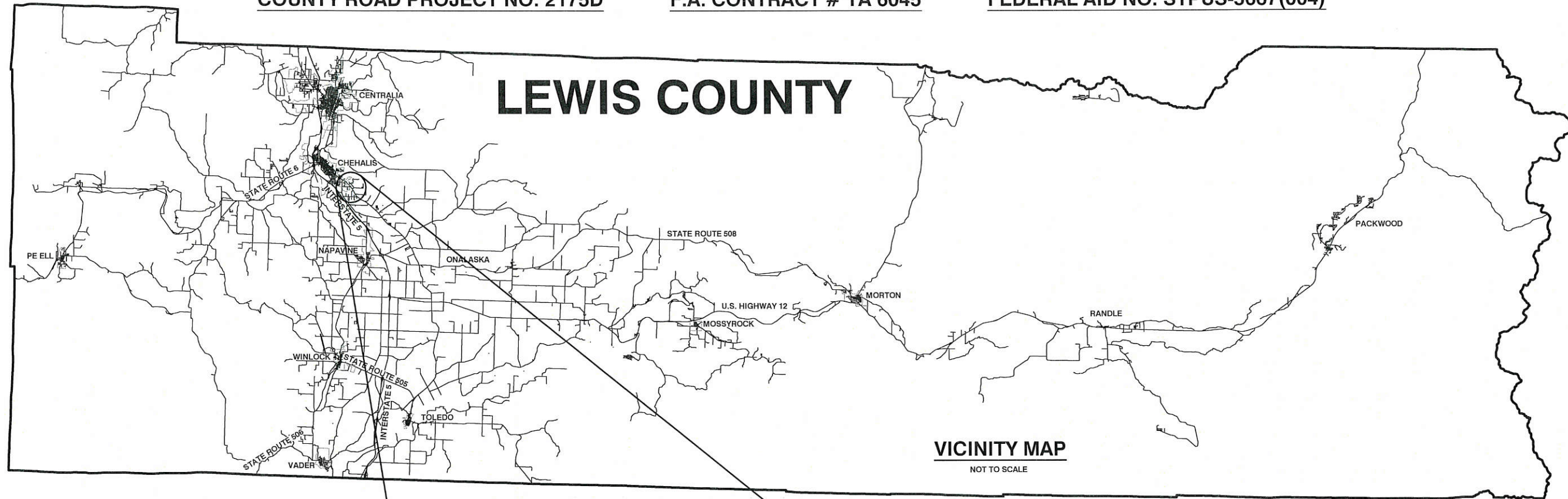


JACKSON HWY REHABILITATION

COUNTY ROAD PROJECT NO: 2175D

F.A. CONTRACT # TA 6045

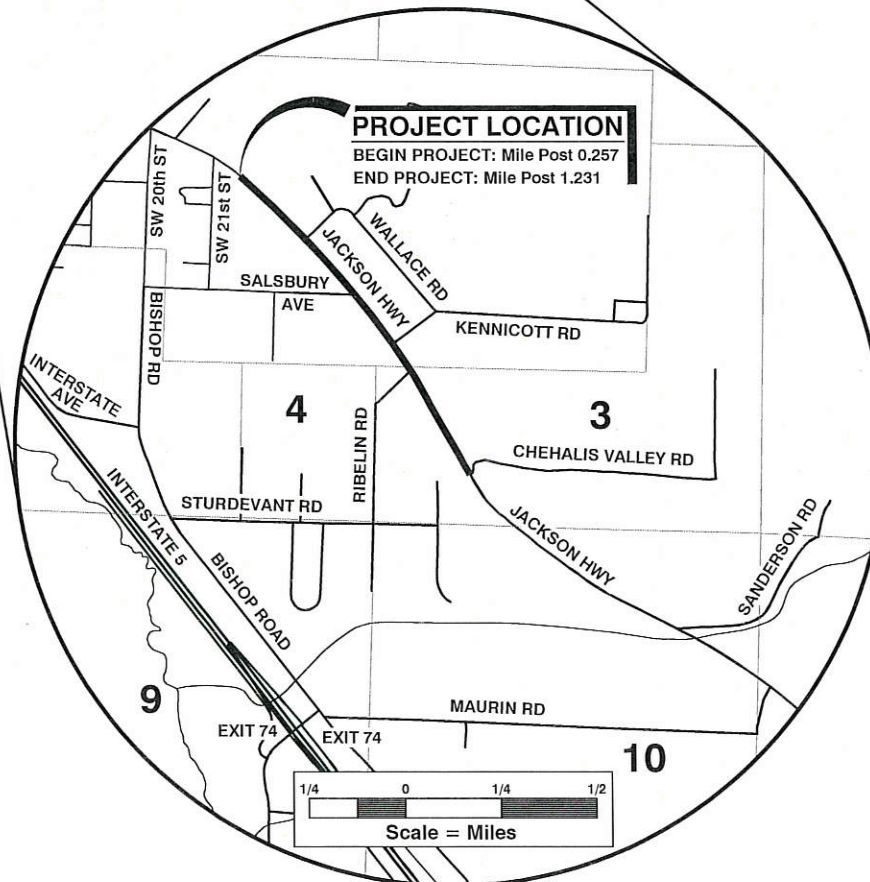
FEDERAL AID NO. STPUS-5667(004)



LEWIS COUNTY
DEPARTMENT OF PUBLIC WORKS
APPROVED FOR CONSTRUCTION:

[Signature]
Assistant County Engineer

5-24-17
Date



| SHEET INDEX | |
|-------------|---|
| SHEET NO. | DESCRIPTION |
| 1 | VICINITY MAP AND SHEET INDEX |
| 2 | LEGEND |
| 3 | SUMMARY OF QUANTITIES |
| 4 | JACKSON HWY TYPICAL SECTIONS |
| 5 | RIGHT LANE PRELEVEL SALSBUARY AND RIBELIN PAVEMENT REPAIR & EXCAVATION |
| 6 | SITE 1 GUARDRAIL PLAN VIEW & SITE 1 GUARDRAIL TYPICAL SECTION |
| 7 | SITE 2 GUARDRAIL PLAN VIEW & SITE 2 GUARDRAIL TYPICAL SECTION |
| 8 | STRIPING PLAN & FLEXIBLE GUIDE POST |
| 9 | JACKSON HWY BOP, WALLACE RD, SALSBUARY AVE, KENNICOTT RD TRAFFIC CONTROL PLAN |
| 10 | RIBELIN RD, CHEHALIS VALLEY DR, JACKSON HWY EOP TRAFFIC CONTROL PLAN |

COMMISSIONERS:



































EDNA J. FUND, DISTRICT 1
ROBERT C. JACKSON, DISTRICT 2
GARY STAMPER, DISTRICT 3



**ENGINEERING-
DESIGN SECTION**

LEGEND



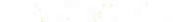











EXISTING FEATURES

-  CONIFER TREE
-  DECIDUOUS TREE
-  SHRUB
-  WATER METER
-  WATER VALVE
-  TELEPHONE VAULT
-  TELEPHONE RISER
-  POWER POLE
-  SERVICE POLE
-  GUY WIRE
-  TELEPHONE VAULT
-  GAS VALVE
-  SIGN
-  MAILBOX
-  CULVERT
-  CATCH BASIN
-  STORM MANHOLE
-  SEWER MANHOLE
-  X FENCE
-  OHU OVERHEAD UTILITIES
-  ROAD EDGE
-  DRIVEWAY (ASPHALT)
-  DRIVEWAY (GRAVEL)
-  DITCH / STREAM
-  CONCRETE
-  BUILDING
-  WALL
-  AS BUILT CENTERLINE
-  LANDSCAPE
-  WATER UNDERGROUND WATER
-  TPHONE UNDERGROUND PHONE
-  GAS UNDERGROUND GAS
-  POWER UNDERGROUND POWER
-  SEWER UNDERGROUND SEWER

SURVEY FEATURES

--- RIGHT OF WAY

NEW CONSTRUCTION FEATURES

-  CALLOUT
-  PAVEMENT REPAIR / PRELEVEL LIMITS
-  GUARDRAIL CONSTRUCTION LIMITS
-  CENTERLINE (YELLOW)
-  DOUBLE CENTERLINE (YELLOW)
-  SOLID LANE LINE (WHITE)
-  PLASTIC STOP LINE
-  GUARDRAIL (TYPE 31) 8 FT. POST AND TERMINAL ENDS
-  GUARDRAIL (TYPE 31) 9 FT. POST
-  DESIGN CENTERLINE
-  WATTLE
-  G1 FLEXIBLE GUIDE POST
-  G2 FLEXIBLE GUIDE POST
-  FLEXIBLE GUIDE POST

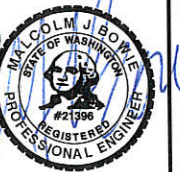
| NO. | DATE | REVISION | BY | APP. |
|-----|------|----------|----|------|
| | | | | |
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| | | | | |
| | | | | |



SUMMARY OF QUANTITIES

| SUMMARY OF QUANTITIES | | | | |
|---------------------------------------|---------------|---|----------------|----------|
| ITEM NO. | STD. ITEM NO. | ITEM DESCRIPTION | TOTAL QUANTITY | UNIT |
| PREPARATION | | | | |
| 1 | 0001 | MOBILIZATION | LUMP SUM | LUMP SUM |
| 2 | 0050 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | LUMP SUM | LUMP SUM |
| GRADING | | | | |
| 3 | 0332 | PAVEMENT REPAIR EXCAVATION INCL, HAUL | 1,000 | S.Y. |
| SURFACING | | | | |
| 4 | 5100 | CRUSHED SURFACING BASE COURSE | 112 | TON |
| 5 | S.P. | SHOULDER FINISHING | 1.93 | MILE |
| HOT MIX ASPHALT | | | | |
| 6 | 5711 | PLANING BITUMINOUS PAVEMENT | 17,040 | S.Y. |
| 7 | 5716 | HMA FOR PRELEVELING CL. 3/8 IN. PG 64-22 | 1,740 | TON |
| 8 | 5738 | HMA FOR PAVEMENT REPAIR CL. 3/8 IN. PG 64-22 | 175 | TON |
| 9 | 5766 | HMA CL. 3/8 IN. PG 64-22 | 2,333 | TON |
| 10 | S.P. | PAVING REINFORCEMENT GRID | 16,560 | S.Y. |
| EROSION CONTROL AND ROADSIDE PLANTING | | | | |
| 11 | 6403 | ESC LEAD | 4 | DAY |
| 12 | 6479 | WATTLE | 569 | L.F. |
| TRAFFIC | | | | |
| 13 | 6711 | BEAM GUARDRAIL TYPE 31- 8 FT. LONG POST | 431.25 | L.F. |
| 14 | 6712 | BEAM GUARDRAIL TYPE 31- 9 FT. LONG POST | 443.75 | L.F. |
| 15 | 6766 | BEAM GUARDRAIL ANCHOR TYPE 10 | 4 | EACH |
| 16 | 6807 | PLASTIC LINE | 19,929 | L.F. |
| 17 | 6832 | FLEXIBLE GUIDE POST | 42 | EACH |
| 18 | 6859 | PLASTIC STOP LINE | 64 | L.F. |
| 19 | 6889 | RECESSED PAVEMENT MARKER | 0.69 | HUND. |
| 20 | 6973 | OTHER TEMPORARY TRAFFIC CONTROL | LUMP SUM | LUMP SUM |
| 21 | 6974 | TRAFFIC CONTROL SUPERVISOR | LUMP SUM | LUMP SUM |
| 22 | 6980 | FLAGGERS | 584 | HOURL |
| 23 | 6982 | CONSTRUCTION SIGNS CLASS A | 667.50 | S.F. |
| 24 | 6992 | OTHER TRAFFIC CONTROL LABOR | 100 | HOURL |
| 25 | S.P. | UNDERGROUND UTILITY VERIFICATION POTHOLE | 11 | EACH |
| OTHER ITEMS | | | | |
| 26 | 6243 | ADJUST VALVE BOX | 16 | EACH |
| 27 | 7490 | TRIMMING AND CLEANUP | LUMP SUM | LUMP SUM |
| 28 | 7725 | REIMBURSEMENT FOR THIRD PARTY DAMAGE | EST. | DOLLAR |
| 29 | 7728 | MINOR CHANGE | CALC. | DOLLAR |
| 30 | 7736 | SPILL PREVENTION CONTROL AND COUNTERMEASURES PLAN | LUMP SUM | LUMP SUM |

| NO. | DATE | REVISION | BY | APP. |
|-----|------|----------|----|------|
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R/W

R/W

RIGHT OF WAY VARIES

SHOULDER FINISHING (C.S.T.C)
SHOULDER FINISHING LEFT SHALL EXTEND OUT TO EXISTING SHOULDER OR NEWLY CONSTRUCTED SHOULDERS
AN ESTIMATED QUANTITY OF 70 TONS ARE TO BE USED FOR BID PURPOSES ONLY

FOG SEAL LONGITUDINAL JOINT AND EXISTING ASPHALT SHOULDER WITH CSS-1 TYPICAL AFTER COMPLETION OF HMA MAINLINE
FOG SEALING COST WILL BE INCIDENTAL TO HMA CL. 3/8 IN. PG 64-22

ROADWAY CROSS SLOPE SHALL START AT THE LEFT EDGE
PRELEVEL COURSE WILL START AT LEFT EDGE WITH A COMPACTED DEPTH OF 0.10'
LEFT LANE CROSS SLOPE WILL BE 2% TO CENTERLINE OF JACKSON HWY
RIGHT LANE CROSS SLOPE WILL VARIES AND END COMPACTED DEPTH OF 0.10' AT RIGHT EDGE

PLANING BITUMINOUS PAVEMENT & PAVING 15.00'
STA 31+50.00 LT TO STA 32+27.86 LT (KENNICOTT INTERSECTION) WIDEN TO JOINT APPROXIMATELY 18.00'

PAVEMENT REINFORCEMENT GRID 14.33'

EXISTING GROUND
EXISTING PAVEMENT

EXISTING CONCRETE PANEL

HMA CLASS 3/8 IN. PG 64-22, WEARING COURSE 0.20' COMPACTED DEPTH

PAVEMENT REINFORCEMENT GRID*

HMA CLASS 3/8 IN. PG 64-22, LEVELING COURSE VARIES (0.10' LEFT & RIGHT EDGE, CENTERLINE VARIES) COMPACTED DEPTH

PLANING BITUMINOUS PAVEMENT DEPTH SHALL BE TO EXISTING CONCRETE PANELS OR 0.30' AS DIRECTED BY THE ENGINEER

FOG SEAL LONGITUDINAL JOINT AND EXISTING ASPHALT SHOULDER WITH CSS-1 TYPICAL AFTER COMPLETION OF HMA MAINLINE
FOG SEALING COST WILL BE INCIDENTAL TO HMA CL. 3/8 IN. PG 64-22

SHOULDER FINISHING (C.S.T.C)
SHOULDER FINISHING RIGHT SHALL EXTEND OUT TO EXISTING SHOULDER OR NEWLY CONSTRUCTED SHOULDERS
AN ESTIMATED QUANTITY OF 70 TONS ARE TO BE USED FOR BID PURPOSES ONLY

PLANING BITUMINOUS PAVEMENT & PAVING 15.00'

PAVEMENT REINFORCEMENT GRID 14.33'

VARIES

EXISTING CONCRETE PANEL

EXISTING GROUND
EXISTING PAVEMENT

LEFT LANE EDGE

WEARING COURSE COMPACTED DEPTH 0.20'

PRELEVEL COMPACTED DEPTH, 0.10'

PAVEMENT REINFORCEMENT GRID
14.33' FROM JACKSON HWY CENTERLINE

EXISTING PAVEMENT

PLANING BITUMINOUS PAVEMENT SHALL BE
TO EXISTING CONCRETE PANELS OR 0.30' AS
DIRECTED BY THE ENGINEER

NOTE*
INSTALL PAVING REINFORCEMENT GRID IN ACCORDANCE WITH MANUFACTURE INSTALLATION PROCEDURES
SEE SPECIAL PROVISION

JACKSON HWY PAVING TYPICAL SECTION

STATION 0+00.00 TO STATION 51+03.00
NOT TO SCALE

RIGHT LANE EDGE

WEARING COURSE COMPACTED DEPTH, 0.20'

PRELEVEL COMPACTED DEPTH, 0.10'

PAVEMENT REINFORCEMENT GRID
14.33' FROM JACKSON HWY CENTERLINE

PLANING BITUMINOUS PAVEMENT SHALL BE
TO EXISTING CONCRETE PANELS OR 0.30' AS
DIRECTED BY THE ENGINEER

EXISTING PAVEMENT

HMA FOR PAVEMENT REPAIR CLASS 3/8" PG 64-22
DEPTH, WIDTH, AND LENGTH WILL MATCH PAVEMENT REPAIR EXCAVATION AREA

PAVEMENT REPAIR EXCAVATION INCL. HAUL, DEPTH VARIES 0.25' OR
AS DIRECTED BY THE ENGINEER, FOR SALSBURY AVE AND RIBELIN ROAD DEPTH
SEE SALSBURY AVE AND RIBELIN ROAD PLAN VIEWS ON SHEET 5 OF 10

EXISTING GROUND

MATCH EXISTING SLOPE**

PAVEMENT REPAIR EXCAVATION INCL. HAUL
WIDTH AND LENGTH VARIES***

EXISTING PAVEMENT

EXISTING CONCRETE PANEL

NOTE**
ROADWAY CROSS SLOPE SHALL FOLLOW THE EXISTING SUPER ELEVATION RATE IN CURVE SECTION

NOTE***
ALL PAVEMENT REPAIR EXCAVATION WILL BE MARKED IN THE FIELD BY THE ENGINEER

JACKSON HWY PAVEMENT REPAIR EXCAVATION TYPICAL SECTION

NOT TO SCALE



2025 N. E. KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

DESIGNED BY : MJB
DRAWN BY : CGA
CHECKED BY :
DATE :

| NO. | DATE | REVISION | BY | APP. |
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JACKSON HWY REHABILITATION

COUNTY ROAD PROJECT NO: 2175D

JACKSON HWY TYPICAL SECTIONS

SHEET

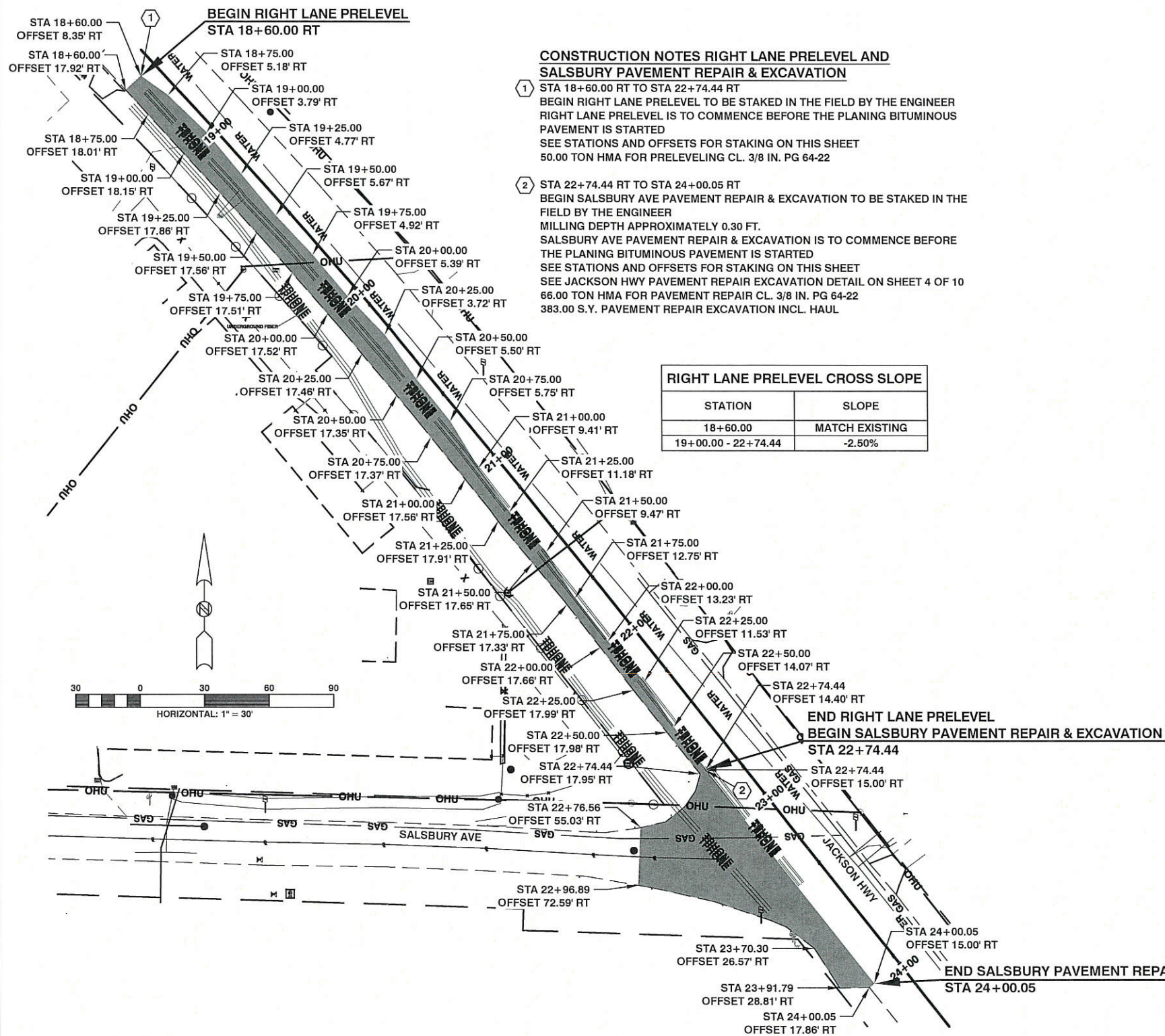
4 OF 10



Malcolm J Bowie, P.E.
Senior Design Engineer

Date: 5-24-17

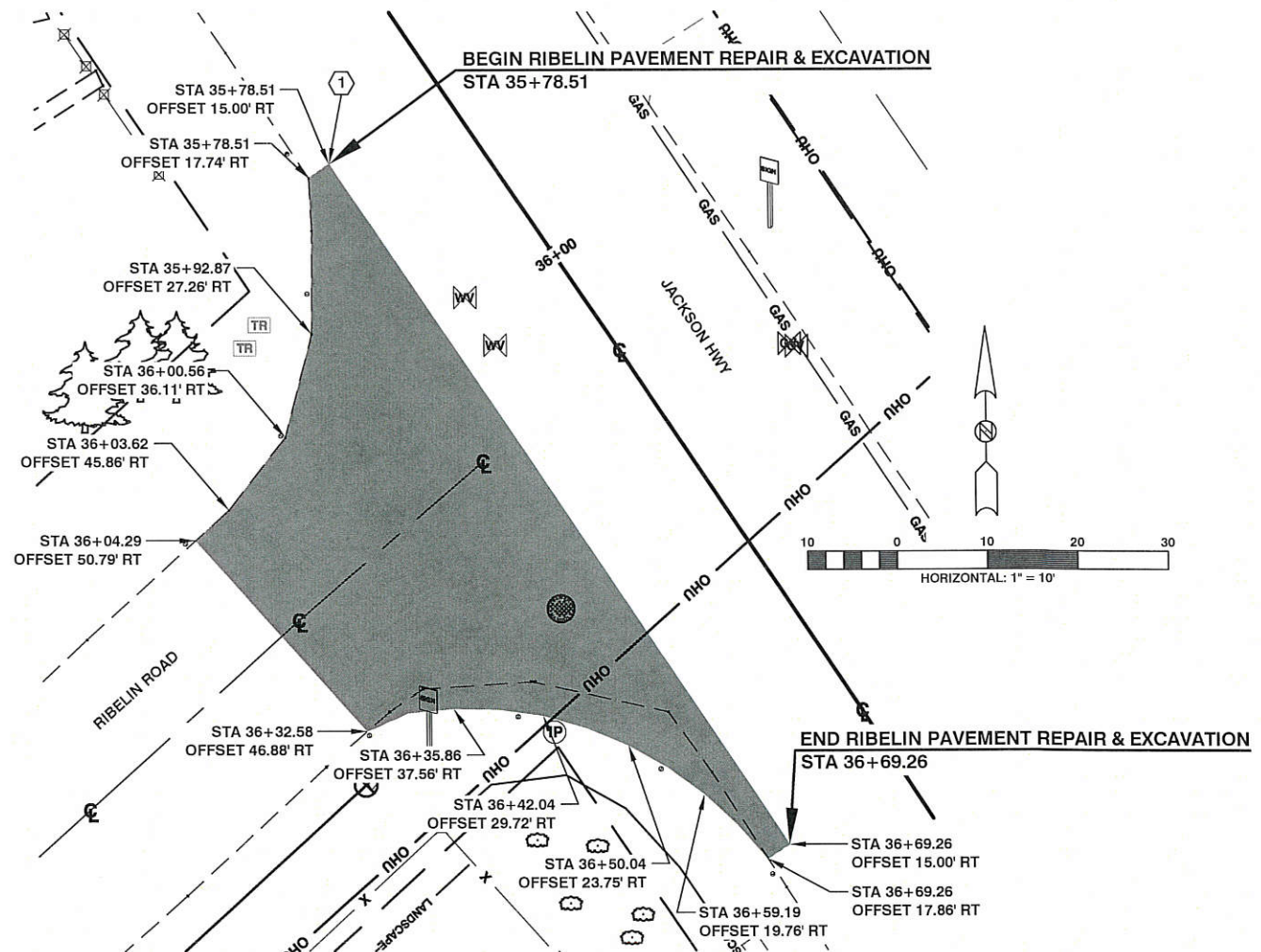




CONSTRUCTION NOTES RIGHT LANE PRELEVEL AND SALSBUARY PAVEMENT REPAIR & EXCAVATION

1 STA 18+60.00 RT TO STA 22+74.44 RT
 BEGIN RIGHT LANE PRELEVEL TO BE STAKED IN THE FIELD BY THE ENGINEER
 RIGHT LANE PRELEVEL IS TO COMMENCE BEFORE THE PLANING BITUMINOUS PAVEMENT IS STARTED
 SEE STATIONS AND OFFSETS FOR STAKING ON THIS SHEET
 50.00 TON HMA FOR PRELEVELING CL. 3/8 IN. PG 64-22

2 STA 22+74.44 RT TO STA 24+00.05 RT
 BEGIN SALSBUARY AVE PAVEMENT REPAIR & EXCAVATION TO BE STAKED IN THE FIELD BY THE ENGINEER
 MILLING DEPTH APPROXIMATELY 0.30 FT.
 SALSBUARY AVE PAVEMENT REPAIR & EXCAVATION IS TO COMMENCE BEFORE THE PLANING BITUMINOUS PAVEMENT IS STARTED
 SEE STATIONS AND OFFSETS FOR STAKING ON THIS SHEET
 SEE JACKSON HWY PAVEMENT REPAIR EXCAVATION DETAIL ON SHEET 4 OF 10
 66.00 TON HMA FOR PAVEMENT REPAIR CL. 3/8 IN. PG 64-22
 383.00 S.Y. PAVEMENT REPAIR EXCAVATION INCL. HAUL



CONSTRUCTION NOTES SALSBUARY PAVEMENT REPAIR & EXCAVATION

1 STA 35+78.51 RT TO STA 36+69.26 RT
 BEGIN RIBELIN ROAD PAVEMENT REPAIR & EXCAVATION TO BE STAKED IN THE FIELD BY THE ENGINEER
 MILLING DEPTH APPROXIMATELY 0.20 FT.
 RIBELIN ROAD PAVEMENT REPAIR & EXCAVATION IS TO COMMENCE BEFORE THE PLANING BITUMINOUS PAVEMENT IS STARTED
 SEE STATIONS AND OFFSETS FOR STAKING ON THIS SHEET
 SEE JACKSON HWY PAVEMENT REPAIR EXCAVATION DETAIL ON SHEET 4 OF 10
 20.00 TON HMA FOR PAVEMENT REPAIR CL. 3/8 IN. PG 64-22
 186.00 S.Y. PAVEMENT REPAIR EXCAVATION INCL. HAUL

NOTE
 ALL OTHER PAVEMENT REPAIR EXCAVATION AREAS WILL BE MARKED IN THE FIELD BY THE ENGINEER, AND SHALL COMMENCE BEFORE THE PLANING BITUMINOUS PAVEMENT IS STARTED
 SEE JACKSON HWY PAVEMENT REPAIR EXCAVATION TYPICAL SECTION ON SHEET 4 OF 10

Lewis County
 Department of Public Works
 2025 N. E. KRESKY AVE.
 CHEHALIS WA 98532
 PHONE # (360) 740-1123
 FAX # (360) 740-2719

| DESIGNED BY : | NO. | DATE | BY | APP. |
|---------------|-----|------|----|------|
| MJB | | | | |
| DRAWN BY : | | | | |
| CGA | | | | |
| CHECKED BY : | | | | |
| DATE : | | | | |

JACKSON HWY REHABILITATION

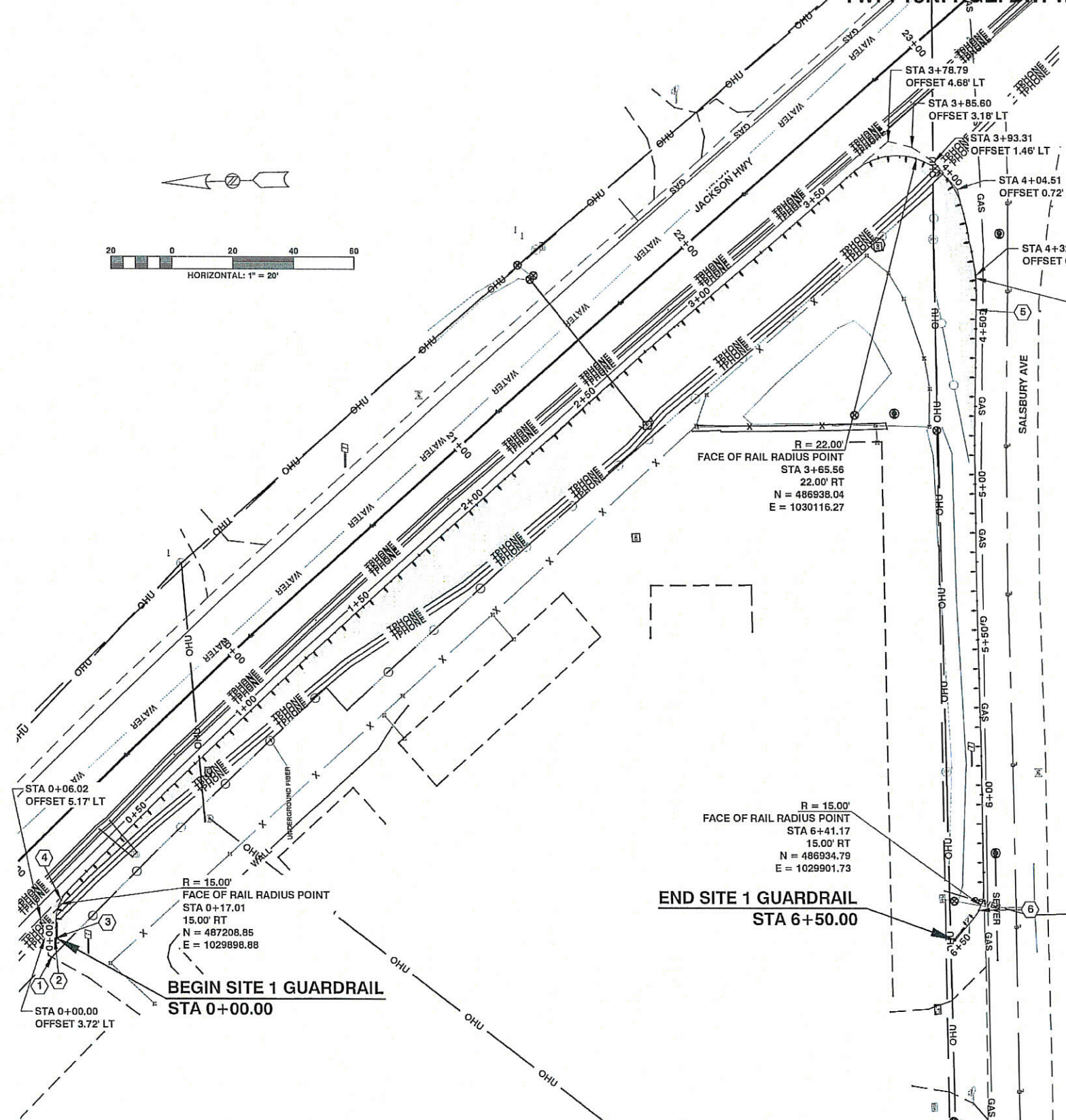
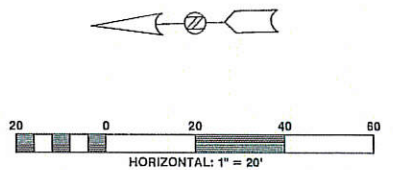
COUNTY ROAD PROJECT NO: 2175D
 RIGHT LANE PRELEVEL
 SALSBUARY AND RIBELIN PAVEMENT REPAIR & EXCAVATION

SHEET
 5 OF 10



Malcolm J Bowie, P.E.
 Senior Design Engineer
 Date: 5-24-17





- CONSTRUCTION NOTES SITE 1 GUARDRAIL**
- 1 CONSTRUCT WATTLE TO BE STAKED IN THE FIELD BY THE ENGINEER
SEE WSDOT STANDARD PLAN I-30.30-01
481.00 L.F. WATTLE
 - 2 STA 0+00.00 TO STA 4+87.50
BEGIN SHOULDER CONSTRUCTION TO BE STAKED IN THE FIELD BY THE ENGINEER
SEE SITE 1 GUARDRAIL TYPICAL SECTION ON THIS SHEET
105.00 TON C.S.B.C.
 - 3 STA 0+00.00 TO STA 0+12.50
CONSTRUCT BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10 WITH 8 FT. LONG POST
SEE WSDOT STANDARD PLAN C-23.60-03
 - 4 STA 0+12.50 TO STA 4+43.75
CONSTRUCT 431.25 L.F. BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST
SEE WSDOT STANDARD PLAN C-20.10-03
 - 5 STA 4+43.75 TO STA 6+37.50
CONSTRUCT 193.75 L.F. BEAM GUARDRAIL TYPE 31 - 9 FT. LONG POST
SEE WSDOT STANDARD PLAN C-20.10-03
 - 6 STA 6+37.50 TO STA 6+50.00
CONSTRUCT BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10 WITH 9 FT. LONG POST
SEE WSDOT STANDARD PLAN C-23.60-03

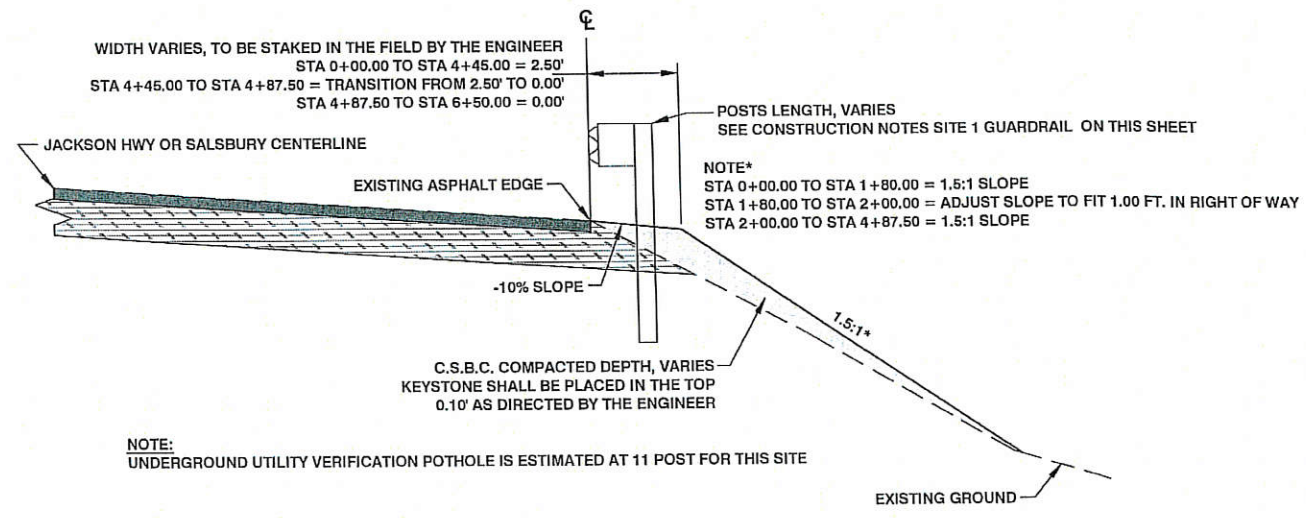
R = 79.00'
FACE OF RAIL RADIUS POINT
STA 3+09.43
6.12' RT
N = 486992.05
E = 1030093.84

R = 22.00'
FACE OF RAIL RADIUS POINT
STA 3+65.56
22.00' RT
N = 486938.04
E = 1030116.27

R = 15.00'
FACE OF RAIL RADIUS POINT
STA 6+41.17
15.00' RT
N = 486934.79
E = 1029901.73

END SITE 1 GUARDRAIL
STA 6+50.00

BEGIN SITE 1 GUARDRAIL
STA 0+00.00



SITE 1 GUARDRAIL TYPICAL SECTION
FACE OF GUARDRAIL ALIGNMENT STATION 0+00.00 TO STATION 6+50.00
NOT TO SCALE

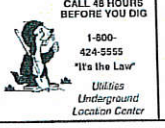
Lewis County
Department of Public Works
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CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

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| DESIGNED BY : MJB | NO. | DATE | REVISION | BY | APP. |
| DRAWN BY : CGA | | | | | |
| CHECKED BY : | | | | | |
| DATE : | | | | | |

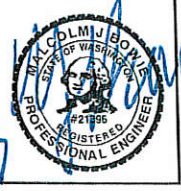
JACKSON HWY REHABILITATION

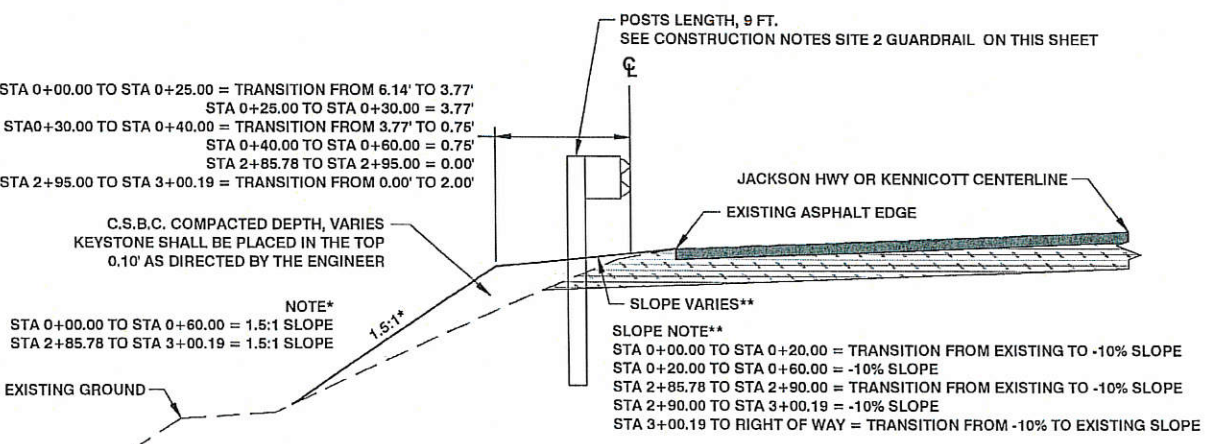
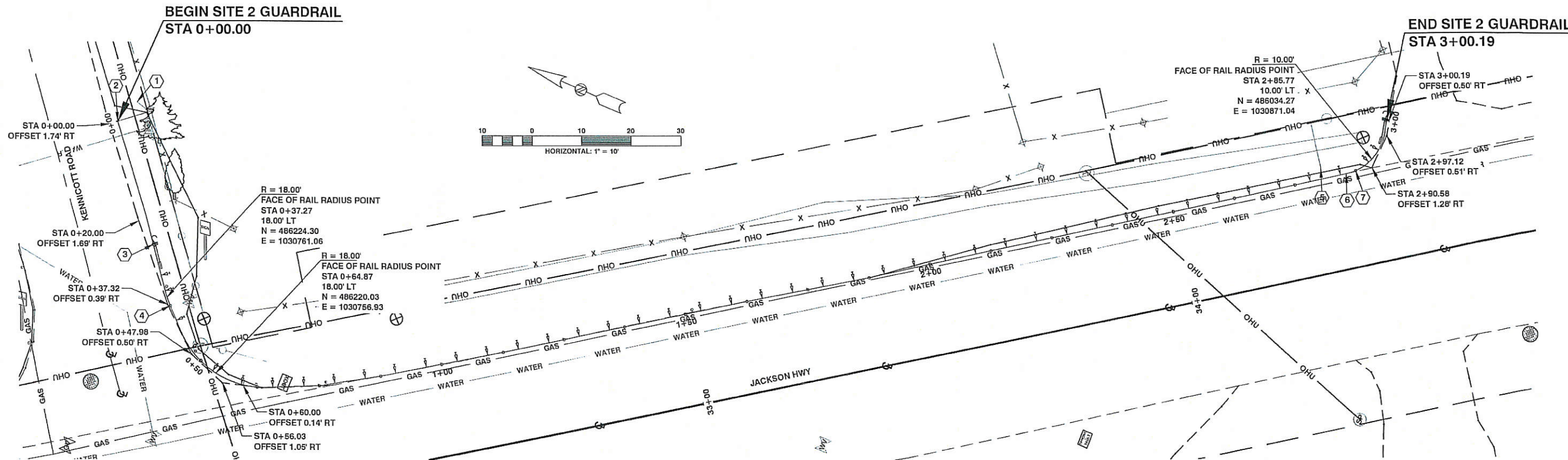
COUNTY ROAD PROJECT NO: 2175D
SITE 1 GUARDRAIL PLAN VIEW
SITE 1 GUARDRAIL TYPICAL SECTION

SHEET
6 OF 10



Malcolm J Bowie, P.E.
Senior Design Engineer
Date: 4-18-17





SITE 2 GUARDRAIL TYPICAL SECTION
FACE OF GUARDRAIL ALIGNMENT STATION 0+00.00 TO STATION 3+00.19
NOT TO SCALE

- CONSTRUCTION NOTES SITE 2 GUARDRAIL**
- 1 CONSTRUCT WATTLE TO BE STAKED IN THE FIELD BY THE ENGINEER
SEE WSDOT STANDARD PLAN I-30.30-01
62.00 L.F. WATTLE
 - 2 STA 0+00.00 TO STA 0+60.00
BEGIN SHOULDER CONSTRUCTION TO BE STAKED IN THE FIELD BY THE ENGINEER
SEE SITE 2 GUARDRAIL TYPICAL SECTION ON THIS SHEET
6.00 TON C.S.B.C.
 - 3 STA 0+25.19 TO STA 0+37.69
CONSTRUCT BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10 WITH 9 FT. LONG POST
SEE WSDOT STANDARD PLAN C-23.60-03
 - 4 STA 0+37.69 TO STA 2+87.69
CONSTRUCT 250.00 L.F. BEAM GUARDRAIL TYPE 31 - 9 FT. LONG POST
SEE WSDOT STANDARD PLAN C-20.10-03
 - 5 PLACE WATTLE TO BE STAKED IN THE FIELD BY THE ENGINEER
SEE WSDOT STANDARD PLAN I-30.30-01
26.00 L.F. WATTLE
 - 6 STA 2+85.78 TO STA 3+00.19
BEGIN SHOULDER CONSTRUCTION TO BE STAKED IN THE FIELD BY THE ENGINEER
SEE SITE 2 GUARDRAIL TYPICAL SECTION ON THIS SHEET
1.00 TON C.S.B.C.
 - 7 STA 2+87.69 TO STA 3+00.19
CONSTRUCT BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10 WITH 9 FT. LONG POST
SEE WSDOT STANDARD PLAN C-23.60-03

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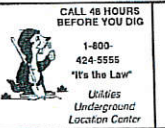
DESIGNED BY: MJB
DRAWN BY: CGA
CHECKED BY:
DATE:

| NO. | DATE | REVISION | BY | APP. |
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JACKSON HWY REHABILITATION

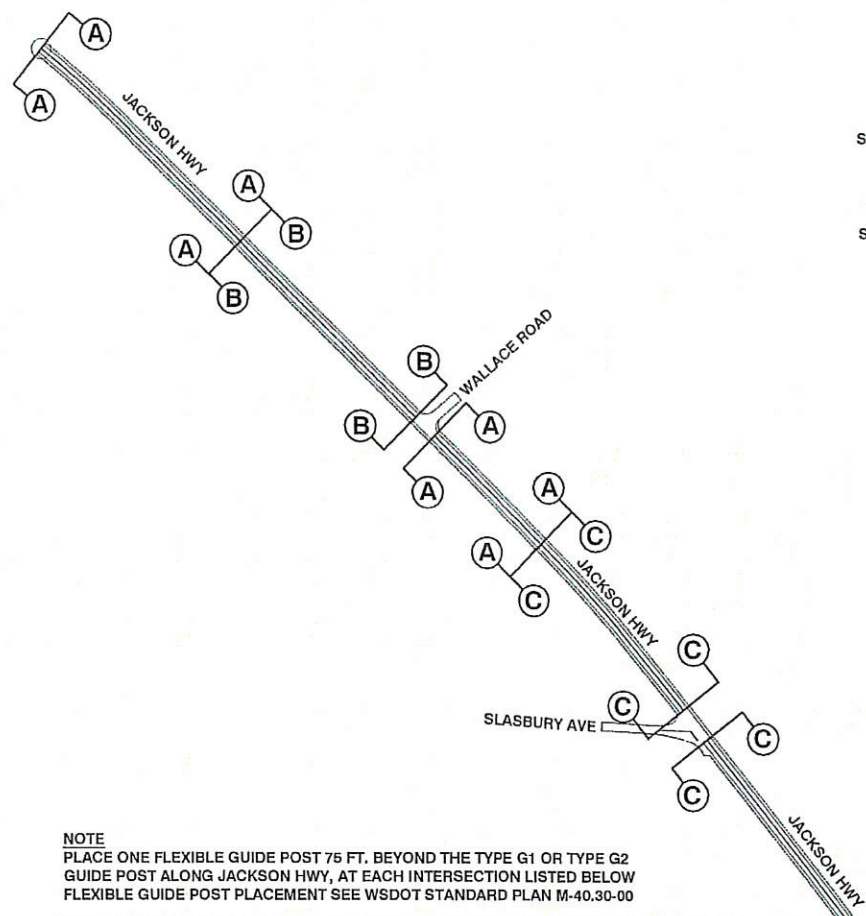
COUNTY ROAD PROJECT NO: 2175D
SITE 2 GUARDRAIL PLAN VIEW
SITE 2 GUARDRAIL TYPICAL SECTION

SHEET
7 OF 10



Malcolm J Bowle, P.E.
Senior Design Engineer
Date: 4/18/17





CENTERLINE (YELLOW)
SEE WSDOT STANDARD PLAN M-20.10-02

SOLID LANE LINE (WHITE)
MATCH INTO EXISTING STRIPING ON
ROADWAY INTERSECTIONS
SEE WSDOT STANDARD PLAN M-20.10-02

NO PASS LINE (YELLOW)
SEE WSDOT STANDARD PLAN M-20.10-02

SOLID LANE LINE (WHITE)
MATCH INTO EXISTING STRIPING ON
ROADWAY INTERSECTIONS
SEE WSDOT STANDARD PLAN M-20.10-02

DOUBLE CENTERLINE (YELLOW)
4 IN. DISTANCE BETWEEN LINES
SEE WSDOT STANDARD PLAN M-20.10-02

SOLID LANE LINE (WHITE)
MATCH INTO EXISTING STRIPING ON
ROADWAY INTERSECTIONS
SEE WSDOT STANDARD PLAN M-20.10-02

SOLID LANE LINE (WHITE)
MATCH INTO EXISTING STRIPING ON
ROADWAY INTERSECTIONS
SEE WSDOT STANDARD PLAN M-20.10-02

SOLID LANE LINE (WHITE)
MATCH INTO EXISTING STRIPING ON
ROADWAY INTERSECTIONS
SEE WSDOT STANDARD PLAN M-20.10-02

NO PASS LINE (YELLOW)
SEE WSDOT STANDARD PLAN M-20.10-02

SOLID LANE LINE (WHITE)
MATCH INTO EXISTING STRIPING ON
ROADWAY INTERSECTIONS
SEE WSDOT STANDARD PLAN M-20.10-02

CENTERLINE (YELLOW)
SEE WSDOT STANDARD PLAN M-20.10-02

NOTE
PLACE ONE FLEXIBLE GUIDE POST 75 FT. BEYOND THE TYPE G1 OR TYPE G2
GUIDE POST ALONG JACKSON HWY, AT EACH INTERSECTION LISTED BELOW
FLEXIBLE GUIDE POST PLACEMENT SEE WSDOT STANDARD PLAN M-40.30-00

| FLEXIBLE GUIDE POST QUANTITIES | | | |
|--------------------------------|-----------|-------------------------|-------------------------|
| INTERSECTION | SIDE | POST SPACING / QUANTITY | POST SPACING / QUANTITY |
| WALLACE ROAD | NORTHWEST | 10' / 4 | 75' / 1 |
| WALLACE ROAD | SOUTHEAST | 10' / 4 | 75' / 1 |
| SALSBURY AVE | NORTHWEST | 18' / 5 | 75' / 1 |
| SALSBURY AVE | SOUTHEAST | 34' / 5 | 75' / 1 |
| KENNICOTT ROAD | NORTHWEST | 15' / 4 | 75' / 1 |
| KENNICOTT ROAD | SOUTHEAST | 14' / 4 | 75' / 1 |
| RIBELIN ROAD | NORTHWEST | 16' / 4 | 75' / 1 |
| RIBELIN ROAD | SOUTHEAST | 17' / 4 | 75' / 1 |
| TOTAL | | 42 EACH | |

NOTE
STRIPING LENGTHS ARE FOR BID PURPOSE ONLY AND SHALL BE VERIFIED IN THE FIELD PRIOR TO STRIPING.

| STRIPING ESTIMATED QUANTITIES | | | | |
|-------------------------------|---------|----------------------------|----------------------------|-----------------------|
| STATION | SECTION | SOLID LINE RT & LT (WHITE) | DOUBLE CENTERLINE (YELLOW) | NO PASS LINE (YELLOW) |
| 0+00.00 - 6+85.00 | A-A | 1370' | | 1370' |
| 6+85.00 - 12+97.00 | B-B | 1288' | | 1224' |
| 13+61.61 - 17+37.61 | A-A | 825' | | 752' |
| 17+37.61 - 22+74.61 | C-C | 1118' | 1074' | |
| 23+67.34 - 31+60.34 | C-C | 1672' | 1566' | |
| 32+27.51 - 35+78.51 | C-C | 862' | 702' | |
| 36+66.20 - 39+01.20 | C-C | 586' | 470' | |
| 39+01.20 - 45+36.20 | A-A | 1270' | | 1270' |
| 45+36.20 - 51+06.20 | B-B | 1134' | | 1140' |
| SALSBURY AVE | C-C | | 156' | |
| RIBELIN ROAD | C-C | | 80' | |
| TOTAL | | 10,125' L.F. | 4,048' L.F. | 5,756' L.F. |

MATCH INTO EXISTING STRIPING ON SALSBURY AVE

SALSBURY AVE

23.33 L.F.

54.67 L.F.

PI STA 23+08.73
OFFSET 38.93' RT

DOUBLE CENTERLINE (YELLOW)
4 IN. DISTANCE BETWEEN LINES
SEE WSDOT STANDARD PLAN M-20.10-02

SALSBURY AVE STRIPING PLAN
NOT TO SCALE

MATCH INTO EXISTING STRIPING ON RIBELIN ROAD

RIBELIN ROAD

40 L.F.

25 L.F.

STA 36+15.27
OFFSET 19.61' RT

STA 36+15.76
OFFSET 18.05' RT

STOP LINE
SEE WSDOT STANDARD PLAN M-24.60-04

STA 36+40.76
OFFSET 18.05' RT

DOUBLE CENTERLINE (YELLOW)
4 IN. DISTANCE BETWEEN LINES
SEE WSDOT STANDARD PLAN M-20.10-02

MATCH INTO EXISTING STRIPING ON RIBELIN ROAD

RIBELIN ROAD STRIPING PLAN
NOT TO SCALE

Lewis County
2025 N. E. KRESKY AVE.
CHEHALIS WA 98532
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FAX # (360) 740-2719

DESIGNED BY : MJB
DRAWN BY : CGA
CHECKED BY :
DATE :

| NO. | DATE | REVISION | BY | APP. |
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JACKSON HWY REHABILITATION

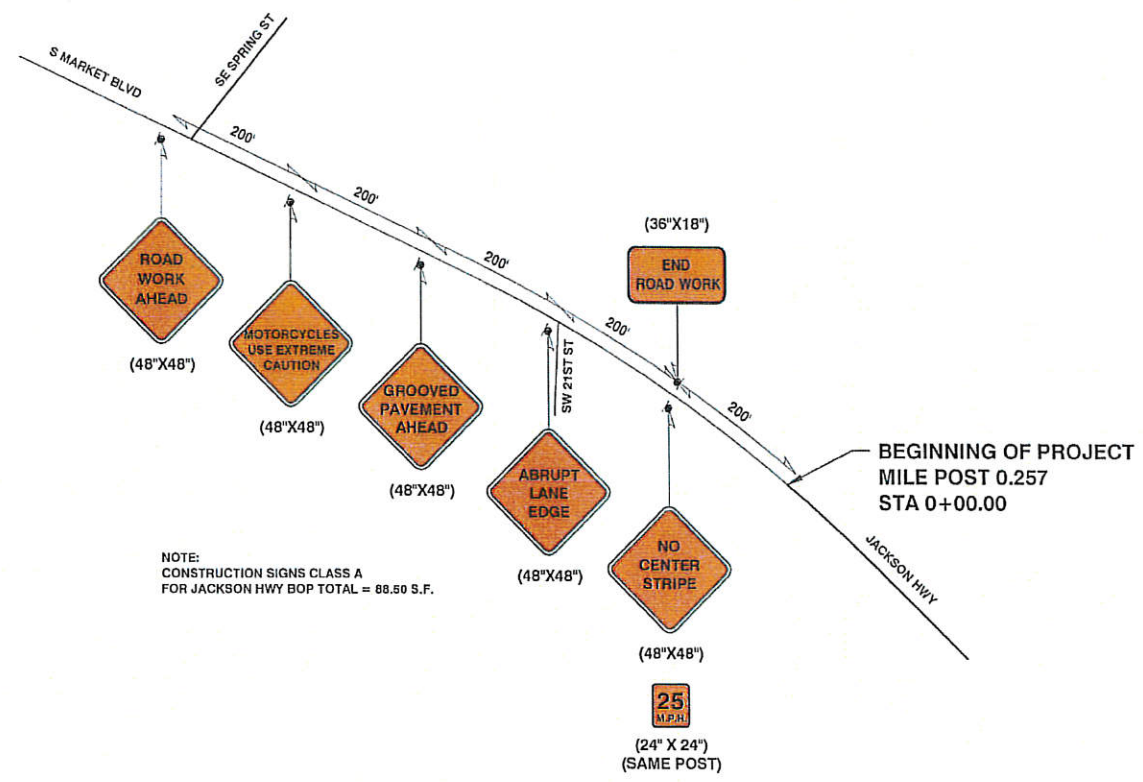
COUNTY ROAD PROJECT NO: 2175D
STRIPING PLAN
FLEXIBLE GUIDE POST

SHEET
8
OF
10

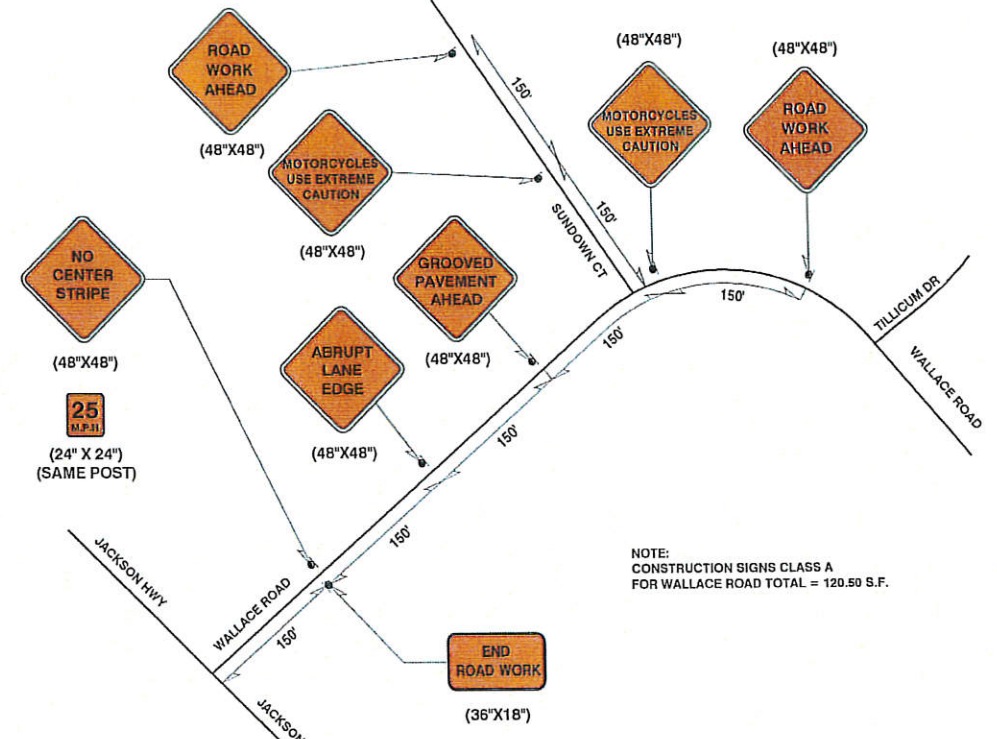
CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555
"It's the Law"
Utilities Underground Location Center

Malcolm J Bowler, P.E.
Senior Design Engineer
Date: 7/15/17

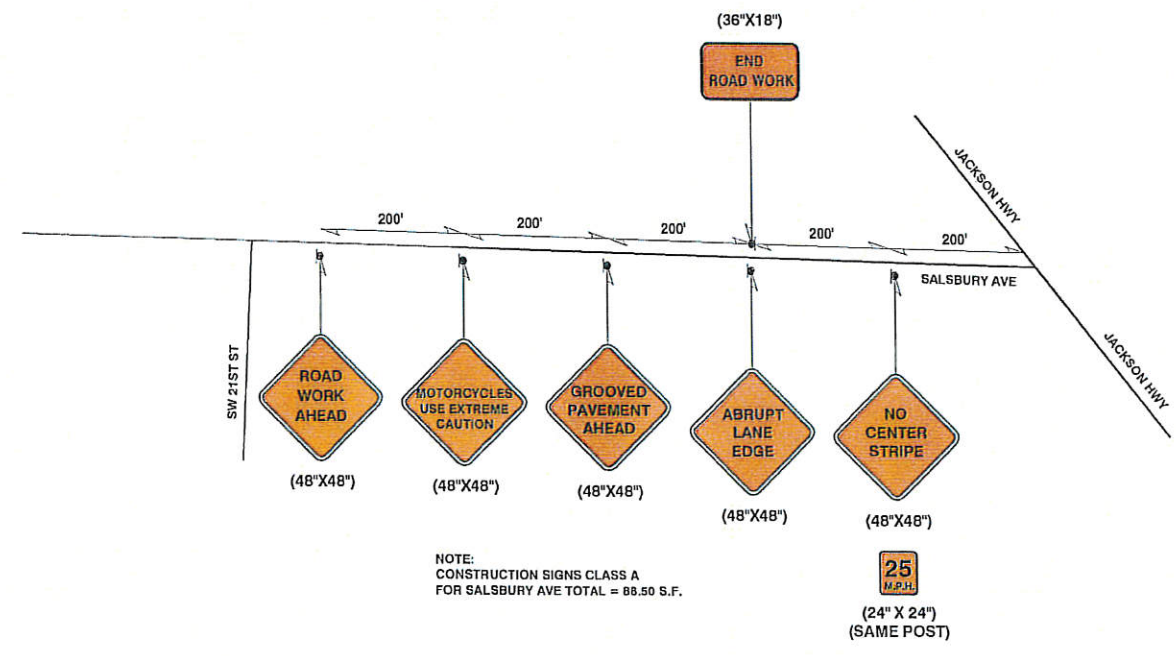




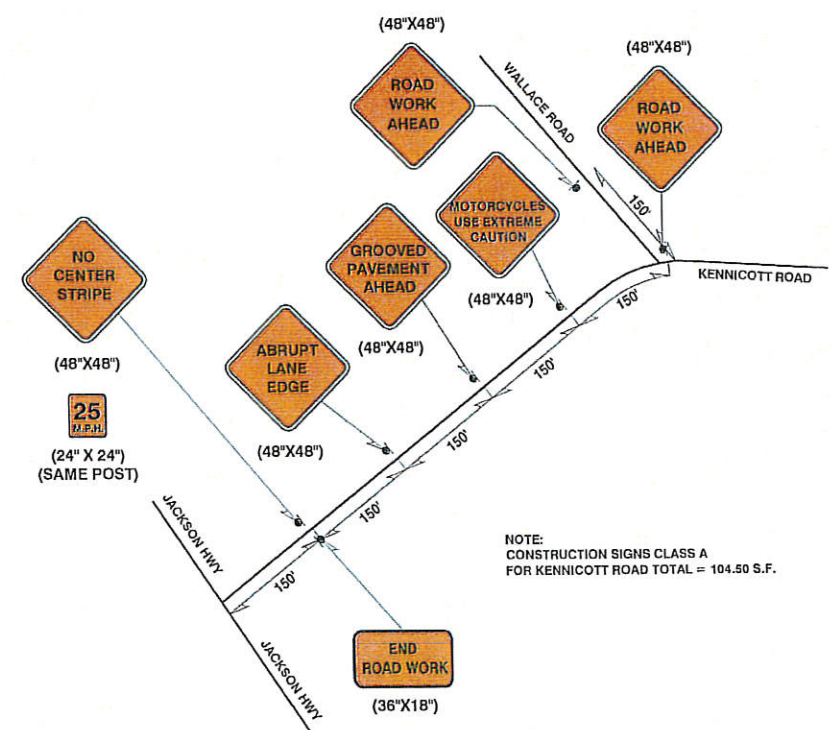
JACKSON HWY BOP



WALLACE ROAD



SALSBURY AVE



KENNICOTT ROAD

NOTES

ALL SIGNS ARE TO BE BLACK ON ORANGE UNLESS OTHERWISE NOTED.

SIGN LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

TEMPORARY TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL 48 HOURS BEFORE IMPLEMENTATION AND SHALL USE THE WSDOT WORK ZONE TRAFFIC CONTROL GUIDELINES FOR MAINTENANCE OPERATIONS FOR GUIDANCE.

ONE-WAY PILOTTED TRAFFIC CONTROL TO BE UTILIZED FOR PAVING OPERATIONS

LEGEND

CONSTRUCTION SIGN CLASS A

JACKSON HWY REHABILITATION

Lewis County
2025 N. E. KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

DESIGNED BY : MJB
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DATE :

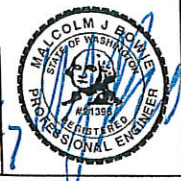
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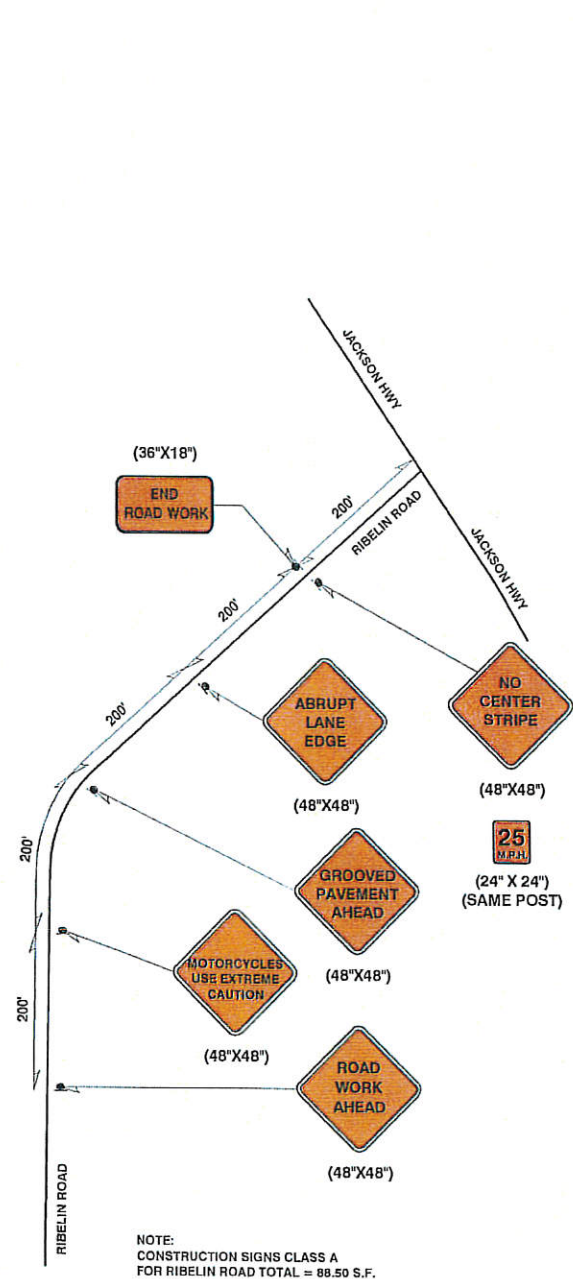
COUNTY ROAD PROJECT NO: 2175D
JACKSON HWY BOP, WALLACE RD,
SALSBURY AVE, KENNICOTT RD
TRAFFIC CONTROL PLAN

SHEET
9 OF 10

CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555
"It's the Law"
Utilities Underground Location Center

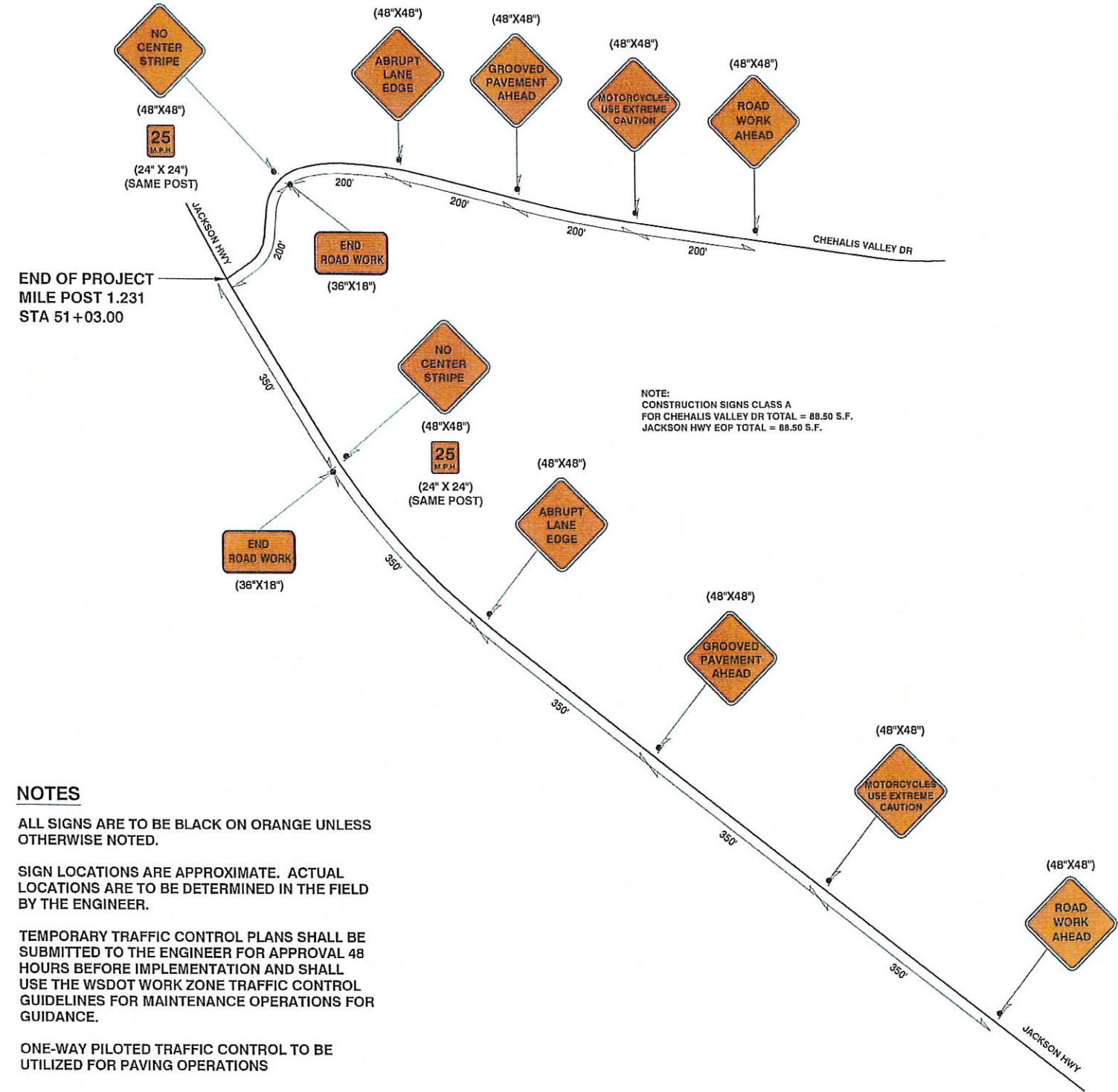
Malcolm J Bowie, P.E.
Senior Design Engineer
Date: 4/18/17





NOTE:
CONSTRUCTION SIGNS CLASS A
FOR RIBELIN ROAD TOTAL = 88.50 S.F.

RIBELIN ROAD



NOTE:
CONSTRUCTION SIGNS CLASS A
FOR CHEHALIS VALLEY DR TOTAL = 88.50 S.F.
JACKSON HWY EOP TOTAL = 88.50 S.F.

CHEHALIS VALLEY DR & JACKSON HWY EOP

NOTES

- ALL SIGNS ARE TO BE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- TEMPORARY TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL 48 HOURS BEFORE IMPLEMENTATION AND SHALL USE THE WSDOT WORK ZONE TRAFFIC CONTROL GUIDELINES FOR MAINTENANCE OPERATIONS FOR GUIDANCE.
- ONE-WAY PILOTTED TRAFFIC CONTROL TO BE UTILIZED FOR PAVING OPERATIONS

LEGEND

CONSTRUCTION SIGN CLASS A

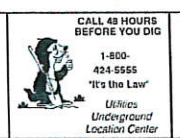
Lewis County
Department of Public Works
2025 N. E. KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

| DESIGNED BY : | NO. | DATE | REVISION | BY | APP. |
|---------------|-----|------|----------|----|------|
| MJB | | | | | |
| DRAWN BY : | | | | | |
| CGA | | | | | |
| CHECKED BY : | | | | | |
| | | | | | |
| DATE : | | | | | |

JACKSON HWY REHABILITATION

COUNTY ROAD PROJECT NO. 2175D
RIBELIN RD, CHEHALIS VALLEY DR,
JACKSON HWY EOP
TRAFFIC CONTROL PLAN

SHEET
10
OF
10



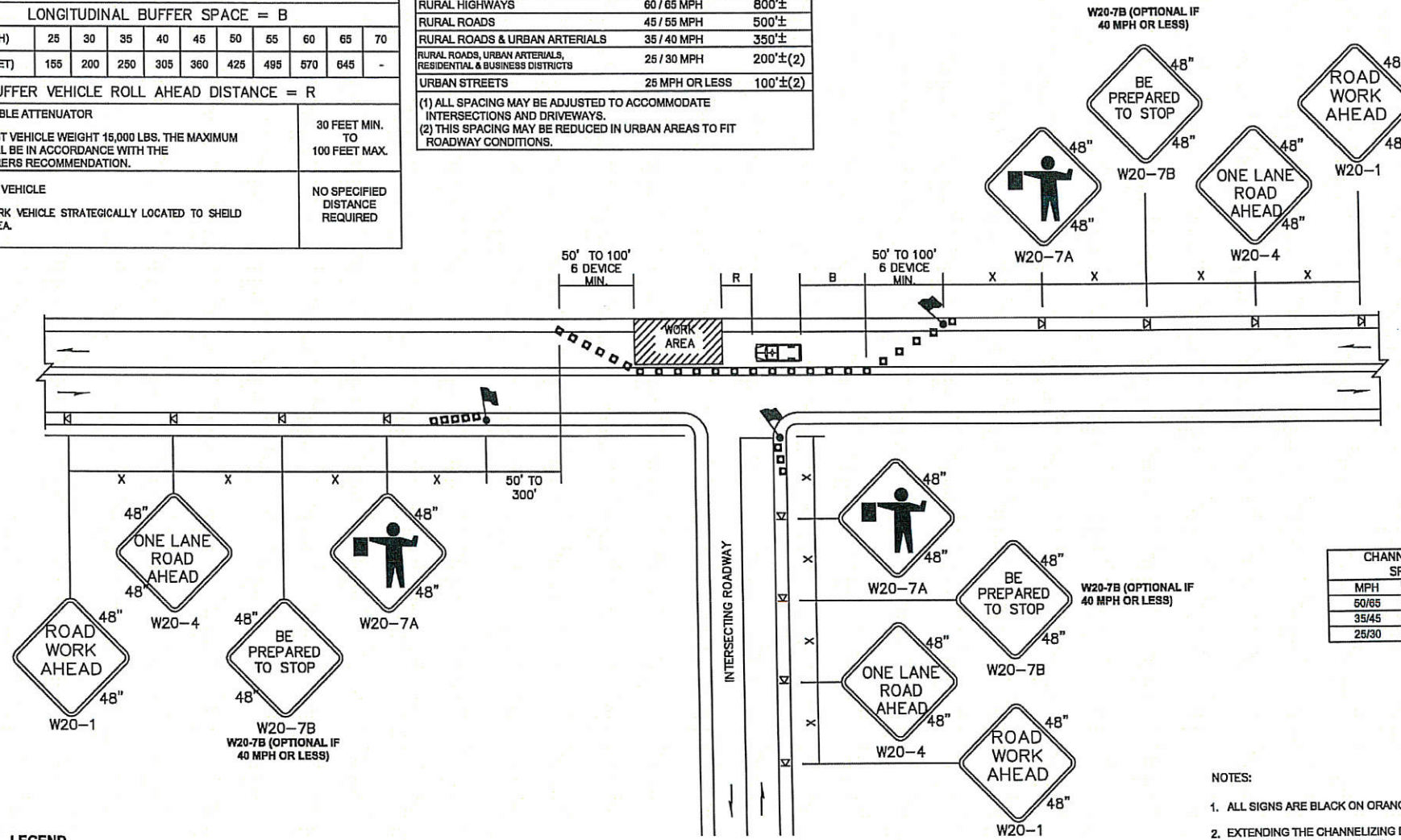
Malcolm J Bowie, P.E.
Senior Design Engineer
Date: 4/10/17



| BUFFER DATA | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | | | |
| SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| LENGTH (FEET) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 | 645 | - |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R | | | | | | | | | | |
| TRANSPORTABLE ATTENUATOR | | | | | | | | | | 30 FEET MIN. TO 100 FEET MAX. |
| MINIMUM HOIST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION. | | | | | | | | | | |
| PROTECTIVE VEHICLE | | | | | | | | | | NO SPECIFIED DISTANCE REQUIRED |
| MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA. | | | | | | | | | | |

| SIGN SPACING = X (1) | | |
|--|----------------|----------|
| RURAL HIGHWAYS | 60 / 65 MPH | 800'± |
| RURAL ROADS | 45 / 55 MPH | 500'± |
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350'± |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25 / 30 MPH | 200'±(2) |
| URBAN STREETS | 25 MPH OR LESS | 100'±(2) |

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



| CHANNELIZATION DEVICE SPACING (FEET) | | |
|--------------------------------------|----------|---------|
| MPH | TAPER | TANGENT |
| 60/65 | 10 TO 20 | 80 |
| 35/45 | 10 TO 20 | 60 |
| 25/30 | 10 TO 20 | 40 |

- NOTES:
- ALL SIGNS ARE BLACK ON ORANGE.
 - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
 - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

- LEGEND
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE

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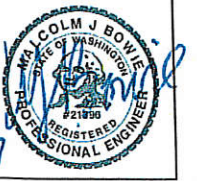
JACKSON HIGHWAY
 REHABILITATION PROJECT

F.A. PROJECT NO: STPUS-5667(004)
 COUNTY ROAD PROJECT NO: 2175D
 TRAFFIC CONTROL PLAN (TC-1)

SHEET
 1 OF 2

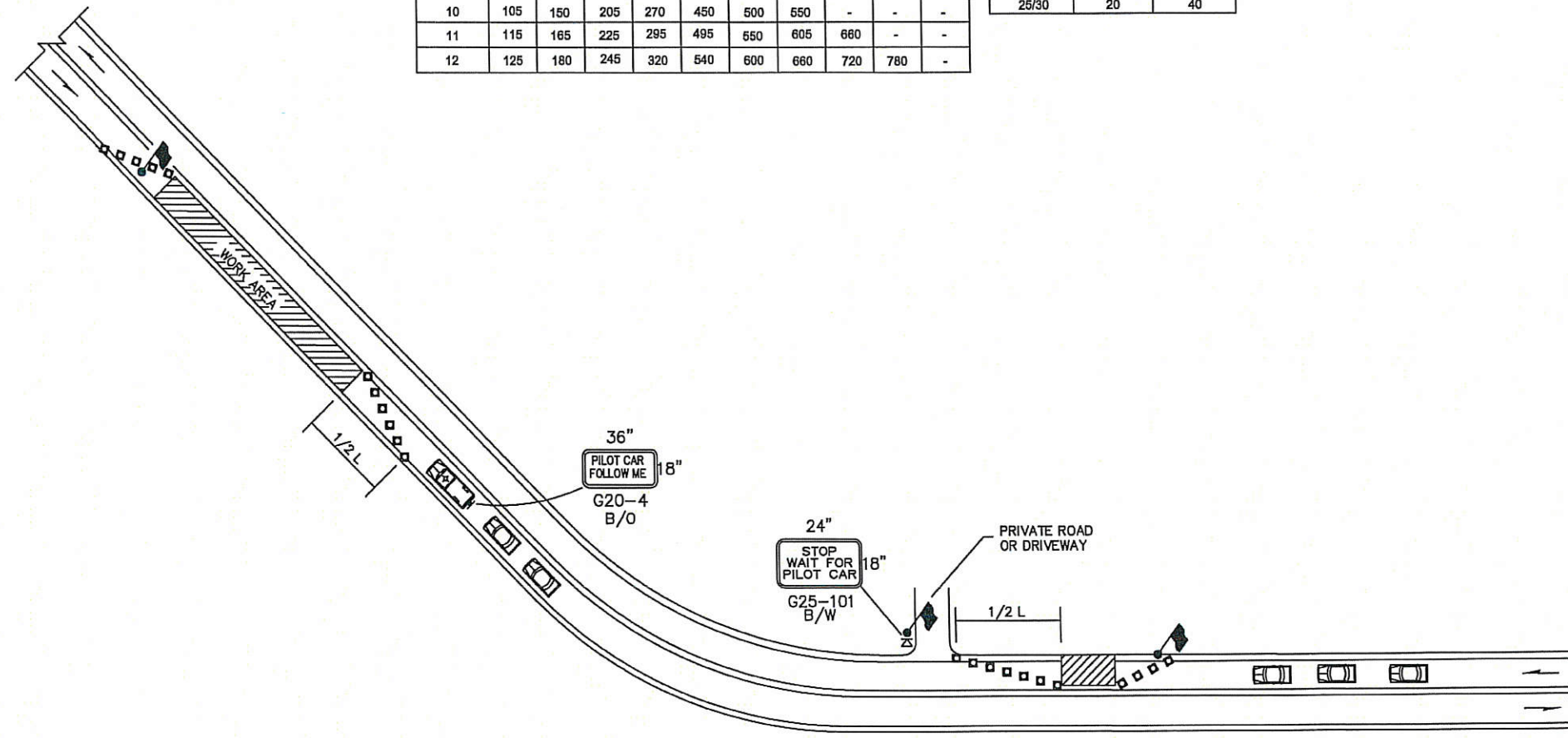


Malcolm J. Bowie, P.E.
 Design Engineer
 Date: 4-7-17



| MINIMUM TAPER LENGTH = L (feet) | | | | | | | | | | |
|---------------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| LANE WIDTH (feet) | Posted Speed (mph) | | | | | | | | | |
| | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 10 | 105 | 150 | 205 | 270 | 450 | 500 | 650 | - | - | - |
| 11 | 115 | 165 | 225 | 295 | 495 | 550 | 605 | 660 | - | - |
| 12 | 125 | 180 | 245 | 320 | 540 | 600 | 660 | 720 | 780 | - |

| CHANNELIZATION DEVICE SPACING (feet) | | |
|--------------------------------------|-------|---------|
| MPH | TAPER | TANGENT |
| 50/65 | 40 | 80 |
| 35/45 | 30 | 60 |
| 25/30 | 20 | 40 |



- LEGEND**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PILOT VEHICLE
 - MOTORIST VEHICLE

PILOT CAR OPERATION

NOT TO SCALE

NOTES:

1. REFER TO SHEET TC1 FOR ADDITIONAL SIGNING AND FLAGGING DETAILS NOT SHOWN.
2. CHANNELIZING DEVICES ARE RECOMMENDED ALONG CENTERLINE TO SEPARATE TRAFFIC FROM WORK OPERATION. DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT FLAGGING STATIONS.
3. SIGN G25-101 IS RECOMMENDED FOR NON-STOP SIGN CONTROLLED APPROACHES SUCH AS PRIVATE ROADS AND DRIVEWAYS. THIS SIGN IS NOT REQUIRED TO BE ALUMINUM SUBSTRATE AND CAN BE MADE OF ALTERNATIVE MATERIALS.



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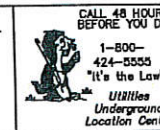
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JACKSON HIGHWAY
 REHABILITATION PROJECT

F.A. PROJECT NO: STPUS-5667(004)
 COUNTY ROAD PROJECT NO: 2175D

TRAFFIC CONTROL PLAN (TC-2)

SHEET
 2 OF 2



Malcolm J. Bowle, P.E.
 Design Engineer
 Date: 4-7-17

