

GRANT COUNTY PUBLIC WORKS DEPARTMENT

Derek Pohle, P.E.
Director of Public Works and
County Road Engineer
Ephrata (509) 754-6082

David Heilman
Assistant Director of Public Works
Ephrata (509) 754-6082

Todd Mittge, P.E.
Assistant County Road Engineer
Ephrata (509) 754-6082

Robert Bersanti
Design/Construction Engineer
Ephrata (509) 754-6082



Steve Hill
Supervisor
Road District #1
Ephrata (509) 754-6586

Dennis Collier, Supervisor
Road District #2
Moses Lake (509) 765-4172

John Brissey, Supervisor
Road District #3
Quincy (509) 787-2321

Jerome Wawers, Supervisor
Bridges
Ephrata (509) 754-6082

Janice Goeden, Supervisor
Solid Waste
Ephrata (509) 754-4319

CONTRACT PROVISIONS and PLANS

For Construction of:

County Road Safety
CRP 11-04
HSIP-000S(273)
TA-4503

Sealed Bids will be Opened on
November 6, 2012
at
1:30:59 P.M.
at the Office of the
Board of County Commissioners
Grant County Courthouse
P.O. Box 37
35 C Street NW, Room 207
Ephrata, Washington 98823

INFORMATIONAL COPY

NOTICE TO CONTRACTORS

Sealed bids, plainly marked "**BID FOR County Road Safety, CRP 11-04**", will be received by Grant County at the Office of the Board of County Commissioners located in the County Courthouse, P.O. Box 37, 35 C Street NW – Room 207, Ephrata, WA, 98823, until **1:30:59 P.M., Tuesday, November 6, 2012** and will then and there be opened and publicly read for the construction of the improvements.

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. No conditional bid bond will be accepted. Should the successful bidder fail to enter into such contract and furnish a satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to Grant County.

Maps, plans and specifications may be purchased from the office of the County Engineer, 124 Enterprise St. S.E., Ephrata, WA 98823, upon payment of the amount of \$25.00 (non-refundable).

Informational copies of the maps, plans and specifications are on file for inspection at the Grant County Public Works Building, 124 Enterprise St. S.E., Ephrata, WA 98823, and in various plan centers located in Washington.

The following is applicable to federal-aid projects: The Grant County Department of Public Works 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 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 in consideration for an award.

The Board of County Commissioners of Grant County, Washington, reserves the right to reject any and all bids. The award of this contract, if made, will be to the lowest responsible bidder.

The improvement for which bids will be received follows:

County Road Safety – CRP 11-04

This contract provides for the construction of Traffic Control Devices – County Wide on two lane county roads in Grant County, WA, and includes removing existing signs, installation of signs, flexible guideposts, transverse rumble lines, flashing beacon, project temporary traffic control and other work all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications.

BIDDER'S CHECK LIST

The bidder's attention is especially called to the following forms which must be executed in full as required:

- (A) PROPOSAL
The unit prices bid must be shown in the spaces provided. Show unit prices in figures only. All extensions of the unit prices must be shown in the spaces provided.
- (B) PROPOSAL SIGNATURE SHEET
To be filled in and signed by the bidder.
- (C) STATEMENT OF CONTRACTOR QUALIFICATIONS
To be filled in and signed by the bidder.
- (D) BID BOND
This form is to be executed by the bidder and his surety company unless the bid is accompanied by cash, certified or cashier's check. The amount of this bond shall be equal to 5% of the total amount bid and may be shown in dollars or on a percentage basis.
- (E) Non-Collusion Declaration (272-036)

The following forms are to be executed after the contract is awarded:

- (F) CONTRACT
This agreement is to be executed by the successful bidder, his surety company, and Grant County.
- (G) CONTRACT BOND
To be executed by the successful bidder and his surety company.

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1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the
3 2012 Standard 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
8 and supersede any conflicting provisions of the Standard Specifications. For informational
9 purposes, the date following each Amendment title indicates the implementation date of the
10 Amendment or the latest date of revision.

11

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

14

15

16 **Section 1-01, Definition and Terms**

17 **August 6, 2012**

18

19 **1-01.3 Definitions**

20 The definition for "**Bid Documents**" is revised to read:

21

22 The component parts of the proposed Contract which may include, but are not limited
23 to, the Proposal Form, the proposed Contract Provisions, the proposed Contract Plans,
24 Addenda, and, for projects with Contracting Agency subsurface investigations, the
25 Summary of Geotechnical Conditions and subsurface boring logs (if any).

26

27 The definition for "Superstructures" is revised to read:

28

29 The part of the Structure above:

30

31 1. The bottom of the grout pad for the simple and continuous span bearing, or

32

33 2. The bottom of the block supporting the girder, or

34

35 3. Arch skewback and construction joints at the top of vertical abutment members
36 or rigid frame piers.

37

38 Longitudinal limits of the Superstructure extend from end to end of the Structure in
39 accordance with the following criteria:

40

41 1. From the face of end diaphragm abutting the bridge approach embankment for
42 end piers without expansion joints, or

43

44 2. From the end pier expansion joint for bridges with end pier expansion joints.

45

46 Superstructures include, but are not limited to, the bottom slab and webs of box girders,
47 the bridge deck and diaphragms of all bridges, and the sidewalks when shown on the
48 bridge deck. The Superstructure also includes the girders, expansion joints, bearings,
49 barrier, and railing attached to the Superstructure when such Superstructure
50 components are not otherwise covered by separate unit measured or lump sum bid
51 items.

52

53 Superstructures do not include endwalls, wingwalls, barrier and railing attached to the

1 wingwalls, and cantilever barriers and railings unless supported by the Superstructure.

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

3 **January 2, 2012**

4 **1-02.4(2) Subsurface Information**

5 The first two sentences in the first paragraph are revised to read:

6
7 If the Contracting Agency has made subsurface investigation of the site of the proposed
8 work, the boring log data, soil sample test data, and geotechnical recommendations reports
9 obtained by the Contracting Agency will be made available for inspection by the Bidders at
10 the location specified in the Special Provisions. The Summary of Geotechnical Conditions,
11 as an appendix to the Special Provisions, and the boring logs shall be considered as part of
12 the Contract.
13

14 **Section 1-03, Award and Execution of Contract**

15 **April 2, 2012**

16 **1-03.1(1) Tied Bids**

17 This section's title is revised to read:

18
19 **1-03.1(1) Identical Bid Totals**

20
21 **Section 1-05, Control of Work**

22 **August 6, 2012**

23
24 **1-05.13(1) Emergency Contact List**

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

26
27 The list shall include, at a minimum, the Prime Contractor's Project Manager, or
28 equivalent, the Prime Contractor's Project Superintendent, the Erosion and
29 Sediment Control (ESC) Lead and the Traffic Control Supervisor.
30

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

32 **June 4, 2012**

33 **1-07.1 Laws to be Observed**

34 The following two sentences are inserted after the first sentence in the third paragraph:

35
36 In particular the Contractor's attention is drawn to the requirements of WAC 296.800 which
37 requires employers to provide a safe workplace. More specifically WAC 296.800.11025
38 prohibits alcohol and narcotics from the workplace.
39

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

41 **April 2, 2012**

42 **1-08.1 Subcontracting**

43 In the eighth paragraph, "Contracting Agency" is revised to read "WSDOT".

44
45 **1-08.3(1) General Requirements**

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

1
2 Total float belongs to the project and shall not be for the exclusive benefit of any party.
3

4 **1-08.7 Maintenance During Suspension**

5 The second paragraph is revised to read:
6

7 At no expense to the Contracting Agency, the Contractor shall provide through the
8 construction area safe, smooth, and unobstructed roadways and pedestrian access routes
9 for public use during the suspension (as required in Section 1-07.23 or the Special
10 Provisions.) This may include a temporary road, alternative pedestrian access route or
11 detour.
12

13 **Section 1-09, Measurement and Payment**

14 August 6, 2012
15

16 **1-09.1 Measurement of Quantities**

17 The following new sentence is inserted after the sentence "'Ton":2,000 pounds of
18 avoirdupois weight":
19

20 Items of payment that have "Lump Sum" or "Force Account" in the Bid Item of Work
21 shall have no specific unit of measurement requirement.
22

23 **1-09.2(5) Measurement**

24 The second sentence in the first paragraph is revised to read:
25

26 The frequency of verification checks will be such that at least one test weekly is
27 performed for each scale used in weighing contract items of Work.
28

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

30 August 6, 2012
31

32 **6-02.3(2) Proportioning Materials**

33 The Lean Concrete value in the column "Minimum Cementitious Content (pounds)" in the table
34 titled "Cementitious Requirement for Concrete" is revised to read:
35

36 ****145
37

38 The following new note is inserted after the note "**** No maximum specified" in the table titled
39 "Cementitious Requirement for Concrete":
40

41 ****Maximum of 200 pounds
42

43 **6-02.3(2)B Commercial Concrete**

44 The second paragraph is revised to read:
45

46 Where concrete Class 3000 is specified for items such as, culvert headwalls, plugging
47 culverts, concrete pipe collars, pipe anchors, monument cases, Type PPB, PS, I, FB and
48 RM signal standards, pedestals, cabinet bases, guardrail anchors, fence post footings,
49 sidewalks, curbs, and gutters, the Contractor may use commercial concrete. If commercial
50 concrete is used for sidewalks, curbs, and gutters, it shall have a minimum cementitious
51 material content of 564 pounds per cubic yard of concrete, shall be air entrained, and the
tolerances of Section 6-02.3(5)C shall apply.

1
2 **6-02.3(2)D Lean Concrete**

3 This section is revised to read:

4
5 Lean concrete shall meet the cementitious requirements of Section 6-02.3(2) and have a
6 maximum water/cement ratio of 2.
7

8 **6-02.3(14)C Pigmented Sealer for Concrete Surfaces**

9 This section is revised to read:

10
11 The Contractor shall submit the pigmented sealer manufacturer's written instructions
12 covering, at a minimum, the following:

- 13
14 1. Surface preparation
15
16 2. Application methods
17
18 3. Requirements for concrete curing prior to sealer application
19
20 4. Temperature, humidity and precipitation limitations for application
21
22 5. Rate of application and number of coats to apply
23

24 The Contractor shall not begin applying pigmented sealer to the surfaces specified to
25 receive the sealer until receiving the Engineer's approval of the submittal.
26

27 All surfaces specified in the Plans to receive pigmented sealer shall receive a Class 2
28 surface finish (except that concrete barrier surfaces shall be finished in accordance with
29 Section 6-02.3(11)A). The Contractor shall not apply pigmented sealer from a batch
30 greater than 12 months past the initial date of color sample approval of that batch by the
31 Engineer.
32

33 The pigmented sealer color or colors for specific concrete surfaces shall be as specified in
34 the Special Provisions.
35

36 The final appearance shall be even and uniform without blotchiness, streaking or uneven
37 color. Surface finishes deemed unacceptable by the Engineer shall be re-coated in
38 accordance with the manufacturer's recommendations at no additional expense to the
39 Contracting Agency.
40

41 For concrete surfaces such as columns, retaining walls, pier walls, abutments, concrete
42 fascia panels, and noise barrier wall panels, the pigmented sealer shall extend to 1 foot
43 below the finish ground line, unless otherwise shown in the Plans.
44

45 **6-02.3(16) Plans for Falsework and Formwork**

46 Item No. 4 in the seventh paragraph is revised to read:

- 47
48 4. Conditions required by other Sections of 6-02.3(17), Falsework and Formwork.
49

50 Item's No. 5, 6, 7, and 8 in the seventh paragraph are deleted.
51

52 The following paragraph is inserted after the seventh paragraph:
53

1 Plan approval can be done by the Project Engineer for footings and walls 4 to 8 feet high
2 (excluding pedestal height) provided:

- 3
- 4 1. Concrete placement rate is 4 feet per hour or less.
- 5
- 6 2. Facing is ¾-inch plywood with grades as specified per Section 6-02.3(17)l.
- 7
- 8 3. Studs, with plywood face grain perpendicular, are 2 by 4's spaced at 12 inches.
- 9
- 10 4. Walers with 3,000 pound safe working load ties spaced at 24 inches are two 2 by 4's
- 11 spaced at 24 inches.
- 12

13 **6-02.3(17)F Bracing**

14 In the first paragraph, the phrase "per Section 6-02.3(17)l" is revised to read "in accordance with
15 Section 6-02.3(17)l".

16
17 This section is supplemented with the following new sub-section:

18 **6-02.3(17)F5 Temporary Bracing for Bridge Girders During Diaphragm and** 19 **Bridge Deck Concrete Placement**

20 Prestressed concrete girders shall be braced to resist forces that would cause rotation or
21 torsion in the girders caused by the placing of precast concrete deck panels and concrete
22 for the bridge deck.

23
24
25 Bracing shall be designed and detailed by the Contractor and shall be shown in the
26 falsework/formwork plans submitted to the Engineer for approval. These braces shall be
27 furnished, installed, and removed by the Contractor at no additional cost to the Contracting
28 Agency. The Contractor may consider the bracing effects of the diaphragms in developing
29 the falsework/formwork plans. The Contractor shall account for the added load from
30 concrete finishing machines and other construction loadings in the design of the bracing.

31
32 Falsework support brackets and braces shall not be welded to structural steel bridge
33 members or to steel reinforcing bars.

34 35 **6-02.3(17)F4 Temporary Bracing for Bridge Girders**

36 This section including title is revised to read:

37 38 **6-02.3(17)F4 Temporary Bracing for Bridge Girders During Erection**

39 Steel girders shall be braced in accordance with Section 6-03.3(7)A.

40
41 Prestressed concrete girders shall be braced sequentially during girder erection. The
42 bracing shall be designed and detailed by the Contractor and shall be shown in the
43 falsework/formwork plans submitted to the Engineer for approval. The Contractor shall
44 furnish, install, and remove the bracing at no additional cost to the Contracting Agency.

45
46 At a minimum, the Contractor shall brace girders at each end and at midspan to prevent
47 lateral movement or rotation. This bracing shall be placed prior to the release of each girder
48 from the erection equipment. If the bridge is constructed with cast-in-place concrete
49 diaphragms, the bracing may be removed once the concrete in the diaphragms has been
50 placed and cured for a minimum of 24 hours.

51 52 **6-02.3(17)H Formwork Accesories**

53 The first paragraph is deleted and replaced with the following two new paragraphs:

1
2 Formwork accessories such as form ties, form anchors, form hangers, anchoring inserts,
3 and similar hardware shall be specifically identified in the formwork plans including the
4 name and size of the hardware, manufacturer, safe working load, and factor of safety. The
5 grade of steel shall also be indicated for threaded rods, coil rods, and similar hardware.
6 Wire form ties shall not be used. Welding or clamping formwork accessories to Contract
7 Plan reinforcing steel will not be allowed. Driven types of anchorages for fastening forms or
8 form supports to concrete, and Contractor fabricated "J" hooks shall not be used. Field
9 drilling of holes in prestressed girders is not allowed.

10
11 Taper ties may be used provided the following conditions are met:

- 12
13 1. The structure is not designed to resist water pressure (pontoons, floating dolphins,
14 detention vaults, etc.)
- 15
16 2. After the taper tie is removed, plugs designed and intended for plugging taper tie
17 holes shall be installed at each face of concrete. The plug shall be installed a
18 minimum of 1 ½" clear from the face of concrete.
- 19
20 3. After the plug is installed, the hole shall be cleaned of all grease, contamination
21 and foreign matter.
- 22
23 4. Holes on the exposed faces of concrete shall be patched and finished to match
24 the surrounding concrete.

25 26 **6-02.3(25)N Prestressed Concrete Girder Erection**

27 The third sentence in the fifth paragraph is revised to read:

28
29 The girders shall be braced in accordance with Sections 6-02.3(17)F4 and 6-02.3(17)F5.

30 31 **6-02.3(26)E5 Leak Tightness Testing**

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

33
34 The Contractor shall test each completed duct assembly for leak tightness after placing
35 concrete but prior to placing post tensioning reinforcement.

36
37 The second paragraph is revised to read:

38
39 Prior to testing, all grout caps shall be installed and all vents, grout injection ports, and
40 drains shall either be capped or have their shut-off valves closed. The Contractor shall
41 pressurize the completed duct assembly to an initial air pressure of 50 psi. This pressure
42 shall be held for five minutes to allow for internal adjustments within the assembly. After five
43 minutes, the air supply valve shall be closed. The Contractor shall monitor and measure the
44 pressure maintained within the closed assembly, and any subsequent loss of pressure,
45 over a period of one minute following the closure of the air supply valve. The maximum
46 pressure loss for duct assemblies equal to or less than 150 feet in length shall be 25 psig.
47 The maximum pressure loss for duct assemblies greater than 150 feet in length shall be 15
48 psig. If the pressure loss exceeds the allowable, locations of leakage shall be identified,
49 repaired or reconstructed using methods approved by the Engineer. The repaired system
50 shall then be retested. The cycle of testing, repair and retesting of each completed duct
51 assembly shall continue until the completed duct assembly completes a test with pressure
52 loss within the specified amount.
53

1 **Section 8-20, Illumination, Traffic Signal Systems, And Electrical**
2 **August 6, 2012**

3 **8-20.3(4) Foundations**

4 The first paragraph is revised to read:

5

6 Foundation concrete shall conform to the requirements for the specified class, be cast-in-
7 place concrete and be constructed in accordance with Sections 6-02.2 and 6-02.3.
8 Concrete for Type II, III, IV, V, and CCTV signal standards and light standard foundations
9 shall be Class 4000P. Concrete for pedestals and cabinets, Type PPB, PS, I, FB, and RM
10 signal standards and other foundations shall be Class 3000. Concrete placed into an
11 excavation where water is present shall be placed using an approved tremie. If water is not
12 present, the concrete shall be placed such that the free-fall is vertical down the center of
13 the shaft without hitting the sides, the steel reinforcing bars, or the steel reinforcing bar
14 cage bracing. The Section 6-02.3(6) restriction for 5-foot maximum free-fall shall not apply
15 to placement of Class 4000P concrete into a shaft. Steel reinforcing bars for foundations
16 shall conform to Section 9-07.

17

18 **8-20.3(9) Bonding, Grounding**

19 The first sentence in the second paragraph is replaced with the following two sentences:

20

21 All conduit installed shall have an equipment ground conductor installed in addition to the
22 conductors noted in the Contract. Conduit with innerducts shall have an equipment ground
23 conductor installed in each innerduct that has an electrical conductor.

24

25 **Section 8-21, Permanent Signing**

26 **August 6, 2012**

27 **8-21.2 Materials**

28 The third sentence is revised to read:

29

30 Materials for sign mounting shall conform to Section 9-28.11.

31

32 **8-21.3(9)A Fabrication of Steel Structures**

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

34

35 Fabrication shall conform to the applicable requirements of Section 6-03 and 9-06.

36

37 This section is supplemented with the following:

38

39 All fabrication, including repairs, adjustments or modifications of previously fabricated sign
40 structure members and connection elements, shall be performed in the shop, under an
41 Engineer approved shop drawing prepared and submitted by the Contractor for the original
42 fabrication or the specific repair, adjustment or modification. Sign structure fabrication
43 repair, adjustment or modification of any kind in the field is not permitted. If fabrication
44 repair, adjustment or modification occurs after a sign structure member or connection
45 element has been galvanized, the entire member or element shall be re-galvanized in
46 accordance with AASHTO M 111.

47

48 **8-21.3(9)B Vacant**

49 This section including title is revised to read:

50

1 **8-21.3(9)B Erection of Steel Structures**

2 Erection shall conform to the applicable requirements of Sections 6-03 and 8-21.3(9)F.
3 Section 8-21.3(9)F notwithstanding, the Contractor may erect a sign bridge prior to
4 completion of the shaft cap portion of one foundation for one post provided the following
5 conditions are satisfied:
6

- 7 1. The Contractor shall submit design calculations and working drawings of the
8 temporary supports and falsework supporting the sign bridge near the location of
9 the incomplete foundation to the Engineer for approval in accordance with Section
10 6-01.9. The submittal shall include the method of releasing and removing the
11 temporary supports and falsework without inducing loads and stress into the sign
12 bridge.
13
14 2. The Contractor shall submit the method used to secure the anchor bolt array in
15 proper position with the sign bridge while casting the shaft cap concrete to
16 complete the foundation.
17
18 3. The Contractor shall erect the sign bridge and temporary supports and falsework,
19 complete the remaining portion of the incomplete foundation, and remove the
20 temporary supports and falsework, in accordance with the working drawing
21 submittals as approved by the Engineer.
22

23 **8-21.3(9)F Foundations**

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

26 Concrete placed into an excavation where water is present shall be placed using an
27 approved tremie. If water is not present, the concrete shall be placed such that the free-fall
28 is vertical down the center of the shaft without hitting the sides, the steel reinforcing bars, or
29 the steel reinforcing bar cage bracing. The Section 6-02.3(6) restriction for 5-foot maximum
30 free-fall shall not apply to placement of Class 4000P concrete into a shaft.
31

32 The eighth paragraph is replaced with the following three new paragraphs:
33

34 After construction of concrete foundations for sign bridge and cantilever sign structures, the
35 Contractor shall survey the foundation locations and elevations, the anchor bolt array
36 locations and lengths of exposed threads. The Contractor shall confirm that the survey
37 conforms to the sign structure post, beam, span and foundation design geometry shown in
38 the Plans, and shall identify any deviations from the design geometry shown in the Plans.
39 When deviations are identified, the Contractor shall notify the Engineer, and such notice
40 shall be accompanied by the Contractor's proposed method(s) of addressing the
41 deviations, including removal and reconstruction of the shaft cap portion of the affected
42 concrete foundation as outlined in this Section, or fabrication repair, adjustment or
43 modification, with associated shop drawings, in accordance with Section 8-21.3(9)A.
44

45 If the Contractor's survey indicates that a concrete foundation has been constructed
46 incorrectly for a sign structure that has already been fabricated, the Contractor may remove
47 and reconstruct the shaft cap portion of the foundation, in accordance with Section 1-07.13,
48 provided the following conditions are satisfied:
49

- 50 1. The Contractor shall submit the method and equipment to be used to remove the
51 portion of the concrete foundation to be removed and reconstructed to the
52 Engineer for approval in accordance with Section 1-05.3. The submittal shall
53 include confirmation that the equipment and the method of operation is

1 appropriate to ensure that the existing anchor bolt array and primary shaft vertical
2 steel reinforcing bars will not be damaged.

- 3
- 4 2. All steel reinforcing bars, except for steel reinforcing bars extending from the
5 bottom portion of the foundation to remain, shall be removed and disposed of in
6 accordance with Sections 2-02.3 and 2-03.3(7)C, and shall be replaced with new
7 steel reinforcing bars conforming to the size, dimensions and geometry shown in
8 the Plans. All concrete of the removed portion of the foundation shall be removed
9 and disposed of in accordance with Sections 2-02.3 and 2-03.3(7)C.
- 10
- 11 3. The Contractor shall adjust the primary shaft vertical steel reinforcing bars as
12 necessary in accordance with Section 6-02.3(24)C to provide clearance for the
13 anchor bolt array.

14

15 Sign structures shall not be erected on concrete foundations until the Contractor confirms
16 that the foundations and the fabricated sign structures are either compatible with each
17 other and the design geometry shown in the Plans, or have been modified in accordance
18 with this Section and as approved by the Engineer to be compatible with each other, and
19 the foundations have attained a compressive strength of 2,400-psi.

20

21 Item number 4 in the ninth paragraph is revised to read:

- 22
- 23 4. Concrete shall be Class 4000P, except as otherwise specified. The concrete for the
24 shaft cap (the portion containing the anchor bolt array assemblies above the
25 construction joint at the top of the shaft) shall be Class 4000.

26

27 Item number 3 in the tenth paragraph is revised to read:

- 28
- 29 3. Unless otherwise shown in the Plans, concrete shall be Class 4000P.

30

31 **8-21.5 Payment**

32 This section is supplemented with the following:

33

34 All costs in connection with surveying completed concrete foundations for sign bridges and
35 cantilever sign structures shall be included in the lump sum contract price for "Structure
36 Surveying", except that when no Bid item is included in the Proposal for "Structure
37 Surveying" then such costs shall be included in the lump sum contract price(s) for "Sign
38 Bridge No. ____" and "Cantilever Sign Structure No. ____".

39

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

41 **August 6, 2012**

42 **8-22.3(6) Removal of Pavement Markings**

43 The following new sentence is inserted after the first sentence:

44

45 Grinding to remove plastic marking is allowed to a depth just above the pavement surface,
46 then water blasting or shot blasting shall be required to remove the remaining markings.

47 **8-22.4 Measurement**

48 The items "Painted Wide Line" and "Plastic Wide Line" are deleted from the fourth paragraph.

49

50

51 The sixth paragraph is revised to read:

1 Diagonal lines used to delineate parking stalls that are constructed of painted or plastic 4-
2 inch lines will be measured as "Paint Line" or "Plastic Line" by the linear foot of line
3 installed. Crosswalk line will be measured by the square foot of marking installed.
4

5 The following two new paragraphs are inserted after the sixth paragraph:
6

7 Crosshatch markings used to delineate median and gore areas will be measured by the
8 completed linear foot as "Painted Crosshatch Marking" or "Plastic Crosshatch Marking".
9

10 The measurement for "Painted Crosshatch Marking" and for "Plastic Crosshatch Marking"
11 will be based on the total length of each 8-inch or 12-inch wide line installed.
12

13 **8-22.5 Payment**

14 The bid items "Painted Wide Line", per linear foot and "Plastic Wide Line", per linear foot are
15 deleted from this section.
16

17 This section is supplemented with the following two new bid items:
18

19 "Painted Crosshatch Marking", per linear foot.

20 "Plastic Crosshatch Marking", per linear foot.
21

22 The following new paragraph is inserted after the last bid item in this section:
23

24 The unit Contract price for the aforementioned Bid items shall be full payment for all costs
25 to perform the Work as described in Section 8-22.
26

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

28 **April 2, 2012**

29 **9-06.5(3) High Strength Bolts**

30 In this section, "AASHTO M 291" is revised to read "ASTM A 563".
31

32 **Section 9-28, Signing Materials and Fabrication**

33 **September 17, 2012**

34 **9-28.14(2) Steel Structures and Posts**

35 "AASHTO M 291" is revised to read "ASTM A 563".
36

37 **Section 9-29, Illumination, Signal, Electrical**

38 **September 17, 2012**

39 **9-29.1(4) Non-Metallic Conduit**

40 This section is supplemented with the following new sub-section:
41

42 **9-29.1(4)D Deflection Fittings**

43 Deflection Fittings for use with rigid PVC conduit shall be as described in 9-29.1(2)A
44

45 **9-29.2 Junction Boxes, Cable Vaults, and Pull Boxes**

46 The section is supplemented with the following:
47

48 The Contractor shall perform quality control inspection. The Contracting Agency intends to
49 perform Quality Assurance Inspection. By its inspection, the Contracting Agency intends
50 only to verify the quality of that Work. This inspection shall not relieve the Contractor of any

1 responsibility for identifying and replacing defective material and workmanship. Prior to the
2 start of production of the precast concrete units, the Contractor shall advise the Engineer of
3 the production schedule. The Contractor shall give the Inspector safe and free access to
4 the Work. If the Inspector observes any nonspecification Work or unacceptable quality
5 control practices, the Inspector will advise the plant manager. If the corrective action is not
6 acceptable to the Engineer, the unit(s) will be rejected.
7

8 **9-29.2(1) Standard Duty and Heavy-Duty Junction Boxes**

9 The third paragraph is deleted and replaced with the following new paragraphs:
10

11 The Contractor shall provide shop drawings for all components, including the concrete box,
12 and Lid and the shop drawings shall show placement of reinforcing steel. The shop
13 drawing shall be prepared by (or under the direct supervision of) a Professional Engineer,
14 licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural, and
15 each sheet shall carry the following:
16

- 17 1. Professional Engineer's original signature, date of signature, original seal,
18 registration number, and date of expiration.
- 19 2. The initials and dates of all participating design professionals
- 20 3. Clear notation of all revisions including identification of who authorized the
21 revision, who made the revision, and the date of the revision.
- 22 4. Design calculations shall carry on the cover page, the Professional Engineer's
23 original signature, date of signature, original seal, registration number, and date of
24 expiration.
25
26
27
28

29 For each type of junction box, or whenever there is a change to the junction box design, a
30 proof test, as defined in this Specification, shall be performed and new shop drawings
31 submitted.
32

33 **9-29.2(1)A Standard Duty Junction Boxes**

34 The sub-paragraph's titled "Concrete Junction Boxes" are revised to read:
35

36 **Concrete Junction Boxes**

37 The Standard Duty Concrete Junction Box steel frame, lid support, and lid shall be painted
38 with a black paint containing rust inhibitors or painted with a shop applied, inorganic zinc
39 primer in accordance with Section 6-07.3, or hot-dip galvanized in accordance with
40 AASHTO M 111. All Standard Duty Concrete Junction Boxes placed in sidewalks,
41 walkways, and shared-use paths shall have slip-resistant surfaces. Non-slip lids and
42 frames shall be hot dip galvanized.
43

44 Concrete used in Standard Duty Junction Boxes shall have a minimum compressive
45 strength of 6,000 psi when reinforced with a welded wire hoop, or 4,000 psi when
46 reinforced with welded wire fabric or fiber reinforcement. The frame shall be anchored to
47 the box by welding headed studs $\frac{3}{8}$ by 3 inches long, as specified in Section 9-06.15, to the
48 frame. The wire fabric shall be attached to the studs and frame with standard tie practices.
49 The box shall contain ten studs located near the centerline of the frame and box wall. The
50 studs shall be placed one anchor in each corner, one at the middle of each width and two
51 equally spaced on each length of the box.
52

53 Materials for Type 1, 2, and 8 Concrete Junction Boxes shall conform to the following:
54

Materials	Requirement
Concrete	Section 6-02
Reinforcing Steel	Section 9-07
Fiber Reinforcing	ASTM C 1116, Type III
Lid	ASTM A 786 diamond plate steel
Slip Resistant Lid	ASTM A 36 steel
Frame	ASTM A 786 diamond plate steel or ASTM A36 steel
Slip Resistant Frame	ASTM A 36 steel
Lid Support	ASTM A 36, or ASTM A1011 Grade SS
Handle & Handle support	ASTM A 36 steel or ASTM A1011 Grade CS or SS
Anchors (studs)	Section 9-06.15
Bolts, Studs, Nuts, Washers	ASTM F 593 or A 193, 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

1
2
3 **9-29.2(1)B Heavy Duty Junction Boxes**

4 The section is revised to read:

5
6 Heavy-Duty Junction Boxes shall be concrete and have a minimum vertical load rating of
7 46,000 pounds without permanent deformation and 60,000 pounds without failure when
8 tested in accordance with Section 9-29.2(1)C.

9
10 The Heavy-Duty Junction Box steel frame, lid support and lid shall be painted with a shop
11 applied, inorganic zinc primer in accordance with Section 6-07.3.

12
13 Materials for Type 4, 5, and 6 Concrete Junction Boxes shall conform to the following:

14

Materials	Requirement
Concrete	Section 6-02
Reinforcing Steel	Section 9-07
Lid	ASTM A 786 diamond plate steel, rolled from plate complying with ASTM A 572, grade 50 or ASTM A 588, and having a min. CVN toughness of 20 ft-lb at 40 degrees F.
Frame and stiffener plates	ASTM A 572 grade 50 or ASTM A 588, both with min. CVN toughness of 20 ft-lb at 40 degrees F
Handle	ASTM A 36 steel or ASTM A 1011 Grade CS or SS

Anchors (studs)	Section 9-06.15
Bolts, Studs, Nuts, Washers	ASTM F 593 or A 193, Type 304 or 316, or Stainless steel grade 302, 304, or 316 in accordance with approved shop drawing
Hinges and Locking and Latching Mechanism Hardware and Bolts	In accordance with approved shop drawings

The lid stiffener plates shall bear on the frame, and be milled so that there is full even contact, around the perimeter, between the bearing seat and lid stiffener plates, after fabrication of the frame and lid. The bearing seat and lid perimeter bar shall be free from burrs, dirt, and other foreign debris that would prevent solid seating. Bolts and nuts shall be liberally coated with anti-seize compound. Bolts shall be installed snug tight. The bearing seat and lid perimeter bar shall be machined to allow a minimum of 75 percent of the bearing areas to be seated with a tolerance of 0.0 to 0.005 inches measured with a feeler gage. The bearing area percentage will be measured for each side of the lid as it bears on the frame.

9-29.2(1)C Testing Requirements

The first paragraph is revised to read:

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

The second paragraph is revised to read:

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

1. Product identification.
2. Date of testing.
3. Description of testing apparatus and procedure.
4. All load deflection and failure data.
5. Weight of box and cover tested.
6. Upon completion of the required test(s) the box shall be loaded to failure.
7. A brief description of type and location of failure.

The third paragraph is revised to read:

1 For non-concrete junction boxes the independent testing laboratory shall meet the
2 requirements of AASHTO R 18 for Qualified Tester and Verified Test Equipment. The test
3 shall be conducted in the presence of a Professional Engineer, licensed under Title 18
4 RCW, State of Washington, in the branch of Civil or Structural, and each test sheet shall
5 have the Professional Engineer's original signature, date of signature, original seal,
6 registration number, and date of expiration. One copy of the test report shall be furnished to
7 the Contracting Agency certifying that the box and cover meet or exceed the loading
8 requirements for a non-concrete junction box, and shall include the following information:

- 9
- 10 1. Product identification.
- 11
- 12 2. Date of testing.
- 13
- 14 3. Description of testing apparatus and procedure.
- 15
- 16 4. All load deflection data.
- 17
- 18 5. Weight of box and cover tested.
- 19

20 The first paragraph following the title "**Testing for the Standard Duty Non-Concrete Junction**
21 **Boxes**" is revised to read:

22

23 Non-concrete Junction Boxes shall be tested as defined in the ANSI/SCTE 77-2007 Tier 15
24 test method with test load minimum of 22,500 lbs. In addition, the Contractor shall provide a
25 Manufacture Certificate of Compliance for each non-concrete junction box installed.

26

27 **9-29.2(2) Standard Duty and Heavy-Duty Cable Vaults and Pull Boxes**

28 This section is revised to read:

29

30 Standard Duty and Heavy-Duty Cable Vaults and Pull Boxes shall be constructed as a
31 concrete box and as a concrete lid. The lid for the Heavy-Duty and Standard Duty Cable
32 Vaults and Pull Boxes shall be interchangeable and both shall fit the same box as shown in
33 the Standard Plans.

34

35 The Contractor shall provide shop drawings for all components, including concrete box,
36 Cast Iron Ring, Ductile Iron Lid, Steel Rings, and Lid. In addition, the shop drawings shall
37 show placement of reinforcing steel, knock outs, and any other appurtenances. The shop
38 drawing shall be prepared by or under the direct supervision of a Professional Engineer,
39 licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural, and
40 each sheet shall carry the following:

- 41
- 42 1. Professional Engineer's original signature, date of signature, original seal,
43 registration number, and date of expiration.
- 44
- 45 2. The initials and dates of all participating design professionals
- 46
- 47 3. Clear notation of all revisions including identification of who authorized the
48 revision, who made the revision, and the date of the revision.
- 49
- 50 4. Design calculations shall carry on the cover page, the Professional Engineer's
51 original signature, date of signature, original seal, registration number, and date of
52 expiration.
- 53

1 For each type of box or whenever there is a change to the Cable Vault or Pull box design, a
2 proof test, as defined in this Specification, shall be performed and new shop drawings
3 submitted.
4

5 **9-29.2(2)A Standard Duty Cable Vaults and Pull Boxes**

6 This section is revised to read:
7

8 Standard Duty Cable Vaults and Pull boxes shall be concrete and have a minimum load
9 rating of 22,500 pounds and be tested in accordance with Section 9-29.2(1)C for concrete
10 Standard Duty Junction Boxes.
11

12 Concrete for standard duty cable vaults and pull boxes shall have a minimum compressive
13 strength of 4,000 psi. The lid frame shall be anchored to the vault/box concrete lid by
14 welding headed studs $\frac{3}{8}$ by 3 inches long, as specified in Section 9-06.15, to the frame.
15 The wire fabric shall be attached to the studs and frame with standard tie practices. The
16 vault/box concrete lid shall contain ten studs located near the centerline of the frame and
17 wall. Studs shall be placed one anchor in each corner, one at the middle of each width and
18 two equally spaced on each length of the vault/box. The steel frame, lid support, and lid
19 shall be painted with a black paint containing rust inhibitors or painted with a shop applied,
20 inorganic zinc primer in accordance with Section 6-07.3 or hot-dip galvanized in
21 accordance with ASTM A 111.
22

23 All Standard Duty Cable Vaults and Pull Boxes placed in sidewalks, walkways, and shared-
24 use paths shall have slip-resistant surfaces. The steel frame, lid support, and lid for the
25 Standard Duty Cable Vaults and Pull Boxes shall be hot-dip galvanized.
26

27 Materials for Standard Duty Cable Vaults and Pull Boxes shall conform to the following:
28

Materials	Requirements
Concrete	Section 6-02
Reinforcing Steel	Section 9-07
Lid	ASTM A 786 diamond plate steel
Slip Resistant Lid	ASTM A 36 Steel
Frame	ASTM A 786 diamond plate steel or ASTM A 36
Slip Resistant Frame	ASTM A 36 Steel
Lid Support	ASTM A 36 Steel, or ASTM A 1011 Grade SS
Handle & Handle Support	ASTM A 36 steel or ASTM A 1011 Grade CS or SS
Anchors (studs)	Section 9-06.15
Bolts, Studs, Nuts, Washers	ASTM F593 or A 193, type 304 or 316, or Stainless steel grade 302, 304, 316 per approved shop drawing
Hinges and Locking Mechanism Hardware and Bolts	Per approved shop drawings

29
30

1 **9-29.2(2)B Heavy-Duty Cable Vaults and Pull Boxes**

2 This section is revised to read:

3
4 Heavy-Duty Cable Vaults and Pull Boxes shall be constructed of concrete having a
5 minimum compressive strength of 4,000 psi, and have a minimum vertical load rating of
6 46,000 pounds without permanent deformation and 60,000 pounds without failure when
7 tested in accordance with Section 9-29.2(1)C for Heavy-Duty Junction Boxes.

8
9 Materials for Heavy Duty Cable Vaults and Pull boxes shall conform to the following:

Materials	Requirements
Concrete	Section 6-02
Reinforcing Steel	Section 9-07
Cover	Section 9-05.15(1)
Ring	Section 9-05.15(1)
Anchors (studs)	Section 9-06.15
Bolts, Nuts, Washers	ASTM F 593 or A 193, Type 304 or 316, or Stainless steel grade 302, 304, 316 in accordance with approved shop drawing

11 **9-29.6(2) Slip Base Hardware**

12 "AASHTO M 291" is revised to read "ASTM A 563".

13
14
15 **9-29.6(5) Foundation Hardware**

16 "AASHTO M 291" is revised to read "ASTM A 563".

17
18 **9-29.10 Luminaires**

19 The third paragraph is revised to read:

20
21 All luminaires shall be provided with markers for positive identification of light source type
22 and wattage. Markers shall be 3 inches square with Gothic bold, black 2-inch legend on
23 colored background. Background color shall be gold for high-pressure sodium and red for
24 metal halide, and white for induction light sources. Legends shall be sealed with
25 transparent film resistant to dust, weather, and ultraviolet exposure.

26
27 **9-29.10(2) Decorative Luminaries**

28 The second sentence in the third paragraph is deleted.

29
30 **9-29.13(7)B Auxiliary Equipment for NEMA Controllers**

31 In the first paragraph, item number's 8-13 are renumbered to read 9-14 respectfully.

32
33 Item number 7 in the first paragraph is revised to read:

- 34
- 35 7. A "Display Panel" when noted in the Contract. The display panel shall depict a generic
- 36 eight-phase operation. The panel shall be mounted on the inside of the front cabinet
- 37 door and the mounting shall be of a design that allows positioning of the panel in four
- 38 orientations 90 degrees from each other. The mounting shall be removable without use
- 39 of any tools. Incandescent red, yellow, green, walk and don't walk indicator lights shall
- 40 be provided for each phase. The indicator lights shall be connected to the associated
- 41 field terminals. The connecting cable shall be long enough to allow for any mounting
- 42 orientation. No diodes will be allowed in the display panel. A means of disconnecting all

1 wiring entering the panel shall be provided. Switches shall be provided on the panel
2 with labels and functions as follows:

- 3
4 a. Display On – Signal indicator lamps will display the operation of the
5 intersection.
6
7 b. Test – All indicator lamps shall be energized.
8
9 c. Display Off – All signal indicator lamps shall be de-energized.

10
11 The following new numbered item is inserted after item number 7.:

- 12
13 8. A "Detector Panel", as specified in Section 9-29.13(7)D, shall be installed. The panel
14 shall be mounted on the inside of the front cabinet door. The detector panel shall be
15 constructed as a single unit. Detector switches with separate operate, test, and off
16 positions shall be provided for each field detector input circuit. A high intensity light
17 emitting diode (LED) shall be provided for each switch. The lamp shall energize upon
18 vehicle, pedestrian or test switch actuation. The test switch shall provide a spring
19 loaded momentary contact that will place a call into the controller. When in the OFF
20 position, respective detector circuits will be disconnected. In the operate position, each
21 respective detector circuit shall operate normally. Switches shall be provided on the
22 panel with labels and functions as follows:

- 23
24 a. Display On – Detector indicator lights shall operate consistent with their
25 respective switches.
26
27 b. Display Off – detector indicator lights shall be de-energized.

28
29 A means of disconnecting all wiring entering the panel shall be provided. The
30 disconnect shall include a means to jumper detection calls when the display panel is
31 disconnected. All switches on the panel shall be marked with its associated Plan
32 detector number. All markers shall be permanent.

33
34 **9-29.13(7)E Type 170E, 170E-HC-11, 2070, 2070 Lite, ATC Controller Cabinets**

35 The following new title is inserted after the fifth sentence in the first paragraph:

36
37 **9-29.13(7)F Ramp Meter, Traffic Data, and Warning Sign Cabinets**

38
39 **9-29.16(1)A1 Conventional Optical System**

40 This section's title is revised to read:

41
42 **9-29.16(1)A1 Non-LED Optical System**

43
44 **9-29.16(1)D1 Electrical - Conventional**

45 This section's title is revised to read:

46
47 **9-29.16(1)D1 Electrical – Non-LED**

48
49 **9-29.24 Service Cabinets**

50 In the first paragraph, the lettered items A-J are re-lettered to read B-K respectfully.

51
52 The first paragraph is supplemented with the following new lettered item:
53

1 A. Display an arc flash warning label that meets the requirements of ANSI Z535.

2
3 **9-29.25 Amplifier, Transformer, and Terminal Cabinets**

4 In item No. 2.C., "Transformer 23.1 to 12.5 KVA" is revised to read "Transformer 3.1 to 12.5
5 KVA" and the height column value of 40" is revised to read "48".

6
7 The first and second sentences in the first paragraph are revised to read:

8
9 Amplifier and terminal and transformer cabinets shall be NEMA 3R and the following:

10
11 Item number 5 is revised to read:

12
13 5. All cabinets shall provide a gasketed door flange

14
15 Item number 7 is revised to read:

16
17 7. Insulated terminal blocks shall be 600 volt, heavy-duty, barrier type. The terminal
18 blocks shall be provided with a field-side and a control-side connector separated by a
19 marker strip. One spare 12-position insulated terminal block shall be installed in each
20 terminal cabinet and amplifier cabinet.

21
22 Item number 8 is revised to read:

23
24 8. Each non-pad mounted Terminal, Amplifier and Transformer cabinet shall have 1/4
25 inch drain holes in back corners. Each pad mounted Terminal, Amplifier and
26 Transformer cabinet shall drain to a sump and through a 3/8 inch diameter drain pipe
27 to grade as detailed in the Standard Plans.

28
29 Item number 10 is revised to read:

30
31 10. Transformer cabinets shall have two separate compartments, one for the transformer
32 and one for the power distribution circuit breakers. Each compartment shall be
33 enclosed with a dead front. Each breaker shall be labeled with the device name by
34 means of a screwed or riveted engraved name plate.

35
36 **Section 9-34, Permanent Marking Material**

37 **April 2, 2012**

38 **9-34.2 Paint**

39 The second paragraph is revised to read:

40
41 Blue and black paint shall comply with the requirements for yellow paint in Section 9-
42 34.2(4) and Section 9-34.2(5), with the exception that blue and black paints do not need to
43 meet the requirements for titanium dioxide, directional reflectance, and contrast ration.

1 **SPECIAL PROVISIONS**

2
3 The following Special Provisions are made a part of this contract and supersede any conflicting
4 provisions of the 2012 Standard Specifications for Road, Bridge and Municipal Construction,
5 and the foregoing Amendments to the Standard Specifications.

6
7 Several types of Special Provisions are included in this contract; General, Region, Bridges and
8 Structures, and Project Specific. Special Provisions types are differentiated as follows:

- 9
- 10 (date) General Special Provision
- 11 (*****) Notes a revision to a General Special Provision
- 12 and also notes a Project Specific Special Provision.
- 13 (Regions1 date) Region Special Provision
- 14 (BSP date) Bridges and Structures Special Provision

15
16 **General Special Provisions** are similar to Standard Specifications in that they typically apply to
17 many projects, usually in more than one Region. Usually, the only difference from one project
18 to another is the inclusion of variable project data, inserted as a "fill-in".

19
20 **Region Special Provisions** are commonly applicable within the designated Region. Region
21 designations are as follows:

- 22
- 23 Regions1
- 24 ER Eastern Region
- 25 NCR North Central Region
- 26 NWR Northwest Region
- 27 OR Olympic Region
- 28 SCR South Central Region
- 29 SWR Southwest Region
- 30
- 31 WSF Washington State Ferries Division

32
33 **Bridges and Structures Special Provisions** are similar to Standard Specifications in that they
34 typically apply to many projects, usually in more than one Region. Usually, the only difference
35 from one project to another is the inclusion of variable project data, inserted as a "fill-in".

36
37 **Project Specific Special Provisions** normally appear only in the contract for which they were
38 developed.

39
40 **DIVISION 1 GENERAL REQUIREMENTS**

41
42 **DEFINITIONS AND TERMS**

43
44 **1-01.3 Definitions**

45 This Section is supplemented with the following:

46
47 (*****)
48 The venue of all causes of action arising from the advertisement, award, execution, and
49 performance of the contract shall be in the Superior Court of Grant County, Washington.

50
51 All references to "State" or "State of Washington" are changed to "Grant County,
52 Washington".

1 All references to "Commission", "Secretary of Transportation", or "Washington State
2 Transportation Commission", are changed to "Board of County Commissioners, Grant
3 County, Washington".
4

5 All references to "Department", or "Department of Transportation" are changed to
6 "Department of Public Works, Grant County, Washington".
7

8 All references to "Superior Court of Thurston County, Washington" are changed to
9 "Superior Court of Grant County, Washington".
10

11 **DESCRIPTION OF WORK**

12
13 (*****)

14 This contract provides for the construction of Traffic Control Devices – County Wide on two
15 lane county roads in Grant County, WA, and includes removing existing signs, installation of
16 signs, flexible guideposts, transverse rumble lines, flashing beacon, project temporary traffic
17 control and other work all in accordance with the attached Contract Plans, these Contract
18 Provisions and the Standard Specifications.
19

20 **BID PROCEDURES AND CONDITIONS**

21 22 **1-02.1 Prequalification of Bidders**

23 Delete this Section and replace it with the following:
24

25 1-02.1 Qualifications of Bidder

26
27 (*****)

28 Bidders must meet the minimum qualifications of RCW 39.04.350(1), as amended:
29

30 Before award of a public works contract, a bidder must meet the following responsibility
31 criteria to be considered a responsible bidder and qualified to be awarded a public works
32 project. The bidder must:
33

- 34 (a) At the time of bid submittal, have a certificate of registration in compliance with
35 chapter 18.27 RCW;
36 (b) Have a current state unified business identifier number;
37 (c) If applicable, have industrial insurance coverage for the bidder's employees working
38 in Washington as required in Title 51 RCW; an employment security department
39 number as required in Title 50 RCW; and a state excise tax registration number as
40 required in Title 82 RCW; and
41 (d) Not be disqualified from bidding on any public works contract under RCW 39.06.010
42 or 39.12.065(3).
43 (e) Bidders shall be qualified by experience, financing, equipment, and organization to
44 do the work called for in the Contract Documents. The Contracting Agency reserves
45 the right to take whatever action it deems necessary to ascertain the ability of the
46 bidder to perform the work satisfactorily. The Contracting Agency's actions may
47 include a pre-qualification procedure prior to the bidder being furnished a proposal
48 form on any contract, or a pre-award survey of the bidder's qualifications prior to
49 award.
50

51 **Preparation of Proposal**

52 Section 1-02.6 is supplemented with the following:
53

1 (August 2, 2004)

2 The fifth and sixth paragraphs of Section 1-02.6 are deleted.

3
4 **Public Opening Of Proposals**

5 Section 1-02.12 is supplemented with the following:

6
7 (*****)

8 *Date Of Opening Bids*

9 Sealed bids are to be received at the following location prior to the time specified:

10
11 The Office of the Board of County Commissioners, Grant County Courthouse, Room
12 207, 35 C St. NW, P.O. Box 37, Ephrata, WA 98823

13
14 The bid opening date for this project is **November 6, 2012**. Bids received will be publicly
15 opened and read after **1:30:59 P.M.** Pacific Time on this date.

16
17 **1-02.13 Irregular Proposals**

18 *(March 13, 2012 APWA GSP)*

19
20 Revise item 1 to read:

- 21
22 1. A proposal will be considered irregular and will be rejected if:
- 23 a. The Bidder is not prequalified when so required;
 - 24 b. The authorized proposal form furnished by the Contracting Agency is not used or
25 is altered;
 - 26 c. The completed proposal form contains any unauthorized additions, deletions,
27 alternate Bids, or conditions;
 - 28 d. The Bidder adds provisions reserving the right to reject or accept the award, or
29 enter into the Contract;
 - 30 e. A price per unit cannot be determined from the Bid Proposal;
 - 31 f. The Proposal form is not properly executed;
 - 32 g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable,
33 as required in Section 1-02.6;
 - 34 h. The Bidder fails to submit or properly complete a Disadvantaged Business
35 Enterprise Certification, if applicable, as required in Section 1-02.6;
 - 36 i. The Bidder fails to submit written confirmation from each DBE firm listed on the
37 Bidder's completed DBE Utilization Certification that they are in agreement with
38 the bidders DBE participation commitment, if applicable, as required in Section 1-
39 02.6, or if the written confirmation that is submitted fails to meet the requirements
40 of the Special Provisions;
 - 41 j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as
42 required in Section 1-02.6, or if the documentation that is submitted fails to
43 demonstrate that a Good Faith Effort to meet the Condition of Award was made;
 - 44 k. The Bid Proposal does not constitute a definite and unqualified offer to meet the
45 material terms of the Bid invitation; or
 - 46 l. More than one proposal is submitted for the same project from a Bidder under
47 the same or different names.

48
49 **1-02.14 Disqualification of Bidders**

50 *(March 25, 2009 APWA GSP, Option B)*

1 Delete this Section and replace it with the following:

2
3 A Bidder will be deemed not responsible if:

- 4 1. the Bidder does not meet the mandatory bidder responsibility criteria in
- 5 RCW 39.04.350(1), as amended; or
- 6 2. evidence of collusion exists with any other Bidder or potential Bidder.
- 7 Participants in collusion will be restricted from submitting further bids; or
- 8 3. the Bidder, in the opinion of the Contracting Agency, is not qualified for
- 9 the work or to the full extent of the bid, or to the extent that the bid
- 10 exceeds the authorized prequalification amount as may have been
- 11 determined by a prequalification of the Bidder; or
- 12 4. an unsatisfactory performance record exists based on past or current
- 13 Contracting Agency work or for work done for others, as judged from the
- 14 standpoint of conduct of the work; workmanship; or progress; affirmative
- 15 action; equal employment opportunity practices; termination for cause; or
- 16 Disadvantaged Business Enterprise, Minority Business Enterprise, or
- 17 Women's Business Enterprise utilization; or
- 18 5. there is uncompleted work (Contracting Agency or otherwise), which in
- 19 the opinion of the Contracting Agency might hinder or prevent the prompt
- 20 completion of the work bid upon; or
- 21 6. the Bidder failed to settle bills for labor or materials on past or current
- 22 contracts, unless there are extenuating circumstances acceptable to the
- 23 Contracting Agency; or
- 24 7. the Bidder has failed to complete a written public contract or has been
- 25 convicted of a crime arising from a previous public contract, unless there
- 26 are extenuating circumstances acceptable to the Contracting Agency; or
- 27 8. the Bidder is unable, financially or otherwise, to perform the work, in the
- 28 opinion of the Contracting Agency; or
- 29 9. there are any other reasons deemed proper by the Contracting Agency.

30
31 As evidence that the Bidder meets the bidder responsibility criteria above, the apparent
32 two lowest Bidders must submit to the Contracting Agency within 24 hours of the bid
33 submittal deadline, documentation (sufficient in the sole judgment of the Contracting
34 Agency) demonstrating compliance with all applicable responsibility criteria, including all
35 documentation specifically listed in the supplemental criteria. The Contracting Agency
36 reserves the right to request such documentation from other Bidders as well, and to
37 request further documentation as needed to assess bidder responsibility.

38
39 The basis for evaluation of Bidder compliance with these supplemental criteria shall be
40 any documents or facts obtained by Contracting Agency (whether from the Bidder or
41 third parties) which any reasonable owner would rely on for determining such
42 compliance, including but not limited to: (i) financial, historical, or operational data from
43 the Bidder; (ii) information obtained directly by the Contracting Agency from owners for
44 whom the Bidder has worked, or other public agencies or private enterprises; and (iii)
45 any additional information obtained by the Contracting Agency which is believed to be
46 relevant to the matter.

47
48 If the Contracting Agency determines the Bidder does not meet the bidder responsibility
49 criteria above and is therefore not a responsible Bidder, the Contracting Agency shall
50 notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees
51 with this determination, it may appeal the determination within 24 hours of receipt of the
52 Contracting Agency's determination by presenting its appeal to the Contracting Agency.
53 The Contracting Agency will consider the appeal before issuing its final determination. If
54 the final determination affirms that the Bidder is not responsible, the Contracting Agency

1 will not execute a contract with any other Bidder until at least two business days after the
2 Bidder determined to be not responsible has received the final determination.

3 4 **AWARD AND EXECUTION OF CONTRACT**

5 6 **Contract Bond**

7 Section 1-03.4 is supplemented with the following:

8
9 (June 27, 2011)

10 Release of Contract Bond will be 60 days following Contracting Agency Final
11 Acceptance of Contract, provided following conditions are met:

- 12
- 13 1. Payment to the State with respect to taxes imposed pursuant to Title 82,
14 RCW on Contracts totaling more than \$35,000, a release has been obtained
15 from the Washington State Department of Revenue.
- 16 2. Affidavits of Wages Paid for the Contractor and all Subcontractors are on file
17 with the Contracting Agency (RCW 39.12.040).
- 18 3. A certificate of Payment of Contributions Penalties and Interest on Public
19 Works Contract is received from the Washington State Employment Security
20 Department.
- 21 4. Washington State Department of Labor & Industries (per Section 1-07.10)
22 shows the Contractor, Subcontractor(s) and any lower tier Subcontractor(s)
23 are current with payments of industrial insurance and medical aid premiums.
- 24 5. All claims, as provided by law, filed against the Contract Bond have been
25 resolved.

26 27 **CONTROL OF WORK**

28 29 **1-05.13 Superintendents, Labor and Equipment of Contractor**

30
31 (*****)

32 Revise the seventh paragraph to read:

33
34 Whenever the Contracting Agency evaluates the Contractor's qualifications pursuant to
35 Section 1-02.1 and 1-02.14, it will take these performance reports into account.

36 37 **Cooperation With Other Contractors**

38 Section 1-05.14 is supplemented with the following:

39
40 (March 13, 1995)

41 *Other Contracts Or Other Work*

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

- 45
- 46 *** 1. Utility relocations and/or normal maintenance work by telephone and
47 power companies.
- 48 2. Normal maintenance work by Grant County Road crews.
- 49 3. Normal maintenance work by irrigation district crews. ***
- 50

51 52 **CONTROL OF MATERIAL**

53 Section 1-06 is supplemented with the following:

1
2 **Buy America**

3
4 (August 6, 2012)

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

10
11 Minor amounts of foreign steel and iron may be utilized in this project provided the cost
12 of the foreign material used does not exceed one-tenth of one percent of the total
13 contract cost or \$2,500.00, whichever is greater.

14
15 American-made material is defined as material having all manufacturing processes
16 occurring domestically. To further define the coverage, a domestic product is a
17 manufactured steel material that was produced in one of the 50 States, the District of
18 Columbia, Puerto Rico, or in the territories and possessions of the United States.

19
20 If domestically produced steel billets or iron ingots are exported outside of the area of
21 coverage, as defined above, for any manufacturing process then the resulting product
22 does not conform to the Buy America requirements. Additionally, products
23 manufactured domestically from foreign source steel billets or iron ingots do not
24 conform to the Buy America requirements because the initial melting and mixing of
25 alloys to create the material occurred in a foreign country.

26
27 Manufacturing begins with the initial melting and mixing, and continues through the
28 coating stage. Any process which modifies the chemical content, the physical size or
29 shape, or the final finish is considered a manufacturing process. The processes include
30 rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The
31 action of applying a coating to steel or iron is deemed a manufacturing process.
32 Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other
33 coating that protects or enhances the value of steel or iron. Any process from the
34 original reduction from ore to the finished product constitutes a manufacturing process
35 for iron.

36
37 Due to a nationwide waiver, Buy America does not apply to raw materials (iron ore and
38 alloys), scrap (recycled steel or iron), and pig iron or processed, pelletized, and reduced
39 iron ore.

40
41 The following are considered to be steel manufacturing processes:

- 42
43 1. Production of steel by any of the following processes:
44
45 a. Open hearth furnace.
46
47 b. Basic oxygen.
48
49 c. Electric furnace.
50
51 d. Direct reduction.
52
53 2. Rolling, heat treating, and any other similar processing.
54

1 3. Fabrication of the products.

2
3 a. Spinning wire into cable or strand.

4
5 b. Corrugating and rolling into culverts.

6
7 c. Shop fabrication.

8
9 A certification of materials origin will be required for any items comprised of, or
10 containing, steel or iron construction materials prior to such items being incorporated
11 into the permanent work. The certification shall be on DOT Form 350-109EF provided
12 by the Engineer, or such other form the Contractor chooses, provided it contains the
13 same information as DOT Form 350-109EF.

14
15 **LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

16
17 **State Taxes**

18 The third paragraph of Section 1-07.2 is revised to read:

19
20 (June 27, 2011)

21 The Contracting Agency will release the Contract Bond only if the Contractor has
22 obtained from the State Department of Revenue a certificate showing that all Contract-
23 related taxes have been paid.

24
25 Section 1-07.2 is supplemented with the following:

26
27 (March 13, 1995)

28 The work on this contract is to be performed upon lands whose ownership obligates the
29 Contractor to pay Sales tax. The provisions of Section 1-07.2(1) apply.

30
31 **Load Limits**

32 Section 1-07.7 is supplemented with the following:

33
34 (March 13, 1995)

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

38
39 **Wages**

40
41 **General**

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

43
44 (January 10, 2012)

45 The Federal wage rates incorporated in this contract have been established by the
46 Secretary of Labor under United States Department of Labor General Decision No.
47 WA120001.

48
49 The State rates incorporated in this contract are applicable to all construction
50 activities associated with this contract.

51
52 **Requirements for Nondiscrimination**

53 Section 1-07.11 is supplemented with the following:

1
2 (January 3, 2011)
3 Requirement For Affirmative Action to Ensure Equal Employment Opportunity (Executive
4 Order 11246)
5

- 6 1. The Contractor's attention is called to the Equal Opportunity Clause and the
7 Standard Federal Equal Employment Opportunity Construction Contract
8 Specifications set forth herein.
9
10 2. The goals and timetables for minority and female participation set by the Office of
11 Federal Contract Compliance Programs, expressed in percentage terms for the
12 Contractor's aggregate work force in each construction craft and in each trade on
13 all construction work in the covered area, are as follows:
14

15 Women - Statewide

<u>Timetable</u>	<u>Goal</u>
Until further notice	6.9%

20 Minorities - by Standard Metropolitan Statistical Area (SMSA)

21
22 Spokane, WA:

23 SMSA Counties:

Spokane, WA	2.8
WA Spokane.	

26 Non-SMSA Counties
 3.0 |

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

30
31 Richland, WA

32 SMSA Counties:

Richland Kennewick, WA	5.4
WA Benton; WA Franklin.	

35 Non-SMSA Counties
 3.6 |

36 WA Walla Walla.

37
38 Yakima, WA:

39 SMSA Counties:

Yakima, WA	9.7
WA Yakima.	

42 Non-SMSA Counties
 7.2 |

43 WA Chelan; WA Douglas; WA Grant; WA Kittitas; WA
44 Okanogan.

45
46 Seattle, WA:

47 SMSA Counties:

Seattle Everett, WA	7.2
WA King; WA Snohomish.	

Tacoma, WA	6.2
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51 WA Pierce.

Non-SMSA Counties	6.1
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County Road Safety, CRP 11-04

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1 WA Clallam; WA Grays Harbor; WA Island; WA Jefferson;
2 WA Kitsap; WA Lewis; WA Mason; WA Pacific; WA San
3 Juan; WA Skagit; WA Thurston; WA Whatcom.
4

5 Portland, OR:

6 SMSA Counties:

7 Portland, OR-WA 4.5
8 WA Clark.

9 Non-SMSA Counties 3.8

10 WA Cowlitz; WA Klickitat; WA Skamania; WA
11 Wahkiakum.
12

13 These goals are applicable to each nonexempt Contractor's total on-site
14 construction workforce, regardless of whether or not part of that workforce is
15 performing work on a Federal, or federally assisted project, contract, or
16 subcontract until further notice. Compliance with these goals and time tables is
17 enforced by the Office of Federal Contract compliance Programs.
18

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

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

41
42 District Director
43 U.S. Department of Labor
44 Office of Federal Contract Compliance Programs
45 Seattle District Office
46 1111 Third Avenue, Suite 745
47 Seattle, WA 98101-3212
48

49 Additional information may be found at the U.S. Department of Labor website:
50 <http://www.dol.gov/ofccp/TAguides/ctaguide.htm>
51

- 52 4. As used in this Notice, and in the contract resulting from this solicitation, the
53 Covered Area is as designated herein.
54

1 Standard Federal Equal Employment Opportunity Construction Contract Specifications
2 (Executive Order 11246)

- 3
4 1. As used in these specifications:
- 5
 - 6 a. Covered Area means the geographical area described in the solicitation
 - 7 from which this contract resulted;
 - 8
 - 9 b. Director means Director, Office of Federal Contract Compliance
 - 10 Programs, United States Department of Labor, or any person to whom
 - 11 the Director delegates authority;
 - 12
 - 13 c. Employer Identification Number means the Federal Social Security
 - 14 number used on the Employer's Quarterly Federal Tax Return, U. S.
 - 15 Treasury Department Form 941;
 - 16
 - 17 d. Minority includes:
 - 18
 - 19 (1) Black, a person having origins in any of the Black Racial
 - 20 Groups of Africa.
 - 21
 - 22 (2) Hispanic, a fluent Spanish speaking, Spanish surnamed
 - 23 person of Mexican, Puerto Rican, Cuban, Central
 - 24 American, South American, or other Spanish origin.
 - 25
 - 26 (3) Asian or Pacific Islander, a person having origins in any
 - 27 of the original peoples of the Pacific rim or the Pacific
 - 28 Islands, the Hawaiian Islands and Samoa.
 - 29
 - 30 (4) American Indian or Alaskan Native, a person having
 - 31 origins in any of the original peoples of North America, and
 - 32 who maintain cultural identification through tribal affiliation
 - 33 or community recognition.
 - 34
- 35 2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a
- 36 portion of the work involving any construction trade, it shall physically include in
- 37 each subcontract in excess of \$10,000 the provisions of these specifications and
- 38 the Notice which contains the applicable goals for minority and female
- 39 participation and which is set forth in the solicitations from which this contract
- 40 resulted.
- 41
- 42 3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan
- 43 approved by the U.S. Department of Labor in the covered area either individually
- 44 or through an association, its affirmative action obligations on all work in the Plan
- 45 area (including goals and timetables) shall be in accordance with that Plan for
- 46 those trades which have unions participating in the Plan. Contractors must be
- 47 able to demonstrate their participation in and compliance with the provisions of
- 48 any such Hometown Plan. Each Contractor or Subcontractor participating in an
- 49 approved Plan is individually required to comply with its obligations under the
- 50 EEO clause, and to make a good faith effort to achieve each goal under the Plan
- 51 in each trade in which it has employees. The overall good faith performance by
- 52 other Contractors or Subcontractors toward a goal in an approved Plan does not
- 53 excuse any covered Contractor's or Subcontractor's failure to take good faith
- 54 effort to achieve the Plan goals and timetables.

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54
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.
 5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
 6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
 7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its action. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
 - 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

1 referred back to the Contractor by the union or, if referred, not employed
2 by the Contractor, this shall be documented in the file with the reason
3 therefor, along with whatever additional actions the Contractor may have
4 taken.

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

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

- 3
4 j. Encourage present minority and female employees to recruit other
5 minority persons and women and where reasonable, provide after school,
6 summer and vacation employment to minority and female youth both on
7 the site and in other areas of a Contractor's work force.
8
9 k. Validate all tests and other selection requirements where there is an
10 obligation to do so under 41 CFR Part 60-3.
11
12 l. Conduct, at least annually, an inventory and evaluation of all minority and
13 female personnel for promotional opportunities and encourage these
14 employees to seek or to prepare for, through appropriate training, etc.,
15 such opportunities.
16
17 m. Ensure that seniority practices, job classifications, work assignments and
18 other personnel practices, do not have a discriminatory effect by
19 continually monitoring all personnel and employment related activities to
20 ensure that the EEO policy and the Contractor's obligations under these
21 specifications are being carried out.
22
23 n. Ensure that all facilities and company activities are nonsegregated except
24 that separate or single-user toilet and necessary changing facilities shall
25 be provided to assure privacy between the sexes.
26
27 o. Document and maintain a record of all solicitations of offers for
28 subcontracts from minority and female construction contractors and
29 suppliers, including circulation of solicitations to minority and female
30 contractor associations and other business associations.
31
32 p. Conduct a review, at least annually, of all supervisors' adherence to and
33 performance under the Contractor's EEO policies and affirmative action
34 obligations.
35

36 8. Contractors are encouraged to participate in voluntary associations which assist
37 in fulfilling one or more of their affirmative action obligations (7a through 7p). The
38 efforts of a contractor association, joint contractor-union, contractor-community,
39 or other similar group of which the Contractor is a member and participant, may
40 be asserted as fulfilling any one or more of the obligations under 7a through 7p of
41 this Special Provision provided that the Contractor actively participates in the
42 group, makes every effort to assure that the group has a positive impact on the
43 employment of minorities and women in the industry, ensure that the concrete
44 benefits of the program are reflected in the Contractor's minority and female
45 work-force participation, makes a good faith effort to meet its individual goals and
46 timetables, and can provide access to documentation which demonstrate the
47 effectiveness of actions taken on behalf of the Contractor. The obligation to
48 comply, however, is the Contractor's and failure of such a group to fulfill an
49 obligation shall not be a defense for the Contractor's noncompliance.
50

51 9. A single goal for minorities and a separate single goal for women have been
52 established. The Contractor, however, is required to provide equal employment
53 opportunity and to take affirmative action for all minority groups, both male and
54 female, and all women, both minority and non-minority. Consequently, the

1 Contractor may be in violation of the Executive Order if a particular group is
2 employed in substantially disparate manner (for example, even though the
3 Contractor has achieved its goals for women generally, the Contractor may be in
4 violation of the Executive Order if a specific minority group of women is
5 underutilized).
6

7 10. The Contractor shall not use the goals and timetables or affirmative action
8 standards to discriminate against any person because of race, color, religion,
9 sex, or national origin.
10

11 11. The Contractor shall not enter into any subcontract with any person or firm
12 debarred from Government contracts pursuant to Executive Order 11246.
13

14 12. The Contractor shall carry out such sanctions and penalties for violation of these
15 specifications and of the Equal Opportunity Clause, including suspensions,
16 terminations and cancellations of existing subcontracts as may be imposed or
17 ordered pursuant to Executive Order 11246, as amended, and its implementing
18 regulations by the Office of Federal Contract Compliance Programs. Any
19 Contractor who fails to carry out such sanctions and penalties shall be in violation
20 of these specifications and Executive Order 11246, as amended.
21

22 13. The Contractor, in fulfilling its obligations under these specifications, shall
23 implement specific affirmative action steps, at least as extensive as those
24 standards prescribed in paragraph 7 of this Special Provision, so as to achieve
25 maximum results from its efforts to ensure equal employment opportunity. If the
26 Contractor fails to comply with the requirements of the Executive Order, the
27 implementing regulations, or these specifications, the Director shall proceed in
28 accordance with 41 CFR 60-4.8.
29

30 14. The Contractor shall designate a responsible official to monitor all employment
31 related activity to ensure that the company EEO policy is being carried out, to
32 submit reports relating to the provisions hereof as may be required by the
33 government and to keep records. Records shall at least include, for each
34 employee, their name, address, telephone numbers, construction trade, union
35 affiliation if any, employee identification number when assigned, social security
36 number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer),
37 dates of changes in status, hours worked per week in the indicated trade, rate of
38 pay, and locations at which the work was performed. Records shall be
39 maintained in an easily understandable and retrievable form; however, to the
40 degree that existing records satisfy this requirement, the Contractors will not be
41 required to maintain separate records.
42

43 15. Nothing herein provided shall be construed as a limitation upon the application of
44 other laws which establish different standards of compliance or upon the
45 application of requirements for the hiring of local or other area residents (e.g.,
46 those under the Public Works Employment Act of 1977 and the Community
47 Development Block Grant Program).
48

49 16. Additional assistance for Federal Construction Contractors on contracts
50 administered by Washington State Department of Transportation or by Local
51 Agencies may be found at:
52

53 Washington State Dept. of Transportation
54 Office of Equal Opportunity

1 P.O. Box 47314
2 310 Maple Park Ave. SE
3 Olympia, WA
4 98504-7314
5 Ph: 360-705-7090
6 Fax: 360-705-6801
7 <http://www.wsdot.wa.gov/equalopportunity/default.htm>
8

9 (May 7, 2012)

10 **Disadvantaged Business Enterprise Participation**

11 The Disadvantaged Business Enterprise (DBE) requirements of 49 CFR Part 26 apply
12 to this Contract. As such, the requirements of this Contract are to make affirmative
13 efforts to solicit DBEs, provide information on who submitted a Bid or quote and to
14 report DBE participation quarterly as described elsewhere in these Contract Provisions.
15 No preference will be included in the evaluation of Bids/Proposals, no minimum level of
16 DBE participation shall be required as a Condition of Award and Bids/Proposals may
17 not be rejected or considered non-responsive on that basis.
18

19 **DBE Goals**

20 No DBE goals have been assigned as part of this Contract.
21

22 **Affirmative Efforts to Solicit DBE Participation**

23 DBE firms shall have an equal opportunity to compete for subcontracts in which the
24 Contractor enters into pursuant to this Contract.
25

26 Contractors are encouraged to:
27

- 28 1. Advertise opportunities for Subcontractors or suppliers in a timely and
29 reasonably designed manner to provide notice of the opportunity to DBEs
30 capable of performing the Work. All advertisements should include a
31 Contract Provision encouraging participation by DBE firms. This may be
32 accomplished through general advertisements (e.g. newspapers, journals,
33 etc.) or by soliciting Bids/Proposals directly from DBEs.
34

35 Note: A Directory of Certified DBE Firms denoting the Description of
36 Work the DBE Contractors are certified to perform is available at:

37 www.omwbe.wa.gov/certification/index.shtml
38

39 The directory provides a plain language on the Description of
40 Work that the listed DBE's have been certified by the Office of
41 Minority and Women's Business Enterprises (OMWBE) to
42 perform.
43

- 44
- 45 2. Establish delivery schedules that encourage participation by DBEs and
46 other small businesses.
47
- 48 3. Participate with a DBE as a joint venture.
49

50 **DBE Eligibility/Selection of DBEs for Reporting Purposes Only**

51 Contractors may take credit for DBEs utilized on this Contract only if the firm is
52 certified for the Work being performed.
53

54 Absent a mandatory goal, all DBE participation that is attained on this project will

1 be considered as "race neutral" participation and shall be reported as such.

3 **Crediting DBE Participation for Reporting Purposes**

4 **Joint Venture**

5 When a DBE performs as a participant in a joint venture, only that portion of
6 the total dollar value of the Contract equal to the distinct, clearly defined
7 portion of the Work that the DBE performs with its own forces shall be credited.

9 **DBE Prime Contractor**

10 A DBE Prime Contractor may only take credit for that portion of the total dollar
11 value of the Contract equal to the distinct, clearly defined portion of the Work
12 that the DBE Prime Contractor performs with its own forces.

14 **DBE Subcontractor**

15 When a DBE firm participates as a Subcontractor, only that portion of the total
16 dollar value of the Contract equal to the distinct, clearly defined portion of the
17 Work that the DBE performs with its own forces shall be credited.

- 19 • Include the cost of supplies and materials obtained by the DBE for
20 the Work in the Contract including supplies purchased or equipment
21 leased by the DBE. However, you may not take credit supplies,
22 materials, and equipment the DBE Subcontractor purchases or
23 leases from the Prime Contractor or its affiliate. In addition, Work
24 performed by a DBE, utilizing resources of the Prime Contractor or its
25 affiliates shall not be credited.
- 27 • In very rare situations, a DBE firm may utilize equipment and/or
28 personnel from a non-DBE firm other than the Prime Contractor or its
29 affiliates. Should this situation arise the arrangement must be short-
30 term and have prior written approval from the Office of Equal
31 Opportunity (OEO). The arrangement must not impact a DBE firm's
32 ability to perform a Commercially Useful Function (CUF).
- 34 • Count the entire value of fees or commissions charged by a DBE firm
35 for providing a bona fide service, such as professional, technical,
36 consultant, managerial services, or for providing bonds or insurance.
- 38 • When a DBE subcontracts to another firm, the value of the
39 subcontracted Work may be counted as participation only if the
40 DBE's lower tier Subcontractor is also a DBE.
- 42 • When non-DBE Subcontractor further subcontracts to a lower-tier
43 Subcontractor or supplier who is a certified DBE, then that portion of
44 the Work further subcontracted may be credited as DBE participation,
45 so long as it is a distinct clearly defined portion of the Work that the
46 DBE is performing with its own forces.
- 47 • If a firm is not certified as a DBE at the time of the execution of the
48 contract, their participation cannot be counted toward any DBE goals.

50 **Trucking**

51 Use the following factors in determining DBE credit and whether a DBE
52 trucking company is performing a Commercially Useful Function (CUF):

- 54 1. The DBE must be responsible for the management and supervision

1 of the entire trucking operation for which credit is being claimed.

- 2
- 3 2. The DBE must itself own and, with its own workforce, operate at least
- 4 one fully licensed, insured, and operational truck used on the
- 5 Contract.
- 6
- 7 3. The DBE receives credit only for the value of the transportation
- 8 services it provides on the Contract using trucks it owns or leases,
- 9 licenses, insures, and operates with drivers it employs. For purposes
- 10 of this requirement a lease must indicate that the DBE has exclusive
- 11 use of and control over the truck. This does not preclude the leased
- 12 truck from working for others provided it is with the consent of the
- 13 DBE and the lease provides the DBE first priority for use of the
- 14 leased truck. Leased trucks must display the name and identification
- 15 number of the DBE.
- 16
- 17 4. The DBE may lease trucks from another DBE firm including an
- 18 owner-operator provided they are certified as a DBE for trucking. The
- 19 DBE who leases trucks from another DBE may claim participation for
- 20 the total value of the transportation services the lessee DBE provides
- 21 on the Contract.
- 22
- 23 5. The DBE may also lease trucks from a non-DBE firm and may enter
- 24 into an agreement with an owner-operator who is a non-DBE. The
- 25 DBE shall only receive credit for the number of additional non-DBE
- 26 trucks equal or less than the number of DBE trucks the firms owns or
- 27 has leased/subcontracted through another DBE trucking company.
- 28 The DBE must control the work of the non-DBE trucks. If the non-
- 29 DBE is performing the Work without supervision of that Work by the
- 30 DBE, the DBE is not performing a Commercially Useful Function
- 31 (CUF).
- 32
- 33 6. In any lease or owner-operator situation, as described in requirement
- 34 #4 and #5 above, the following rules shall apply:
- 35
- 36 A A written lease/rental agreement is required for all trucks
- 37 leased or rented; documenting the ownership and the terms
- 38 of the agreement. The agreements must be submitted and
- 39 approved by the Contracting Agency prior to the beginning
- 40 of the Work. The agreement must show the leaser's name,
- 41 truck description and agreed upon amount and method of
- 42 payment (hour, ton, or per load). All lease agreements shall
- 43 be for a long-term relationship, rather than for the individual
- 44 project. (This requirement does not apply to owner-operator
- 45 arrangements.)
- 46
- 47 b. Only the vehicle, (not the operator) may be leased or rented.
- 48 (This requirement does not apply to owner-operator
- 49 arrangements.)
- 50 7 Credit may only be claimed for DBE trucking firms operating under a
- 51 subcontract or a written agreement approved by the Contracting
- 52 Agency prior to performing Work.
- 53
- 54

Expenditures paid to other DBEs

1 Expenditures paid to other DBEs for materials or supplies may be counted
2 toward DBE goals as provided in the following:

3
4 **Manufacturer**

5 You may claim DBE credit for 100 percent of value of the materials or
6 supplies obtained from a DBE manufacturer.

7
8 A manufacturer is a firm that operates or maintains a factory or
9 establishment that produces, on the premises, the materials, supplies,
10 articles, or equipment required under the contract. A manufacturer shall
11 include firms that produce finished goods or products from raw or
12 unfinished material or that purchases and substantially alters goods and
13 materials to make them suitable for construction use before reselling
14 them.

15
16 In order to receive credit as a DBE Manufacturer, the firm must be certified
17 by OMWBE as a manufacturer in a NAICS code that falls within the
18 31XXXX to 33XXXX classification.

19
20 **Regular Dealer**

21 You may claim credit for 60 percent of the value of the materials or
22 supplies purchased from a DBE regular dealer. Rules applicable to
23 regular dealer status are contained in 49 CFR Part 26.55.e.2.

24
25 To be considered a regular dealer you must meet the following criteria:

- 26
27
- 28 1. WSDOT considers and recognizes a regular dealer, as a firm
29 that owns, operates, or maintains a store, warehouse, or other
30 establishment in which the materials or supplies required for the
31 performance of the Contract and described by the specifications
32 of the Contract are bought, kept in stock and regularly sold or
33 leased to the public in the usual course of business.
 - 34 2. Sixty percent (60%) of the cost of materials or supplies
35 purchased from an approved regular dealer may be credited as
36 DBE participation.
- 37

38 Regular dealer status is granted on a contract-by-contract basis. A firm
39 wishing to be approved as a regular dealer for WSDOT contracted
40 projects or Highways & Local Program administered projects must submit
41 a request in writing to the OEO no later than seven days prior to bid
42 opening.

43 Once the OEO has received the request, an onsite review will be set up
44 with the firm and a review conducted to determine the firm's qualifications.
45 If it is determined that the firm qualifies as a regular dealer the OEO will
46 list the firm on an approved regular dealers List. The list may be accessed
47 through the OEO Home website is at:
48 www.wsdot.wa.gov/equalopportunity

49
50 Note: Requests to be listed as a regular dealer will only be processed if
51 the requesting firm is certified by the Office of Minority and
52 Women's Business Enterprises in a NAICS code that fall within
53 the 42XXXX NAICS Wholesale code section.

1 **Materials or Supplies Purchased from a DBE**

2 With regard to materials or supplies purchased from a DBE who is neither
3 a manufacturer nor a regular dealer you may claim credit for the following:
4

- 5 1. Fees or commissions charged for assistance in the procurement
6 of the materials and supplies.
7
8 2. Fees or transportation charges for the delivery of materials or
9 supplies.
10

11 In either case, you may not take credit for any part of the cost of the
12 materials and supplies.
13

14 **Joint Checking Allowance**

15 Prime Contractors and DBEs must receive pre-approval by the OEO before
16 using a joint check. Joint check requests shall be submitted, by the Prime
17 Contractor to the Contracting Agency for approval.
18

19 When requesting approval for use of a joint checking allowance, the Contractor
20 must distribute a written joint check agreement among the parties (including
21 the suppliers involved) providing full and prompt disclosure of the expected
22 use of the joint checks. The agreement shall contain all the information
23 concerning the parties' obligations and consequences or remedies if the
24 agreement is not fulfilled or a breach occurs. The joint check request shall be
25 submitted to the Contracting Agency for approval prior to signing the Contract
26 agreement.
27

28 The following are some general conditions that must be met by all parties
29 regarding joint check use.
30

- 31 a. It is understood the Prime Contractor acts as the guarantor of a joint
32 check.
33
34 b. The DBE's own funds are used to pay supplier of materials. The
35 Prime Contractor does not make direct payment to supplier. In order
36 to be performing a Commercially Useful Function (CUF), the DBE
37 must release the check to the supplier (paying for the materials it-self
38 and not be an extra participant in a transaction).
39
40 c. If the Prime Contractor makes joint checks available to one DBE
41 Subcontractor, the service must be made available to all
42 Subcontractors (DBE and non-DBE).
43
44 d. The relationship between the DBE and its suppliers should be
45 established independently of and without interference by the Prime
46 Contractor. The DBE has final decision-making responsibility
47 concerning the procurement of materials and supplies, including
48 which supplier to use.
49
50 e. The Prime Contractor and DBE shall be able to provide receipts,
51 invoices, cancelled checks and/or certification statements of payment
52 if requested by the Contracting Agency.
53
54 f. The DBE remains responsible for all other elements of 49 CFR

1 26.55(c) (1).

2
3 Failure by the Prime Contractor to request and to receive prior approval of a
4 joint check arrangement will result in the joint check amount not counting
5 towards the Prime Contractor's DBE goal.
6

7 **Commercially Useful Function (CUF)**

8 In any case, you may only take credit when the associated DBE that is
9 determined to be performing a Commercially Useful Function (CUF).

- 10
11 ○ A DBE performs a CUF when it is responsible for execution of a
12 distinct element of Work and is carrying out its responsibilities by
13 performing, managing and supervising the Work involved. The DBE
14 must also be responsible with respect to materials and supplies used
15 on the Contract. For example; negotiating price, determining quality,
16 determining quantities, ordering, installing (if applicable) and paying
17 for the material itself.
18
19 ○ A DBE does not perform a CUF if its role is limited to that of an extra
20 participant in a transaction, Contract, or project through which funds
21 are passed.
22

23 **Procedures Between Award and Execution**

24 After award and prior to Execution of the Contract, the successful Bidder
25 shall provide additional information as described below. Failure to comply
26 may result in the forfeiture of the Bidder's Proposal bond or deposit.
27

28 A list of all firms who submitted a Bid or quote in an attempt to participate
29 in this project whether they were successful or not.

30
31 Include the correct business name, federal employer identification
32 number (optional) and a mailing address.
33

34 The firms identified by the Prime Contractor may be contacted by
35 Contracting Agency to solicit general information as follows:
36

- 37 1. Age of the firm.
38
39 2. Average of its gross annual receipts over the past three years.
40

41 **Procedures after Execution**

42 **Reporting**

43 **Quarterly Report of Amounts Credited as DBE Participation**
44 **Form #422-102**

45 The Prime Contractor shall submit a Quarterly Report of Amounts
46 Credited as DBE Participation form (422-102 EF) on a quarterly basis
47 for any calendar quarter in which DBE Work is accomplished or upon
48 completion of the project, as appropriate. This is a record of
49 payments to the DBE that the Prime Contractor is taking credit for as
50 DBE participation. The dollars reported as specified in Crediting DBE
51 Participation for Reporting Purposes section of this contract provision.
52

53 In the event that the payments to a DBE have been made by an entity
54 other than the Prime Contractor (as in the case of a lower-tier

1 Subcontractor or supplier), then the Prime Contractor shall obtain the
2 quarterly report, including the signed affidavit, from the paying entity
3 and submit the report to the Contracting Agency.
4

5 **Payment**

6 Compensation for all costs associated with complying with the conditions
7 of this specification shall be included in payment for the associated
8 Contract items of Work.
9

10 **Prompt Payment**

11 Prompt payment to all Subcontractors shall be in accordance with
12 Section 1-08.1(1) of the Contract Provisions.
13

14 **Damages for Noncompliance**

15 The Prime Contractor shall not discriminate on the basis of race, color,
16 national origin, or sex in the performance of this Contract. The Prime
17 Contractor shall carry out applicable requirements of 49 CFR Part 26 in
18 the award and administration of Contracts, which contain funding
19 assistance from the United States Department of Transportation. Failure
20 by the Prime Contractor to carry out these requirements is a material
21 breach of this Contract, which may result in the termination of this
22 Contract or such other remedy as the Contracting Agency deems appropriate.
23

24 **Federal Agency Inspection**

25 Section 1-07.12 is supplemented with the following:
26

27 **(July 30, 2012)**

28 **Required Federal Aid Provisions**

29 The Required Contract Provisions Federal Aid Construction Contracts (FHWA 1273)
30 Revised May 1, 2012 supersede any conflicting provisions of the Standard
31 Specifications and are made a part of this Contract; provided, however, that if any of
32 the provisions of FHWA 1273 are less restrictive than Washington State Law, then the
33 Washington State Law shall prevail.
34

35 The provisions of FHWA 1273 included in this Contract require that the Contractor
36 Insert the FHWA 1273 in each Subcontract, together with the wage rates which are
37 part of the FHWA 1273. Also, a clause shall be included in each Subcontract requiring
38 the Subcontractors to insert the FHWA 1273 thereto in any lower tier Subcontracts,
39 together with the wage rates. The Contractor shall also ensure that this section,
40 **REQUIRED FEDERAL AID PROVISIONS**, is inserted in each Subcontract for
41 Subcontractors and lower tier Subcontractors. For this purpose, upon request to the
42 Project Engineer, the Contractor will be provided with extra copies of the FHWA 1273,
43 the applicable wage rates, and this Special Provision.
44

45 **Contractor's Responsibility for Work**

46 **Repair of Damage**

47 Section 1-07.13(4) is revised to read:
48

49 **(August 6, 2001)**

50 The Contractor shall promptly repair all damage to either temporary or permanent work
51 as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1),
52 1-07.13(2), or 1-07.13(3), payment will be made in accordance with Section 1-04.4.
53

1 Payment will be limited to repair of damaged work only. No payment will be made for
2 delay or disruption of work.
3

4 **Protection and Restoration of Property**

5 Section 1-07.16 is supplemented with the following:
6

7 (*****)

8 **Notification**

9 The Contractor shall distribute a special notice to each project resident before beginning
10 flashing beacon work at the intersection of Road 5 NW and Adams Road. Project
11 resident means any person, company, or public agency having a driveway within a 2
12 mile radius of the intersection. The special notice shall contain the following information
13 and statements:
14

- 15 • Date of the notice.
- 16 • Project name, termini, and a description of the major phases of the work.
- 17 • Name of Contractor, Contractor's representative and 24 hour phone number.
- 18 • Scheduled project start and completion dates.
- 19 • Available detour routes.
- 20 • One-way traffic will be maintained during each working day.
- 21 • Two-way traffic will be restored at the end of each working day.
- 22 • All plants, trees, shrubs, gardens, sprinklers or structures within the limits of
23 construction will be removed. Residents are to be advised to remove such
24 property before work begins.
- 25 • Driveways will be restored to useable conditions at the end of each working day,
26 without exception.
- 27 • Mail service interruptions or relocations. Statement that the Contractor will
28 remove, temporarily relocate, and eventually reinstall mail receptacles.
29 Statement that mailboxes, posts, etc., damaged by the Contractor will be
30 replaced and installed at no charge to the resident.
- 31 • Possible problems with power, telephone, potable water, sewer, irrigation supply
32 relocations and/or interruptions, if any.
- 33 • Temporary fencing requirements for livestock, if any.
- 34 • Residents are responsible for driveway culvert maintenance.
- 35 • Request to irrigators to eliminate water on the roadway and in the borrow ditches
36 per Grant County Ordinance.
37

38 The Contractor must notify all affected Grant County agencies of the date and
39 anticipated length of all road closures, including school districts, fire districts, Multi-
40 Agency Communications Center (509) 762-1901, Sheriff's Dept. (509) 754-2011,
41 Emergency Management (509) 762-1462, and U.S. Postal Service offices.
42

43 The Contractor must place a "Notice of Road Construction" in the legal newspaper of
44 Grant County. All notices must be provided a minimum of three (3) working days prior to
45 beginning work. The County will not allow any work to be performed until the required
46 notices are made by the Contractor.
47

48 (*****)

49 **Payment**

50 The lump sum contract price for "Notification" shall be full compensation for all labor,
51 equipment, materials, and tools necessary to perform the work outlined in this
52 supplemental section.
53

1 **Utilities And Similar Facilities**

2 Section 1-07.17 is supplemented with the following:

3
4 (*****)

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

7
8 Public and private utilities, or their Contractors, will furnish all work necessary to adjust,
9 relocate, replace, or construct their facilities unless otherwise provided for in the Plans or
10 these Special Provisions. Such adjustment, relocation, replacement, or construction will
11 be done during the prosecution of the work for this project.

12
13 The Contractor shall call the Utility Location Request Center (One Call Center), for field
14 location, not less than two nor more than ten business days before the scheduled date
15 for commencement of excavation which may affect underground utility facilities, unless
16 otherwise agreed upon by the parties involved. A business day is defined as any day
17 other than Saturday, Sunday, or a legal local, State, or Federal holiday. The telephone
18 number for the One Call Center for this project is 1-800-424-5555. If no one-number
19 locator service is available, notice shall be provided individually to those owners known
20 to or suspected of having underground facilities within the area of proposed excavation.

21
22 The Contractor is alerted to the existence of Chapter 19.122 RCW, a law relating to
23 underground utilities. Any cost to the Contractor incurred as a result of this law shall be
24 at the Contractor's expense.

25
26 No excavation shall begin until all known facilities, in the vicinity of the excavation area,
27 have been located and marked.

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

- 32 • Grant County PUD, 30 C Street SW,
- 33 Ephrata, WA 98823, (509) 754-3451
- 34 • United States Bureau of Reclamation, 32 C Street NW,
- 35 Ephrata, WA 98823, (509) 754-0200
- 36 • Quincy-Columbia Basin Irrigation District, 1720 S. Central Ave.,
- 37 Quincy, WA 98848, (509) 787-3591
- 38 • Qwest, 904 N. Columbus
- 39 Spokane, WA 99202, (509) 455-2733
- 40 • Frontier Communications, 320 E Penny Rd.
- 41 Wenatchee, WA 98801 (509) 662-9262

42
43
44 **Public Convenience and Safety**

45
46 ***Construction Under Traffic***

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

48
49 **(January 2, 2012)**

50 **Work Zone Clear Zone**

51 The Work Zone Clear Zone (WZCZ) applies during working and nonworking
52 hours. The WZCZ applies only to temporary roadside objects introduced by the
53 Contractor's operations and does not apply to preexisting conditions or

1 permanent Work. Those work operations that are actively in progress shall be
2 in accordance with adopted and approved Traffic Control Plans, and other
3 contract requirements.

4
5 During nonworking hours equipment or materials shall not be within the WZCZ
6 unless they are protected by permanent guardrail or temporary concrete
7 barrier. The use of temporary concrete barrier shall be permitted only if the
8 Engineer approves the installation and location.

9
10 During actual hours of work, unless protected as described above, only
11 materials absolutely necessary to construction shall be within the WZCZ and
12 only construction vehicles absolutely necessary to construction shall be
13 allowed within the WZCZ or allowed to stop or park on the shoulder of the
14 roadway.

15
16 The Contractor's nonessential vehicles and employees private vehicles shall
17 not be permitted to park within the WZCZ at any time unless protected as
18 described above.

19
20 Deviation from the above requirements shall not occur unless the Contractor
21 has requested the deviation in writing and the Engineer has provided written
22 approval.

23
24 Minimum WZCZ distances are measured from the edge of traveled way and
25 will be determined as follows:

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

34 * or 2-feet beyond the outside edge of sidewalk

35 36 **Minimum Work Zone Clear Zone Distance**

37
38 (*****)

39 **Payment**

40 No additional compensation will be paid to the Contractor for any cost or expense
41 incurred as a result of the requirements of this provision and all costs shall be
42 considered incidental to and included in other applicable contract items.

43 44 **PROSECUTION AND PROGRESS**

45 46 **Subcontracting**

47 Section 1-08.1 is supplemented with the following:

48
49 (October 12, 1998)

50 Prior to any subcontractor or agent beginning work, the Contractor shall submit to the
51 Engineer a certification (WSDOT Form 420-004) that a written agreement between the
52 Contractor and the subcontractor or between the subcontractor and any lower tier
53 subcontractor has been executed. This certification shall also guarantee that these

1 subcontract agreements include all the documents required by the Special Provision
2 Federal Agency Inspection.
3

4 A subcontractor or lower tier subcontractor will not be permitted to perform any work
5 under the contract until the following documents have been completed and submitted to
6 the Engineer:
7

- 8 1. Request to Sublet Work (Form 421-012), and
- 9 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification
10 for Federal-aid Projects (Form 420-004).
11

12 The Contractor's records pertaining to the requirements of this Special Provision shall be
13 open to inspection or audit by representatives of the Contracting Agency during the life
14 of the contract and for a period of not less than three years after the date of acceptance
15 of the contract. The Contractor shall retain these records for that period. The Contractor
16 shall also guarantee that these records of all subcontractors and lower tier
17 subcontractors shall be available and open to similar inspection or audit for the same
18 time period.
19

20 **Subcontract Completion and Return of Retainage Withheld**

21 Section 1-08.1(1) is revised to read:
22

23 (June 27, 2011)

24 The following procedures shall apply to all subcontracts entered into as a part of this
25 Contract:
26

27 **Requirements**

- 28 1. The Prime Contractor or Subcontractor shall make payment to the
29 Subcontractor not later than ten (10) days after receipt of payment from the
30 Contracting Agency for work satisfactorily completed by the Subcontractor, to
31 the extent of each Subcontractor's interest therein.
32
- 33 2. Prompt and full payment of retainage from the Prime Contractor to the
34 Subcontractor shall be made within 30 days after Subcontractor's Work is
35 satisfactorily completed.
36
- 37 3. For purposes of this Section, a Subcontractor's work is satisfactorily
38 completed when all task and requirements of the Subcontract have been
39 accomplished and including any required documentation and material testing
40 .
41
- 42 4. Failure by a Prime Contractor or Subcontractor to comply with these
43 requirements may result in one or more of the following:
44
 - 45 a. Withholding of payments until the Prime Contractor or Subcontractor
46 complies
 - 47
 - 48 b. Failure to comply shall be reflected in the Prime Contractor's
49 Performance Evaluation
 - 50
 - 51 c. Cancellation, Termination, or Suspension of the Contract, in whole or in
52 part
53

1 d. Other sanctions as provided by the subcontractor or by law under
2 applicable prompt pay statutes.
3

4 **Conditions**

5 This clause does not create a contractual relationship between the Contracting
6 Agency and any Subcontractor as stated in Section 1-08.1. Also, it is not intended
7 to bestow upon any Subcontractor, the status of a third-party beneficiary to the
8 Contract between the Contracting Agency and the Contractor.
9

10 **Payment**

11 The Contractor will be solely responsible for any additional costs involved in
12 paying retainage to the Subcontractors. Those costs shall be incidental to the
13 respective Bid Items.
14

15
16 **Prosecution Of Work**

17
18 The first sentence of Section 1-08.4 is revised to read:

19
20 (*****)

21 The Contractor shall begin work on November 26, 2012, unless otherwise
22 approved by the Engineer.
23

24 **Time For Completion**

25
26 The third paragraph of Section 1-08.5 is revised to read:

27
28 (*****)

29 Contract time shall begin on the first working day. The first working day shall be
30 November 26, 2012, unless otherwise approved by the Engineer.
31

32 Section 1-08.5 is supplemented with the following:

33
34 (*****)

35 This project shall be physically completed within **125** working days.
36

37 Should the Contractor desire to perform work on any Saturday, Sunday, or Holiday
38 during the life of this contract, he shall request written permission from the Engineer after
39 submitting a new work schedule specifying the exact dates on which the work is to be
40 performed.
41

42 Should the Contractor desire to begin work before 6:30 am, or desire to work two
43 separate or overlapping shifts during a single 24 hour day, or desire to work a shift
44 longer than 10 hours in a single 24 hour day, he shall request written permission from
45 the Engineer after submitting a new work schedule specifying the exact dates on which
46 the requested work shifts are to be performed.
47

48 The Engineer will consider the Contractor's request and may either approve or deny any
49 or all working dates or shifts contained in the new progress schedule.
50

51 No additional compensation will be given the Contractor for any delays and costs
52 incurred because of this provision. All costs incurred shall be considered incidental to
53 and included in other applicable contract items.
54

1
2
3 **MEASUREMENT AND PAYMENT**

4
5 **Retainage**

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

7
8 **(June 27, 2011)**

9 **Vacant**

10
11 **TEMPORARY TRAFFIC CONTROL**

12
13 **General**

14 Section 1-10.1 is supplemented with the following:

15
16 **(August 2, 2004)**

17 The Contracting Agency will provide the following labor, equipment and/or materials
18 resources to the Contractor for use on the project. The Contractor will notify the Engineer
19 when each resource is to be utilized and will provide adequate notice that will allow any
20 necessary arrangements to be made.

21
22 ***** Class A Construction Signs as shown on the Construction Sign Plan *****

23
24 **Traffic Control Management**

25
26 **General**

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

29
30 **(December 1, 2008)**

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

34
35 The Northwest Laborers-Employers Training Trust
36 27055 Ohio Ave.
37 Kingston, WA 98346
38 (360) 297-3035

39
40 Evergreen Safety Council
41 401 Pontius Ave. N.
42 Seattle, WA 98109
43 1-800-521-0778 or (206) 382-4090

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

50
51 **Traffic Control Plans**

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

(*****)

The County has provided the Traffic Sign Plan and the applicable Standard "K" plan(s) for this project and said plan(s) are included in these specifications and is made part of this contract.

The work contemplated in this contract will require the Contractor to take special precautions in developing and implementing safe traffic control procedures in accordance with the MUTCD. The Contractor's attention is directed to WAC 296-155-305 as it relates to signing, signaling and flaggers. All questions concerning new standards should be directed to the Wash. State Dept. of Labor and Industries.

The Contractor will not be permitted to close any roadway within the project limits without requesting and being granted written approval by the Engineer. One way traffic must be kept open during working hours and two-way traffic restored at the end of each working day. Access to County road intersections, local farms and residences shall be kept open at all times.

Traffic Control Labor, Procedures and Devices

Traffic Control Devices

Construction Signs

Section 1-10.3(3)A is supplemented with the following:

(*****)

The required signs will be available to the Contractor at the Grant County Sign Shop, 124 Enterprise St. SE, Ephrata, WA, (509) 754-6085, on normal work days. The Contractor shall make arrangements with the Engineer at least ten working days prior to picking up the signs. The Contractor shall sign an itemized receipt at the time of acquisition.

Signs shall be returned to Grant County Sign Shop by the Contractor when their need has ceased as determined by the Engineer. The value of signs furnished by the Contracting Agency to the Contractor is fixed at \$10.00 per square foot. The value of such signs which are damaged or not returned as provided in Section 1-10.3(3)A will be deducted from payment due or to become due the Contractor.

Wood Sign Posts

Use the charts below to determine post size for Class A construction signs.

One Post Installation

<u>Post Size</u>	<u>Min. Sign Sq. Ft.</u>	<u>Max Sign Sq. Ft.</u>
4x4	-	16.0
4x6	17.0	20.0
6x6	21.0	25.0
6x8	26.0	31.0

Two Post Installation (For signs 5 feet or greater in width)

<u>Post Size</u>	<u>Min. Sign Sq. Ft.</u>	<u>Max Sign Sq. Ft.</u>
4x4	-	16.0

1	4x6	17.0	36.0
2	6x6	37.0	46.0
3	6x8	47.0	75.0 *

4
5 * The Engineer will determine the post size for signs greater than 75
6 square feet.

7
8 **Barricades**

9 Section 1-10.3(3)D is supplemented with the following:

10
11 (*****)

12 The barricades shall be Type III and constructed in accordance with the details shown in
13 the MUTCD and the Standard Plans. The barricade width shall be eight (8) feet.

14
15 As may be indicated in the Signing Plan, Traffic Control Plans, or the Contract
16 Provisions, the Contractor may be required to install signs, warning lights, or both, on
17 barricades

18
19 **Measurement**

20
21 Lump Sum Bid for Project (No Unit Items)
22 Section 1-10.4(1) is supplemented with the following:

23
24 (August 2, 2004)

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

27
28 **Payment**

29 Section 1-10.5(1) is supplemented with the following:

30
31 (*****)

32 The lump sum contract price for "Project Temporary Traffic Control" shall include all
33 costs incurred by the Contractor in placing and maintaining traffic control signs furnished
34 by the County and in furnishing, placing, and maintaining traffic control vehicles, traffic
35 control supervisor, traffic control labor including flaggers, two-way radios, eight (8) foot
36 wide Type III barricades, flashers, posts for signs and other equipment and materials in
37 accordance with the Traffic Control Plan and Section 1-10 of the Standard
38 Specifications. Progress payment for the lump sum item "Project Temporary Traffic
39 Control" will be made as follows:

- 40
41 1. When the initial temporary traffic control devices are set up, fifty (50) percent
42 of the amount bid for the item will be paid.
43 2. Payment for the remaining fifty (50) percent of the amount bid for the item will
44 be paid on a prorated basis in accordance with the total job progress as
45 determined by progress payments.

46
47 **DIVISION 2 EARTHWORK**

48
49 **REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

50
51 **Description**

52 Section 2-02.1 is supplemented with the following:

1
2 (March 13, 1995)
3 This work shall consist of removing miscellaneous traffic items.

4
5 **Construction Requirements**

6 Section 2-02.3 is supplemented with the following:

7
8 **(March 13, 1995)**

9 **Removing Miscellaneous Traffic Items**

10 The following miscellaneous traffic items shall be removed and disposed of:

11
12 *** Existing Flexible Guidepost removal (Approximate):

13	Beverly Burke Road -	18 Guideposts,
14	Adams Road -	9 Guideposts,
15	Dodson Road -	19 Guideposts,
16	RD 5-NW / RD U-NW -	29 Guideposts,
17	Sagebrush Flats Road -	19 Guideposts,
18	Stratford Road -	1 Guidepost,
19	Pinto Ridge Road -	7 Guideposts.

20 ***

21 **Payment**

22 Section 2-02.5 is supplemented with the following:

23
24 (September 30, 1996)

25 "Removing Miscellaneous Traffic Item", lump sum.

26
27 **DIVISION 8 MISCELLANEOUS CONSTRUCTION**

28
29 **ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, AND ELECTRICAL**

30
31 **Materials**

32 Section 8-20.2 is supplemented with the following:

33
34 **Light And Signal Standards**

35 Section 9-29.6 is supplemented with the following:

36
37 **(August 6, 2012)**

38 **Traffic Signal Standards**

39 Traffic signal standards shall be furnished and installed in accordance with the
40 methods and materials noted in the applicable Standard Plans, pre-approved plans, or
41 special design plans.

42
43 All welds shall comply with the latest AASHTO Standard Specifications for Structural
44 Supports for Highway Signs, Luminaires and Traffic Signals. Welding inspection shall
45 comply with Section 6-03.3(25)A Welding Inspection.

46
47 Hardened washers shall be used with all signal arm connecting bolts instead of
48 lockwashers. All signal arm AASHTO M 164 connecting bolts tightening shall comply
49 with Section 6-03.3(33).

50
51 Traffic signal standard types and applicable characteristics are as follows:
52

1 Type PPB Pedestrian push button posts shall conform to Standard Plan J-
2 20.10 or to one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal Supply Inc.	NWS 3540 Rev. 2 and NWS 3540B Rev. 2
Valmont Ind. Inc.	DB00655 Rev. J Sheet's 1, 2 & 3
Ameron Pole Prod. Div.	WA10TR-1 & WAPPBPBA
Union Metal Corp.	TA-10035 Rev. R6 Sht. 1
West Coast Engineering Group	WSDOT-PP-01 Rev. 1
KW Industries	10-200-PED-1 Rev. 7, Sheets 1, 2 and 3

23 Type PS Pedestrian signal standards shall conform to Standard Plan J-20.16
24 or to one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal Supply Inc.	NWS 3540 Rev. 2 and NWS 3540B Rev. 2
Valmont Ind. Inc.	DB00655 Rev.J Sht. 1, 2 & 3
Ameron Pole Prod. Div.	WA10TR-1 & WA10TR-2
Union Metal Corp.	TA-10025 Rev. R17 Sht. 1 & 2
West Coast Engineering Group	WSDOT-PP-02 Rev. 1
American Pole Structures, Inc.	WS-PP-03 Rev. 1D
KW Industries	10-200-PED-1 Rev. 7, Sheets 1, 2 and 3

48 Type I Type I vehicle signal standards shall conform to Standard Plan J-
49 21.15 or to one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal Supply Inc.	NWS 3540 Rev. 2 and NWS 3540B Rev. 2

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Valmont Ind. Inc. DB00655 Rev. J
Sht. 1 2 & 3

Ameron Pole WA10TR-1 & WA10TR-2
Prod. Div

Union Metal Corp. TA-10025 Rev. R17
Sht. 1 & 2

West Coast
Engineering Group WSDOT-PP-02 Rev. 1

American Pole WS-PP-03 Rev. 1D
Structures, Inc.

KW Industries 10-200-PED-1
Rev. 7, Sheets 1, 2 and 3

Type FB Type FB flashing beacon standard shall conform to Standard Plan J-21.16 or the following pre-approved plan:

<u>Fabricator</u>	<u>Drawing No.</u>
Union Metal Corp	50200-B58 Rev. R6 Sht. 1 & 2

Valmont Ind. Inc. DB00655 Rev. J
Sht. 1 2 & 3

Ameron Pole WA10TR-1 & WA10TR-2
Prod. Div.

Northwest Signal NWS 3540 Rev. 2 and
Supply, Inc. NWS 3540B Rev. 2

KW Industries 10-200-PED-1
Rev. 7, Sheets 1, 2 and 3

Type RM Type RM ramp meter standard shall conform to Standard Plan J-22.15 or the following pre-approved plan:

<u>Fabricator</u>	<u>Drawing No.</u>
Union Metal Corp	50200-B58 Rev. R6 Sht. 1 & 2

Valmont Ind. Inc. DB00655 Rev. J
Sht. 1 2 & 3

Ameron Pole WA10TR-1 & WA10TR-2
Prod. Div.

Northwest Signal NWS 3540 Rev. 2 and
Supply, Inc. NWS 3540B Rev. 2

KW Industries 10-200-PED-1
Rev. 7, Sheets 1, 2 and 3

Type CCTV Type CCTV camera pole standards shall conform to one of the following pre-approved Plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Valmont Industries, Inc.	DB 00759 Rev. L
Ameron Pole Product Div.	W6CCTV1 Rev F & W6CCTV2 Rev A
West Coast Engineering Group	AP-WSDOT-CP-01-Rev. 3
American Pole Structures, LLC	WS-CP-01 Rev. 1C Sht. 1 & 2
Union Metal Corporation	Drawing No. P33-B318, R10 Sheets 1, 2 of 2
Union Metal Corporation	Drawing No. P33-B323, Rev. 3 Sheets 1, 2 of 2
Northwest Signal Supply, Inc.	Drawing No. NWS 3545 (For Type CCTV) Rev. 1
KW Industries	Drawing No. 10-200-CAM-1 Rev. 6, Sheets 1 and 2

Type II Characteristics:

Luminaire mounting height	N.A.
Luminaire arms	N.A.
Luminaire arm length	N.A.
Signal arms	One Only

Type II standards shall conform to one of the following pre-approved plans, provided all other requirements noted herein have been satisfied. Maximum (x) (y) (z) signal arm loadings in cubic feet are noted after fabricator.

<u>Signal Arm Length (max)</u>	<u>Fabricator-(x) (y) (z)</u>	<u>Drawing No.</u>
65 ft.	Valmont Ind. Inc.-(2894)	DB00625-Rev.R, Shts. 1, 2,3 & 4
65 ft.	Union Metal Corp. (2900)	71026-B86 Rev. R9 Shts. 1, 2, & 3
65 ft.	Ameron Pole-(2900) Prod. Div.	W3724-1 Rev. J & W3724-2 Rev.G
65 ft.	Northwest Signal-(2802) Supply Inc.	NWS 3500 Rev. 4 or NWS 3500B Rev. 4

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45 ft.	American Pole(1875) Structures, Inc.	WS-T2-L Rev. 8 Sheet 1 & 2 of 2
65 ft.	American Pole (2913) Structures, Inc.	WS-T2-H Rev. 8 Sheets 1 & 2 of 2
65 ft.	KW Industries	10-200-TSP-4 Rev. 5, Sheets 1, 2, and 3
65 ft	West Coast Engineering Group	WSDOT-TS-01 Rev. 3 Sheets 1, 2, and 3
65 ft.	Maico Industries (2894)	WSDOTMA Rev. 3 Sheets 1, 2 and 3

Type III	Characteristics:	
	Luminaire mounting height	30 ft., 35 ft., 40 ft., or 50 ft.
	Luminaire arms	One Only
	Luminaire arm type	Type 1
	Luminaire arm length (max.)	16 ft.
	Signal arms	One Only

Type III standards shall conform to one of the following pre-approved plans, provided all other requirements noted herein have been satisfied. Maximum (x) (y) (z) signal arm loadings in cubic feet are noted after fabricator.

<u>Signal Arm Length (max)</u>	<u>Fabricator-(x) (y) (z)</u>	<u>Drawing No.</u>
65 ft.	Valmont Ind. Inc.-(2947)	DB00625-Rev.R, Shts. 1, 2, 3 & 4 and "J" luminaire arm
65 ft.	Union Metal Corp. (2900)	71026-B87 Rev. R11 Shts. 1, 2 & 3
65 ft.	Ameron Pole-(2900) Prod. Div.	W3724-1 Rev. J & W3724-2 Rev. G and "J" luminaire arm
65 ft.	Northwest Signal-(2802) Supply Inc.	NWS 3500 Rev. 4 or NWS 3500B Rev. 4
45 ft.	American Pole (1875) Structures, Inc.	WS-T3J-L, Rev. 11 Sheets 1 & 2 of 2

1	65 ft.	American Pole (2913) Structures, Inc.	WS-T3J-H, Rev. 10 Sheets 1 & 2 of 2
2			
3			
4	65 ft.	West Coast Engineering Group	WSDOT-TS-01 Rev. 3 Sheets 1, 2, and 3
5			
6			
7	65 ft.	Maico Industries (2947)	WSDOTMA Rev. 3 Sheets 1, 2 and 3 and "J" luminaire arm
8			
9			
10			
11	65 ft.	KW Industries	10-200-TSP-3 Rev. 5, Sheets 1, 2, and 3
12			

13
14 Type IV Type IV strain pole standards shall be consistent with details in the
15 plans and Standard Plan J-7c or one of the following pre-approved
16 plans:

<u>Fabricator</u>	<u>Drawing No.</u>
18 Northwest Signal 19 Supply Inc.	NWS 3520 Rev. 2 or NWS 3520B Rev. 2,
20	
21	
22 Valmont Industries, Inc.	DB006885, Rev. A 23 Sheets 1 and 2
24	
25 Ameron Pole 26 Prod. Div.	M3650 Rev. G
27	
28 Union Metal Corp.	EA-10224 Rev. R13 29 Sheet 1 of 1
30	
31 American Pole 32 Structures, Inc.	9000-12-037 Rev. A
33	
34 Maico Industries	WA-SP-4 Rev.2, Sheets 1 and 2 of 2
35	
36 KW Industries	10-200-SP-1 Rev. 4, 37 Sheets 1 and 2
38	
39 KW Industries	10-200-SP-2 Rev. 5, 40 Sheets 1 and 2
41	

42 Type V Type V combination strain pole and lighting standards shall be
43 consistent with details in the plans and Standard Plan J-7c or one of
44 the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
46 Northwest Signal 47 Supply Inc.	NWS 3520 Rev. 2 or NWS 3520B Rev. 2
48	
49	
50 Valmont Industries, Inc.	DB006885, Rev. A 51 Sheets 1 and 2
52	
53 Ameron Pole 54 Prod. Div.	M3650 Rev. G

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Union Metal Corp.	EA-10225, Rev. R13 Shts. 1 & 2
American Pole Structures, Inc.	9020-12-007 Rev. B
Maico Industries	WA-SP-5 Rev. 2 , Sheets 1, 2 & 3 and "J" luminaire arm

The luminaire arm shall be Type 1, 16 foot maximum and the luminaire mounting height shall be 40 feet or 50 feet as noted in the plans.

Type SD Type SD standards require special design. All special design shall be based on the latest AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals and pre-approved plans and as follows:

1. A 90 mph wind loading shall be used.
2. The Design Life and Recurrence Interval shall be 50 years for luminaire support structures.
3. Fatigue design shall conform to AASHTO Section 11, Table 11-1 using fatigue category III.

Complete calculations for structural design, including anchor bolt details, shall be prepared by a Professional Engineer, licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural Engineering or by an individual holding valid registration in another state as a civil or structural Engineer.

All shop drawings and the cover page of all calculation submittals shall carry the Professional Engineer's original signature, date of signature, original seal, registration number, and date of expiration. The cover page shall include the contract number, contract title, and sequential index to calculation page numbers. Two copies of the associated design calculations shall be submitted for approval along with shop drawings.

Details for handholes and luminaire arm connections are available from the Bridges and Structures Office.

Foundations for various types of standards shall be as follows:

Type PPB	As noted on Standard Plan J-20.10.
Type PS	As noted on Standard Plan J-21.10-02
Type I	As noted on Standard Plan J-21.10-02
Type FB	As noted on Standard Plan J-21.10-02
Type RM	As noted on Standard Plan J-21.10-02
Type CCTV	As noted on Standard Plan J-29.15-00
Type II	As noted in the Plans.
Type III	As noted in the Plans.

1 Type IV As noted in the Plans and Standard Plan J-7c.
2 Type V As noted in the Plans and Standard Plan J-7c.
3 Type SD As noted in the Plans.
4

5 **Service Cabinets**

6 Section 9-29.24 is supplemented with the following:

7
8 (*****)

9 In accordance with the requirements of the Grant County P.U.D., meter bases shall be
10 one of the following models;

<u>BRAND</u>	<u>MODEL</u>
Circle AW	U204
Millbank	U7018-XL-W

11
12
13
14
15
16 **Equipment List And Drawings**

17 Section 8-20.2(1) is supplemented with the following:

18
19 (March 13, 1995)

20 If traffic signal standards, strain pole standards, or combination traffic signal and
21 lighting standards are required, final verified dimensions including pole base to signal
22 mast arm connection point, pole base to light source distances (H1), mast arm length,
23 offset distances to mast arm mounted appurtenances, and orientations of pole
24 mounted appurtenances will be furnished by the Engineer as part of the final approved
25 shop drawings prior to fabrication.
26

27 **Payment**

28 Section 8-20.5 is supplemented with the following:

29
30 (*****)

31 "Flashing Beacon System", Lump Sum.
32

33 **PERMANENT SIGNING**

34
35 **Construction Requirements**

36 Section 8-21.3(2) is supplemented with the following:

37
38 (*****)

39 Where detailed in the plans and staked by the Engineer, sign posts shall be installed in
40 accordance with the applicable WSDOT Standard Plans. The Contractor shall verify
41 ground conditions for each new sign location as staked by the Engineer.
42

43 The Contractor shall call in locates in advance of any excavation work per applicable
44 State Laws; at least 2 business days in advance. 1-800-424-5555. Any delay(s) to the
45 project stemming from failure to properly arrange locates shall be the responsibility of
46 the Contractor.
47

48 All existing signs and hardware removed during the project shall be salvaged in the
49 best condition possible and delivered to the Grant County Sign Shop, 124 Enterprise
50 St. SE, Ephrata, WA, Monday through Friday, between the hours of 7:00AM and
51 3:00PM.
52

53 Existing posts removed during the project shall become the property of the Contractor.

1 All sign post lengths shall be determined by the Contractor and approved by the
2 Engineer prior to installation.
3
4

5 **Measurement**

6 Section 8-21.4 is supplemented with the following:

7
8 (*****)

9 Removal and installation of permanent signs will be measured by the unit per each.
10

11 **Payment**

12 Section 8-21.5 is supplemented with the following:

13
14 (*****)

15 Payment will be made in accordance with Section 1-04.1, for each of the following bid
16 items that are included in the Proposal:

- 17 "Remove Existing Warning Sign & Post", per each.
- 18 "R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6"
- 19 "Wooden Post", per each.
- 20 "30" Warning Sign with 4"x4" Wooden Post", per each.
- 21 "W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post", per each.
- 22 "W1-8, Chevron 18"x24" with 4"x4" Wooden Post", per each.
- 23 "W3-1, Stop Ahead Symbol 36"x36" with 4"x6" Wooden Post", per each.
- 24 "W13-1P, 24"x24" ", per each.

25
26
27 The unit contract price per each shall be full pay to complete the work as specified by
28 the contract and as staked by the Engineer.
29

30 **PAVEMENT MARKING**

31
32 **Materials**

33 Section 8-22.2 is supplemented with the following:

34
35 (*****)

36 Transverse rumble lines shall be Type D – Liquid Cold Applied Methyl Methacrylate.
37 The Type designation shall be Type D-2 or Type D-5.
38

39 **Construction Requirements**

40 **Marking Application**

41 **Application Thickness**

42 The first table in Section 8-22.3(3)F is supplemented with the following:
43
44

(*****)

Marking Material Application		HMA	PCC	BST	Groove
Type D – Transverse Rumble Line	Spray	250	250	250	

45
46 **Measurement**

47 Section 8-22.4 is supplemented with the following:

48
49 (*****)

50 Transverse rumble line will be measured by the linear foot for actual material placed
51 and accepted.

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Payment

Section 8-22.5 is supplemented with the following:

(*****)

“Transverse Rumble line”, per linear foot.

STANDARD PLANS

August 6, 2012

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M41-10 transmitted under Publications Transmittal No. PT 12-001, effective August 6, 2012 is made a part of this contract.

INFORMATIONAL COPY

INFORMATIONAL COPY

PROPOSAL

To: Board of County Commissioners
Grant County, Washington

Date: _____, 2012

This certifies that the undersigned has examined the location of **County Road Safety, CRP 11-04, in Grant County, Washington**, and that the plans, specifications and contract governing the work embraced in the improvement, 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 said plans, specifications and contract and at the following schedule of rates and prices.

County Road Safety

Note: Unit prices for all items, all extensions, and total amount must be shown. Please type or use ink. Please initial all changes.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
PREPARATION				
1	100% Lump Sum	Mobilization	At ////////.//// Per Lump Sum	.
2	100% Lump Sum	Notification	At ////////.//// Per Lump Sum	.
3	100% Lump Sum	Removing Miscellaneous Traffic Item	At ////////.//// Per Lump Sum	.
TRAFFIC				
4	466 Each	Remove Existing Warning Sign & Post	At . Per Each	.
5	4 Each	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24" x 12" with 4"x6" Wooden Post	At . Per Each	.
6	386 Each	30" Warning Sign with 4"x4" Wooden Post	At . Per Each	.
7	12 Each	W1-6, Large Arrow 48" x 24" with 4"x4" Wooden Post	At . Per Each	.

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Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
8	1,490 Each	W1-8, Chevron 18" x 24" with 4"x4" Wooden Post	At Per Each	.
9	15 Each	W3-1, Stop Ahead Symbol 36" x 36" with 4"x6" Wooden Post	At Per Each	.
10	296 Each	W13-1P, 24" x 24"	At Per Each	.
11	5,266 Each	Flexible Guide Post	At Per Each	.
12	3,600 Lin. Ft.	Transverse Rumble Line	At Per Linear Foot	.
13	100% Lump Sum	Flashing Beacon System	At ////////.///// Per Lump Sum	.
14	100% Lump Sum	Project Temporary Traffic Control	At ////////.///// Per Lump Sum	.
OTHER ITEMS				
15	100% Lump Sum	Spill Prevention, Control, and Countermeasure (SPCC) Plan	At ////////.///// Per Lump Sum	.
16	Calculated	Minor Changes	At ////////.///// Calculated	-\$4.00

Contract Total	.
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INFORMATIONAL COPY

Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

Non-Collusion Declaration

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association, or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.

Notice to All Bidders

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Revised 8/95

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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 Grant 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



Please Print Name of Authorized Official

Firm Name

Address

State of Washington Contractor's License No. _____

Federal ID No. _____

Note:

- (1) This proposal form is not transferable and any alteration entered hereon without prior permission from the County Engineer will be cause for considering the proposal irregular and subsequent rejection of bid.
- (2) Please refer to section 1-02.6 of the standard specifications, re: "Preparation of Proposal" or "Article 4" of the instructions to bidders for building construction jobs.
- (3) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal number in your communication: _____

Revised 8/95

INFORMATIONAL COPY

Statement of Contractor Qualifications

To: Board of County Commissioners
Grant County, Washington

Date: _____, 2012

RE: **County Road Safety, CRP 11-04**

I hereby maintain that I am a responsible bidder as contemplated by the policies of the State of Washington and Chapter 36.77 of the Revised Code of Washington.

1. My permanent business name and address is _____
which I have maintained for ____ years. My phone is (____) _____ Fax (____) _____
2. I have adequate plant equipment to expeditiously and properly perform the work contemplated for Grant County, Washington. **Description of work:** This contract provides for the construction of Traffic Control Devices – County Wide on two lane county roads in Grant County, WA, and includes removing existing signs, installation of signs, flexible guideposts, transverse rumble lines, flashing beacon, project temporary traffic control and other work all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications. (Please list equipment to be used on this project. Attach list if necessary.)

3. I have adequate funds to promptly meet obligations incident to this work. (Provide bank, contact & phone.)
a) _____
b) _____ c) _____
4. I have adequate experience in this class of work and I am thoroughly familiar with the specifications used in this project. I have constructed the following similar improvements: (Provide project name, contact & phone.)
a) _____
b) _____
c) _____
5. I have submitted and maintain annually a "Standard Questionnaire and Financial Statement" to the Washington State Department of Transportation (WSDOT): Yes No Region: _____
WSDOT has determined: a) I am prequalified to _____
_____ in the amount of _____.
b) I have failed to be prequalified for the following reasons: _____
_____.

The Contracting Agency may determine a prospective Bidder who is not prequalified to perform certain types of work within the financial and experience constraints determined by WSDOT to be not responsible and refuse to award a contract.

The Board of County Commissioners shall proceed to award the contract to the lowest and best bidder but may reject any or all bids if in its opinion good cause exists therefor. (RCW 36.77.040)

I hereby certify that the above statements are true and accurate.

Very truly yours,

By: _____

(Print Name) _____

Company Name: _____

Address: _____

City, State, Zip: _____

Washington State Contractor's License No.: _____

Revised 4/02

INFORMATIONAL COPY

Bid Bond

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as
Principal, and _____, as
Surety, are held and firmly bound unto Grant County, Washington, as Obligee, in the penal sum
of _____ Dollars
(\$ _____) for the payment of which the Principal and Surety bind themselves,
their heirs, executors, administrators, successors and assigns, jointly and severally, by these
presents.

The condition of the obligation is such that if the Obligee shall make any award to the
Principal for **County Road Safety, CRP 11-04**, located in Grant County, Washington, according to
the terms of the proposal or bid made by the Principal therefor, and the Principal shall duly
make and enter into a contract with the Obligee in accordance with the terms of said proposal
or bid and award and shall give bond for the faithful performance thereof, with the Surety or
Sureties approved by the Obligee; or if the principal shall, in case of failure so to do, pay and
forfeit to the Obligee the penal amount of the deposit specified in the call for bids, then this
obligation shall be null and void; otherwise it shall be and remain in full force and effect and
the Surety shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages, the
amount of this bond.

SIGNED, SEALED AND DATED THIS ____ DAY OF _____, 2012

Principal _____

Surety _____

Attorney-in-Fact _____

INFORMATIONAL COPY

CONTRACT

THIS AGREEMENT, between the Board of County Commissioners of Grant County, State of Washington, acting under and by virtue of Chapter 36.77 of the Revised Code of Washington, as amended, hereinafter called the County, and _____, for itself, its heirs, executors, administrators, successors and assigns, hereinafter called the Contractor.

WITNESSETH:

That in consideration of the payments, covenants, and agreements, hereinafter mentioned, and attached and made a part of this agreement, to be made and performed by the parties hereto, and the parties hereto covenant and agree as follows:

DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all tools, materials, and equipment necessary to improve and complete **County Road Safety, CRP 11-04**, located in Grant County, Washington, as proposed in a bid opened **1:30:59 P.M., Tuesday, November 6, 2012** in accordance with and as described in the herein attached plans and standard specifications, and in full compliance with the terms, conditions, and stipulations herein set forth and attached, now referred to any by such reference incorporated herein and made 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 force account work may be ordered as provided in this contract and every part thereof.
2. 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.
3. The County hereby promises and agrees with the Contractor to employ, and does employ the Contractor to provide the materials and to do and cause to be done the above described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of unit or itemized prices hereto attached, 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 employ the Contractor to perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work that may be ordered and pay for same under the terms of this contract and the attached plans and specifications.
4. The Contractor for himself, and for his heirs, executors, administrators and assigns, and successors and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.
5. It is further provided that no liability shall attach to the County by reason of entering into this contract, except as expressly provided herein.

INFORMATIONAL COPY

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of Grant County has caused this instrument to be executed by and in the name of said Board by its Members, duly attested by its Clerk, the day and year below written, and the seal of said Board to be hereunto affixed on said date.

____ day of _____, 2012

Signature

Print Name

Firm Name

Address

City State Zip

(____) _____
Phone

ATTEST:

Clerk of the Board

APPROVED AS TO FORM:

____ day of _____, 2012

Deputy Prosecuting Attorney

BOARD OF COUNTY COMMISSIONERS
OF GRANT COUNTY, WASHINGTON

Done this ____ day of _____, 2012

Chair

Member

Member

INFORMATIONAL COPY

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, _____, as principal, and _____, a corporation organized and existing under the laws of the State of _____, as surety corporation, and qualified under the laws of the State of Washington to become surety upon bonds of contractors with municipal corporations, as surety, are jointly and severally held and firmly bound to Grant County, Washington, in the penal sum of

(\$_____) for the payment of which sum on demand we bind ourselves and our successors, heirs, administrators or personal representatives, as the case may be.

This obligation is entered into in pursuance of the statutes of the State of Washington, the Ordinances of Grant County, Washington.

Dated at _____, Washington, this ____ day of _____, 2012.

The conditions of the above obligation are such that:

WHEREAS, on **November 6, 2012**, the Board of County Commissioners of said Grant County has let or is about to let to the Principal, a certain contract, the said contract providing for the improvement of **County Road Safety, CRP 11-04**, located in Grant County, Washington, (which contract is referred to herein and is made a part hereof as though attached hereto), and

WHEREAS, the said Principal has accepted, or is about to accept, the said contract, and undertake to perform the work therein provided for in the manner and within the time set forth;

NOW, THEREFORE, if the said Principal shall faithfully perform all of the provisions of said contract in the manner and within the time therein set forth or within such extensions of time as may be granted under said contract, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply said Principal or subcontractors with provisions and supplies for the carrying on of said work, and shall hold said Grant County harmless from any loss or damage occasioned to any person or property by reason of any carelessness or negligence on the part of said Principal, or any subcontractor in the performance of said work and shall indemnify and hold Grant County harmless from any damage or expense by reason of failure of performance as specified in said contract or from defects appearing or developing in the material or workmanship provided or performed under said contract, and until the same is accepted, then and in that event this obligation shall be void but otherwise it shall be and remain in full force and effect.

Countersigned: _____

Licensed Agent/Surety Co.

Principal

Attorney-in-Fact, Surety

Approved as to form:

(_____) _____
Firm, Street Address (No P.O. Box), Phone of Local Office of Agent

_____, 2012
Deputy Prosecuting Attorney

Deputy Prosecuting Attorney

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TITLE VI – Contractor Requirements

During the performance of this contract, the contractor/consultant, for itself, its assignees and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

1. Compliance with Regulations

The contractor shall comply with the Regulations relative to non-discrimination in federally assisted programs of United States Department of Transportation (USDOT), Title 49, Code of Federal Regulations, part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination

The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of sub-contractors, including procurement of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

3. Solicitations for Sub-contracts, Including Procurement of Materials and Equipment

In all solicitations either by competitive bidding or negotiations made by the contractor for work to be performed under a sub-contract, including procurement of materials or leases of equipment, each potential sub-contractor or supplier shall be notified by the contractor of the contractor’s obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, sex, or national origin.

4. Information and Reports

The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the contracting agency or the appropriate federal agency to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to WSDOT or the USDOT as appropriate, and shall set forth what efforts it has made to obtain the information.

5. Sanctions for Non-compliance

In the event of the contractor’s non-compliance with the non-discrimination provisions of this contract, the contracting agency shall impose such contract sanctions as it or the USDOT may determine to be appropriate, including, but not limited to:

- Withholding of payments to the contractor under the contract until the contractor complies, and/or;
- Cancellation, termination, or suspension of the contract, in whole or in part

6. Incorporation of Provisions

The contractor shall include the provisions of paragraphs (1) through (5) in every sub-contract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any sub-contractor or procurement as the contracting agency or USDOT may direct as a means of enforcing such provisions including sanctions for non-compliance.

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a sub-contractor or supplier as a result of such direction, the contractor may request WSDOT enter into such litigation to protect the interests of the state and, in addition, the contractor may request the USDOT enter into such litigation to protect the interests of the United States.

INFORMATIONAL COPY

**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

- 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.

General Decision Number: WA120001 10/05/2012 WA1

Superseded General Decision Number: WA20100001

State: Washington

Construction Type: Highway

Counties: Washington Statewide.

HIGHWAY (Excludes D.O.E. Hanford Site in Benton and Franklin Counties)

Modification Number	Publication Date	Modification Number	Publication Date
0	01/06/2012	13	07/20/2012
1	01/13/2012	14	08/03/2012
2	02/10/2012	15	08/10/2012
3	02/17/2012	16	09/07/2012
4	03/23/2012	17	09/21/2012
5	04/06/2012	18	10/05/2012
6	04/13/2012		
7	04/27/2012		
8	05/04/2012		
9	06/08/2012		
10	06/15/2012		
11	06/29/2012		
12	07/06/2012		

CARP0001-008 09/01/2009

Rates Fringes

Carpenters:

COLUMBIA RIVER AREA - ADAMS, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GRANT, OKANOGAN (EAST OF THE 120TH MERIDIAN) AND WALLA WALLA COUNTIES

GROUP 1	\$ 27.73	10.56
GROUP 2	\$ 29.73	10.56
GROUP 3	\$ 28.00	10.56
GROUP 4	\$ 27.73	10.56
GROUP 5	\$ 63.50	10.56
GROUP 6	\$ 30.75	10.56
GROUP 7	\$ 31.75	10.56
GROUP 8	\$ 28.00	10.56
GROUP 9	\$ 33.75	10.56

SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE,
STEVENS AND WHITMAN COUNTIES

GROUP 1:.....	\$ 26.06	10.56
GROUP 2:.....	\$ 28.06	10.56
GROUP 3:.....	\$ 26.32	10.56
GROUP 4:.....	\$ 26.06	10.56
GROUP 5:.....	\$ 60.14	10.56
GROUP 6:.....	\$ 29.07	10.56
GROUP 7:.....	\$ 30.07	10.56
GROUP 8:.....	\$ 27.32	10.56
GROUP 9:.....	\$ 33.07	10.56

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/PILEDRIIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main
 Post Office of established residence of employee (Whichever
 is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of
 established residence of employee (Whichever is closest to
 the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main
 Post Office of established residence of employee (Whichever
 is closest to the worksite).

CARPENTERS: MOSCOW (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 06/01/2010

	Rates	Fringes
Carpenters:		
CENTRAL WASHINGTON:		
CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS, OKANOGAN (WEST OF THE 120TH MERIDIAN) AND YAKIMA COUNTIES		

CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 35.49	12.60
CARPENTERS.....	\$ 35.39	12.60
DIVERS TENDER.....	\$ 39.15	12.60
DIVERS.....	\$ 87.20	12.60
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 36.39	12.60
PILED RIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CREOSOTE TREATED		
MATERIAL, ALL PILING.....	\$ 35.59	12.60

(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 06/01/2010

	Rates	Fringes
Carpenters:		
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.....	\$ 35.39	13.08
CARPENTERS ON CREOSOTE MATERIAL.....	\$ 35.49	13.08
CARPENTERS.....	\$ 35.39	13.08
DIVERS TENDER.....	\$ 39.15	13.08
DIVERS.....	\$ 87.20	13.08
MILLWRIGHT AND MACHINE ERECTORS.....	\$ 36.39	13.08
PILED RIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING.....	\$ 35.59	13.08

(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

 ELEC0046-001 06/01/2011

CLALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.87	3%+15.71
ELECTRICIAN.....	\$ 40.79	3%+15.71

ELEC0048-003 07/02/2012

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 40.75	18.41
ELECTRICIAN.....	\$ 37.05	18.41

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

Zone 1: 31-50 miles \$1.50/hour
 Zone 2: 51-70 miles \$3.50/hour
 Zone 3: 71-90 miles \$5.50/hour
 Zone 4: Beyond 90 miles \$9.00/hour

*These are not miles driven. Zones are based on Delorme Street Atlas USA 2006 plus.

 ELEC0048-029 07/02/2012

COWLITZ AND WAHKIAKUM COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 40.75	15.36
ELECTRICIAN.....	\$ 37.05	15.36

* ELEC0073-001 07/01/2012

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 31.70	15.39
ELECTRICIAN.....	\$ 28.82	15.39

ELEC0076-002 09/01/2011

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON
COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 37.54	21.62
ELECTRICIAN.....	\$ 34.13	21.62

ELEC0112-005 06/01/2011ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA
WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 37.70	35+14.63
ELECTRICIAN.....	\$ 35.90	38+14.63

ELEC0191-003 07/01/2011

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 42.91	15.39
ELECTRICIAN.....	\$ 39.01	15.39

ELEC0191-004 07/01/2011

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 39.28	15.24
ELECTRICIAN.....	\$ 35.71	15.24

ENGI0302-003 06/01/2011

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

PROJECTS: CATEGORY A PROJECTS (EXCLUDES CATEGORY B PROJECTS, AS SHOWN BELOW)

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
Group 1A.....	\$ 35.79	15.15
Group 1AA.....	\$ 36.36	15.15
Group 1AAA.....	\$ 36.92	15.15
Group 1.....	\$ 35.24	15.15
Group 2.....	\$ 34.75	15.15
Group 3.....	\$ 34.33	15.15
Group 4.....	\$ 31.97	15.15

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish machine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

Category B Projects: 95% of the basic hourly rate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. 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
 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.

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$.70
 Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom
(including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom
(including jib with attachments); Tower crane over 175 ft in
height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
(including jib with attachments); Crane-overhead, bridge
type, 100 tons and over; Tower crane up to 175 ft in height
base to boom; Loaders-overhead, 8 yards and over; Shovels,
excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft
of boom (including jib with attachments); Crane-overhead,
bridge type, 45 tons thru 99 tons; Derricks on building work;
Excavator, shovel, backhoes over 3 yards and under 6 yards;
Hard tail end dump articulating off-road equipment 45 yards
and over; Loader- overhead 6 yards to, but not including 8
yards; Mucking machine, mole, tunnel, drill and/or shield;
Quad 9, HD 41, D-10; Remote control operator on rubber tired
earth moving equipment; Rollagon; Scrapers-self propelled 45
yards and over; Slipform pavers; Transporters, all truck or
track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-
Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with
attachments; Crane-overhead, bridge type-20 tons through 44
tons; Chipper; Concrete Pump-truck mount with boom
attachment; Crusher; Deck Engineer/Deck Winches (power);
Drilling machine; Excavator, shovel, backhoe-3 yards and
under; Finishing Machine, Bidwell, Gamaco and similar
equipment; Guardrail punch; Horizontal/directional drill
operator; Loaders-overhead under 6 yards; Loaders-plant feed;
Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor
patrol graders-finishing; Piledriver (other than crane
mount); Roto-mill, roto-grinder; Screedman, spreader, topside
operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar
Green; Scraper-self propelled, hard tail end dump,
articulating off-road equipment-under 45 yards; Subgrade
trimmer; Tractors, backhoes-over 75 hp; Transfer material
service machine-shuttle buggy, blaw knox-roadtec; Truck crane
oiler/driver-100 tons and over; Truck Mount portable
conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish mahine-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

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. 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 including, but utilities excluded.
3. Marine projects (docks, wharfs, ect.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designed hazardous perimeter shall be elgible 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 06/01/2011

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 operators:		
GROUP 1A.....	\$ 24.41	12.05
GROUP 1.....	\$ 24.76	12.05
GROUP 2.....	\$ 25.08	12.05
GROUP 3.....	\$ 25.69	12.05
GROUP 4.....	\$ 25.85	12.05
GROUP 5.....	\$ 26.01	12.05
GROUP 6.....	\$ 26.29	12.05
GROUP 7.....	\$ 26.56	12.05
GROUP 8.....	\$ 27.66	12.05

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 1A: Boat Operator; Crush Feeder; Oiler; Steam Cleaner

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors
 (under 2000 CFM, gas, diesel, or electric power); Deck
 Hand; Drillers Helper (Assist driller in making drill rod
 connections, service drill engine and air compressor,
 repair drill rig and drill tools, drive drill support truck
 to and on the job site, remove drill cuttings from around
 bore hole and inspect drill rig while in operation);
 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; Roller (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel (under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)

180 ft to 250 ft \$.50 over scale
 Over 250 ft \$.80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

 ENGI0612-006 06/01/2011

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 operators:		
GROUP 1A.....	\$ 35.79	15.15
GROUP 1AA.....	\$ 36.36	15.15
GROUP 1AAA.....	\$ 36.92	15.15
GROUP 1.....	\$ 35.24	15.15
GROUP 2.....	\$ 34.75	15.15
GROUP 3.....	\$ 34.33	15.15
GROUP 4.....	\$ 31.97	15.15

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$.70
 Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator- concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

- H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing
- 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.

 ENGI0701-002 01/01/2012

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHAKIYAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
Power equipment operators: (See Footnote A)		
GROUP 1.....	\$ 37.27	12.08
GROUP 1A.....	\$ 39.13	12.08
GROUP 1B.....	\$ 41.00	12.08
GROUP 2.....	\$ 35.64	12.08
GROUP 3.....	\$ 34.64	12.08
GROUP 4.....	\$ 33.71	12.08
GROUP 5.....	\$ 32.60	12.08
GROUP 6.....	\$ 29.61	12.08

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 Operator, three units or more; CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments; FLOATING EQUIPMENT: Floating Crane, 150 ton but less than 250 ton

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom; FLOATING EQUIPMENT: Floating Crane 250 ton and over

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over; FLOATING EQUIPMENT: Floating Crane 350 ton and over

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; CRUSHER: Crusher Plant Operator; FLOATING EQUIPMENT: Floating Clamshell, etc.operator, 3 cu. yds. and over; Floating Crane (derrick barge) Operator, 30 tons but less than 150 tons; LOADERS: Loader operator, 120,000 lbs. and above; REMOTE CONTROL: Remote controlled earth-moving equipment; RUBBER-TIRED SCRAPERS: Rubber-tired scraper operator, with tandem scrapers, multi-engine; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell, operator 5 cu. yds and over; TRENCHING MACHINE: Wheel Excavator, under 750 cu. yds. per hour (Grade Oiler required); Canal Trimmer (Grade Oiler required); Wheel Excavator, over 750 cu. yds. per hour; Band Wagon (in conjunction with wheel excavator); UNDERWATER EQUIPMENT: Underwater Equipment Operator, remote or otherwise; HYDRAULIC HOES-EXCAVATOR: Excavator over 130,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment);

GROUP 3: BULLDOZERS: Bulldozer operator, over 70,000 lbs. up to and including 120,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers; Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator (screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator, multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Flow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane; Carry Deck Operator; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel-Electric Engineer; Grizzley Operator; Drill Doctor; Boring Machine Operator; Driller-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshell, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR:

Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIVERS: Hammer Operator; Piledriver Operator (not crane type); PIPELINE, SEWER WATER: Pipe Cleaning Machine Operator; Pipe Doping Machine Operator; Pipe Bending Machine Operator; Pipe Wrapping Machine Operator; Boring Machine Operator; Back Filling Machine Operator; REMOTE CONTROL: Concrete Cleaning Decontamination Machine Operator; Ultra High Pressure Water Jet Cutting Tool System Operator/Mechanic; Vacuum Blasting Machine Operator/mechanic; REPAIRMEN, HEAVY DUTY: Diesel Electric Engineer (Plant or Floating; Bolt Threading Machine operator; Drill Doctor (Bit Grinder); H.D. Mechanic; Machine Tool Operator; RUBBER-TIRED SCRAPERS: Rubber-tired Scraper Operator, single engine, single scraper; Self-loading, paddle wheel, auger type under 15 cu. yds.; Rubber-tired Scraper Operator, twin engine; Rubber-tired Scraper Operator, with push-ull attachments; Self Loading, paddle wheel, auger type 15 cu. yds. and over, single engine; Water pulls, water wagons; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Diesel Electric Engineer; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Factor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Beltcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing mahine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churm Drill and Earth Boring Machine Operator; Vacuum Truck; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Fork Lift, over 10 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber- tired type, less than 25,000 lbs; Elevating Grader Operator, Tractor Towed requiring Operator or Grader; Elevating loader operator, Athey and similar types; OILERS: Service oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or simialr types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULRS: Cat wagon DJBs Volvo similar types; Conveyored material hauler; SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chiip Spreading machine operator; Lime spreading operator, construction job siter; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRED: Tractor operator, rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

GROUP 6: ASPHALT: Plant Oiler; Plant Fireman; Pugmill Operator (any type); Truck mounted asphalt spreader, with screed; COMPRESSORS: Compressor Operator (any power), under 1,250 cu. ft. total capacity; CONCRETE: Plant Oiler, Assistant Conveyor Operator; Conveyor Operator; Mixer Box Operator (C.T.B., dry batch, etc.); Cement Hog Operator; Concrete Saw Operator; Concrete Curing Machine Operator (riding type); Wire Mat or Brooming Machine Operator; CRANE: Oiler; Fireman, all equipment; Truck Crane Oiler Driver; A-frame Truck Operator, single drum; Tugger or Coffin Type Hoist Operator; CRUSHER: Crusher Oiler; Crusher Feederman; CRUSHER: Crusher oiler; Crusher feederman; DRILLING: Drill Tender; Auger Oiler; FLOATING EQUIPMENT: Deckhand; Boatman; FORKLIFT: Self-propelled Scaffolding Operator, construction job site (exclduing working platform); Fork Lift or Lumber Stacker Operator, construction job site; Ross Carrier Operator, construction job site; Lull Hi-Lift Operator or Similar Type; GUARDRAIL EQUIPMENT: Oiler; Auger Oiler; Oiler, combination guardrail machines; Guardrail Punch Oiler; HEATING PLANT: Temporary Heating Plant Operator; LOADERS: Bobcat, skid steer (less than 1 cu yd.); Bucket Elevator Loader Operator, BarberGreene and similar types; OILERS: Oiler; Guardrail Punch Oiler; Truck Crane Oiler-Driver; Auger Oiler; Grade Oiler, required to check grade; Grade Checker; Rigger; PIPELINE-SEWER WATER: Tar Pot Fireman; Tar Pot Fireman (power agitated); PUMPS: Pump Operator (any power); Hydrostatic Pump Operator; RAILROAD EQUIPMENT: Brakeman; Oiler; Switchman; Motorman; Ballast Jack Tamper Operator; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER, ETC. OPERATOR: Oiler, Grade Oiler (required to check grade); Grade Checker; Fireman; SWEEPER: Broom operator, self propelled, construction job site; SURFACING (BASE) MATERIAL: Roller Operator, grading of base rock (not asphalt); Tamping Machine operartor, mechanical, self-propelled; Hydrographic Seeder Machine Operator; TRENCHING MACHINE: Oiler; Grade Oiler; TUNNEL: Conveyor operator; Air filtration equipment operator

IRON0014-005 01/01/2012

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 31.35	20.10

IRON0029-002 01/01/2012

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.87	20.10

IRON0086-002 07/01/2012

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 31.35	20.10

IRON0086-004 01/01/2012

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.89	20.10

LABO0001-002 06/01/2009

ZONE 1:

	Rates	Fringes
Laborers:		
CALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTH OF STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY WAHKIYAKUM COUNTY WEST TO THE PACIFIC OCEAN), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		
GROUP 1.....	\$ 21.77	9.07
GROUP 2.....	\$ 24.86	9.07
GROUP 3.....	\$ 30.96	9.07
GROUP 4.....	\$ 31.70	9.07
GROUP 5.....	\$ 32.21	9.07
CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS AND YAKIMA COUNTIES		
GROUP 1.....	\$ 17.95	9.07
GROUP 2.....	\$ 20.58	9.07
GROUP 3.....	\$ 22.54	9.07
GROUP 4.....	\$ 23.09	9.07
GROUP 5.....	\$ 23.48	9.07

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, airtrac); 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; Nozzelman (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 gas 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).

LABO0238-004 06/01/2012

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.....	\$ 21.71	10.30
GROUP 2.....	\$ 23.81	10.30
GROUP 3.....	\$ 24.08	10.30
GROUP 4.....	\$ 24.35	10.30
GROUP 5.....	\$ 24.63	10.30
LABORER (SPOKANE)		
GROUP 1.....	\$ 21.41	10.30
GROUP 2.....	\$ 23.51	10.30
GROUP 3.....	\$ 23.78	10.30
GROUP 4.....	\$ 24.05	10.30
GROUP 5.....	\$ 24.33	10.30

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 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 Raker; 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; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunitite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

GROUP 6 - Powderman

LABO0238-006 06/01/2012

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.....	\$ 23.78	10.30

LABO0335-001 06/01/2012

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.....	\$ 28.24	9.70
GROUP 2.....	\$ 28.84	9.70
GROUP 3.....	\$ 29.28	9.70
GROUP 4.....	\$ 29.66	9.70
GROUP 5.....	\$ 25.74	9.70
GROUP 6.....	\$ 23.32	9.70
GROUP 7.....	\$ 20.12	9.70

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); Pittsburg Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunitite 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; Powdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-019 06/01/2012

	Rates	Fringes
Hod Carrier.....	\$ 30.30	9.70

PAIN0005-002 01/01/2012

STATEWIDE EXCEPT CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Painters: STRIPERS.....	\$ 27.96	12.77

PAIN0005-004 03/01/2009

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
PAINTER.....	\$ 20.82	7.44

PAIN0005-006 07/01/2012

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
Painters:		
Application of Cold Tar Products, Epoxies, Polyure thanes, Acids, Radiation Resistant Material, Water and Sandblasting.....	\$ 25.99	9.99
Over 30'/Swing Stage Work..	\$ 22.20	7.98
Brush, Roller, Striping, Steam-cleaning and Spray....	\$ 20.99	9.99
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.

PAIN0055-002 07/01/2012

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM
 COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 20.61	8.42
High work - All work 60 ft. or higher.....	\$ 21.36	8.42
Spray and Sandblasting.....	\$ 21.21	8.42

PAIN0055-007 07/01/2011

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT STRIPER.....	\$ 33.19	9.05

PLAS0072-004 06/01/2012

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.....	\$ 25.43	11.97

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 06/01/2012

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING,
KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT,
SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
Cement Masons:		
CEMENT MASON.....	\$ 35.88	14.25
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.....	\$ 36.38	14.25
TROWLING MACHINE OPERATOR ON COMPOSITION.....	\$ 36.38	14.25

PLAS0555-002 06/01/2012

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
Cement Masons:		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 30.58	17.76
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 30.58	17.76
CEMENT MASONS.....	\$ 29.98	17.76
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 31.18	17.76

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 06/01/2012

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.....	\$ 26.90	13.25
GROUP 2.....	\$ 27.02	13.25
GROUP 3.....	\$ 27.15	13.25
GROUP 4.....	\$ 27.41	13.25
GROUP 5.....	\$ 27.63	13.25
GROUP 6.....	\$ 27.79	13.25
GROUP 7.....	\$ 27.99	13.25

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)

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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:.....	\$ 31.68	16.23
GROUP 2:.....	\$ 30.84	16.23
GROUP 3:.....	\$ 28.03	16.23
GROUP 4:.....	\$ 23.06	16.23
GROUP 5:.....	\$ 31.23	16.23

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.

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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: (ANYONE WORKING ON HAZMAT JOBS SEE FOOTNOTE A BELOW)		
ZONE 1:		
GROUP 1.....	\$ 20.02	10.86
GROUP 2.....	\$ 22.29	10.86
GROUP 3.....	\$ 22.79	10.86
GROUP 4.....	\$ 23.12	10.86
GROUP 5.....	\$ 23.23	10.86
GROUP 6.....	\$ 23.40	10.86
GROUP 7.....	\$ 23.93	10.86
GROUP 8.....	\$ 24.26	10.86

Zone Differential (Add to Zone 1 rate: Zone 2 - \$2.00)

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

WA120001 Modification 18

Federal Wage Determinations for Highway Construction

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 additon 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 is 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.

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 union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows 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. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

0000/9999: weighted union wage rates will be published annually each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
 Wage and Hour Division
 U.S. Department of Labor
 200 Constitution Avenue, N.W.
 Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
 U.S. Department of Labor
 200 Constitution Avenue, N.W.
 Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

INFORMATIONAL COPY

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: 10/10/2012

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Grant	<u>Carpenters</u>	Carpenters	\$37.90	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<u>Electricians - Inside</u>	Cable Splicer	\$55.42	<u>7H</u>	<u>1E</u>	
Grant	<u>Electricians - Inside</u>	Construction Stock Person	\$29.16	<u>7H</u>	<u>1D</u>	
Grant	<u>Electricians - Inside</u>	Journey Level	\$51.74	<u>7H</u>	<u>1E</u>	
Grant	<u>Fence Erectors</u>	Fence Erector	\$13.80		<u>1</u>	
Grant	<u>Fence Erectors</u>	Fence Laborer	\$11.60		<u>1</u>	
Grant	<u>Flaggers</u>	Journey Level	\$32.01	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Air And Hydraulic Track Drill	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Asphalt Raker	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Asphalt Roller, Walking	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Brick Pavers	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Brush Hog Feeder	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Brush Machine	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Caisson Worker, Free Air	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Carpenter Tender	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Cement Finisher Tender	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Cement Handler	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Chain Saw Operator & Faller	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Clean-up Laborer	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Compaction Equipment	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Concrete Crewman	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Concrete Saw, Walking	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Concrete Signalman	\$34.11	<u>7B</u>	<u>1M</u>	

Grant	<u>Laborers</u>	Concrete Stack	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Confined Space Attendant	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Crusher Feeder	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Demolition	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Demolition Torch	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Dope Pot Fireman, Non-mechanical	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Driller Helper (when Required To Move & Position Machine)	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Drills With Dual Masts	\$34.93	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Dry Stack Walls	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Dumpman	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Erosion Control Laborer	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Final Detail Cleanup (i.e., Dusting, Vacuuming, Window Cleaning; Not Construction Debris Cleanup)	\$32.01	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Firewatch	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Form Cleaning Machine Feeder, Stacker	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Form Setter, Paving	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	General Laborer	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Grade Checker	\$36.64	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Grout Machine Header Tender	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Guard Rail	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Gunite	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level A)	\$34.93	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level B)	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level C)	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level D)	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hdpe Or Similar Liner Installer	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	High Scaler	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Jackhammer Operator Miner, Class "b"	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Laser Beam Operator	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Miner, Class "a"	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Miner, Class "c"	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Miner, Class "d"	\$34.93	<u>7B</u>	<u>1M</u>

Grant	<u>Laborers</u>	Monitor Operator, Air Track Or Similar Mounting	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Mortar Mixer	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Nipper	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Nozzleman	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Nozzleman, Water (to Include Fire Hose), Air Or Steam	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Pavement Breaker, 90 Lbs. & Over	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Pavement Breaker, Under 90 Lbs.	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Pipelay	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Pipelay, Corrugated Metal Culvert And Multi-plate	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Pipewrapper	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Plasterer Tenders	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Pot Tender	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Powderman	\$36.30	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Powderman Helper	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Power Buggy Operator	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Power Tool Operator, Gas, Electric, Pneumatic	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Railroad Equipment, Power Driven, Except Dual Mobile	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Railroad Power Spiker Or Puller, Dual Mobile	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Remote Equipment Operator	\$34.93	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Remote Equipment Operator (i.e. Compaction And Demolition)	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Rigger/signal Person	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Riprap Person	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Rodder & Spreader	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Sandblast Tailhoseman	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Scaffold Erector, Wood Or Steel	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Stake Jumper	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Structural Mover	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Tailhoseman (water Nozzle)	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Timber Bucker & Faller (by Hand)	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Track Laborer (rr)	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Traffic Control Laborer	\$32.01	<u>7B</u>	<u>1M</u>	<u>8T</u>

Grant	<u>Laborers</u>	Traffic Control Supervisor	\$33.01	<u>7B</u>	<u>1M</u>	<u>8S</u>
Grant	<u>Laborers</u>	Trencher, Shawnee	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Trenchless Technology Technician	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Truck Loader	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Tugger Operator	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Vibrators, All	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Wagon Drills	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Water Pipe Liner	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Welder, Electric, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	\$34.93	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Well-point Person	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Wheelbarrow, Power Driven	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Painters</u>	Journey Level	\$37.51	<u>6Z</u>	<u>2B</u>	
Grant	<u>Power Equipment Operators</u>	A-frame Truck (2 Or More Drums)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	A-frame Truck (single Drum)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Asphalt Plant Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Assistant Plant Operator, Fireman Or Pugmixer (asphalt)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Assistant Refrigeration Plant & Chiller Operator (over 1000 Ton)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Assistant Refrigeration Plant (under 1000 Ton)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Automatic Subgrader (ditches & Trimmers)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backfillers (cleveland & Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe & Hoe Ram (under 3/4 Yd.)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe (45,000 Gw & Under)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe (45,000 Gw To 110,000 Gw)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe (over 110,000 Gw)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoes & Hoe Ram (3 Yds & Over)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoes & Hoe Ram (3/4 Yd. To 3 Yd.)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bagley Or Stationary Scraper	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Batch & Wet Mix Operator (multiple Units, 2 & Incl. 4)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Batch Plant & Wet Mix	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Operator, Single Unit (concrete)				
Grant	<u>Power Equipment Operators</u>	Batch Plant (over 4 Units)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Belt Finishing Machine	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Belt Loader (kocal Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Belt-crete Conveyors With Power Pack Or Similar	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bending Machine	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bit Grinders	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Blade (finish & Bluetop), Automatic, Cmi, Abc, Finish Athey & Huber & Similar When Used As Automatic	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Blade Operator (motor Patrol & Attachments)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Blower Operator (cement)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boat Operator	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bob Cat (skid Steer)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bolt Threading Machine	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boom Cats (side)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boring Machine (earth)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boring Machine (Rock Under 8" Bit - Quarry Master, Joy Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bump Cutter (wayne, Saginaw Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cableway Controller (dispatcher)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cableway Operators	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Canal Lining Machine (concrete)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Carrydeck & Boom Truck (under 25 Tons)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cement Hog	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Chipper (without Crane) Cleaning & Doping Machine (pipeline)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Clamshell, Dragline	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Compactor (self-propelled With Blade)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Compressor (2000 Cfm Or Over, 2 Or More, Gas Diesel Or Electric Power)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Compressors (under 2000 Cfm, Gas, Diesel Or Electric Power)	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Cleaning / Decontamination Machine Operator	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Pump Boon Truck	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Pumps (squeeze-crete, Flow-crete, Whitman & Similar)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Saw (multiple Cut)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Slip Form Paver	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Conveyor Aggregate Delivery Systems (c.a.d.)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Crane Oiler- Driver (cdl Required) & Cable Tender, Mucking Machine	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (25 Tons & Under), All Attachments Incl. Clamshell, Dragline	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (25 Tons To And Including 45 Tons), All Attachments Incl. Clamshell, Dragline	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (45 Tons To 85 Tons), All Attachments Incl. Clamshell And Dragline	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (85 Tons & Over) And All Climbing, Overhead, Rail & Tower. All Attachments Incl.	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Crusher Feeder	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Crusher, Grizzle & Screening Plant Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Curb Extruder (asphalt Or Concrete)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Deck Engineer	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Deck Hand	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Derricks & Stifflegs (65 Tons & Over)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Derricks & Stifflegs (under 65 Tons)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Distributor Leverman	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Ditch Witch Or Similar	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Dope Pots (power Agitated	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Dozer / Tractor (up To D-6 Or	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Equivalent) And Traxcavator				
Grant	<u>Power Equipment Operators</u>	Dozer / Tractors (d-6 & Equivalent & Over)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Dozer, 834 R/t & Similar	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drill Doctor	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Driller Licensed	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drillers Helper	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drilling Equipment (8" Bit & Over - Robbins, Reverse Circulation & Similar)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drills (churn, Core, Calyx Or Diamond)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevating Belt (holland Type)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevating Belt-type Loader (euclid, Barber Green & Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevating Grader-type Loader (dumor, Adams Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevator Hoisting Materials	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Equipment Serviceman, Greaser & Oiler	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Fireman & Heater Tender	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Fork Lift Or Lumber Stacker, Hydra-life & Similar	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Generator Plant Engineers (diesel Or Electric)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Gin Trucks (pipeline)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Grade Checker	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Gunite Combination Mixer & Compressor	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	H.d. Mechanic	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	H.d. Welder	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Helicopter Pilot	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Helper, Mechanic Or Welder, H.D	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hoe Ram	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hoist (2 Or More Drums Or Tower Hoist)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hoist, Single Drum	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hydraulic Platform Trailers (goldhofer, Shaurerly And Similar)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Hydro-seeder, Mulcher, Nozzleman	\$37.81	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Lime Batch Tank Operator (recycle Train)	\$39.34	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Lime Brain Operator (recycle Train)	\$39.34	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	\$39.61	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Loader Operator (front-end & Overhead, 4 Yds. Incl. 8 Yds.)	\$39.34	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Loaders (bucket Elevators And Conveyors)	\$38.13	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Loaders (overhead & Front-end, Over 8 Yds. To 10 Yds.)	\$39.61	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Loaders (overhead & Front-end, Under 4 Yds.. R/t)	\$38.90	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Loaders (overhead And Front-end, 10 Yds. & Over)	\$40.71	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Locomotive Engineer	\$38.74	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Longitudinal Float	\$38.13	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Master Environmental Maintenance Technician	\$39.61	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Mixer (portable - Concrete)	\$38.13	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Mixermobile	\$38.74	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Mobile Crusher Operator (recycle Train)	\$39.34	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Mucking Machine	\$38.74	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Multiple Dozer Units With Single Blade	\$39.34	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Pavement Breaker, Hydra-hammer & Similar	\$38.13	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Paving (dual Drum)	\$39.06	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Paving Machine (asphalt And Concrete)	\$39.34	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Piledriving Engineers	\$39.06	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Plant Oiler	\$37.81	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Posthole Auger Or Punch	\$38.74	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Power Broom	\$38.13	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Pump (grout Or Jet)	\$38.74	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Pumpman	\$37.81	7B	1M	8D
Grant	<u>Power Equipment Operators</u>	Quad-track Or Similar Equipment	\$39.34	7B	1M	8D

Grant	<u>Power Equipment Operators</u>	Railroad Ballast Regulation Operator (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Railroad Power Tamper Operator (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Railroad Tamper Jack Operator (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Railroad Track Liner Operator (self-propelled)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Refrigeration Plant Engineer (1000 Tons & Over)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Refrigeration Plant Engineer (under 1000 Ton)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rollerman (finishing Asphalt Pavement)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rollers, All Types On Subgrade, Including Seal And Chip Coating (farm Type, Case, John Deere And Similar, or Compacting Vibrator), Except When Pulled B	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Roto Mill (pavement Grinder)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rotomill Groundsman	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rubber-tired Scrapers (multiple Engine With Three Or More Scrapers)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rubber-tired Skidders (r/t With Or Without Attachments)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Scrapers, All, Rubber-tired	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Screed Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Shovels (3 Yds. & Over)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Shovels (under 3 Yds.)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Soil Stabilizer (p & H Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Spray Curing Machine (concrete)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Spreader Box (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Spreader Machine	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Steam Cleaner	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Straddle Buggy (ross & Similar On Construction Job Only)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Surface Heater & Planer Machine	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Tractor (farm Type R/t With Attachments, Except Backhoe)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Traverse Finish Machine	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Trenching Machines (7 Ft. Depth & Over)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Trenching Machines (under 7 Ft. Depth Capacity)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Tug Boat Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Tugger Operator	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Turnhead (with Re-screening)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Turnhead Operator	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Ultra High Pressure Waterjet Cutting Tool System Operator, (30,000 Psi)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Vactor Guzzler, Super Sucker	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Vacuum Blasting Machine Operator	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Vacuum Drill (reverse Circulation Drill Under 8" Bit)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Welding Machine	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Whirleys & Hammerheads, All	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Residential Electricians</u>	Journey Level	\$22.95		<u>1</u>	
Grant	<u>Sign Makers & Installers (Electrical)</u>	Journey Level	\$55.81	<u>7F</u>	<u>1E</u>	
Grant	<u>Surveyors</u>	All Classifications	\$28.57	<u>Null</u>	<u>1</u>	
Grant	<u>Telecommunication Technicians</u>	Journey Level	\$17.65		<u>1</u>	
Grant	<u>Traffic Control Stripers</u>	Journey Level	\$41.27	<u>7A</u>	<u>1K</u>	
Grant	<u>Truck Drivers</u>	Dump Truck	\$26.09		<u>1</u>	
Grant	<u>Truck Drivers</u>	Dump Truck And Trailer	\$26.09		<u>1</u>	
Grant	<u>Truck Drivers</u>	Other Trucks	\$27.84		<u>1</u>	
Grant	<u>Truck Drivers</u>	Transit Mixer	\$10.00		<u>1</u>	

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Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five - eight (8) hour workweek day or a four - ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a 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.
 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.

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- 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.
- T. 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. 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.
- 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.
1. 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.
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.

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2. 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.
- K. All hours worked on holidays shall be paid at two times the hourly rate of wage in addition to the holiday pay.
- 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.
- Y. All hours worked on Saturdays (except for make-up days) 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.
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.
- B. 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, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- 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.

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3. D. All hours worked between 6:00 pm Monday through 6:00 am Saturday, shall be paid at an overtime 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.
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 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 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.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
- I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- 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).

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- 5. 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).

Holiday Codes Continued

- 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, Day After Thanksgiving Day, Christmas Day, And A Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, The Day After Thanksgiving Day And Christmas Day (8). Unpaid Holiday: Presidents' Day.
- 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.

Holiday Codes Continued

- 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.

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7. D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day. 10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- O. 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, The Day After Or Before Christmas Day, And The Employees Birthday. 11). 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.
- 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.

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7. Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

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
- 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 08-31-2012 thru 03-03-2013

8. 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.

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Washington State Department of Labor and Industries
Policy Statement
(Regarding the Production of "Standard" or "Non-standard" Items)

The offsite fabrication of nonstandard items specifically produced for a public works project is considered public work for which prevailing wages are required.

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.

It is the manufacturer's responsibility to verify that the correct county wage rates are applied to work they perform. 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 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	

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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.

- 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.]

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GRAND COULEE CITY

①	2	
②	2	
③	2	
④	2	

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GRAND COULEE HILL RD SIGN PLAN
CRP 11-04
SHEET 2 OF 2

SIGN SPACING = X (FEET) (1)

*Minimum spacing of construction signs to roadway:
 Regulatory Signs shall be 200' at 60mph,
 100' at 55mph to 35mph and 50' at 30mph or less.

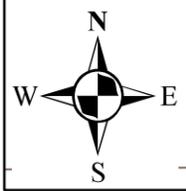
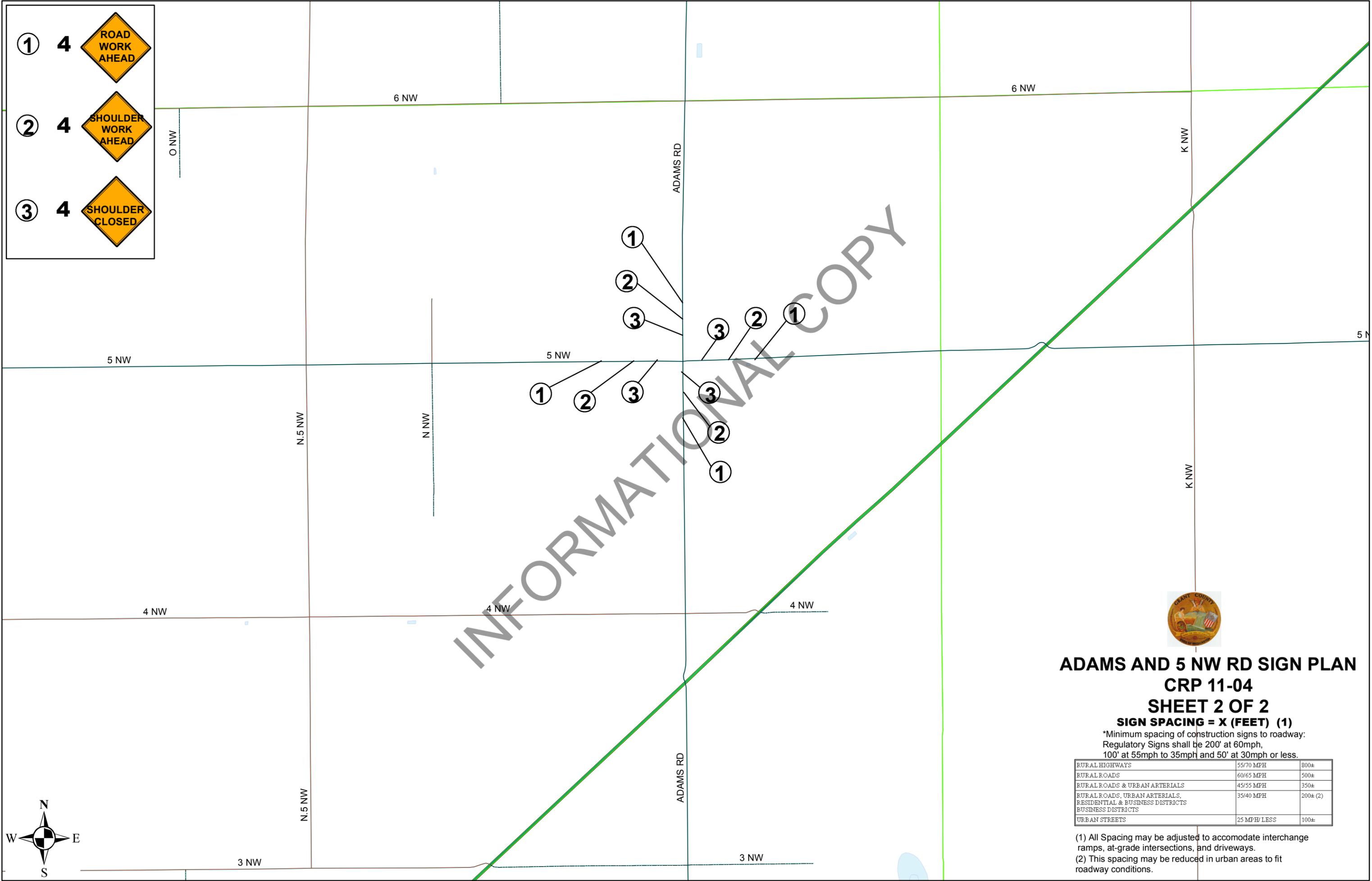
RURAL HIGHWAYS	55/70 MPH	800±
RURAL ROADS	60/65 MPH	500±
RURAL ROADS & URBAN ARTERIALS	45/55 MPH	350±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS BUSINESS DISTRICTS	35/40 MPH	200± (2)
URBAN STREETS	25 MPH/ LESS	100±

(1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.

(2) This spacing may be reduced in urban areas to fit roadway conditions.

GRAND COULEE HILL RD

①	4	
②	4	
③	4	



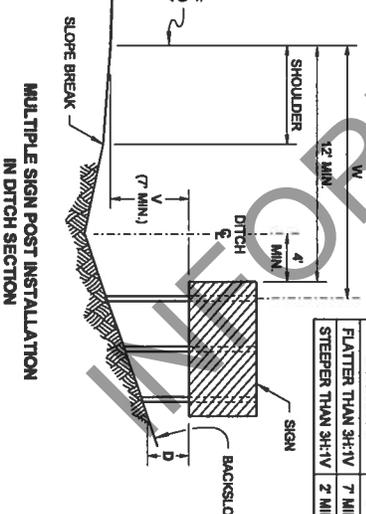
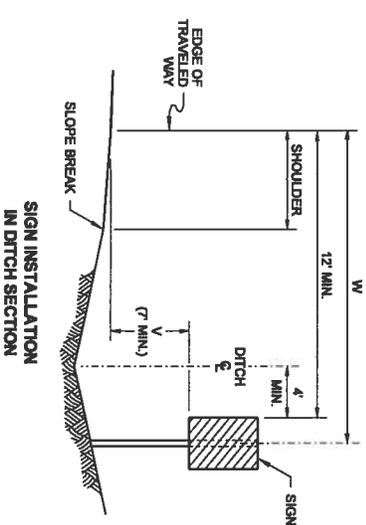
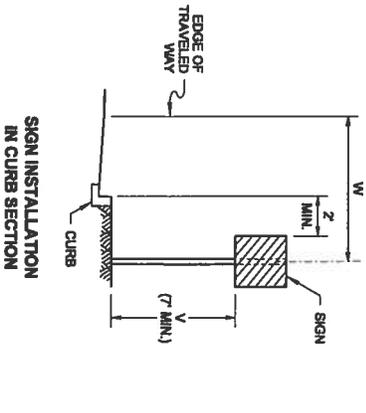
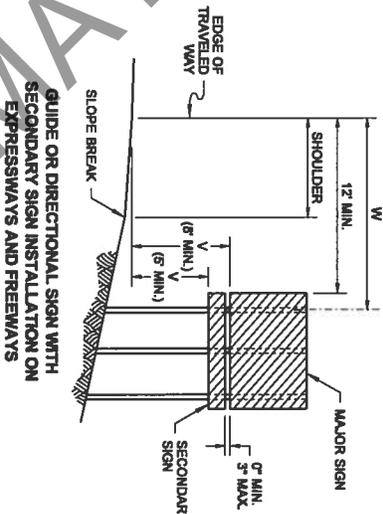
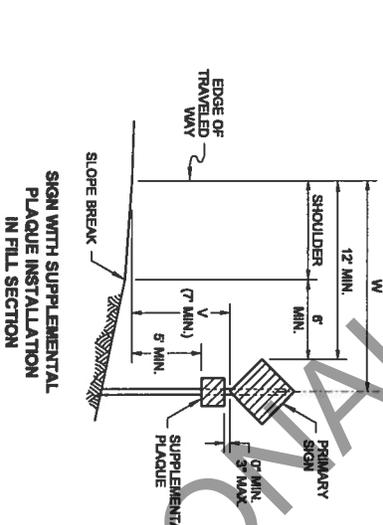
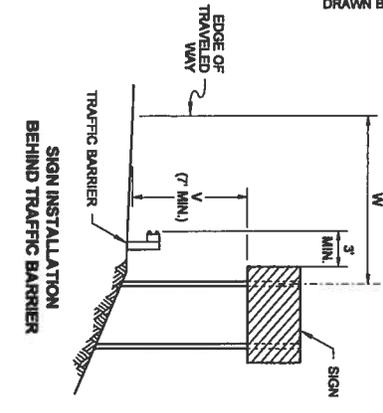
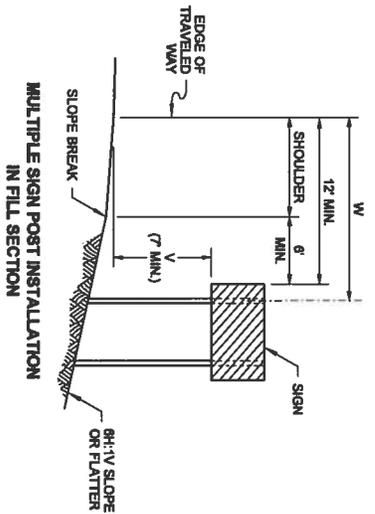
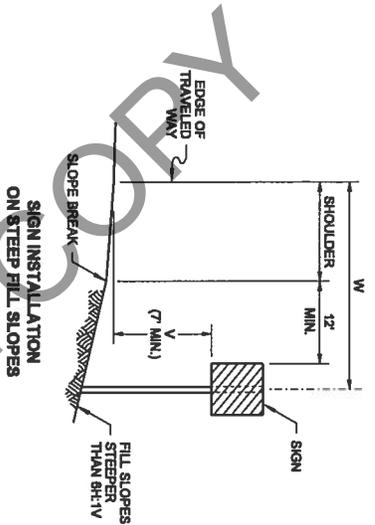
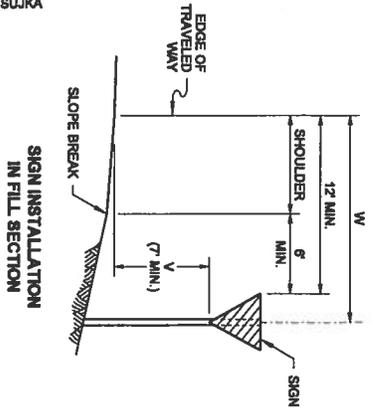
ADAMS AND 5 NW RD SIGN PLAN
CRP 11-04
SHEET 2 OF 2

SIGN SPACING = X (FEET) (1)

*Minimum spacing of construction signs to roadway:
 Regulatory Signs shall be 200' at 60mph,
 100' at 55mph to 35mph and 50' at 30mph or less.

RURAL HIGHWAYS	55/70 MPH	800±
RURAL ROADS	60/65 MPH	500±
RURAL ROADS & URBAN ARTERIALS	45/55 MPH	350±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	35/40 MPH	200± (2)
URBAN STREETS	25 MPH/ LESS	100±

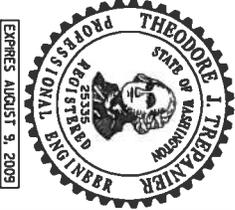
(1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.
 (2) This spacing may be reduced in urban areas to fit roadway conditions.



BACKSLOPE	D
FLATTER THAN 3H:1V	7 MIN.
STEEPER THAN 3H:1V	2 MIN.

NOTES

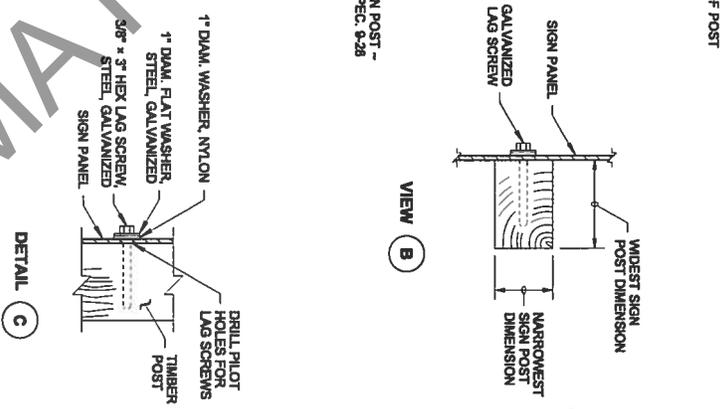
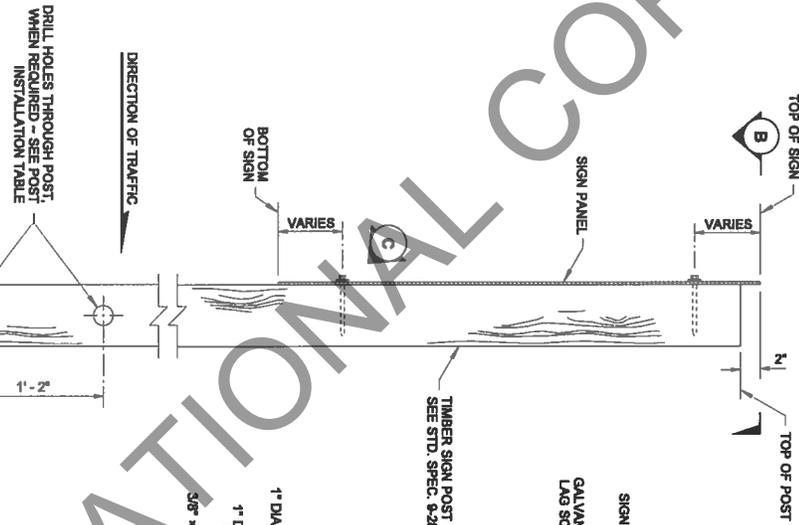
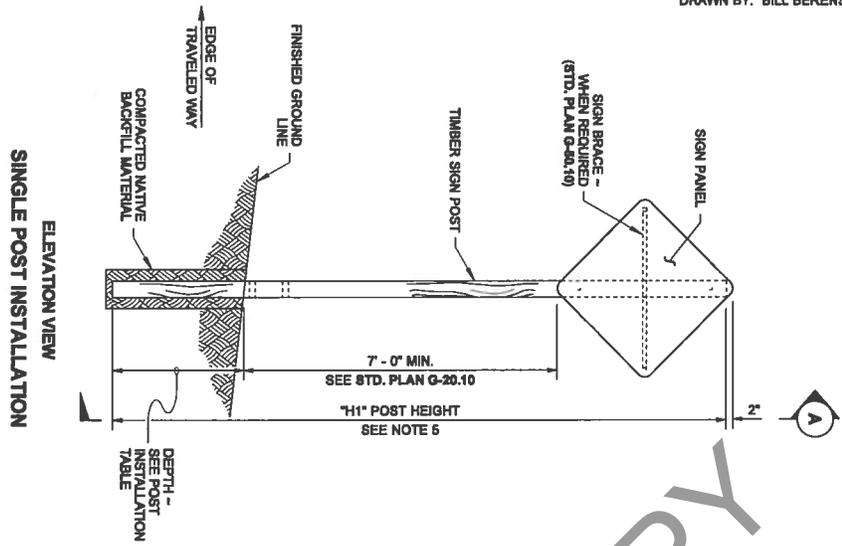
1. Refer to the Sign Specification Sheet of the Contract for the "V" and "W" distances.
2. The minimum vertical distance from the bottom of the sign to the ground shall not be less than 7' for signs located within the Design Clear Zone.



NOTE: THIS PLAN IS NOT A LEGAL INSTRUMENT DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

GROUND MOUNTED SIGN PLACEMENT
STANDARD PLAN G-20-10-00
 SHEET 1 OF 1 SHEET

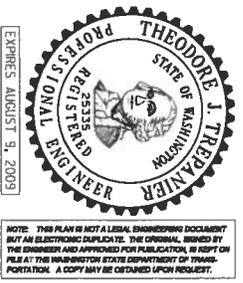
APPROVED FOR PUBLICATION
Pasco Bakodich III 09-20-07
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation



- NOTES**
- Notch is only required with multiple post installations.
 - 6x10, 6x10, and 6x12 Timber Sign Posts cannot be made breakaway and do not have holes or notches. These posts shall not be installed within the Design Clear Zone. They may be installed behind traffic barrier.
 - Signs with a width less than 12 feet and supported on three 6x6 or 6x6 posts shall not be installed behind traffic barrier. Clear Zone. They may be installed behind traffic barrier.
 - Signs with a width less than 17 feet and supported on four 6x6 or 6x6 posts shall not be installed behind traffic barrier. Clear Zone. They may be installed behind traffic barrier.
 - For 2", 3", 4", 5", 6", 7", 8", 9", 10", 11", 12", 13", and 14" refer to the Sign Specification Sheet in the Contract.
 - For 6x6 posts and larger, 7 feet minimum spacing is required between posts.

POST INSTALLATION TABLE

POST SIZE (NOM.)	DEPTH	WIDEST SIGN POST DIMENSION	NARROWEST SIGN POST DIMENSION	HOLE DIAMETER	NOTCH DEPTH (SEE NOTE 1)
4x4	3'-0"	NOT REQD	NOT REQD	1 1/2"	1 1/2"
4x6	4'-0"	NOT REQD	NOT REQD	2"	2"
6x6	4'-0"	SEE NOTE 3 & 4	SEE NOTE 3 & 4	3"	3"
6x8	5'-0"	SEE NOTE 3 & 4	SEE NOTE 3 & 4	3"	3"
6x10	6'-0"	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2
6x10	6'-0"	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2
6x12	7'-0"	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2

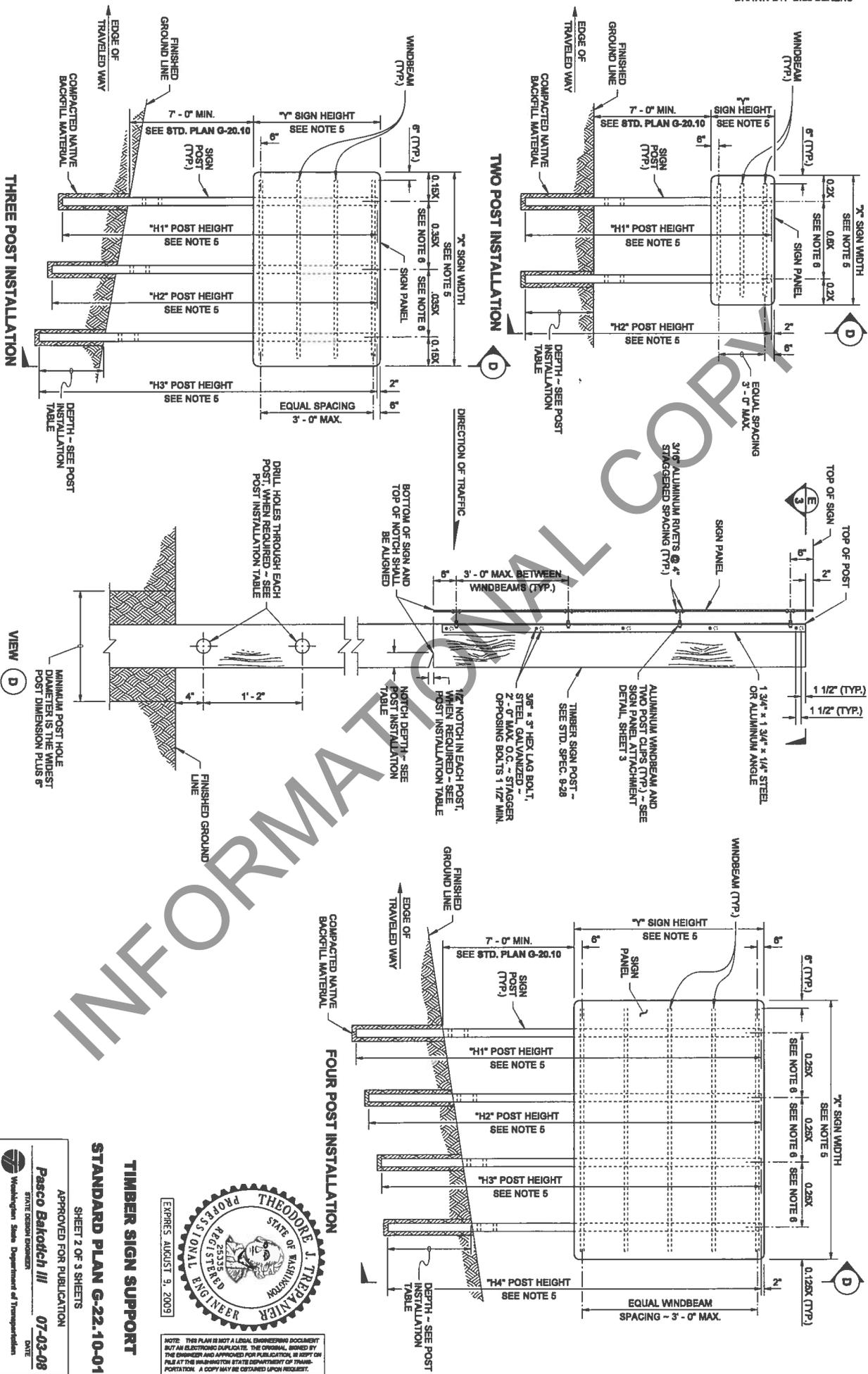


TIMBER SIGN SUPPORT

STANDARD PLAN G-22.10-01

SHEET 1 OF 3 SHEETS
 APPROVED FOR PUBLICATION
Pasco Bakotich III
 STATE DESIGN ENGINEER
 Washington State Department of Transportation
 DATE 07-03-08

INFORMATIONAL COPY



TWO POST INSTALLATION

THREE POST INSTALLATION

FOUR POST INSTALLATION

TIMBER SIGN SUPPORT

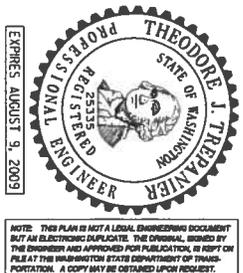
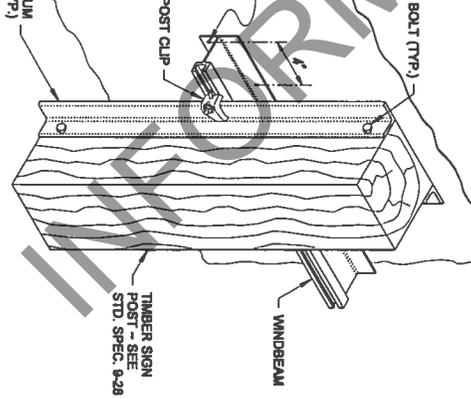
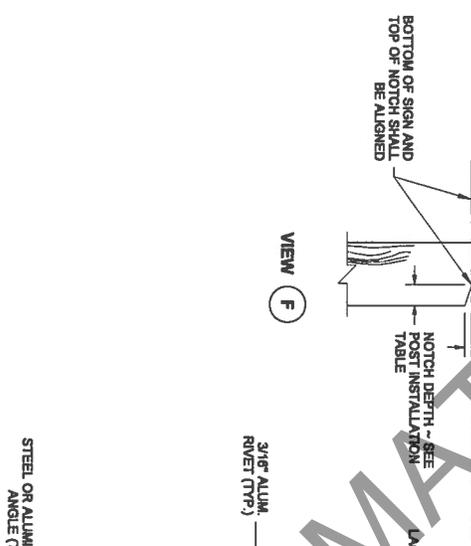
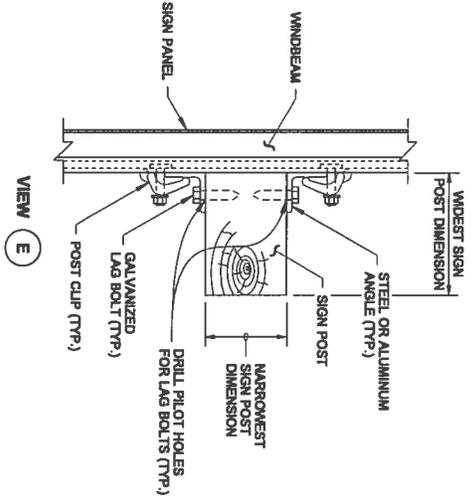
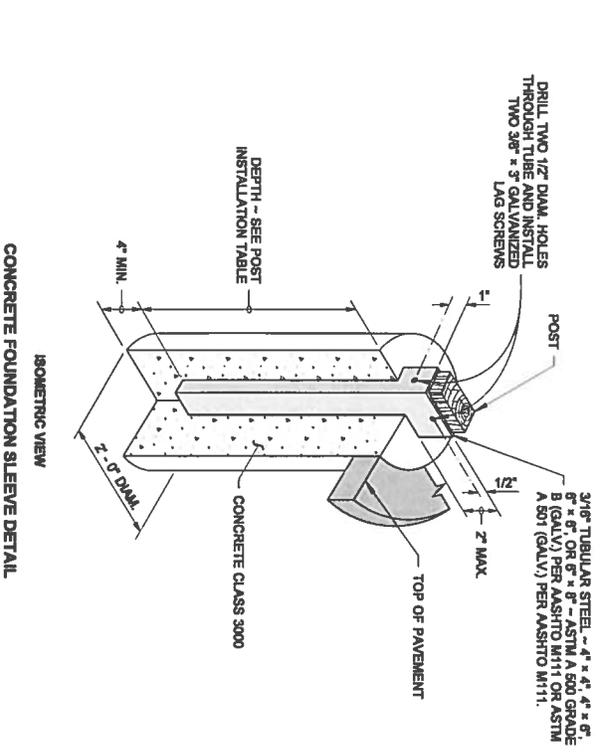
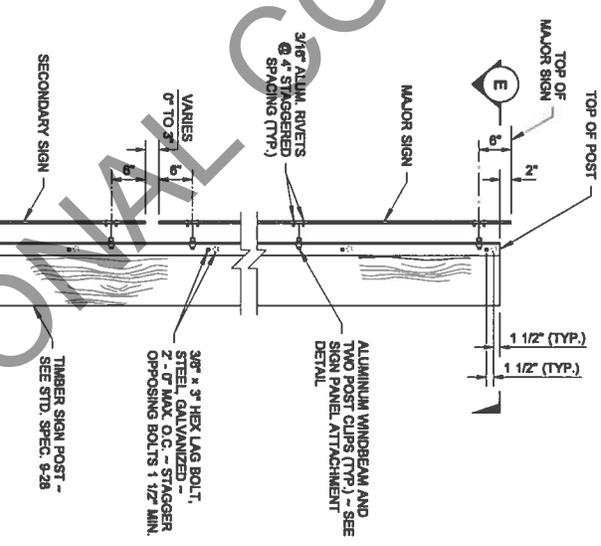
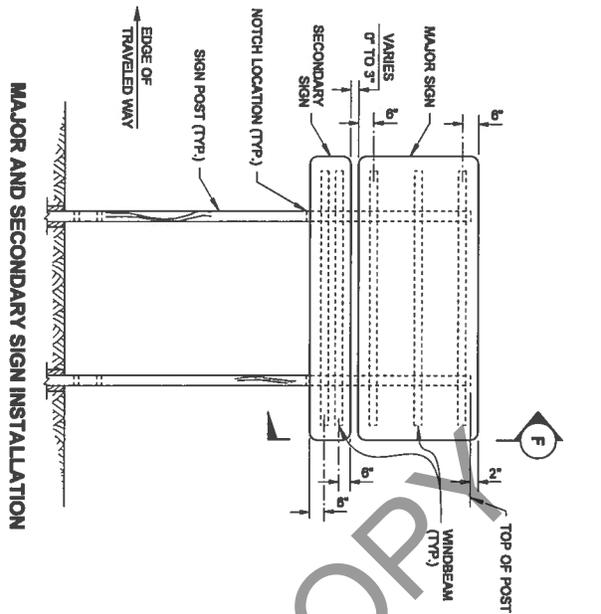
STANDARD PLAN G-22-10-01

SHEET 2 OF 3 SHEETS

APPROVED FOR PUBLICATION
 Pasco Bakotich III
 STATE DESIGN ENGINEER
 Washington State Department of Transportation
 DATE 07-03-08

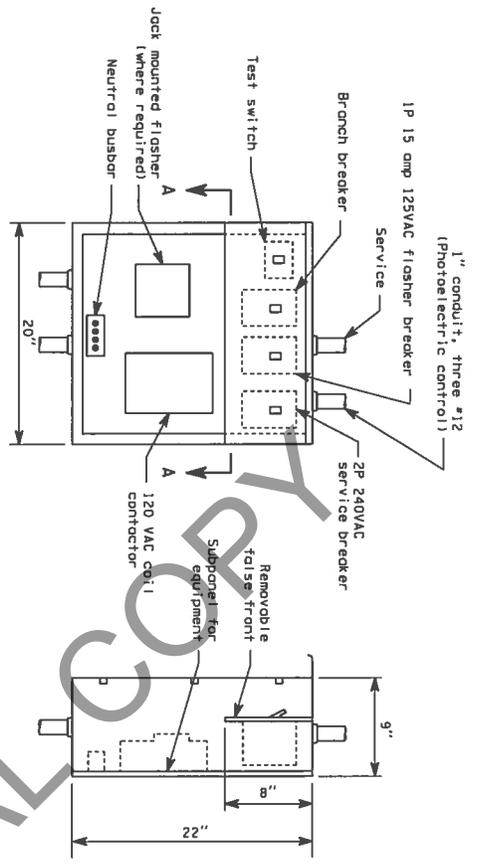


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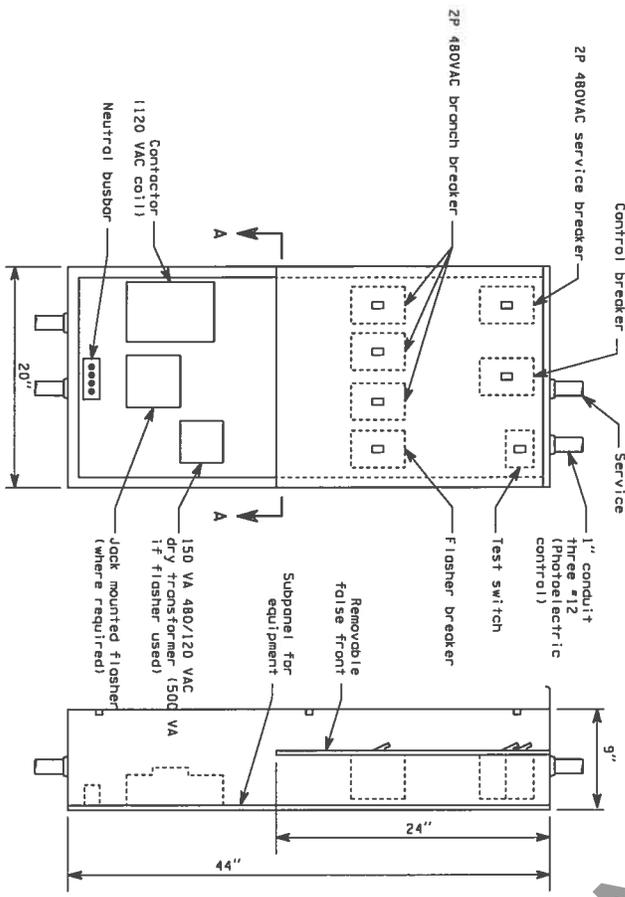


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TIMBER SIGN SUPPORT
STANDARD PLAN G-22-10-01
 SHEET 3 OF 3 SHEETS
 APPROVED FOR PUBLICATION
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 CIVIL DESIGN ENGINEER
 WASHINGTON State Department of Transportation



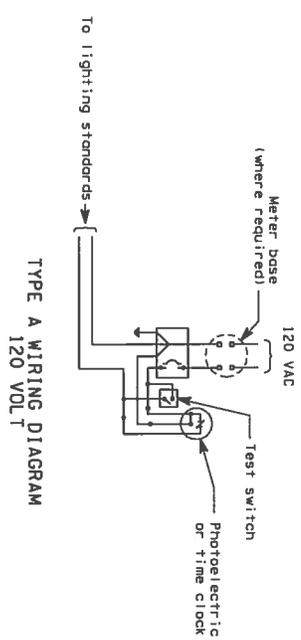
TYPE B SERVICE CABINET



TYPE C SERVICE CABINET



- NOTES:
1. Metering arrangements may vary with different serving utilities. The contractor shall verify the requirements of the utility prior to installing the service equipment.
 2. All service pole conduit shall be secured to the pole with conduit strap at 5' centers.
 3. All risers and service equipment shall be installed on side of pole that is away from traffic.
 4. Where required by the serving utility, service breakers shall be installed above the meter socket in a separate raintight enclosure.
 5. Bend and attach to pole within 1' of enclosure. See Standard Plan "Typical Grounding Details".
 6. For Type B service wiring diagram, use Standard Plan "Modified Type B Service". For Type C service wiring diagram, use Standard Plan, "Type C Service".
 7. See breaker schedule in contract for breaker and contactor sizes.



TYPE A WIRING DIAGRAM
120 VOLT

TYPE A, B AND C SERVICE LIGHTING DETAILS



STANDARD PLAN J-3

APPROVED FOR PUBLICATION

Clifford E. Mansfield
STATE DESIGN ENGINEER

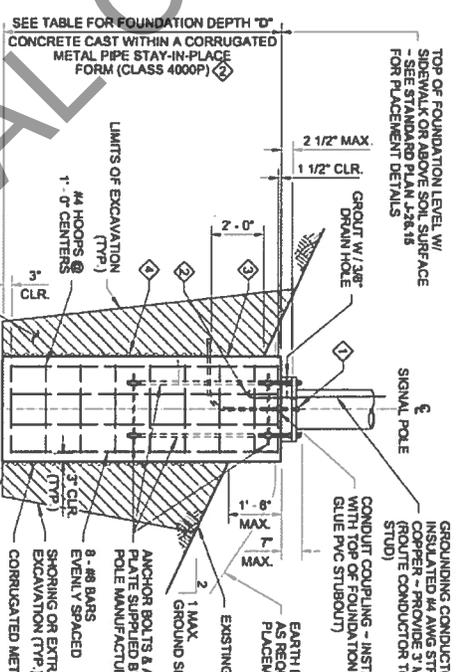
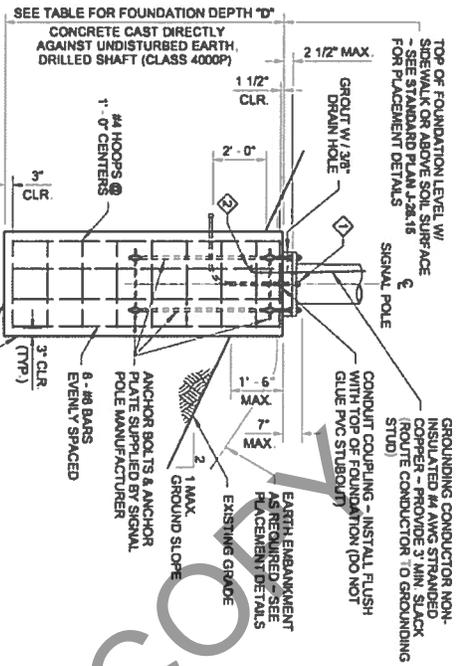
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON

DATE: 08-07-97

Sheet 2 of 2 Sheets

INFORMATIONAL COPY

DRAWN BY: LISA CYFORD



FOUNDATION REINFORCEMENT DETAIL
CONCRETE CAST DIRECTLY AGAINST UNDISTURBED EARTH, DRILLED SHAFT
ALTERNATE # 1

FOUNDATION REINFORCEMENT AND BACKFILL DETAIL
CONCRETE CAST WITHIN A CORRUGATED METAL PIPE STAY-IN-PLACE FORM
ALTERNATE # 2

FOUNDATION DEPTH "D" TABLE

ALLOWABLE LATERAL BEARING PRESSURE	FOR LATERAL BEARING PRESSURE = 2500 PSF & Ø = 23", 1500 PSF & Ø = 18", 1000 PSF & Ø = 17"									
	700	900	1350	1500	1900	2300	2500	2900	3000	XYZ (FT)
1000 PSF	3'-0" ROUND	10'-0"	10'-0"	11'-0"	11'-0"	15'-0"	18'-0"	20'-0"	20'-0"	20'-0"
	3'-0" SQUARE	8'-0"	8'-0"	9'-0"	9'-0"	10'-0"	11'-0"	12'-0"	12'-0"	12'-0"
	4'-0" ROUND	8'-0"	8'-0"	9'-0"	9'-0"	10'-0"	11'-0"	12'-0"	12'-0"	12'-0"
	3'-0" ROUND	8'-0"	8'-0"	9'-0"	9'-0"	11'-0"	13'-0"	15'-0"	18'-0"	18'-0"
	3'-0" SQUARE	7'-0"	7'-0"	7'-0"	8'-0"	8'-0"	9'-0"	10'-0"	10'-0"	10'-0"
	4'-0" ROUND	7'-0"	7'-0"	7'-0"	8'-0"	8'-0"	9'-0"	10'-0"	10'-0"	10'-0"
	3'-0" ROUND	6'-0"	6'-0"	7'-0"	7'-0"	8'-0"	8'-0"	10'-0"	10'-0"	15'-0"
	3'-0" SQUARE	6'-0"	6'-0"	7'-0"	7'-0"	7'-0"	7'-0"	8'-0"	8'-0"	8'-0"
	4'-0" ROUND	6'-0"	6'-0"	7'-0"	7'-0"	7'-0"	7'-0"	8'-0"	8'-0"	8'-0"
	4'-0" ROUND	6'-0"	6'-0"	7'-0"	7'-0"	7'-0"	7'-0"	8'-0"	8'-0"	8'-0"
1500 PSF	3'-0" ROUND	11'-0"	11'-0"	12'-0"	14'-0"	18'-0"	18'-0"	21'-0"	21'-0"	21'-0"
	3'-0" SQUARE	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	13'-0"	13'-0"	13'-0"
	4'-0" ROUND	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	13'-0"	13'-0"	13'-0"
	3'-0" ROUND	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	14'-0"	14'-0"	18'-0"
	3'-0" SQUARE	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	12'-0"	12'-0"	12'-0"
	4'-0" ROUND	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	12'-0"	12'-0"	12'-0"
	3'-0" ROUND	9'-0"	9'-0"	10'-0"	12'-0"	12'-0"	14'-0"	14'-0"	18'-0"	18'-0"
	3'-0" SQUARE	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	10'-0"	10'-0"	11'-0"	11'-0"
	4'-0" ROUND	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	10'-0"	10'-0"	11'-0"	11'-0"
	4'-0" ROUND	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	10'-0"	10'-0"	12'-0"	12'-0"
2500 PSF OR GREATER	3'-0" ROUND	11'-0"	11'-0"	11'-0"	14'-0"	18'-0"	18'-0"	21'-0"	21'-0"	21'-0"
	3'-0" SQUARE	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	13'-0"	13'-0"	13'-0"
	4'-0" ROUND	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	13'-0"	13'-0"	13'-0"
	3'-0" ROUND	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	14'-0"	14'-0"	18'-0"
	3'-0" SQUARE	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	12'-0"	12'-0"	12'-0"
	4'-0" ROUND	10'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	12'-0"	12'-0"	12'-0"
	3'-0" ROUND	9'-0"	9'-0"	10'-0"	12'-0"	12'-0"	14'-0"	14'-0"	18'-0"	18'-0"
	3'-0" SQUARE	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	10'-0"	10'-0"	11'-0"	11'-0"
	4'-0" ROUND	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	10'-0"	10'-0"	11'-0"	11'-0"
	4'-0" ROUND	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	10'-0"	10'-0"	12'-0"	12'-0"

ALTERNATE #2 CONSTRUCTION METHOD
METAL (SUBSURFACE) FORM REQUIRED

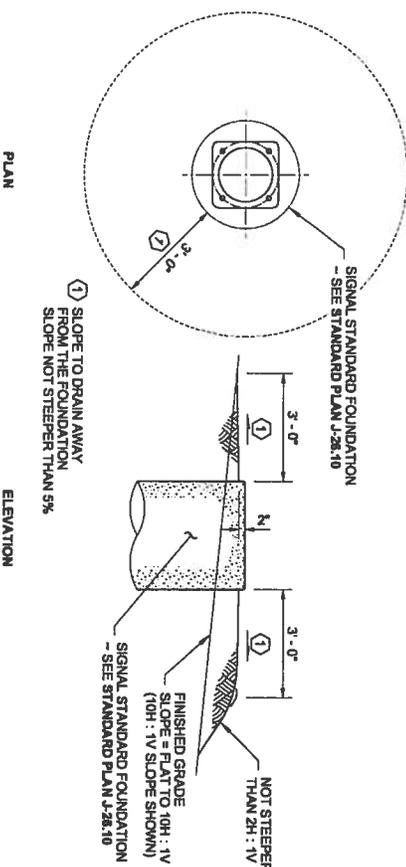
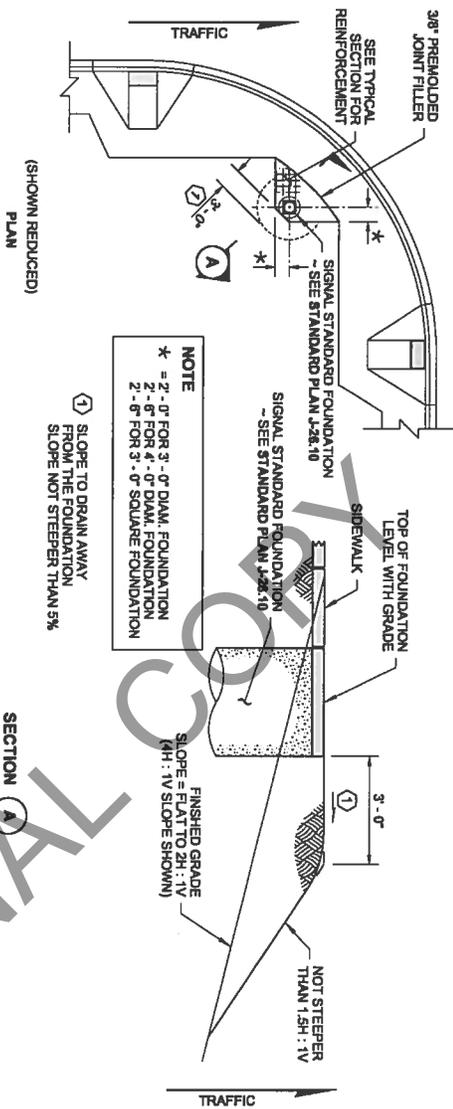
- NOTES**
1. This structure has been designed according to the Fifth Edition 2009 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Basic wind velocity is 90 mph. Design Life/Return Period Interval 50 years, and Fatigue Category III.
 2. Foundations are designed for Type II, III, and SD Signal Standards with a maximum mast arm length of 65'.
 3. Foundations are designed for Single Mast Arm Standards and Double Mast Arm Standards with 90° between arms. Special foundation design is required for Double Mast Arm Standards where the angle between mast arms is other than 90°. For Double Mast Arm Standards with 90° between arms, use larger XYZ value for foundation depth selection.
 4. Foundations not within the parameters of this standard require Special Design. Contact the WSDOT Bridge and Structures Office through the Engineer for Special Foundation Designs.
 5. Foundations constructed within Ecology Embankments shall be increased in depth by the depth of the Ecology Embankment.
 6. The top 2 feet of the foundation shall use a smooth form (such as paper or cardboard). After the concrete has cured, this entire form shall be removed.
 7. For design parameters between the values listed in Table, depth requirements may be interpolated between the values provided.
 8. Install Signal Foundation Identification Tag. See Standard Plan J-28-15 for details.



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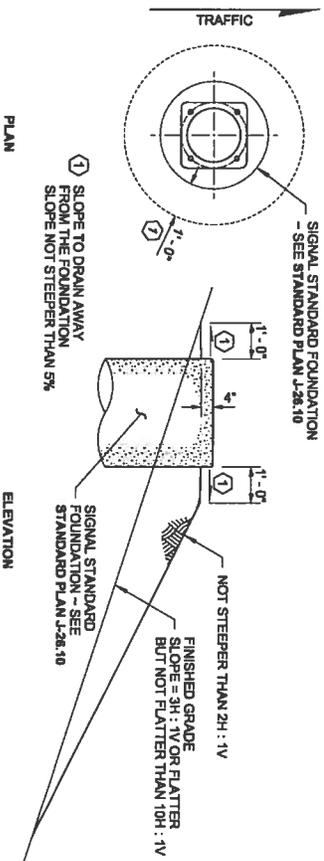
SIGNAL STANDARD FOUNDATION PLAN
STANDARD PLAN J-26-10-02

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Pasco Bakotch III
 STATE DESIGN ENGINEER
 Washington State Department of Transportation
 03-15-12
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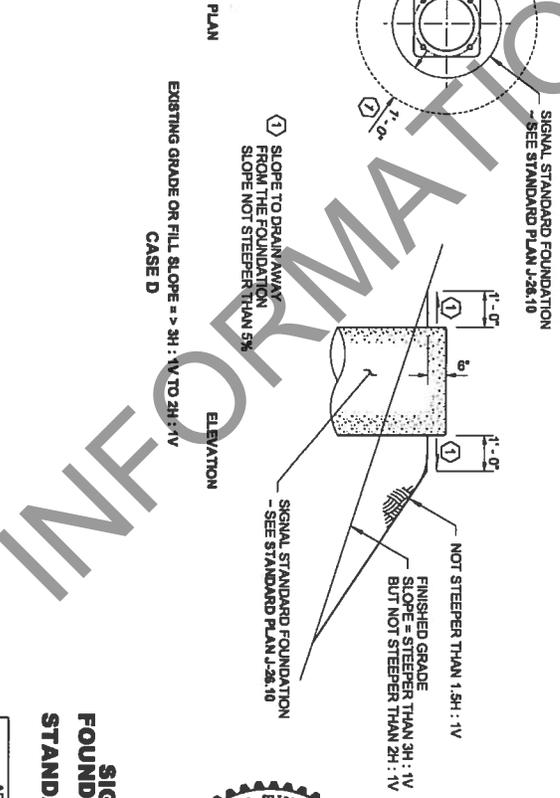


FOUNDATION IN OR NEAR SIDEWALK
CASE A

EXISTING GRADE OR FILL SLOPE = FLAT TO 10H:1V
CASE B



EXISTING GRADE OR FILL SLOPE = 10H:1V TO 5H:1V
CASE C



EXISTING GRADE OR FILL SLOPE = > 5H:1V TO 2H:1V
CASE D

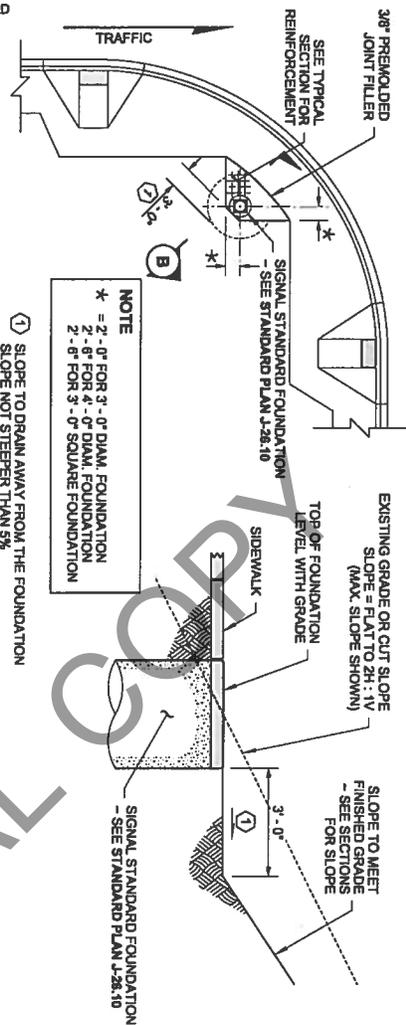
**SIGNAL STANDARD
FOUNDATION PLACEMENTS
STANDARD PLAN J-26.15-01**

SHEET 1 OF 3 SHEETS
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STATE DESIGN/ENGINEER
Washington State Department of Transportation

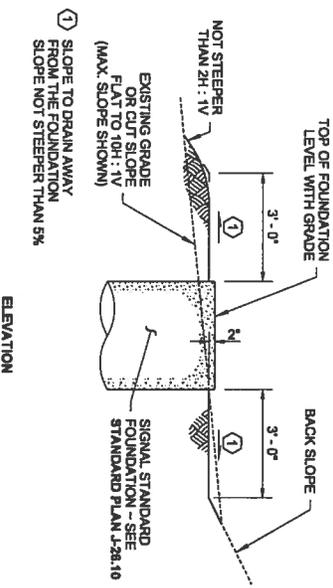
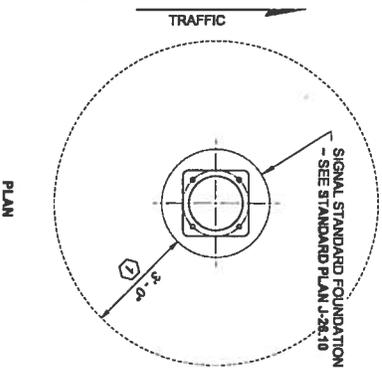


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INFORMATION

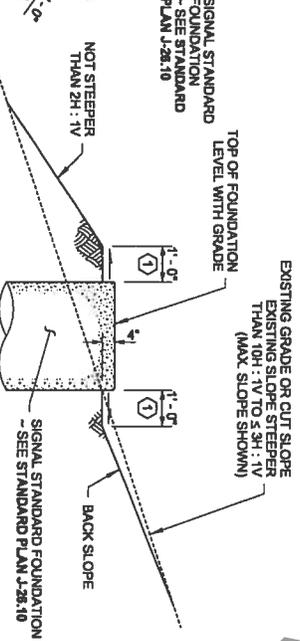
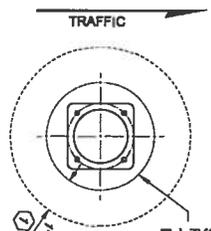


NOTE
 * = 2'-0" FOR 3'-0" DIAM FOUNDATION
 * = 2'-8" FOR 4'-0" DIAM FOUNDATION
 * = 3'-8" FOR 3'-0" SQUARE FOUNDATION

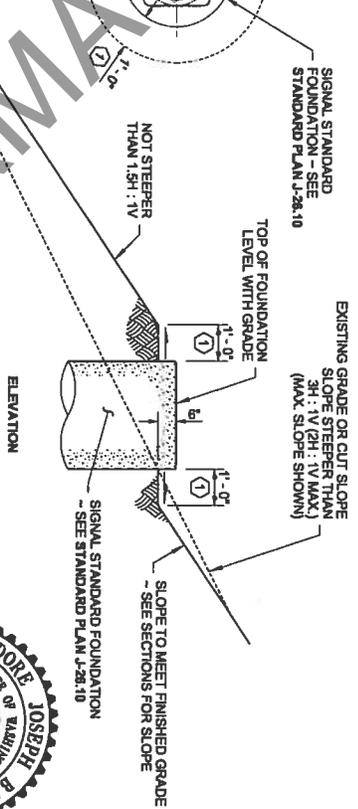


**FOUNDATION IN OR NEAR SIDEWALK
 CASE E**

**EXISTING GRADE OR CUT SLOPE FLAT TO 10H : 1V
 CASE F**



**EXISTING GRADE OR CUT SLOPE 10H : 1V TO 5 3H : 1V
 CASE G**



**EXISTING GRADE OR CUT SLOPE STEEPER THAN 3H : 1V (2H : 1V MAX.)
 CASE H**

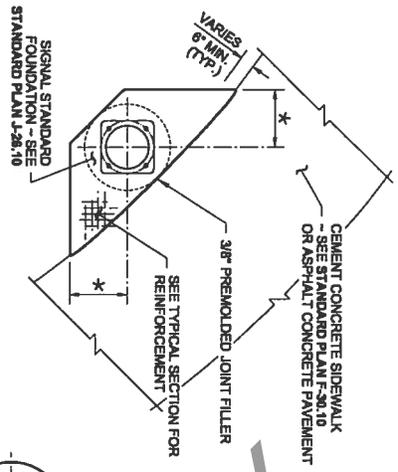


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**SIGNAL STANDARD
 FOUNDATION PLACEMENTS
 STANDARD PLAN J-26.15-01**

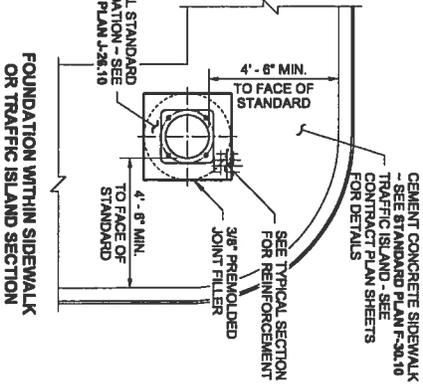
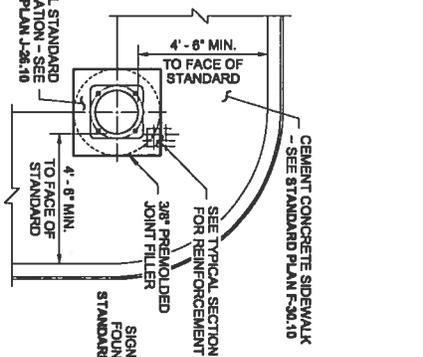
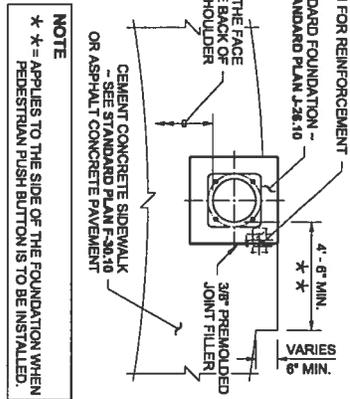
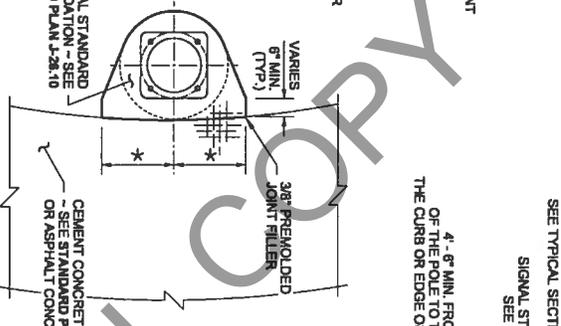
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 Washington State Department of Transportation

SHEET 2 OF 3 SHEETS

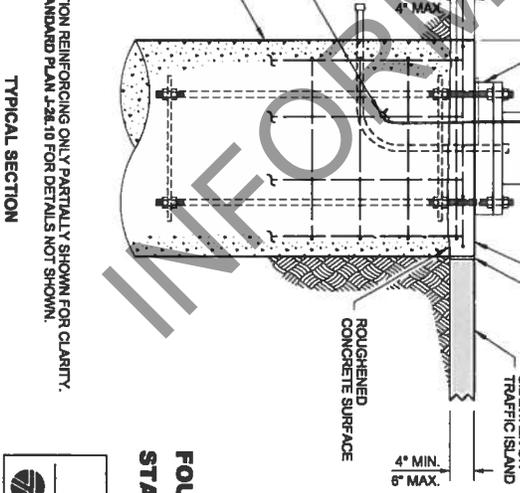
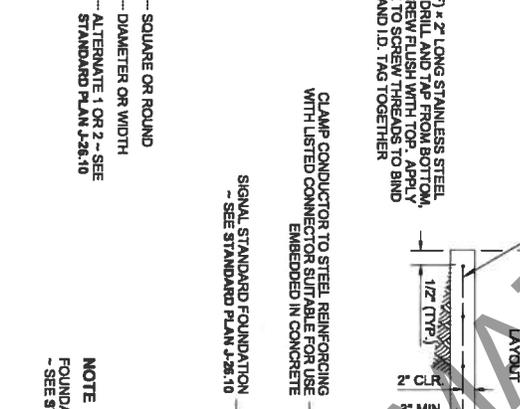
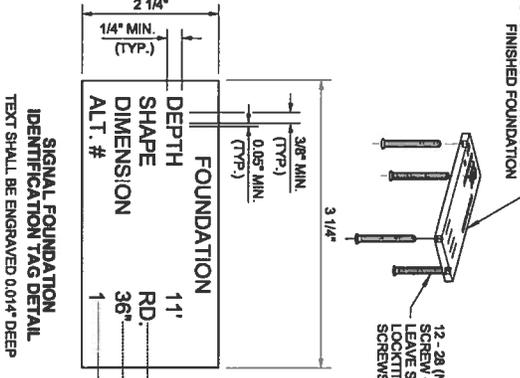
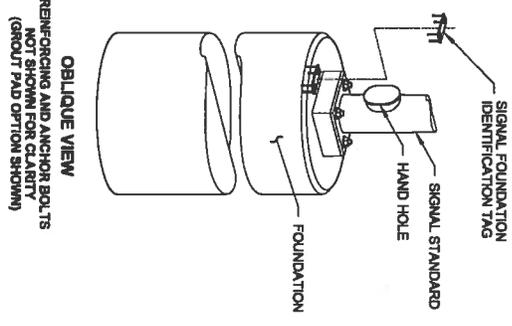


NOTE
 * = 2'-0" FOR 3'-0" DIA. FOUNDATION
 * = 2'-6" FOR 4'-0" DIA. FOUNDATION
 * = 2'-6" FOR 3'-0" SQUARE FOUNDATION

FOUNDATION OUTSIDE THE SIDEWALK SECTION



NOTE
 REFER TO CONTRACT DOCUMENTS FOR PROJECT SPECIFIC INTERSECTION LAYOUTS & TRAFFIC ISLAND MATERIAL TYPE



SIGNAL STANDARD FOUNDATION PLACEMENTS STANDARD PLAN J-26.15-01
 SHEET 3 OF 3 SHEETS



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 STATE DESIGN ENGINEER
 DATE
 Washington State Department of Transportation

NOTE
 FOUNDATION REINFORCING ONLY PARTIALLY SHOWN FOR CLARITY.
 - SEE STANDARD PLAN J-26.10 FOR DETAILS NOT SHOWN.

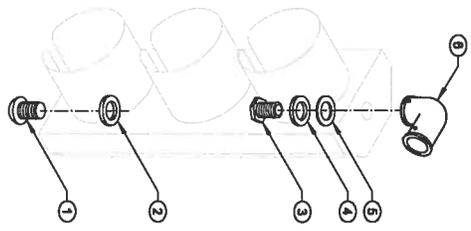
SIGNAL FOUNDATION IDENTIFICATION TAG DETAIL
 TEXT SHALL BE ENGRAVED 0.014" DEEP

OBLIQUE VIEW
 REINFORCING AND ANCHOR BOLTS NOT SHOWN FOR CLARITY (GROUT PAD OPTION SHOWN)

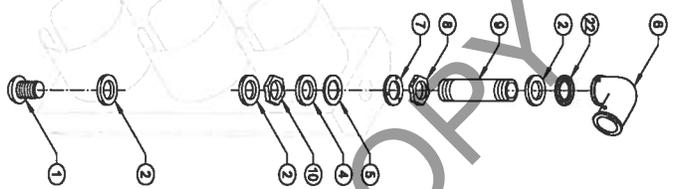
KEY

- 1 END CAP
- 2 1 1/2" DIAM. CONDUIT LOCKOUT
- 3 1 1/2" DIAM. LOCKRIPPLE
- 4 STEEL WASHER
- 5 NEOPRENE GASKET
- 6 BRONZE SEPARATED BALL FITTING WITH:
 - 3/8" STAINLESS STEEL THROUGH BOLT AND NUTS
 - THREE STAINLESS STEEL THROUGH SCREWS AT SUPPORTER CONNECTION
 - THREE ALLEN HEAD STAINLESS STEEL SET SCREWS AT CONDUIT NIPPLE CONNECTION
- 7 SEPARATED RING WITH PINS
- 8 HEX LOCKOUT WITH:
 - TWO ALLEN HEAD STAINLESS STEEL SET SCREWS
 - PIN RECEPTACLES
- 9 1 1/2" DIAM. CONDUIT NIPPLE
- 10 1 1/2" DIAM. HEX LOCKOUT
- 11 MOUNTING ASSEMBLY
- 12 BRONZE ELEVATOR RULMBRGER WITH 3/8" STAINLESS STEEL THROUGH BOLT, WASHERS, AND TWO NUTS
- 13 ALUMINUM ARM WITH SET SCREW
- 14 SLOTTED TUBE WITH CLOSURE STRIP
- 15 2 1/2" I.D. MIN. TUBE CLAMP
- 16 INTERNALLY THREADED CLAMP ASSEMBLY WITH:
 - TWO SET SCREWS
 - TWO ALLEN HEAD STAINLESS STEEL BANDS
 - 7/16" SCREW BUSHERS
 - BAND CLIPS WITH ALLEN HEAD STAINLESS STEEL SET SCREWS
- 17 BRONZE MESSENGER HANGER WITH:
 - 1/2" DIAM. PINS
 - SCALE LOCK BAR
 - PINLET
 - COTTER KEY
- 18 BRONZE INTERNALLY THREADED WIRE ENTRANCE WITH:
 - BRONZE SET SCREW
 - ALLEN HEAD STAINLESS STEEL SET SCREW
- 19 BRONZE BALANCE ADJUSTER
- 20 MULTI-HEAD MOUNTING ASSEMBLY
- 21 SPIDER ASSEMBLY
- 22 SEPARATED RING WITH NO PINS
- 23 SEPARATED WASHER

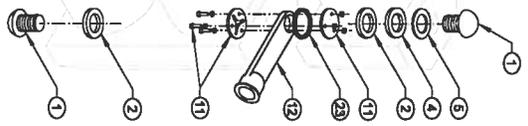
ARM MOUNT TYPE L



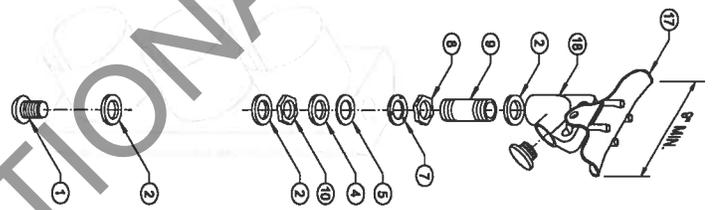
ARM MOUNT TYPE LE (WITH EXTENSION FITTINGS)



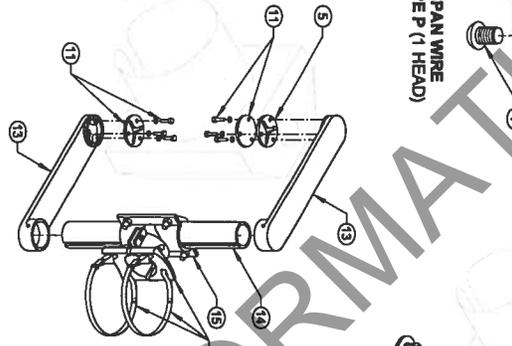
ARM MOUNT TYPE M



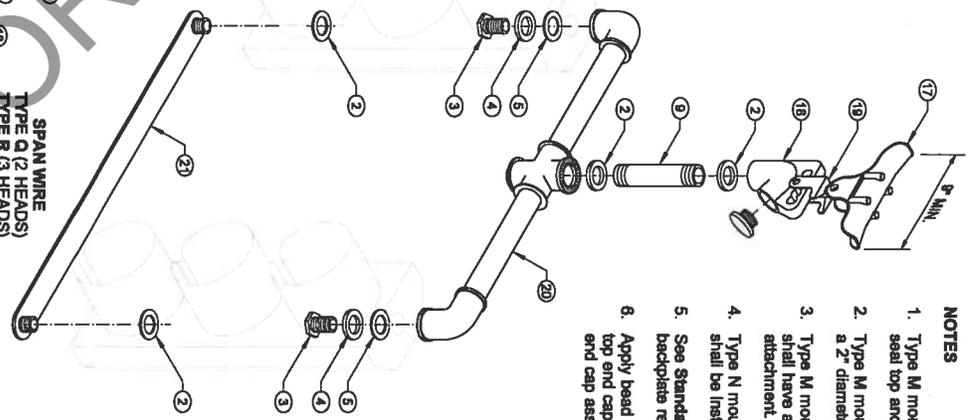
SPAN WIRE TYPE P (1 HEAD)



ARM MOUNT TYPE N



**SPAN WIRE TYPE Q (2 HEADS)
TYPE R (3 HEADS)
TYPE S (4 HEADS)**



NOTES

1. Type M mounting shall have "O" ring groove and seat top and bottom of signal attachment.
2. Type M mounting for conventional heads shall have a 2" diameter opening at the signal attachment.
3. Type M mounting for optically programmed heads shall have a 3 1/2" diameter opening at the signal attachment.
4. Type N mounting with optically programmed heads shall be installed with 1/4" nominal arms.
5. See Standard Plan J-75-30 for tether wire, and backplate requirements.
6. Apply bead of silicone around the perimeter of all top end cap openings prior to installation of the end cap assembly.



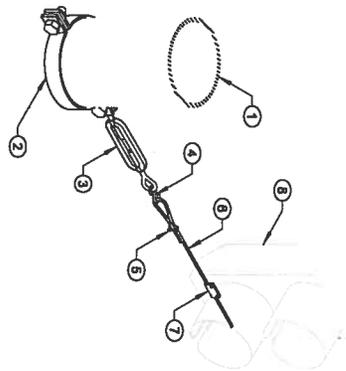
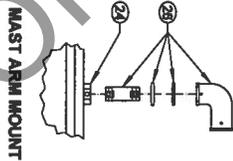
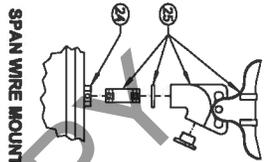
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**SIGNAL HEAD MOUNTING
DETAILS MAST ARM AND
SPAN WIRE MOUNTINGS
STANDARD PLAN J-75-20-00**

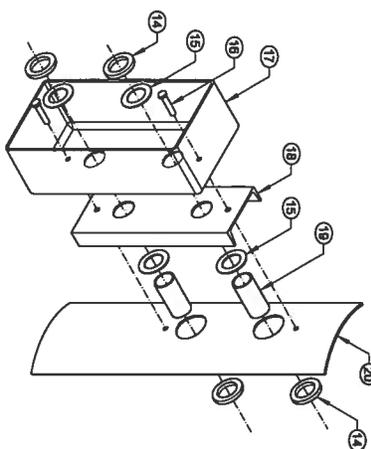
SHEET 1 OF 1 SHEET
 APPROVED FOR PUBLICATION
Pasco Bakotch III 02-10-09
 STATE DESIGN ENGINEER
 DATE
 Washington State Department of Transportation

KEY

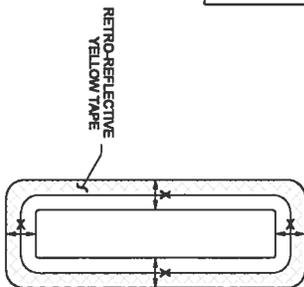
- 1 METAL OR TIMBER POLE
- 2 2" x 3/8" STAINLESS STEEL BAND WITH 2 EACH:
 - * 3/8-10 NC x 2 3/4" S. S. HEX HEAD BOLT
 - LOCK WASHERS AND NUTS
- 3 5/8" EYE AND EYE TURNBUCKLE
- 4 3/8" MILD STEEL S-SHOOK
- 5 1/8" S. S. WIRE ROPE CLAMP (U-BOLT TYPE)
- 6 1/8" STAINLESS STEEL TETHER WIRE
- 7 WIRE CLAMP WITH LEAD WIRE WRAP
- 8 SIGNAL HEAD
- 8 x 0.2 LEFT CHANNEL
- 10 2 EACH:
 - * 1/2-20 NF x 3/4" STAINLESS STEEL HEX HEAD BOLT
 - LOCK WASHERS (DRILL AND TAP POLE TO ACCEPT)
- 11 WIREWAY (SEE DETAIL THIS SHEET)
- 12 METAL POLE
- 13 CABINET
- 14 END BUSHING
- 15 SEALING LOCKNUT
- 17 CABINET WALL DRILLED 1/8" OVERSIZE OF NIPPLE
- 18 12-13 NC x 2 1/2" S. S. HEX HEAD BOLT
- 19 CHANNEL DRILLED 1/8" OVERSIZE OF NIPPLE
- 20 2" DIA. x 4" NIPPLE (UNLESS OTHERWISE NOTED)
- 21 POLE DRILLED SO BUSHING WILL PASS THROUGH
- 22 BOSS EXTRUDED ALUMINUM FRAME
- 23 PART/20W FLUORESCENT TUBES (4 EACH)
- 24 TRANSLUCENT FLEXIGLASS SIGN FACE
- 25 1 1/2" CAST IRON HUB WITH 5/16" PIN AND COTTER KEY
- 29 SPAN WIRE MOUNT ASSEMBLY WITH:
 - * 1 1/2" DIA. CONDUIT LOCKNUT
 - * 1 1/2" DIA. CONDUIT NIPPLE
 - * BRONZE WASHERS
 - * 1/2" DIA. BOLTS
 - CABLE LOCK BAR
 - RIVET
 - COTTER KEY
- 30 BRONZE INTERNALLY THREADED WIRE ENTRANCE WITH:
 - ALLEN HEAD STAINLESS STEEL SET SCREW
 - BRUSHING INSERT
- 31 ARM MOUNT ASSEMBLY WITH:
 - * 1 1/2" DIA. CONDUIT LOCKNUT
 - * BRONZE SERATED EL FITTING WITH:
 - 3/8" STAINLESS STEEL THROUGH BOLT AND NUTS
 - THREE STAINLESS STEEL SET SCREWS AT SLIPFITTER CONNECTION
 - THREE ALLEN HEAD STAINLESS STEEL SET SCREWS AT CONDUIT NIPPLE CONNECTION
 - * 1 1/2" DIA. CONDUIT NIPPLE
 - * SERATED RING WITH NO PINS
- 32 SIDE POLE MOUNT ASSEMBLY WITH:
 - * 1 1/2" DIA. CONDUIT LOCKNUT
 - * 1 1/2" DIA. CONDUIT NIPPLE
 - * SERATED RING WITH NO PINS
- 33 1 1/2" SERATED ELBOW
- 34 2 EACH:
 - * 1/2-20 NF x 3/4" STAINLESS STEEL HEX HEAD BOLT
 - LOCK WASHERS (DRILL AND TAP POLE TO ACCEPT)
- 35 MOUNTING BRACKET



TETHER WIRE DETAIL
ISOMETRIC VIEW



WIREWAY DETAIL
ISOMETRIC VIEW

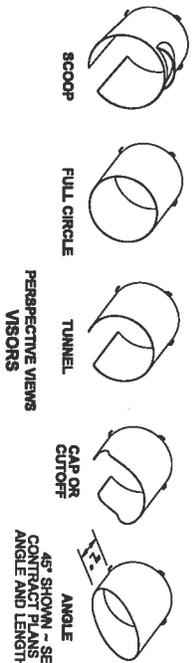


BACKPLATE DETAIL
8" OR 12" SECTIONS

8" SECTION X = 8" ± 1/2"
12" SECTION X = 5 1/2" ± 1/2"

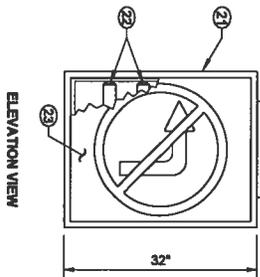


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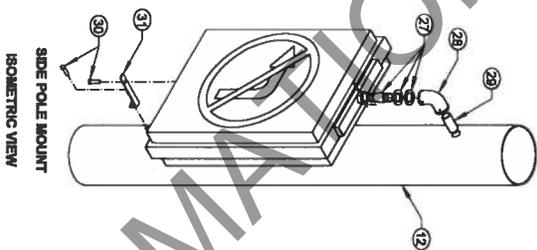


PERSPECTIVE VIEWS OF VISORS

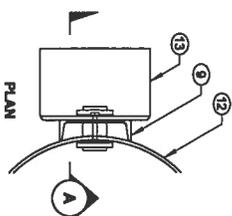
45° SHOWN - SEE CONTACT PLANS FOR ANGLE AND LENGTH 'L'



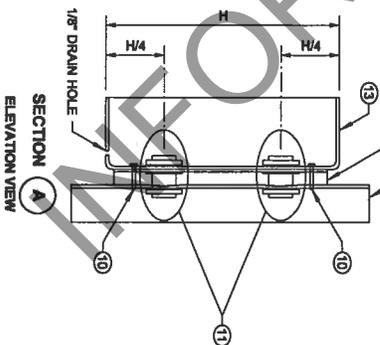
INTERNALLY ILLUMINATED SIGN DETAILS
ELEVATION VIEW



SIDE POLE MOUNT
ISOMETRIC VIEW



PLAN



SECTION A-A
ELEVATION VIEW

CABINET MOUNTING DETAILS

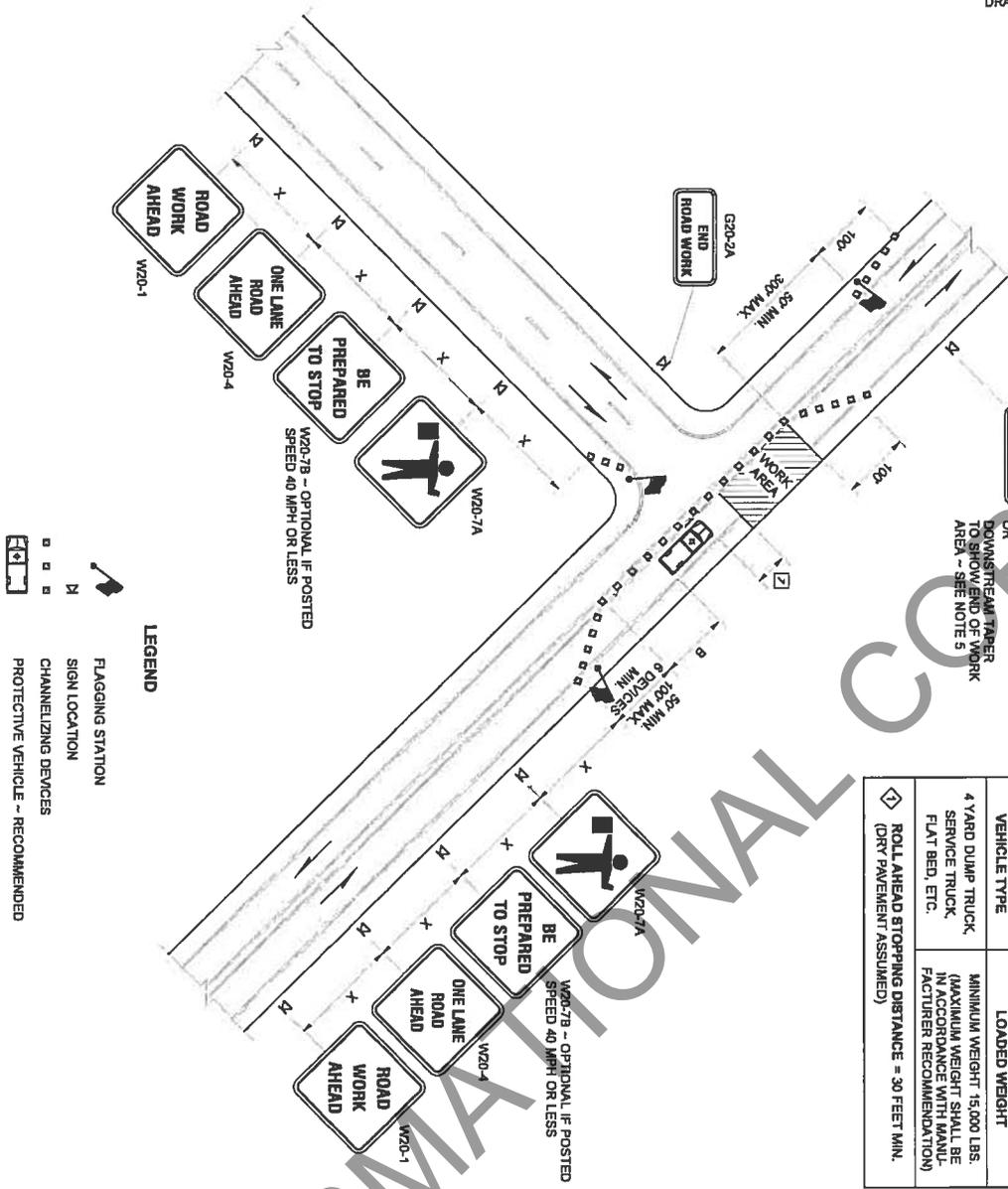
NOTES

1. Backplates shall be installed with 6 stainless steel screws and washers.
2. Silicone top of channel and around nipples at openings into pole.

MISCELLANEOUS SIGNAL DETAILS
STANDARD PLAN J-75-300-01

SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION

Pasco Bakotch III 05-11-11
STATE DESIGN ENGINEER
Washington State Department of Transportation



LONGITUDINAL BUFFER SPACE = B

POSTED SPEED (MPH)	25	30	35	40	45	50	55	60	65
LENGTH B (FEET)	155	200	250	305	360	425	485	570	645

BUFFER DATA

TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	LOADED WEIGHT
VEHICLE TYPE	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
4 YARD DUMP TRUCK SERVICE TRUCK, FLAT BED, ETC.	
ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

LEGEND

- FLAGGING STATION
- SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE - RECOMMENDED

- NOTES**
1. A Protective Vehicle is recommended regardless if a Truck Mounted Attenuator (TMA) is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
 2. Night work requires additional roadway lighting at flagging stations. See WSDOT Standard Specifications for additional details.
 3. Extend Channelizing Device taper across shoulder ~ recommended.
 4. Sign sequence is the same for both directions of travel on the roadway.
 5. Channelizing Device spacing for the downstream taper option shall be 20' O.C.
 6. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual MS-05.

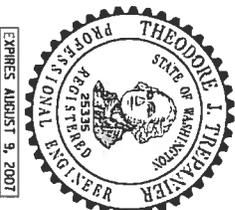
SIGN SPACING = X (1)

RURAL HIGHWAYS	80 / 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)

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

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**LANE CLOSURE
WITH FLAGGER CONTROL
STANDARD PLAN K-20.40-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith
STATE DESIGN ENGINEER

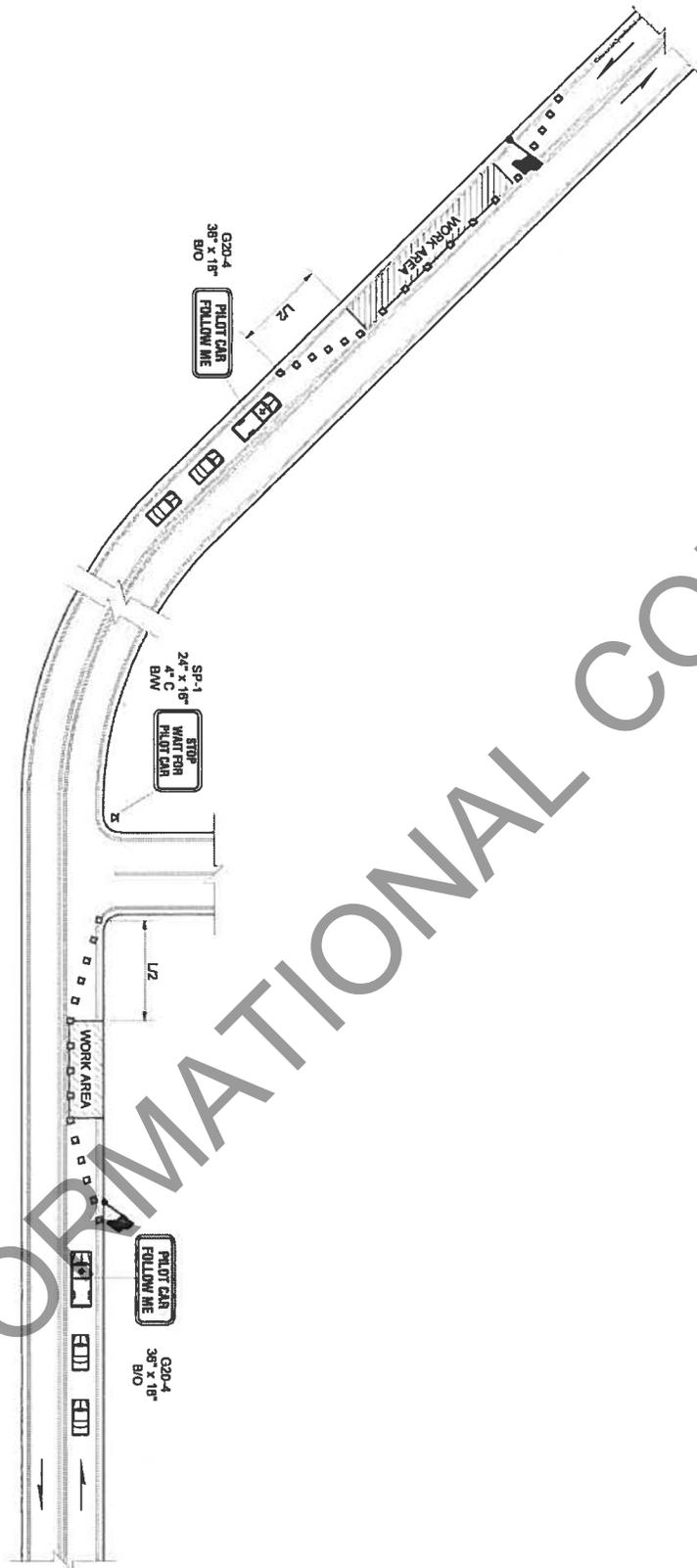
DATE: **02-15-07**

Washington State Department of Transportation

MINIMUM TAPER LENGTH = L (FEET)	
LANE WIDTH (FEET)	POSTED SPEED (MPH)
25	30
30	35
35	40
40	45
45	50
50	55
55	60
60	65
65	70
70	75
75	80
80	85
85	90
90	95
95	100
100	105
105	110
110	115
115	120
120	125

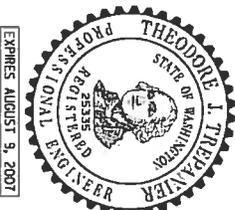
CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 65	40	80
35 / 45	30	60
25 / 30	20	40

- NOTES**
1. 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 all flagging stations.
 2. Night work requires additional roadway lighting at flagging stations. See WSDOT Standard Specifications for additional details.
 3. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.
 4. See Standard Plan K-20.40 for additional details.



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**LANE CLOSURE
WITH PILOT CAR
STANDARD PLAN K-20.60-00**

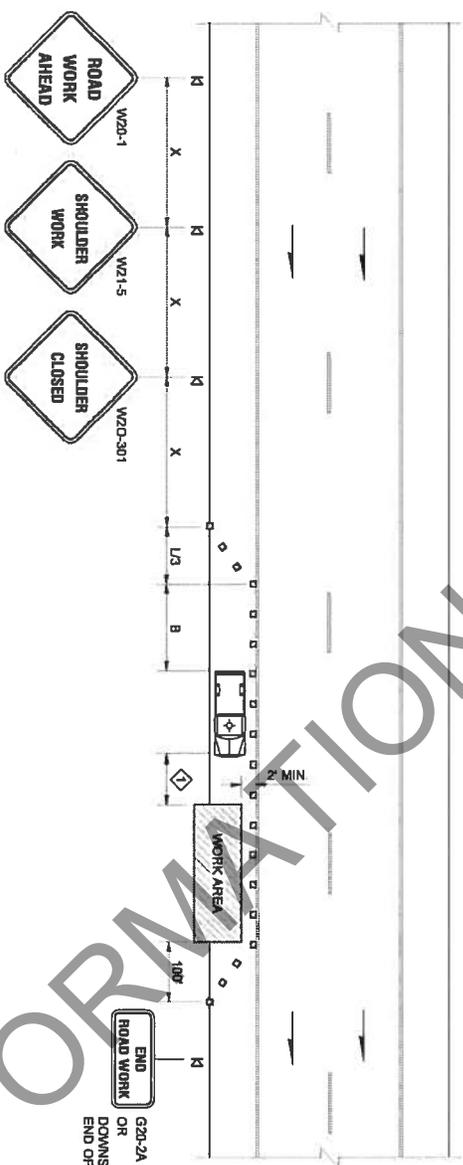
BHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Ken L. Smith 02-15-07
STATE REGISTERED ENGINEER DATE
Washington State Department of Transportation

LONGITUDINAL BUFFER SPACE = B										
POSTED SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH B (FEET)	SEE STD. PLAN K-40.40	360	425	495	570	645	730			

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
◇ ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRT PAVEMENT ASSUMED)	

MINIMUM TAPER LENGTH = L (FEET)										
SHOULDER WIDTH (FEET)	25	30	35	40	45	50	55	60	65	70
6	SEE STD. PLAN	270	300	330	360	390	420			
8	K-40.40	360	400	440	480	520	560			
10		450	500	550	600	650	700			
LESS THAN 6 3 DEVICES MINIMUM, SPACED 10' O.C.										

CHANNELIZING DEVICE SPACING			
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)	
50 / 70	40	80	
45 / 50	30	60	



G20-2A
OR
DOWNSTREAM TAPER TO SHOW
END OF WORK AREA - SEE NOTE 2

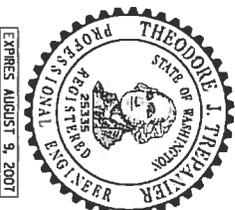
- NOTES**
1. A Protective Vehicle is recommended regardless if a TMA is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
 2. Channelizing Device spacing for the downstream taper option shall be 20' O.C.
 3. No Encroachment on the traveled lane is permitted. If Encroachment is necessary, the lane shall be closed (see Standard Plan K-24.20).
 4. Signs to be post mounted for long term projects.
 5. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual MS5-05.

SIGN SPACING = X		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.

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EXPIRES AUGUST 9, 2007

**SHOULDER CLOSURE
~ HIGH SPEED ROADWAY
(45 MPH OR HIGHER)
STANDARD PLAN K-40.20-00**

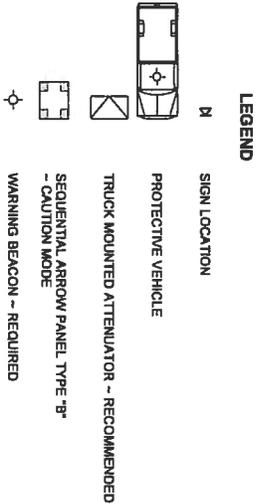
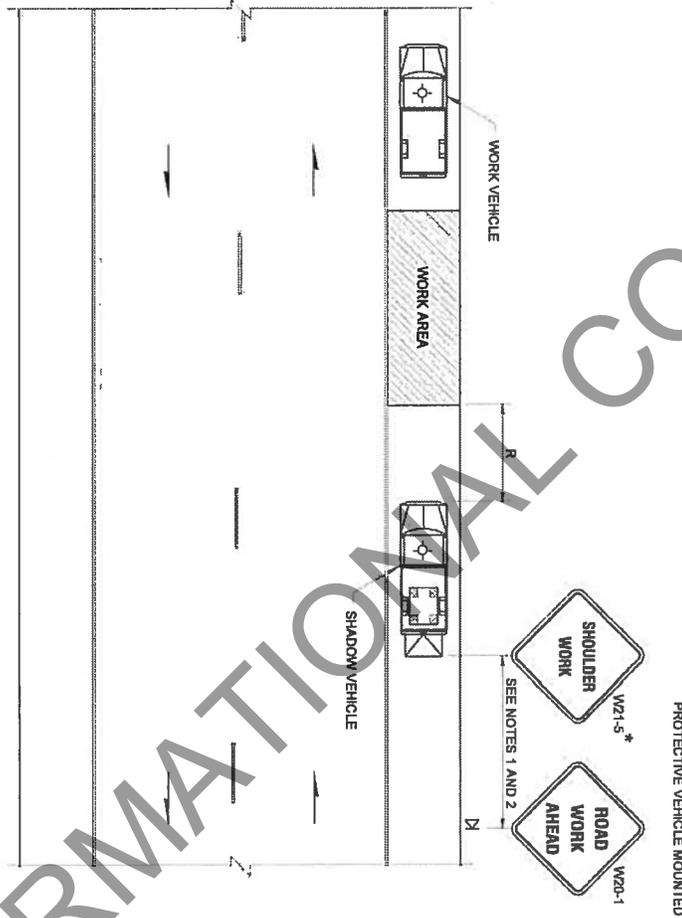
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith 02-15-07
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

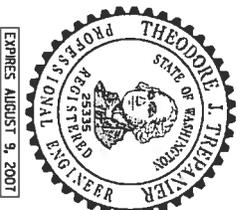
PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R		
TYPICAL PROTECTIVE VEHICLE WITH TMA		
VEHICLE TYPE	LOADED WEIGHT	STATIONARY OPERATION
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT - 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)	30 FEET
ROLL AHEAD DISTANCES VARY AND SHALL BE DETERMINED IN FIELD BASED ON WORK OPERATION AND SITE SPECIFIC CONDITIONS		



- NOTES**
- In those situations where multiple work locations within a limited distance make it practical to place stationary signs, the distance between the advance Warning Sign and the Work Area should not exceed 5 miles.
 - In those situations where the distance between the advance signs and the Work Area is 2 to 5 miles, a Supplemental Distance plaque should be used with the ROAD WORK AHEAD sign.
 - No encroachment into traffic lane is permitted with this plan.
 - Work vehicle and Shadow vehicle shall use Warning Beacons.
 - Shadow vehicle shall maintain 500' to 1000' of sight distance to approaching traffic.
 - For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

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**SHOULDER CLOSURE
~ SHORT DURATION
STANDARD PLAN K-40.60-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

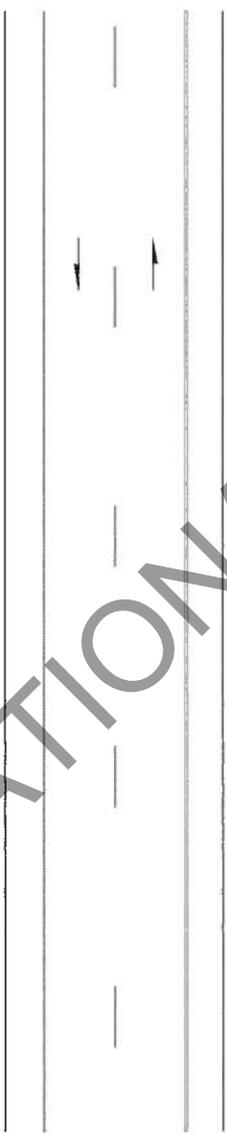
Ken L. Smith 02-15-07
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

SIGN SPACING = X (1)			
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)	

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



LEGEND
 X SIGN LOCATION

NOTES

1. The sign shown is not required in the following cases: the work space is behind a barrier, or more than 2' behind the curb, or more than 15' from the edge of a roadway.
2. For sign size, refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual MS5-05.

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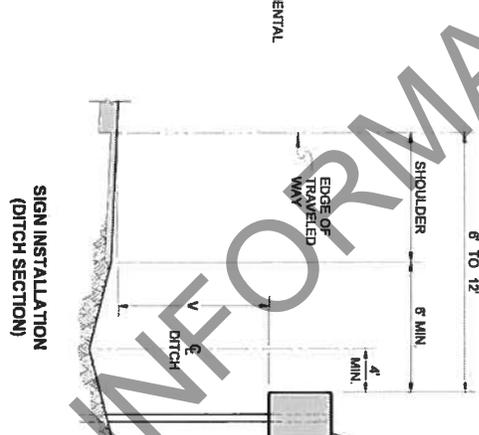
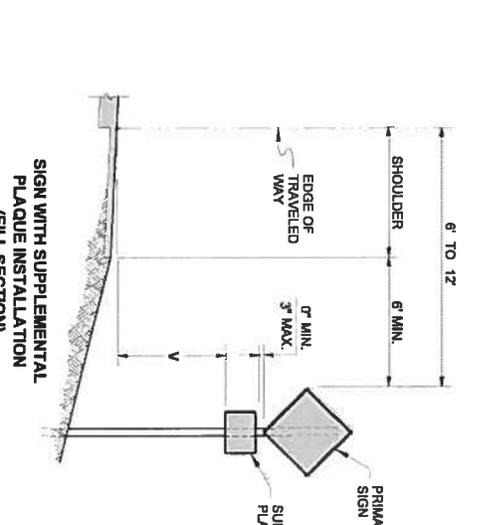
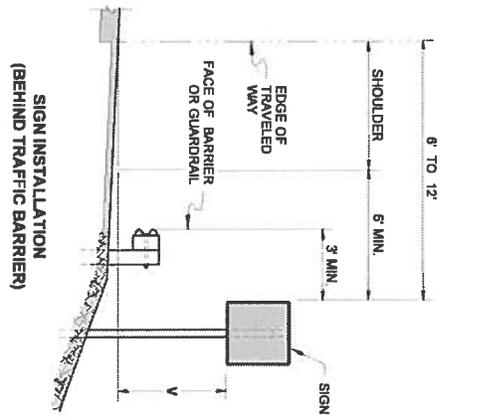
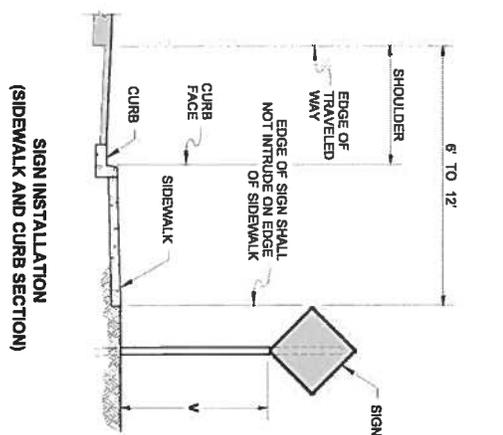
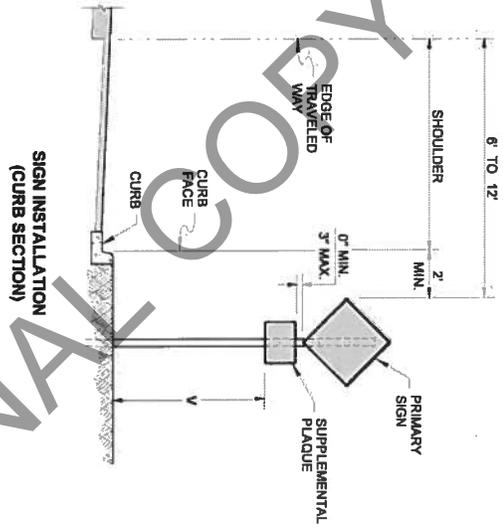
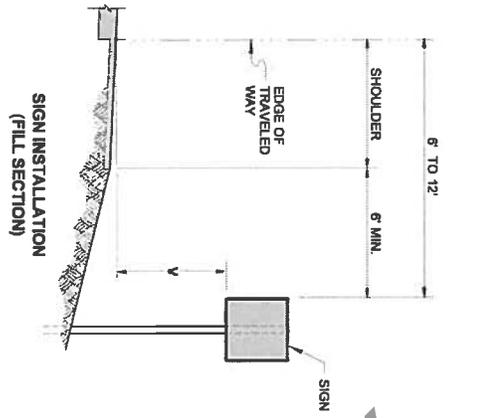


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**WORK BEYOND
 THE SHOULDER
 STANDARD PLAN K-40.80-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Ken L. Smith 02-15-07
STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation



- NOTES**
1. For sign installation details, see Std. Plan G- series.
 2. In rural areas, the "V" Height can be a minimum of 7 feet for primary signs and 6 feet for the supplemental plaques for greater visibility, as directed by the engineer.
 3. The "V" height for signs, with an area of more than 50 square feet and two or more sign supports, is 7 feet in both rural and urban areas.

HEIGHT V	
TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
RURAL 5' MINIMUM	4' MINIMUM
URBAN 7' MINIMUM	6' MINIMUM



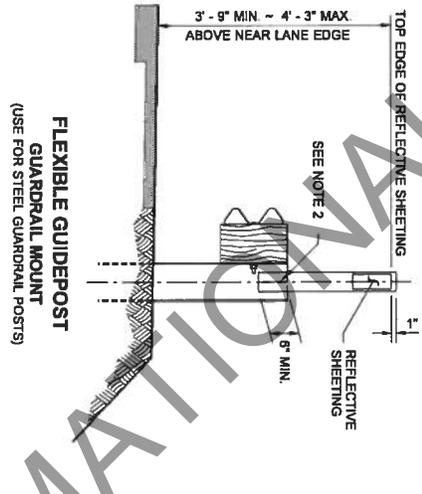
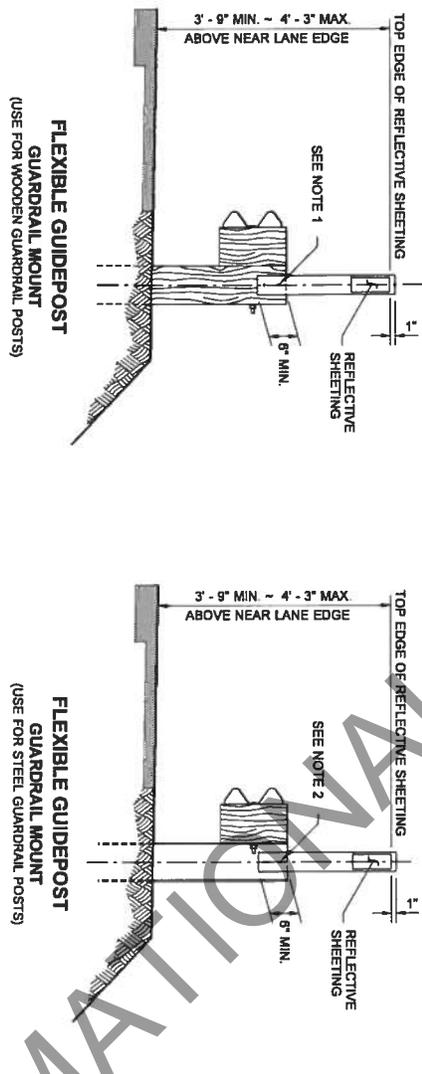
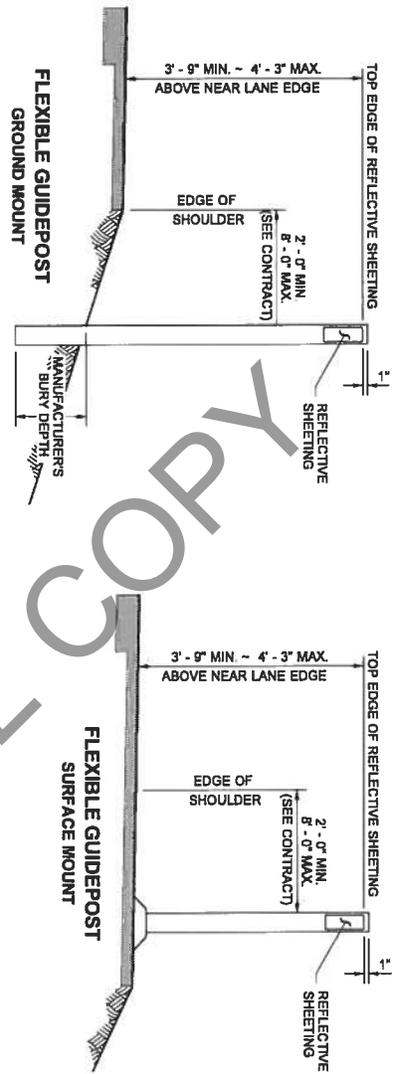
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**CLASS A
CONSTRUCTION SIGNING
STANDARD PLAN K-80.10-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Ken L. Smith
 STATE DESIGN ENGINEER
 Washington State Department of Transportation

DATE: **02-21-07**

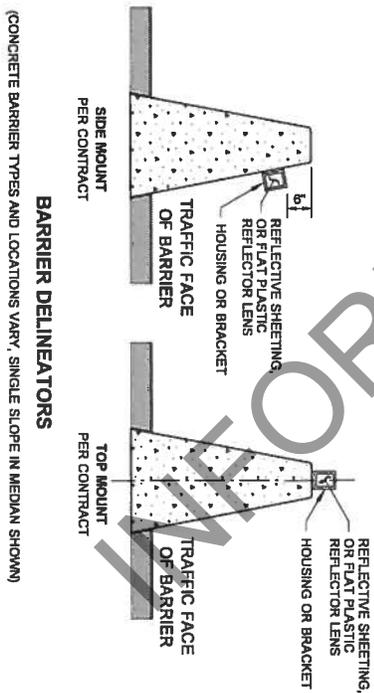


- NOTES**
- When the Contract Plans requires a guidepost with concurrent guardrail runs, the Contractor shall either:
 - Drive the flexible guidepost in line with the guardrail posts, or
 - Mount the shorter flexible guidepost onto the guardrail post.
 - Guideposts shall be fastened to the wooden guardrail post using two 2" x 3/8" lag screws with washers, along centerline of post. Also acceptable is any approved attachment method submitted by the guidepost manufacturer.
 - Guideposts shall be fastened to the steel guardrail posts using two galvanized 2" x 3/8" bolts with a washer on both sides, a lock washer, and nut. The nut shall be tightened to properly compress the lock washer. The drilled holes in the guardrail post web shall be painted with galvanizing repair paint as described in Standard Specification Section 8-11.3(1)C. Also acceptable is any approved attachment method submitted by the guidepost manufacturer.
 - When concrete barrier runs concurrent, the Contractor shall mount Barrier Delineators where guideposts are required.

GUIDEPOST TYPE DEFINITIONS - REFLECTIVE SHEETING APPLICATIONS				
TYPE W	TYPE WW	TYPE Y	TYPE YY	

- BARRIER DELINEATOR REQUIREMENTS**
- Spacing of Barrier Delineators shall be as shown in the Plans.
 - The housing or bracket can be flexible or rigid, molded from a durable plastic or other durable material approved by the engineer, and shall be attached to the barrier with an adhesive recommended by the manufacturer. The attachment point on the barrier surface shall be free of dirt, curing compound, moisture, paint, or any other matter that would adversely affect the adhesive bond.
 - Barrier Delineators shall be one-sided for single direction traffic, or two-sided for bi-directional traffic. Color shall be white on the right of traffic, and yellow on the left of traffic.
 - The reflective surface shall be rectangular or trapezoidal.
 - Reflective Sheeting: 12 square inches minimum surface area, Type III, IV, V, or VI, selected from approved materials listed in the Qualified Products List.
 - Plastic Reflector: 9 square inches minimum surface area; acrylic or polycarbonate conforming to AASHTO M 290. Reflectors shall equal or exceed the following minimum values of Specific Intensity.

OBSERVATION ANGLE	ENTRANCE ANGLE	SPECIFIC INTENSITY (cd/lr-ft)	
		WHITE	YELLOW
0.1°	0°	126	75
0.1°	20°	50	30



GUIDEPOSTS AND BARRIER DELINEATORS
STANDARD PLAN M-40-10-02

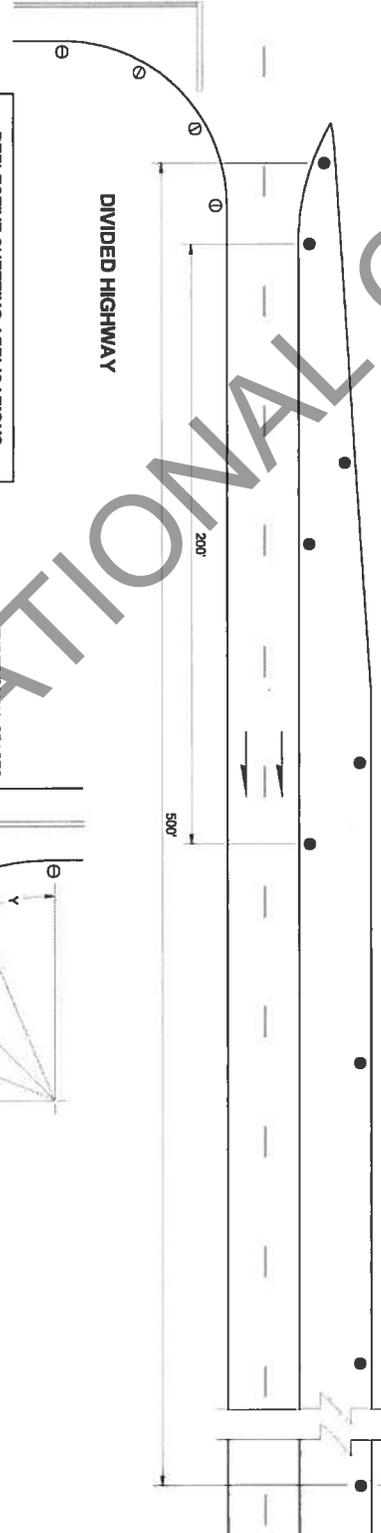
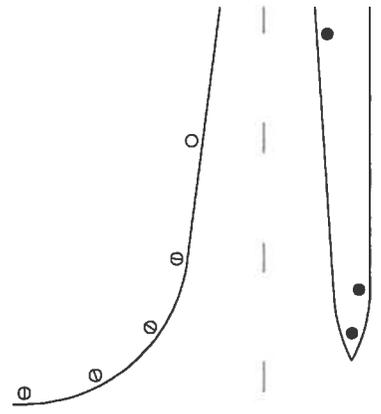
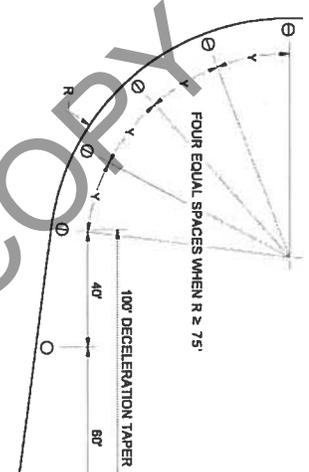
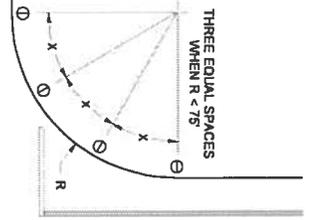
SHEET 1 OF 1 SHEET

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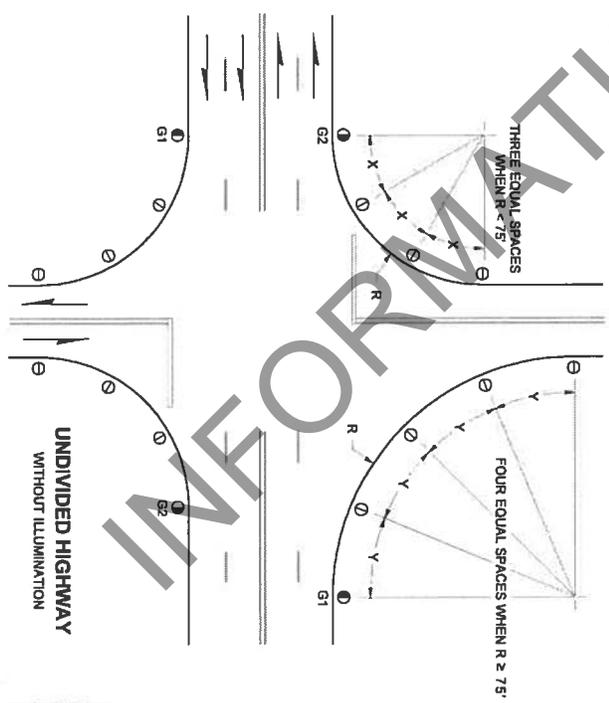
Pasco Bakotch III
 STATE DESIGN ENGINEER
 Washington State Department of Transportation

DATE: 05-11-11

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REFLECTIVE SHEETING APPLICATIONS	
TYPE G1	TYPE G2



NOTE
See Standard Plan M-40.10 for Guide Post details.



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**GUIDE POST PLACEMENTS
GRADE INTERSECTIONS**

STANDARD PLAN M-40.30-00

SHEET 1 OF 1 SHEET

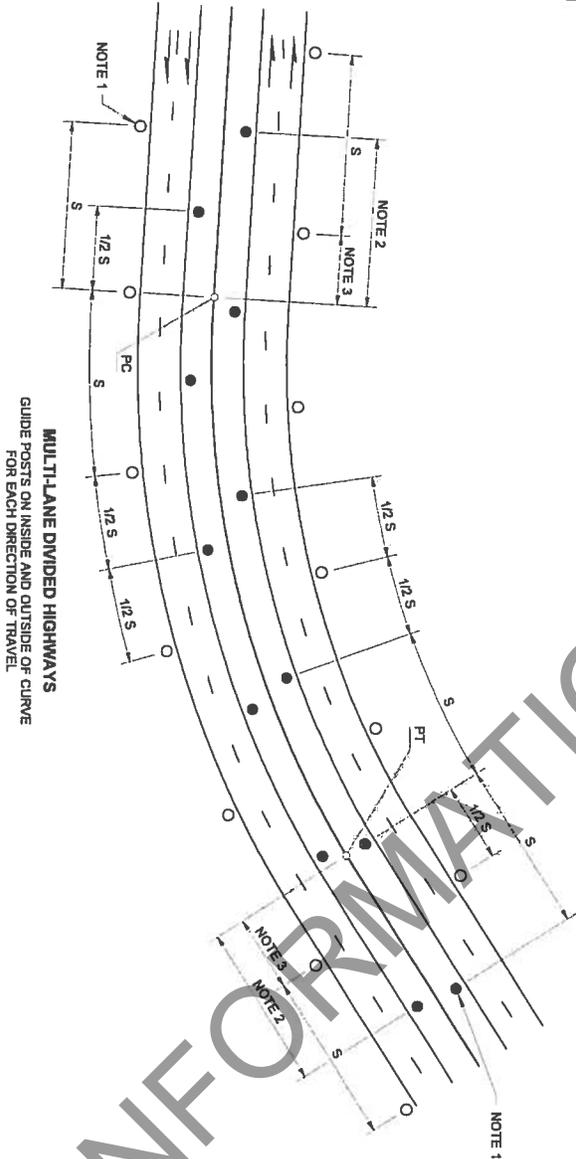
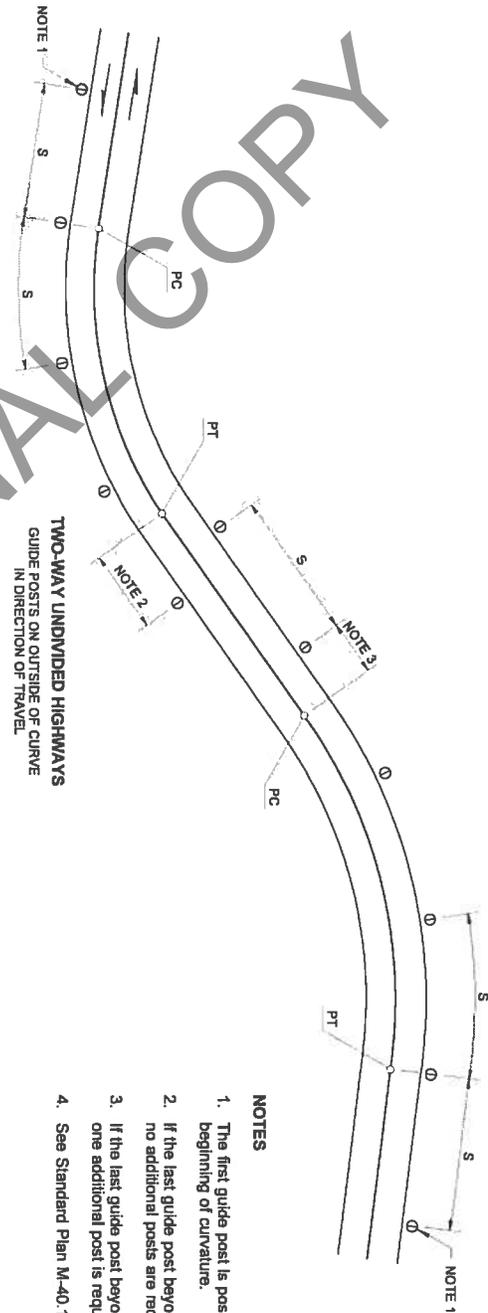
APPROVED FOR PUBLICATION

Pasco Bakotich III
STATE DESIGN ENGINEER
Washington State Department of Transportation

DATE: **09-20-07**

GUIDE POST SPACING (FEET)	
RADIUS	S
50	20
115	25
150	30
200	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90
1,200	100
1,700	120
2,300	140
2,900	160
3,700	180
4,500	200
5,500	220
6,500	240
7,800	280
8,800	280
10,000	300
R=10,000	300

INTERPOLATE FROM THE TABLE FOR RADII NOT SHOWN



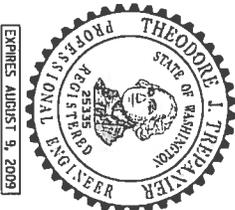
NOTES

1. The first guide post is positioned "S" distance from the beginning of curvature.
2. If the last guide post beyond the curve is $1/2$ "S" or more, no additional posts are required.
3. If the last guide post beyond the curve is less than $1/2$ "S", one additional post is required.
4. See Standard Plan M-40.10 for Guide Post details.

LEGEND	
○	TYPE W
⊕	TYPE WW
●	TYPE Y

SEE TYPE DEFINITIONS, STD. PLAN M-40.10

INFORMATIONAL COPY



NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

GUIDE POST PLACEMENT
HORIZONTAL CURVES
STANDARD PLAN M-40.40-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakrofeh III 09-20-07
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

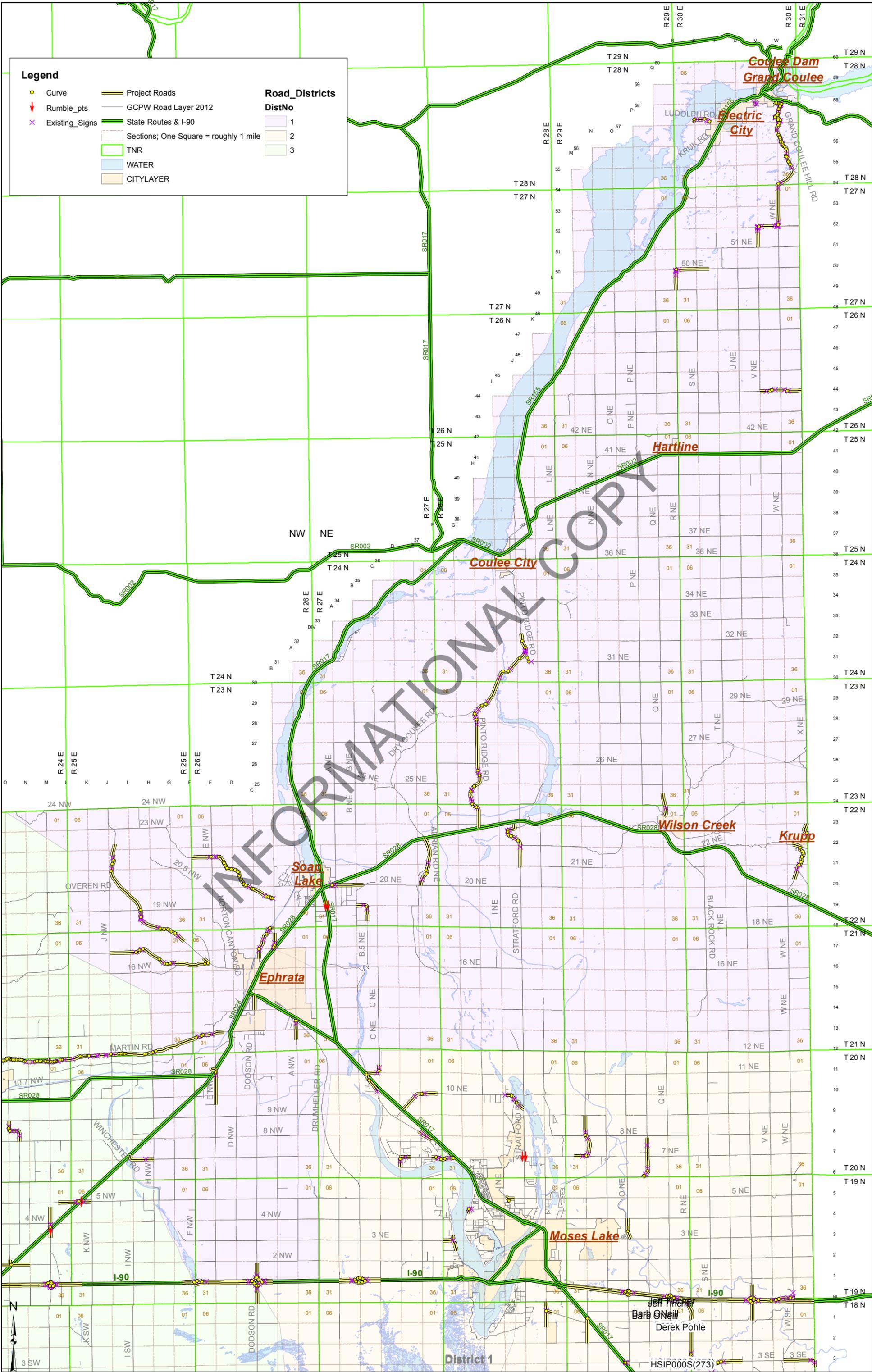
Legend

- Curve
- Rumble_pts
- Existing_Signs
- Project Roads
- GCPW Road Layer 2012
- State Routes & I-90
- Sections; One Square = roughly 1 mile
- TNR
- WATER
- CITYLAYER

Road_Districts

DistNo

- 1
- 2
- 3



HSIP000S(273)

District 1

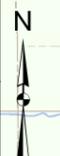
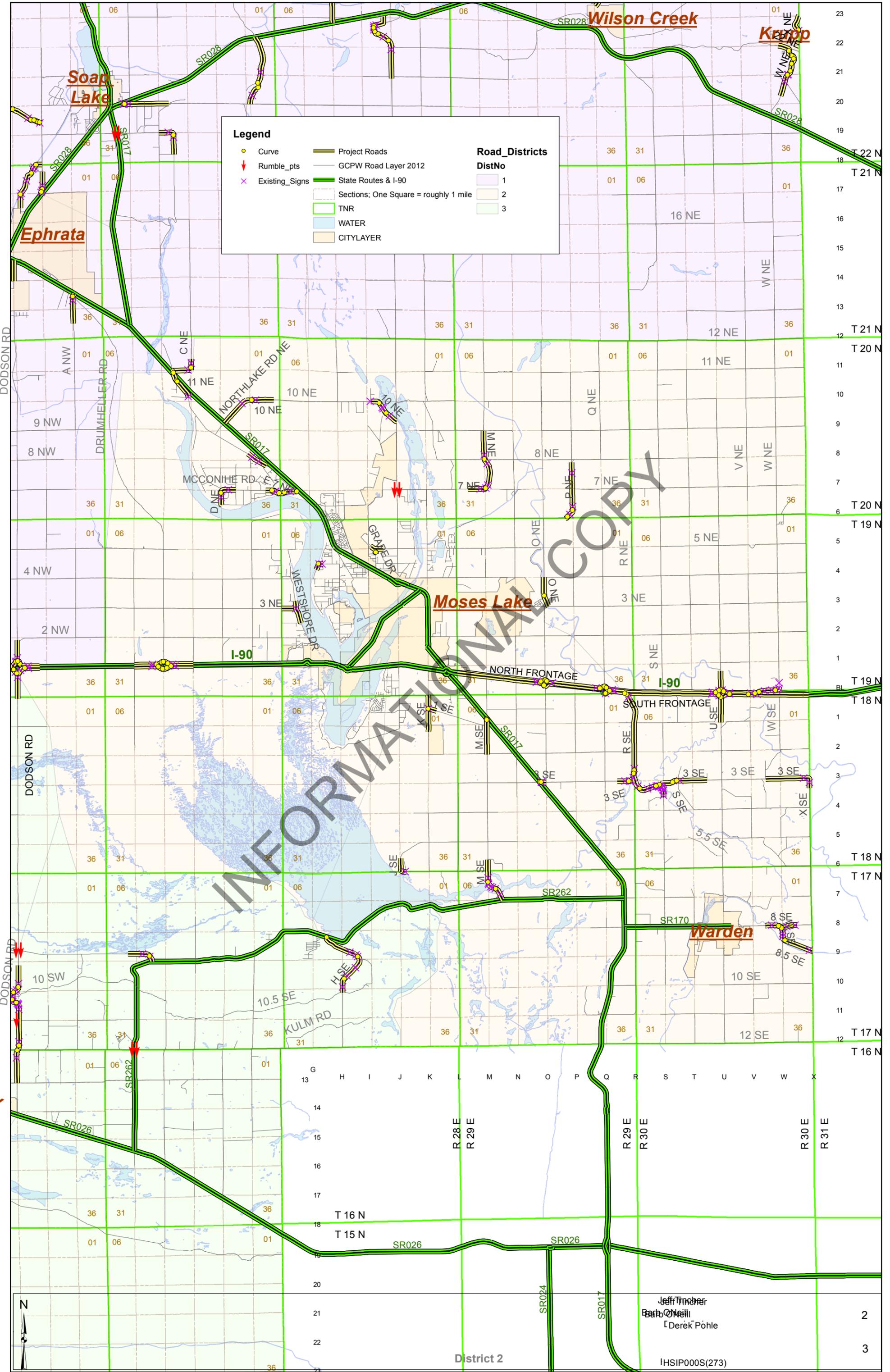
Legend

- Curve
- Rumble_pts
- Existing_Signs
- Project Roads
- GCPW Road Layer 2012
- State Routes & I-90
- Sections; One Square = roughly 1 mile
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- WATER
- CITYLAYER

Road_Districts

DistNo

- 1
- 2
- 3

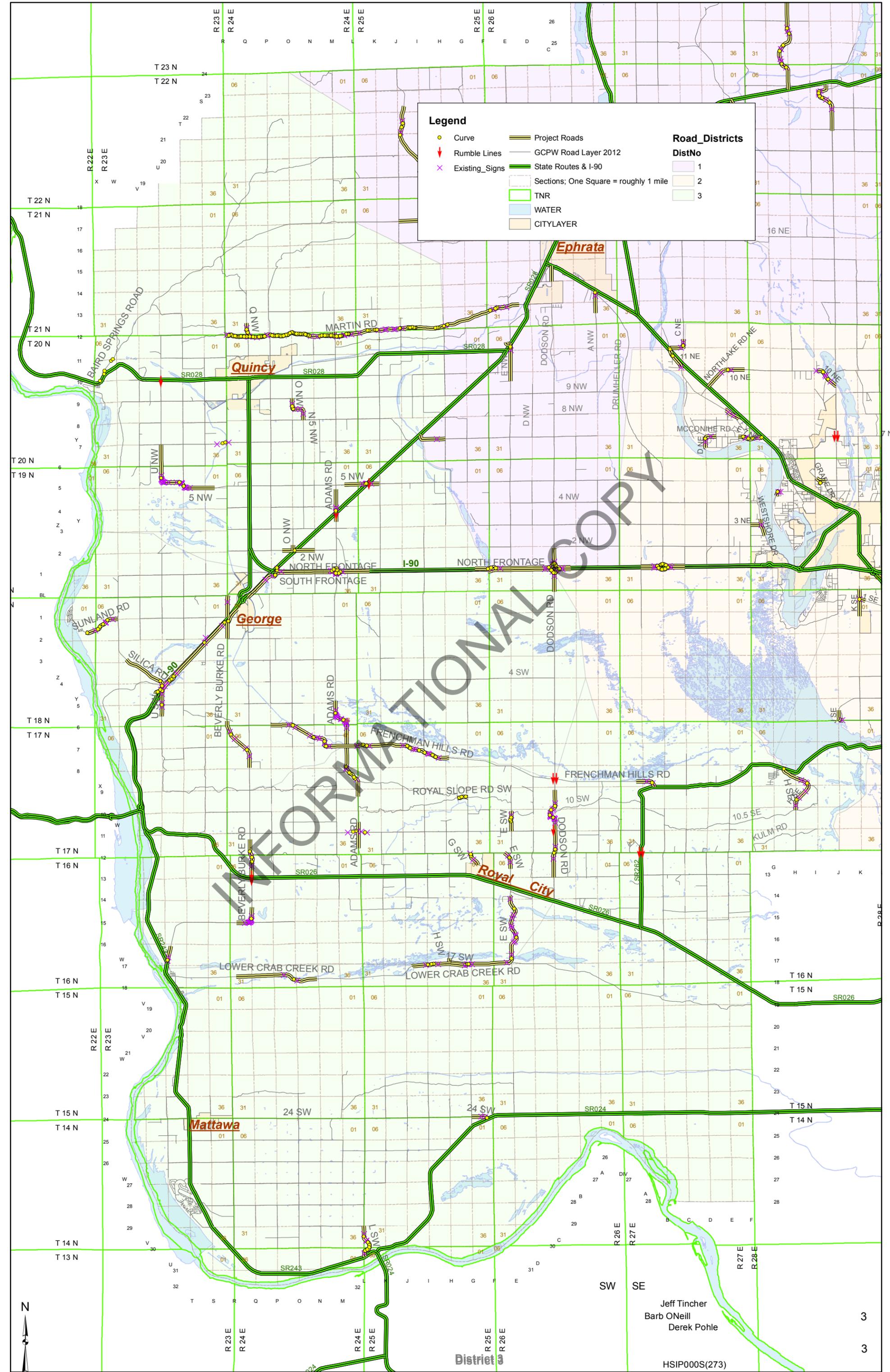


Jeff Timber
Barb O'Neill
Derek Pöhle

District 2

IHSIP000S(273)

2
3



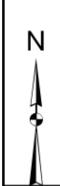
Legend

- Curve
- ▼ Rumble Lines
- ✕ Existing_Signs
- Project Roads
- GCPW Road Layer 2012
- State Routes & I-90
- Sections; One Square = roughly 1 mile
- TNR
- WATER
- CITYLAYER

Road_Districts

DistNo	Color
1	Light Purple
2	Light Yellow
3	Light Green

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Jeff Tincer
 Barb O'Neill
 Derek Pohle

3
3

HSIP000S(273)

District 3

SUMMARY OF QUANTITIES - County Road Safety CRP 11-04

ITEM NO	TOTAL QUANTITY	UNIT	ITEM	Group #1	Group #2	Group #3	Group #4
				Warning Signs	Guideposts	Transverse Rumble Line	Flashing Beacon
				Quantity	Quantity	Quantity	Quantity
PREPARATION							
1	LUMP SUM	L.S.	Mobilization	L.S.	L.S.	L.S.	L.S.
2	LUMP SUM	L.S.	Notification				L.S.
3	LUMP SUM	L.S.	Removing Miscellaneous Traffic Item		L.S.		
TRAFFIC							
4	470	EACH	Remove Existing Warning Sign & Post	451		15	4
5	4	EACH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post				4
6	386	EACH	30" Warning Sign with 4"x4" Wooden Post	386			
7	12	EACH	W1-6, Large Arrow 48" x 24" with 4"x4" Wooden Post	12			
8	1,490	EACH	W1-8, Chevron 18"x24" with 4"x4" Wooden Post	1,490			
9	15	EACH	W3-1, Stop Ahead Symbol 36"x36" with 4"x6" Wooden Post			15	
10	296	EACH	W13-1P, 24"x24"	296			
11	5,266	EACH	Flexible Guide Post		5,266		
12	3,600	L.F.	Transverse Rumble Line			3,600	
13	LUMP SUM	L.S.	Flashing Beacon System				L.S.
14	LUMP SUM	L.S.	Project Temporary Traffic Control	L.S.	L.S.	L.S.	L.S.
OTHER ITEMS							
15	LUMP SUM	L.S.	Spill Prevention, Control and Countermeasure (SPCC) Plan	L.S.	L.S.	L.S.	L.S.
16	4.00	DOL	Minor Changes	1.00	1.00	1.00	1.00

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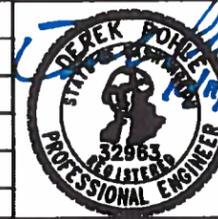
GRANT COUNTY PUBLIC WORKS DEPARTMENT
 124 ENTERPRISE ST. SE
 EPHRATA, WASHINGTON 98823
 (509) 754-6082 FAX (509) 754-6087



**COUNTY ROAD SAFETY PROJECT
 SUMMARY OF QUANTITIES**

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET SQ1

1 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"x4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"x4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post (EA)	* Comments / Notes
E-SW	10100	0.00	1.71													
					1.19	W1-2/W13-1P				1						
				50			105	1.306			1		6	1		W1-2L, 35 mph
									1.409		1			1		W1-2R, 40 mph
G-SW	12710	0.65	3.94		1.50	W1-2/W13-1P				1						
					1.00	W1-3				1						
				45				1.061			1			1		W1-4R, 35 mph
									1.279		1			1		W1-4R, 35 mph
					1.32	W1-3				1						
E-SW	12990	0.00	2.33													
				50			80	1.366			1		8	1		W1-5, 30 mph
				50			75						10			
				50			105						6			
									1.659		1			1		W1-5, 30 mph
					1.75	W1-5/W13-1P				1						
South Frontage Road	15140	0.00	4.75													
				55			120	0.168			1		8			W1-2R
					0.31	W1-2/W13-1P				1						
					3.36	W1-5/W13-1P				1						
				55				3.481			1			1		W1-5, 50 mph
									3.859		1			1		W1-5, 45 mph
					3.98	W1-5/W13-1P				1						
					4.18	W1-2/W13-1P				1						

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COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SP SHEET 1
 2 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P,24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
South Frontage Road (Cont.)				55			95	4.346	4.464		2		8	2		W1-2L, 40 mph, W1-2R
					4.59	W1-2/W13-1P				1						
U-SW	15190	0.00	0.36													
					0.27	W1-1/W13-1P				1						
				50				0.312	0.408		2	2		2		W1-2L, 15 mph, W1-2R
					0.45	W1-1/W13-1P				1						
Royal Slope Road SW	15300	2.21	2.71													
				50				2.231			1			1		W1-2L, 40 mph
									2.319		1			1		W1-2R, 45 mph
				50			75	2.406			1		10	1		W1-3L, 30 mph
				50			95	2.624			1		8	1		W1-4L, 35 mph
South Frontage Road	16570	0.00	3.28													
				55			80		0.108		1		8			W1-1R
					2.65	W1-2				1						
					3.04	W1-2/W13-1P				1						
					2.65	W1-2				1						
				55			105	3.062	3.238		2		10	2		25 mph, 35 mph, W1-2L, W1-2R
				55			70						6			
					3.27	W1-2/W13-1P				1						
South Frontage Road	16720	0.00	16.15													
					2.67	W1-3/W13-1P				1						
				55			75	2.767	2.923		2		10	2		25 mph, 20 mph, W1-1L, W1-3R
					2.82	W1-8				1						

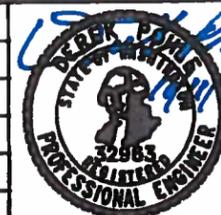
GRANT COUNTY PUBLIC WORKS DEPARTMENT
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COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SP SHEET 2
 3 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
South Frontage Road (Cont.)					2.83	W1-8				1						
					2.84	W1-8				1						
					2.85	W1-6				1						
					2.90	W1-1/W13-1P				1						
					2.92	W1-6				1						
				55			70						6			
				55			80						4			
					3.04	W1-1/W13-1P				1						
				55			70	3.037	3.163		2		6	2		25 mph, 20 mph, W1-1R, W1-3L
					3.22	W1-3/W13-1P				1						
					12.56	W1-2				1						
				55			12.711				1			1		W1-3R, 30 mph
								12.904			1			1		W1-2L, 45 mph
					12.97	W1-2				1						
				55			70						6			
				55			70						6			
								13.158			1					W1-1R
					13.23	W1-1				1						
				55			13.231	13.409			2			2		W1-2L, 50 mph, W1-2R
					13.52	W1-2				1						
6-SE	20100	0.00	3.00													
					2.74	W1-1/W13-1P				1						
				50			75	2.837	3.073		2		24	2		W1-10b-L, 25 mph, W1-10c-R
					3.18	W1-1/W13-1P				1						
K-SE	21750	0.00	0.45													

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 SIGNING PLANS

CRP 11-04

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 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET SP
 3
 4 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"x4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"x4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post (EA)	* Comments / Notes
K-SE (Cont.)				50				0.397	0.503		2	2		2		W1-1R, 20 mph, W1-1L
					0.45	W1-6				1						
South Frontage Road	21760	0.00	6.43													
					1.61	W1-4				1						
				55				1.721			1					W1-4R
									2.009		1			1		W1-4R, 50 mph
				55				2.031			1			1		W1-4L, 50 mph
				55					2.319		1			1		W1-4L, 50 mph
					2.44	W1-4				1						
3-SE	22000	0.00	3.28													
					0.03	W1-2/W13-1P				1						
				50			105	0.126	0.254						8	
					0.17	W1-8				1						
					0.18	W1-8				1						
					0.20	W1-8				1						
					0.36	W1-2/W13-1P				1						
				50			105	3.131			1		8	1		W1-3R, 30 mph
									3.249		1			1		W1-2L, 40 mph
				50			55						4			
					3.21	W1-8				1						
					3.22	W1-8				1						
					3.23	W1-8				1						
South Frontage Road	22140	2.02	9.08													
				55			70						6			
					2.07	W1-2				1						

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COUNTY ROAD SAFETY PROJECT SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
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 REVISIONS BY:
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SHEET 4
 5 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"x4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"x4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post (EA)	* Comments / Notes
South Frontage Road (Cont.)				55			95	2.146			1		8	1		W1-2R, 40 mph
									2.278		1			1		W1-3L, 30 mph
					2.40	W1-2/W13-1P				1						
					5.76	W1-4/W13-1P				1						
					6.03	W1-2/W13-1P				1						
				55			105	5.876			1		10	1		W1-3R, 30 mph
									6.038		1			1		W1-2L, 35 mph
				55			80						8			
				55			105						6			
					6.17	W1-2/W13-1P				1						
				55			120	6.216			1		6	1		W1-2R, 40 mph
									6.348		1			1		W1-4L, 35 mph
					6.48	W1-4/W13-1P				1						
South Frontage Road	22160	0.00	1.05													
				55			70						6			
				55			115	0.052			1		12	1		W1-2L, 35 mph
									0.244		1			1		W1-3R, 25 mph
					0.35	W1-4/W13-1P				1						
R-SE	23250	0.00	2.20													
				50			0.02	0.06			2			1		W1-1R, W1-3L, 20 mph
				50			75	0.174			1		10	1		W1-3L, 20 mph
					0.26	W1-2				1						
Martin Road	30400	2.11	16.31													
					2.14	W1-5				1						
				40				2.151			1			1		W1-5, 30 mph

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 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET 5
 6 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P,24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"X6" Wooden Post (EA)	* Comments / Notes
Martin Road (Cont.)				40				3.159		1				1		W1-5, 30 mph
					3.22	W1-5				1						
				40				3.211		1				1		W1-5, 35 mph
				40				3.509		1				1		W1-5, 35 mph
					3.58	W1-5				1						
				40				3.621		1				1		W1-5, 30 mph
				40				3.969		1				1		W1-5, 30 mph
					4.07	W1-5				1						
					4.27	W1-5				1						
				40				4.221		1				1		W1-5, 30 mph
				40				5.199		1				1		W1-5, 30 mph
				40				5.201		1				1		W1-3L, 25 mph
				40			70	5.339		1		6		1		W1-3L, 25 mph
				40				5.331		1				1		W1-5, 30 mph
				40				6.139		1				1		W1-5, 30 mph
					6.18	W1-5				1						
					6.48	W1-5				1						
				40				6.531		1				1		W1-5, 30 mph
					7.23	W1-5				1						
				40				7.329		1				1		W1-5, 30 mph
				40				7.351		1				1		W1-5, 30 mph
					7.41	W1-5				1						
				40				7.689		1				1		W1-5, 30 mph
					7.75	W1-5				1						
					7.78	W1-5				1						

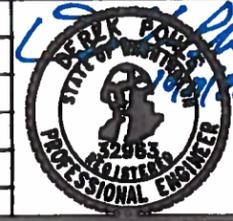
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COUNTY ROAD SAFETY PROJECT
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CRP 11-04

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SHEET 6
 7 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"x4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"x4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post (EA)	* Comments / Notes
Martin Road (Cont.)				40				7.831			1			1		W1-5, 30 mph
				40					8.019		1			1		W1-5, 30 mph
					8.11	W1-5				1						
					8.48	W1-5				1						
				40				8.831			1			1		W1-3R, 30 mph
				40					8.989		1			1		W1-3R, 30 mph
				40				9.211			1			1		W1-4L, 35 mph
				40					9.339		1					W1-4L
					9.40	W1-5				1						
					9.70	W1-2				1						
					9.75	W1-4				1						
					10.11	W1-4				1						
					10.17	W1-3/W13-1P				1						
				40				10.321			1			1		W1-3L, 30 mph
				40					10.439		1			1		W1-3L, 30 mph
					10.51	W1-3/W13-1P				1						
				40				10.751			1			1		W1-5, 30 mph
				40					11.009		1			1		W1-5, 30 mph
				40				11.011			1			1		W1-5, 35 mph
									11.169		1					W1-5
				40				12.001			1			1		W1-5, 30 mph
									12.219		1			1		W1-5, 35 mph
				40				12.411			1			1		W1-1L, 30 mph
									12.499		1			1		W1-2R, 35 mph
					12.54	W1-5/W13-1P				1						

GRANT COUNTY PUBLIC WORKS DEPARTMENT
 124 ENTERPRISE ST. SE
 EPHRATA, WASHINGTON 98823
 (509) 754-6082 FAX (509) 754-6087



COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSP-000S(273)



3P SHEET 7
 8 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"x4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"x4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post (EA)	* Comments / Notes
Martin Road (Cont.)				40				12.601			1			1		W1-5, Next 2 Miles
				40		Curves 115-131			14.779		1			1		W1-5, Next 2 Miles
				40	14.91	W1-3/W13-1P				1						
				40				14.951			1			1		W1-3L, 30 mph
				40					15.129		1			1		W1-4L, 35 mph
					15.18	W1-3/W13-1P				1						
					15.54	W1-5/W13-1P				1						
S-SW	30950	0.00	1.08													
				55	0.94	W1-2				1						
								1.021	1.199		2					W1-2L, W1-2R
					1.18	W1-2/W13-1P				1						
Silica Road	30990	0.00	5.97													
					0.19	W1-4/W13-1P				1						
					0.22	W1-2/W13-1P				1						
				55			115	0.256			1	16	1			W1-4R, 40 mph
									0.649		1			1		W1-4R, 35 mph
					0.64	W1-2/W13-1P				1						
					0.74	W1-4/W13-1P				1						
				55				0.741			1			1		W1-2L, 45 mph
					0.83	W1-2				1						
				55					1.094		1			1		W1-2R, 45 mph
Sunland Road	31000	0.00	1.70													
					0.24	W1-2				1						

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CRP 11-04

DESIGNED BY: JEFF TINCHER
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 FEDERAL AID NO.: HSIP-000S(273)



3P
 SHEET 8
 9 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
Balrd Springs Road	32300	0.00	5.14				105	0.224		1			8	1		W1-2L, 35 mph
				50	1.73	W1-5/W13-1P		1.781		1				1		W1-5, 45 mph
								2.159		1				1		W1-5, 40 mph
				50	2.24	W1-5/W13-1P		2.421		1				1		W1-2L, 45 mph
				50				3.271		1				1		W1-5, 35 mph
					3.52	W1-2				1						
					3.54	W1-4				1						
				50			120						6			
					3.88	W1-4		3.839		1				1		W1-5, 40 mph
Balrd Springs Road	32300	20.68	22.40													
				50				21.051		1				1		W1-4R, 45 mph
				50				21.239		1				1		W1-4R, 40 mph
				50				21.701		1				1		W1-4L, 45 mph
								21.959		1				1		W1-4L, 45 mph
Q-NW	32850	1.04	3.91				65	22.247		1			8			
				50	1.94	W1-4				1						
				50				2.001		1				1		W1-4L, 45 mph
								2.269		1				1		W1-4L, 40 mph
					2.34	W1-4				1						
Frey Road	34050	0.38	2.24													

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SHEET SP
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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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 (Design Does not include Gravel Roads)

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Frey Road (Cont.)					0.98	W1-2				1						
				35				0.991	1.059		2					W1-2L, W1-2R
				35				1.271			1			1		W1-5, Next 1 Mile
					1.10	W1-2				1						
					1.56	W1-5				1						
				35					1.919		1			1		W1-5, Next 1 Mile
					2.04	W1-5				1						
					2.14	W1-1/W13-1P				1						
				35				2.181	2.259		2			2		W1-1L, W1-1R, 25 mph
A-NW	37950	0.00	4.72													
				35				0.071	0.149		2			2		W1-10a-L, W1-10a-R, 30 mph
					0.26	W1-10a				1						
North Frontage Road	39040	0.00	13.35													
					2.68	W1-2/W13-1P				1						
				55				2.771			1			1		W1-3R, 30 mph
									2.994		1			1		W1-2L, 45 mph
				55			80						8			
				55			65						8			
					3.14	W1-6				1						
					3.18	W1-2				1						
				55				3.261	3.439		2			2		W1-2R, W1-3L, 50 mph, 25 mph
					3.56	W1-2				1						
					5.66	W1-4				1						
				55				5.771			1					W1-5
					6.16	W1-4				1						

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CRP 11-04

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SHEET SP 11
 12 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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North Frontage Road (Cont.)				55				6.269		1						W1-5
				55	13.05	W1-1/W13-1P				1						
				55			80	13.142		1			8	1		W1-3R, 30 mph
								13.283		1				1		W1-1L, 25 mph
					13.21	W1-6				1						
					13.28	W1-1/W13-1P				1						
E-NW	39050	0.00	10.36	55			70						6			
				55			70						12			
				55			90	0.086	0.184		2		6	2		W1-2L, W1-3R, 40 mph, 25 mph
					0.26	W1-4				1						
7-NW	39200	2.01	8.35													
					7.95	W1-1/W13-1P				1						
				50			75	8.066			1		16	1		W1-3R, 30 mph
								8.224			1			1		W1-1L, 30 mph
7-NW					8.29	W1-1/W13-1P				1						
				50			80						4			
North Frontage Road	40520	1.42	13.92													
					5.32	W1-4				1						
				55				5.381			1			1		W1-4R, 35 mph
				55			90						6			
				55			90						6			
				55				5.939			1			1		W1-4L, 35 mph
					6.06	W1-4				1						
					2.15	W1-4				1						

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SHEET SP
 12
 13 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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O-NE	41050	0.00	3.06	50				0.311	0.409		2			2		W1-2L, W1-2R, 40 mph
Dick Road	41600	0.38	0.84		0.73	W1-1/W13-1P				1						
				35				0.801	0.869		2	2		2		W1-1L, W1-1R, 20 mph
					0.83	W1-6				1						
					0.93	W1-1/W13-1P				1						
Grape Dr	42350	0.02	0.71	35				0.601			1			1		W1-1L, 25 mph
									0.659		1			1		W1-1R, 30 mph
W-NE /North Frontage Road	43520	0.00	13.92		2.76	W1-2/W13-1P				1						
				55			120	2.876	3.104		2		16	2		W1-2L, W1-2R, 40 mph
					2.94	W1-6				1						
					3.04	W1-6				1						
					3.21	W1-2/W13-1P				1						
					3.46	W1-4				1						
				55				3.571			1					W1-4L
				55					3.819		1					W1-4L
					3.95	W1-4				1						
					4.64	W1-4/W13-1P				1						
				55			105	4.726	4.894		2		12	2		W1-2L, W1-4R, 40 mph
				55			105						6			
					4.95	W1-2/W13-1P				1						
				55			105						6			

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CRP 11-04

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SHEET SP 13
 14 OF 32

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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 (Design Does not include Gravel Roads)

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W-NE /North Frontage Road (Cont.)																
				55	5.08	W1-2/W13-1P	120	5.112	5.258	1	2		6	2		W1-2R, W1-4L, 35 mph
					5.33	W1-2/W13-1P				1						
					8.77	W1-4/W13-1P				1						
				55			105	8.846			1		12	1		W1-3R, 30 mph
									9.028		1			1		W1-2L, 35 mph
				55			80						8			
				55			80						8			
				55			80	9.152	9.288		2		8	2		W1-1R, W1-3L, 30 mph
					9.38	W1-3/W13-1P				1						
					10.89	W1-4/W13-1P				1						
				55			120	10.972	11.138		2		8	2		W1-2L, W1-3R, 35 mph, 30 mph
				55			55						4			
				55			80						8			
				55			105	11.236			1		6	1		W1-2R, 40 mph
									11.358		1			1		W1-3L, 30 mph
					11.45	W1-4				1						
P-NE	45250	0.00	3.10													
				50	1.65	W1-1/W13-1P	105	-0.024	0.084		2		6	2		W1-2L, W1-2R, 35 mph
					0.17	W1-1/W13-1P				1						
					0.17	W1-1/W13-1P				1						
				50			120	0.266	0.384		2		6	2		W1-2L, W1-2R, 35 mph
					0.49	W1-1/W13-1P				1						
McConihe Road	46200	0.00	2.72													

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CRP 11-04

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5P
 SHEET 14
 15 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"x4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"x4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post (EA)	* Comments / Notes
McConihe Road (Cont.)				50					0.114		1					W1-2L
					0.32	W1-4/W13-1P				1						
				50				0.421			1			1		W1-4L, 45 mph
									0.729		1					W1-4L
					0.85	W1-2				1						
					0.86	W1-4/W13-1P				1						
				50				0.881	0.999		2					W1-2L, W1-2R
					2.48	W1-2/W13-1P				1						
				50				2.611			1			1		W1-2L, 40 mph
								2.819			1			1		W1-2R, 45 mph
					2.95	W1-2/W13-1P				1						
Neppel Road	46350	0.17	5.20													
					0.78	W1-2				1						
					1.06	W1-2				1						
					4.42	W1-3				1						
				50			70	5.016	5.090		2		6	2		W1-1R, W1-3L, 25 mph
				50			80						4			
				50			80						4			
				50			55	5.160	5.200		2		4	2		W1-1R, W1-3L, 20 mph
19-NE	46450	0.15	2.60													
					2.45	W1-1/W13-1P				1						
				50			75	2.526	2.704		2		18	2		W1-1L, W1-1R, 30 mph
					2.75	W1-1/W13-1P				1						
11-NE / C-NE / 16-NE	46451	0.00	5.75													
					0.47	W1-1/W13-1P				1						

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SHEET SP 15
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CRP 11-04 County Road Safety

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11-NE / C-NE / 16-NE (Cont.)				50			70	0.567	0.673		2		6	2		W1-1L, W1-1R, 20 mph
					0.78	W1-1/W13-1P				1						
Adrian Road NE	46710	0.00	2.49	50			80	5.787	5.883		2		4	2		W1-1L, W1-1R, 20 mph
					0.31	W1-5/W13-1P				1						
				50			75	0.577	0.713		2		10	2		W1-1L, W1-1R, 25 mph
				50				0.761			1			1		W1-2R, 40 mph
							90		0.854		1		6	1		W1-2L, 35 mph
31-NE	51600	0.00	7.99		1.21	W1-5/W13-1P					1					
					0.05	W1-4					1					
31-NE				50				0.151			1			1		W1-4R, 35 mph
				50			105		0.584		1		16	1		W1-4R, 35 mph
					0.69	W1-4					1					
					1.01	W1-2/W13-1P					1					
Ludolph Road	55650	0.42	1.39													
				40					0.489		1					W1-4L
					0.57	W1-4					1					
					0.61	W1-1/W13-1P					1					
				40				0.671	0.769		2			2		W1-1L, W1-1R, 30 mph
					0.83	W1-2/W13-1P					1					
					1.13	W1-2					1					
Alcan Road	55700	0.46	0.88	40			80	1.191	1.289		2		8	2		W1-1L, W1-1R, 25 mph
					0.82	W1-1/W13-1P					1					

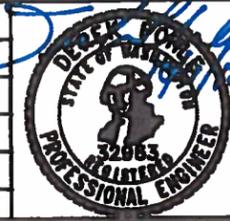
GRANT COUNTY PUBLIC WORKS DEPARTMENT
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 EPHRATA, WASHINGTON 98823
 (509) 754-6082 FAX (509) 754-6087



COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET 5P
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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
Alcan Road (Cont.)				35				0.841	0.909		2	2		2		W1-1L, W1-1R, 15 mph
Spokane Blvd	55810	0.07	0.37		0.32	W1-1/W13-1P				1						
Lower Crab Creek Road	91010	0.00	16.16		5.37	W1-4				1						
				50			105	5.816			1		8	1		W1-2L, 35 mph
									5.939		1					W1-2R
					6.06	W1-4				1						
					12.16	W1-5				1						
				50				12.211			1			1		W1-5, 45 mph
				50					12.549		1					W1-5
					12.72	W1-5				1						
					14.00	W1-3/W13-1P				1						
				35			70	14.111			1		6	1		W1-3L, 20 mph
					14.15	W1-6				1						
				35			65		14.249		1		8	1		W1-3L, 20 mph
					14.20	W1-6				1						
					14.36	W1-3/W13-1P				1						
					15.97	W1-2				1						
E-SW	91010	16.16	19.85	50				16.001	16.329		2					W1-10L, W1-10R
					16.52	W1-2				1						
					17.11	W1-2				1						
					17.18	W1-2				1						
				50				17.201			1			1		W1-2L, 40 mph

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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
E-SW (Cont.)								17.389		1				1		W1-2R, 45 mph
					17.47	W1-4				1						
					17.52	W1-2				1						
					17.90	W1-2				1						
					17.99	W1-4				1						
					18.33	W1-2				1						
					18.50	W1-5				1						
				50				18.601		1				1		W1-2R, 45 mph
								18.839		1						W1-2L
					19.32	W1-5				1						
Beverly-Burke Road	91013	0.00	20.69													
				60				0.136		1	1					W1-10R
					0.04	W1-6				1						
					0.21	W1-2				1						
					4.91	W1-2/W13-1P				1						
				60			150	5.021	5.339		2		20	2		W1-2L, W1-2R, 50 mph
					5.06	W1-8				1						
					5.08	W1-8				1						
					5.12	W1-8				1						
					5.15	W1-8				1						
					5.18	W1-8				1						
					5.21	W1-8				1						
					5.24	W1-8				1						
					5.27	W1-8				1						
					5.30	W1-8				1						

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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes		
Beverly-Burke Road (Cont.)					5.45	W1-2/W13-1P				1								
					7.77	W1-3/W13-1P				1								
				60				7.841			1					W1-4R		
				60					8.179		1					W1-4R		
						8.23	W1-3/W13-1P				1							
				60				8.321	8.469		2					W1-2L, W1-2R		
						12.87	W1-2				1							
				60				12.931	13.209		2					W1-2L, W1-2R		
						13.28	W1-2				1							
						13.96	W1-2				1							
				60				14.061	14.239		2					W1-2L, W1-2R		
						14.38	W1-2				1							
						20.39	W1-2				1							
			60				20.501	20.969		2					W1-10L, W1-10R			
					21.05	W1-2				1								
Adams Road	91017	0.00	25.53	60			150	4.352			1		14	1		W1-4L, 45 mph		
				60		4.53	W1-8				1							
				60						105					6			
				60							4.718		1			1		W1-4L, 40 mph
				60						105	4.812		1			6	1	W1-4L, 40 mph
				60						95						8		
				60								5.052		1			1	
			60				105	5.162	5.358		2		12	2	W1-2L, W1-2R, 45 mph			
					5.23	W1-8				1								

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CRP 11-04

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 FEDERAL AID NO.: HSIP-000S(273)



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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
Adams Road (Cont.)					5.26	W1-8				1						
					7.14	W1-2				1						
				60			150	7.261			1		18	1		W1-2L, 55 mph
								7.559			1					W1-2R
					7.31	W1-8				1						
					7.34	W1-8				1						
					7.38	W1-8				1						
					7.42	W1-8				1						
					7.46	W1-8				1						
					7.50	W1-8				1						
					7.66	W1-2				1						
					7.68	W1-2				1						
				60			160	7.771			1		18			W1-2R
								8.079			1			1		W1-2L, 55 mph
					7.85	W1-8				1						
					7.89	W1-8				1						
					7.93	W1-8				1						
					7.96	W1-8				1						
					8.00	W1-8				1						
					8.21	W1-2				1						
				60			80						4			
				60			70	17.502			1		6			W1-3R
					17.40	W1-8				1						
					17.42	W1-8				1						
					17.59	W1-8				1						

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SHEET 20
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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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Adams Road (Cont.)					17.59	W1-3				1						
11-SW	91020	0.00	14.09													
					4.50	W1-3				1						
				55				4.641			1			1		W1-4L, 50 mph
				55				4.891			1			1		W1-4L, 50 mph
					4.95	W1-3				1						
					5.14	W1-2				1						
				55				5.261	5.339		2					W1-2L, W1-2R
					5.41	W1-2				1						
Dodson Road	91030	0.00	27.99													
					1.97	W1-3				1						
				60				2.071			1					W1-4R
				60					2.419		1					W1-4R
					2.53	W1-3				1						
					3.65	W1-3				1						
				60			115	3.722			1		14	1		W1-4L, 40 mph
							105		4.162		1		10	1		W1-4L, 35 mph
					3.80	W1-8				1						
					3.83	W1-8				1						
					3.87	W1-8				1						
					4.03	W1-8				1						
					4.05	W1-8				1						
					4.07	W1-8				1						
					4.10	W1-8				1						
					4.20	W1-2/W13-1P				1						

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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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Dodson Road (Cont.)					4.22	W1-3/W13-1P				1						
				60			105	4.232			1		10	1		W1-2R, 45 mph
								4.408			1			1		W1-2L, 40 mph
				60			105	4.492			1		10	1		W1-2L, 45 mph
								4.668			1			1		W1-2R, 40 mph
					4.43	W1-2/W13-1P				1						
					4.50	W1-2/W13-1P				1						
					4.76	W1-2/W13-1P				1						
Frenchman Hill Road	91035	5.82	25.44													
					7.65	W1-2				1						
				50				7.761			1					W1-2R
								7.879			1			1		W1-2L, 40 mph
					7.99	W1-2				1						
					8.76	W1-2				1						
				50				8.861	8.999		2					W1-2L, W1-2R
					9.13	W1-2				1						
					9.25	W1-2/W13-1P				1						
				50				9.341			1			1		W1-2R, 45 mph
								9.579			1			1		W1-2L, 40 mph
					9.61	W1-2/W13-1P				1						
					9.63	W1-2/W13-1P				1						
				50			115	9.666			1		12	1		W1-2L, 35 mph
								9.839			1			1		W1-2R, 40 mph
					9.96	W1-2/W13-1P				1						
					11.25	W1-4				1						

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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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Frenchman Hill Road (Cont.)				50				11.351			1					W1-4R
				50					11.729		1					W1-4R
					11.82	W1-4				1						
					13.39	W1-4/W13-1P				1						
				50				13.461			1					W1-4R
				50					13.799		1					W1-4R
					13.92	W1-4/W13-1P				1						
					14.02	W1-5/W13-1P				1						
				50				14.121			1			1		W1-5, 45 mph
				50					14.499		1			1		W1-5, 45 mph
					14.63	W1-5/W13-1P				1						
					14.67	W1-4				1						
				50				14.791			1					W1-4R
				50					15.049		1					W1-4R
					15.16	W1-4				1						
					24.95	W1-2				1						
				55				25.056	25.244		2			2		W1-2L, W1-2R, 45 mph
					25.24	W1-2				1						
L-SW	91045	0.00	6.65													
					0.15	W1-5/W13-1P				1						
				50				0.186			1			1		W1-5, 30 mph
							70						12			
				50			70						12			
				50			90						6			

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SP SHEET 23
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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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L-SW (Cont.)				50					0.809		1			1		W1-5, 30 mph
					0.90	W1-2				1						
					0.92	W1-5/W13-1P				1						
				50				1.031	1.169		2			2		W1-2L, W1-2R, 45 mph
					1.29	W1-2				1						
24-SW	91050	0.00	13.83													
					13.49	W1-2/W13-1P				1						
				55			120	13.606			1		14	1		W1-2R, 45 mph
					13.67	W1-6				1						
H-SE	92005	0.00	4.67													
					2.08	W1-2				1						
				55				2.191	2.389		2			2		W1-2L, W1-2R, 50 mph
					2.51	W1-2				1						
					2.92	W1-2				1						
				55				3.051			1			1		W1-10L, 50 mph
									3.379		1					W1-10R
					3.37	W1-2				1						
					3.44	W1-2				1						
					3.67	W1-2				1						
				55			115	4.422			1		18			W1-2R
M-SE	92015	0.00	6.46													
					0.21	W1-2/W13-1P				1						
				55			105	0.316			1		12	1		W1-2L, 45 mph
									0.479		1			1		W1-2R, 50 mph

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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
M-SE (Cont.)					0.48	W1-2/W13-1P				1						
					0.58	W1-2/W13-1P				1						
				55			115	0.591			1			1		W1-2R, 50 mph
								0.854			1		20	1		W1-2L, 45 mph
					0.65	W1-8				1						
					0.75	W1-8				1						
					0.79	W1-8				1						
					0.97	W1-2/W13-1P				1						
				55				6.336			1					W1-3L
				55			50						4			
3-SE	92030	0.00	5.22													
				50												
							70	0.074			1		6			W1-1L
				50				0.361			1			1		W1-4L, 45 mph
				50				0.689			1			1		W1-4L, 45 mph
					0.77	W1-4/W13-1P					1					
					5.02	W1-1/W13-1P					1					
				50			75	5.147	5.313		2		14	2		W1-1L, W1-1R, 25 mph
S-SE	92045	0.00	5.85													
					4.52	W1-2					1					
				50			150	4.621	5.029		2		26			W1-10L, W1-10R
					4.68	W1-8					1					
					4.72	W1-8					1					
					4.78	W1-8					1					
					4.81	W1-8					1					

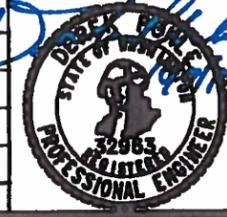
GRANT COUNTY PUBLIC WORKS DEPARTMENT
 124 ENTERPRISE ST. SE
 EPHRATA, WASHINGTON 98823
 (509) 754-6082 FAX (509) 754-6087



COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET ^{SP} 25
 26 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
S-SE (Cont.)					4.85	W1-8				1						
					4.88	W1-8				1						
					4.91	W1-8				1						
					4.97	W1-8				1						
					5.00	W1-8				1						
					5.14	W1-2				1						
					5.32	W1-2				1						
				50			150	5.391	5.629		2		14			W1-2L, W1-2R
					5.72	W1-2				1						
R-SE	92045	5.85	6.94													
				50				6.061			1					W1-4R
				50					6.319		1					W1-4R
					6.36	W1-4					1					
8-SE	92047	0.27	1.78													
					1.39	W1-2/W13-1P					1					
				55				1.521			1		1			W1-2R, 45 mph
				55					1.784		1		8	1		W1-2L, 40 mph
W-SE	92047	1.78	2.12													
					1.95	W1-2/W13-1P					1					
					2.04	W1-2/W13-1P					1					
				55				2.046	2.244		2			2		W1-10L, W1-10R, 45 mph
8.5-SE	92047	2.12	3.22													
					3.12	W1-2/W13-1P					1					
				55				3.096			1			1		W1-2L, 45 mph

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 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
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SHEET 5P
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 27 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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8-SE	92049	0.00	1.05													
				50	0.19	W1-2/W13-1P		0.251	0.379	1	2			2		W1-2L, W1-2R, 40 mph
					0.48	W1-2/W13-1P				1						
X-SE	92049	1.05	6.07													
					5.94	W1-1/W13-1P				1						Curve Surveyed on 3-SE (92030)
5-NW	93010	0.00	18.19													
				60	8.43	W1-1	35	8.524		1	1	6				W1-1R
				60	8.60	W1-6	40			1			8			
				60			35	8.786		1		14				W1-3L
					8.64	W1-8				1						
					8.645	W1-8				1						
					8.65	W1-8				1						
					8.66	W1-8				1						
					8.68	W1-8				1						
					8.69	W1-8				1						
					8.70	W1-8				1						
					8.84	W1-3				1						
					16.83	W1-4/W13-1P				1						
				60			150	16.941			1		12	1		W1-3R, 50 mph
					16.99	W1-8				1						
					17.03	W1-8				1						
					17.06	W1-8				1						

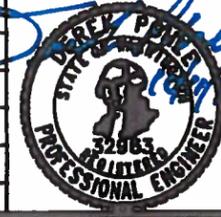
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CRP 11-04

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SHEET 27
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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"x4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"x4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"x4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"x6" Wooden Post (EA)	* Comments / Notes
5-NW (Cont.)				60	17.10	W1-8	160	17.439		1	1	12	1			W1-3R, 50 mph
					17.28	W1-8				1						
					17.31	W1-8				1						
					17.33	W1-8				1						
					17.34	W1-8				1						
					17.56	W1-4/W13-1P				1						
					17.93	W1-2				1						
				60			150	18.051	18.369		2	20	2			W1-2L, W1-2R, 55 mph
					18.10	W1-8				1						
					18.14	W1-8				1						
					18.17	W1-8				1						
					18.20	W1-8				1						
					18.23	W1-8				1						
					18.27	W1-8				1						
					18.30	W1-8				1						
					18.33	W1-8				1						
					18.48	W1-2				1						
I/S of 5 NW & Dodson Road				60						4				4		Remove Existing Stop Signs & Posts, replace to coincide with Flashing Beacon Completion as specified.
N.5-NW	93039	3.50	7.05													
				50	6.82	W1-1/W13-1P	75	6.926		1	1	18	1			W1-1L, 30 mph

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SHEET 28
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CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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N.5-NW (Cont.)									7.104		1			1		W1-2R, 35 mph
					7.16	W1-1/W13-1P				1						
8.5-NW	93039	7.05	7.42													
					7.33	W1-1/W13-1P				1						
				50				7.396			1			1		W1-2R, 35 mph
							75	7.574			1		18	1		W1-1L, 30 mph
					7.68	W1-1/W13-1P				1						
B-NW	93045	0.00	3.05													
				50			65						8			
					0.05	W1-6				1						
				50			105	0.096	0.204		2		6	2		W1-2L, W1-3R, 35 mph, 20 mph
					0.13	W1-8				1						
					0.14	W1-8				1						
					0.31	W1-2/W13-1P				1						
Sagebrush Flats Road	93047	0.67	12.70													
					4.54	W1-5				1						
				50				4.661			1					W1-5
									5.519		1					W1-5
					5.63	W1-5				1						
					6.39	W1-2				1						
				50			115	6.481			1		16	1		W1-2R, 45 mph
									6.689		1					W1-2L
					6.56	W1-8				1						
					6.60	W1-8				1						
					6.64	W1-8				1						

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SHEET 29
 30 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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Sagebrush Flats Road (Cont.)					6.66	W1-8				1						
					6.80	W1-2				1						
				50				6.931			1			1		W1-10a-L, 45 mph
									7.049		1					W1-10Aa-R
				50				9.361			1			1		W1-2R, 40 mph
									9.499		1			1		W1-2L, 45 mph
					9.62	W1-4				1						
				50				9.741			1					W1-4R
				50					10.049		1					W1-4R
					10.16	W1-4				1						
Sheep Canyon Road	93048	0.00	4.01													
				50				0.060			1			1		W1-5, 35 mph
					0.09	W1-5/W13-1P				1						
				50			105	0.444			1		6	1		W1-5, 35 mph
					0.53	W1-5				1						
				50				0.911			1			1		W1-5, 40 mph
				50							1			1		W1-5, 45 mph
					1.43	W1-4				1						
				50				1.491			1			1		W1-4L, 35 mph
				50			105	1.704			1		8	1		W1-4L, 35 mph
				50				1.901			1			1		W1-5, 45 mph
									2.169		1			1		W1-5, 40 mph
				50			105	2.276			1		6	1		W1-5, 35 mph
				50									10			
				50									6			

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COUNTY ROAD SAFETY PROJECT
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CRP 11-04

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 DATE REVISED:
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SHEET 30
 31 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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Sheep Canyon Road (Cont.)				50				3.329			1			1		W1-5, 35 mph
				50			105	3.529	3.694		2		12	2		W1-2L, W1-2R, 35 mph
					3.76	W1-5/W13-1P				1						
					3.86	W1-1/W13-1P				1						
				50				3.967	4.073		2	2		2		W1-1L, W1-1R, 20 mph
Stratford Road	94025	1.09	20.28		4.12	W1-1/W13-1P				1						
					19.19	W1-2				1						
				50				19.281	19.539		2					W1-2L, W1-2R
					19.74	W1-4/W13-1P				1						
				50				19.861			1			1		W1-5, 40 mph
				50			105						10			
							90	20.244			1		6	1		W1-5, 35 mph
					20.17	W1-1/W13-1P				1						
					20.23	W1-4/W13-1P				1						
				50			70	20.237			1		6	1		W1-1R, 25 mph
								20.343			1			1		W1-1L, 20 mph
					20.29	W1-6				1						
					20.38	W1-1/W13-1P				1						
M-NE	94030	3.05	8.24		2.87	W1-10b				1						
				50			105	2.966	3.074		2		6	2		W1-10b-L, W1-10c-R, 35 mph
					3.07	W1-2				1						
					3.19	W1-2/W13-1P				1						

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COUNTY ROAD SAFETY PROJECT SIGNING PLANS

CRP 11-04

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 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
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 FEDERAL AID NO.: HSIP-000S(273)



SHEET **SP 31**
 32 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
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M-NE (Cont.)				50	3.96	W1-2		4.061		1						
							105	4.164		1		6	1			W1-10a-R, 40 mph W1-10a-L, 35 mph
10-NE	94040	0.93	6.53		4.28	W1-2				1						
				50	0.78	W1-2		0.876	1.149	1	2					W1-2L, W1-2R
					1.27	W1-2				1						
				50	5.34	W1-2/W13-1P		5.501		1						W1-2R
								5.689		1			1			W1-2L, 45 mph
					5.83	W1-2/W13-1P				1						
				50	5.89	W1-2		6.011	6.099	1	2					W1-2L, W1-2R
20-NE	94046	0.00	9.26		6.22	W1-2				1						
				50			80	0.940		1		8				W1-1R
					0.03	W1-8				1						
					0.04	W1-8				1						
					0.06	W1-8				1						
44-NE	95010	0.00	6.07		0.21	W1-1				1						
				55	4.33	W1-4/W13-1P		4.412		1				1		W1-4L, 35 mph
							95	4.654		1		8	1			W1-4L, 40 mph

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SHEET 32
 33 OF 52

CRP 11-04 County Road Safety

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44-NE (Cont.)					4.78	W1-4/W13-1P				1						
					5.22	W1-2				1						
				55				5.281	5.409		2					W1-2L, W1-2R
					5.45	W1-2				1						
Pinto Ridge Road	95025	0.00	14.50													
				50				0.861			1			1		W1-5, Next 2 Miles
					1.07	W1-2				1						
					1.45	W1-2				1						
					1.58	W1-2				1						
					2.04	W1-5				1						
					2.05	W1-2				1						
					2.95	W1-2				1						
				50					3.219		1			1		W1-5, Next 2 Miles
					3.09	W1-5				1						
					3.24	W1-2				1						
					5.47	W1-2				1						
				50				5.531	5.719		2					W1-2L, W1-2R
					5.73	W1-2/W13-1P				1						
					5.83	W1-2				1						
				50				5.831			1			1		W1-2R, 45 mph
									6.039		1			1		W1-2L, 40 mph
					6.16	W1-2/W13-1P				1						
					6.30	W1-4				1						
				50				6.381			1					W1-4R
				50					6.779		1					W1-4R

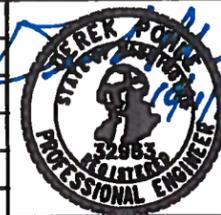
GRANT COUNTY PUBLIC WORKS DEPARTMENT
 124 ENTERPRISE ST. SE
 EPHRATA, WASHINGTON 98823
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COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET 33
 34 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"x12" with 4"X6" Wooden Post (EA)	* Comments / Notes
X-NE (Cont.)									20.639		1			1		W1-4R, 35 mph
					20.74	W1-5/W13-1P				1						
				50				20.761			1			1		W1-10L, 45 mph
									20.859		1					W1-10R
R-NE	95037	2.99	30.15													
					29.88	W1-2/W13-1P				1						
				55			115	30.006			1		12	1		W1-2R, 40 mph
									30.198		1			1		W1-2L, 35 mph
					30.05	W1-8				1						
					30.08	W1-8				1						
					30.11	W1-8				1						
					30.13	W1-8				1						
					30.29	W1-2/W13-1P				1						
52-NE	95037	36.12	37.13													
					35.93	W1-2/W13-1P				1						
				55			105	36.036			1		12	1		W1-2R, 40 mph
									36.218		1			1		W1-2L, 35 mph
					36.09	W1-8				1						
					36.10	W1-8				1						
					36.12	W1-8				1						
					36.14	W1-8				1						
					36.16	W1-8				1						
					36.30	W1-2/W13-1P				1						
					36.94	W1-1/W13-1P				1						

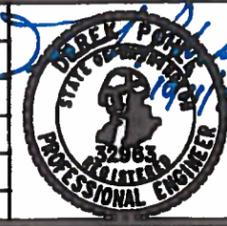
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COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

CRP 11-04

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 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET 35
 36 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
52-NE (Cont.)				55			115	37.012	37.198		2		10	2		W1-10b-L, W1-10c-R, 35 mph
					37.06	W1-8				1						
					37.07	W1-8				1						
					37.08	W1-8				1						
					37.10	W1-8				1						
					37.11	W1-8				1						
					37.12	W1-8				1						
					37.28	W1-1/W13-1P				1						
W-NE	95037	37.13	40.22													
					38.97	W1-2/W13-1P				1						
				55			80	39.052	39.218		2		12	2		W1-1L, W1-1R, 30 mph
					39.32	W1-2/W13-1P				1						
Grand Coulee Hill Road	95039	0.00	4.93													
					0.48	W1-5				1						
				50				0.571			1			1		W1-5, 25 mph
				50			105						4			
				50			105						6			
					1.03	W1-1/W13-1P				1						
				50			75						10			
					1.23	W1-1/W13-1P				1						
				50			105						10			
				50			70						12			
				50			70						16			
					1.85	W1-1/W13-1P				1						
				50			80						8			

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COUNTY ROAD SAFETY PROJECT
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3P
 SHEET 36
 37 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
Grand Coulee Hill Road (Cont.)				50			105						8			
					2.05	W1-1/W13-1P				1						
				50			105						6			
				50			70						6			
				50					2.349		1			1		W1-5, 25 mph
					2.59	W1-5/W13-1P				1						
				50				2.621			1			1		W1-5, 15 mph
				50			105						6			
				50			70						6			
				50			75						10			
				50			80						8			
					3.10	W1-8				1						
					3.12	W1-8				1						
					3.13	W1-8				1						
				50			70						12			
					3.22	W1-8				1						
					3.24	W1-8				1						
					3.26	W1-8				1						
				50			80						12			
				50			70						12			
				50			80						8			
					3.53	W1-8				1						
					3.54	W1-8				1						
					3.55	W1-8				1						
				50												

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COUNTY ROAD SAFETY PROJECT
 SIGNING PLANS

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 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SP
 SHEET 37
 38 OF 52

CRP 11-04 County Road Safety

Horizontal Curve Design - By Road Log#
 (County Wide - all 06, 07 & 08 FFC Routes, > 25 mph)
 (Design Does not include Gravel Roads)

Road Name	Road Log #	Begin Mile Post	End Mile Post	Speed Limit	Existing Sign Mile Post	Existing Sign Code	Chevron Spacing - Adjusted to Fit Curve	New Sign Location - Increasing Mile Post	New Sign Location - Decreasing Mile Post	Remove Existing Warning Sign & Post (EA)	30" Warning Sign with 4"X4" Wooden Post (EA) - * See Note for Warning Sign Type	W1-6, Large Arrow 48"x24" with 4"X4" Wooden Post (EA)	W1-8, Chevron 18"x24" with 4"X4" Wooden Post (EA)	W13-1P, 24"x24" (EA) - *See Note for MPH	R1-1, Stop 48" & W4-4P, Cross Traffic Does Not Stop 24"X12" with 4"X6" Wooden Post (EA)	* Comments / Notes
Grand Coulee Hill Road (Cont.)				50												
				50												
					3.94	W1-5/W13-1P				1						
					3.95	W1-5/W13-1P				1						
				50												
				50			70						6			
				50			50						4			
				50			70						6			
				50			70						6			
					4.28	W1-6				1						
					4.29	W1-6				1						
				50			37						14			
					4.34	W1-6				1						
					4.46	W1-5/W13-1P				1						
					4.52	W1-5/W13-1P				1						
				50			65						8			
				50					4.689		1			1		W1-5, 15 mph
					4.84	W1-5/W13-1P				1						
									Project Total		455	386	12	1,490	296	4

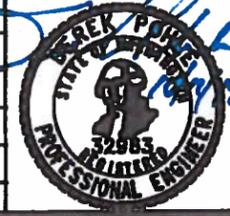
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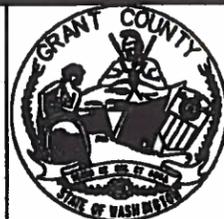


SHEET **38**
 39 OF 52

**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)			Notes	
				PC	PT		Spacing	# Left	# Right		Intersections
12-SW / SE	10270	0.00 , 0.00	3.91 , 9.02								
	91027	G-SW	Dodson	0+00	206+50		525	39	39		
		Dodson	F-SE	206+50	682+00		525	90	90		
						Sub-Total		129	129	258	
Beverly-Burke Road	91013	0.00	20.69								
		SR 243			0+00	1+25					
					1+25	3+75	300	50	1	7	
					3+75	82+65		525	15	15	
					82+65	95+25	1,480	100	15	2	
					100+30	114+55	2,830	140	12	3	
					114+55	266+10		525	29	29	
					266+10	281+60	985	85	3	20	
				SR 26	281+60	382+00		525	19	19	
				SR 26	382+00	415+55		525	6	6	
					415+55	421+70	2,400	140	6	1	
					424+50	430+70	945	85	1	9	
					430+70	441+35		525	2	2	
					441+35	446+80	1,400	100	7	1	
					446+80	684+35		525	45	45	
					684+35	696+75	1,475	100	2	14	
					696+75	744+05		525	9	9	
					744+05	750+60	1,460	100	8	1	
			750+60	772+50		525	4	4			
			772+50	779+10	1,630	100	8	1	8	Frenchman Hill	
			S Frontage Road	779+10	1028+00		525	47	47		
		1-SW		1041+00	1084+00		525	8	8		
				1084+00	1107+25	2,925	160	16	4	8	Baseline W
			SR 281	1107+25	1171+00		525	12	12		
						Sub-Total		275	259	16	550
Adams Road	91017	0.00	23.67								
		SR 26			0+00	65+00		525	12	12	
					65+00	72+75	2,260	140	1	7	
					72+75	89+30		525	3	3	
					89+30	96+45	2,450	140	7	1	
				96+45	257+35		525	30	30	16	11-SW

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COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE

CRP 11-04

DESIGNED BY: JEFF TINCHER
DRAWN BY: TODD MITTGE
CHECKED BY: DEREK POHLE
REVISIONS BY:
DATE REVISED:
FEDERAL AID NO.: HSIP-000S(273)



SHEET ^{GP} 1
40 OF 52

**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)				Notes
				PC	PT		Spacing	# Left	# Right	Intersections	
Adams Road (Cont.)				257+35	267+60	975	85	2	14		
				269+55	272+40	610	70	6	1		
				272+40	280+60		525	1	1		
				280+60	284+20	560	65	1	7		
				285+80	289+45	550	65	8	1		
				292+35	294+80	1,725	120	1	4		
				299+85	306+70	735	75	11	1		
				311+80	316+80	2,190	120	1	6		
				316+80	410+50		525	17	17	16	Frenchman Hill
				410+50	423+90	1,150	90	2	16		
				423+90	437+90		525	2	2		
				437+90	451+10	1,135	90	17	2		
				451+10	727+80		525	52	52		
				727+80	731+50	2,155	120	5	1		
				731+50	764+20		525	6	6		
				764+20	767+80	2,130	120	1	5		
			S Frontage Road	767+80	792+00		525	4	4		
		N Frontage Road		806+50	940+95		525	25	25		
		SR 283		940+95	943+00	550	65	1	4		
		SR 283		943+00	944+60	220	35	6	1		
				945+20	946+60	475	55	1	4		
			SR 28	946+60	1275+85		525	62	62	16	5-NW
						Sub-Total		285	289	48	622
Dodson Road	91030	0.00	29.70								
		SR 26		0+00	109+85		525	21	21		
				109+85	118+15	1,535	100	10	1	16	12-SW
				118+75	126+60	1,475	100	1	11		
				126+60	198+75		525	14	14		
				198+75	206+35	600	70	1	13		
				211+50	216+95	400	55	12	1		
				216+95	225+60		525	1	1		
				225+60	230+70	625	70	9	1		
				230+70	239+00		525	1	1		
				239+00	244+30	587	65	1	10		
			S. Frontage Road	244+30	814+00		525	109	109	16	Frenchman Hill

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COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE

CRP 11-04

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SHEET 60
2
41 OF 52

**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)			Notes	
				PC	PT		Spacing	# Left	# Right		Intersections
Dodson Road (Cont.)		N. Frontage Road		836+50	1314+90		525	91	91	16	5-NW
				1314+90	1321+40	2,436	140	1	7		
				1321+40	1347+10		525	5	5		
				1347+10	1364+15	3,620	160	13	3		
				1364+15	1387+70		525	4	4		
				1387+70	1396+70	2,919	160	1	8		
				1396+70	1474+80		525	15	15		
				1528+00	1565+90		525	7	7		
					Sub-Total		317	323	48	688	
Frenchman Hill Road	91035	5.82	25.44	0+00	156+30		525	30	30		
				156+30	160+40	745	75	8			
				160+40	214+30		525	10	10		
				214+30	219+85	1,425	100		8		
				219+85	240+80		525	4	4		
				240+80	248+90	570	65	15	1		
				248+90	257+65		525	1	1		
				257+65	264+05	405	55		14		
				264+05	336+13		525	13	13		
				336+13	336+55	200	35		4		
				336+55	347+00		525	2	2		
				347+00	353+85	1,375	100	9	1		
				353+85	359+40		525	1	1		
				359+40	363+00	1,165	90		6		
				363+00	420+00		525	10	10		
				420+00	426+10	1,475	100	8	1		
				426+10	434+40		525	1	1		
				434+40	438+70	1,375	100		6		
				438+70	458+00		525	4	4		
				458+00	464+95	940	85	10	1		
464+95	473+65	1,265	100	1	8						
473+65	493+00		525	4	4						
493+00	495+80	1,045	90		5						
495+80	505+00	800	80	11	1						
505+00	510+20	710	75		8						

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COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE

CRP 11-04

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SHEET 3
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**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)			Notes
				PC	PT		Spacing	# Left	# Right	
Frenchman Hill Road (Cont.)				510+20	527+20		525	3	3	
				527+20	529+60	835	80	5		
				529+60	536+30		525	1	1	
				536+30	538+90	1,135	90		5	
				538+90	546+95		525	1	1	
				546+95	551+00	1,085	90		7	
				551+00	572+25		525	4	4	
				572+25	573+10	640	70	3		
				573+10	657+60		525	16	16	
				657+60	662+40	1,590	100	7	1	
				662+40	689+10		525	5	5	
				689+10	695+40	1,615	100	1	8	
				695+40	722+50		525	5	5	
				722+50	728+60	1,325	100	8		
				728+60	783+75		525	10	10	
				783+75	786+40	820	80		5	
				786+40	824+20		525	7	7	
				824+20	825+80	1,230	100		4	
		Dodson	838+50	825+80	840+00		525	3	3	
				840+00	842+50	1,355	100	5		
				842+50	877+85		525	7	7	
				877+85	880+25	1,245	100		4	
				880+25	1070+25		525	36	36	
				1010+25	1077+35	730	75	12	1	
				1077+35	1084+10		525	1	1	
			SR 262	1084+10	1088+45	705	75	8		
				Sub-Total				290	278	568
24-SW	91050	0.00	13.83							
		SR 243	City Limits	0+00	13+50		525	3	3	
		City Limits		45+30	712+40		525	127	127	
			SR 24	712+40	721+55	760	75	14	2	
				Sub-Total				144	132	276
M-SE	92015	0.00	6.46							
		SR 262		0+00	18+35		525	3	3	
				18+35	23+65	740	75	1	9	

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COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE

CRP 11-04

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SHEET 4
43 OF 52

**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)			Notes
				PC	PT		Spacing	# Left	# Right	
M-SE (Cont.)				23+65	32+30		525	2	2	
				32+30	43+90	995	85	16	2	
				43+90	337+35		525	56	56	
				337+30	337+90	200	35		3	
			SR 17	339+10	340+00	140	25	5		
						Sub-Total		83	75	158
U-SE / NE	92035	0.00	15.80							
		Adams County		2+85	6+00	2,460	140	1	4	
				6+00	10+80	2,560	140	5	1	
			City Limits	10+80	173+00		525	30	30	
		City Limits	S. Frontage Road	239+00	628+75		525	74	74	
		N. Frontage Road	3-NE	642+20	797+85		525	29	29	
						Sub-Total		139	138	277
5-NW / U-NW	93010	0.00	22.91							
		Dodson		0+00	453+35		525	86	86	
				453+35	455+15	195	30	8	1	
			SR 283	455+15	456+10	130	25		4	
		SR 283		456+10	457+00	95	20		5	
				457+20	460+20	460	55	7		
			SR 281	460+20	740+70		525	53	53	
		SR 281		740+70	796+70		525	10	10	
				796+70	797+55	500	65		4	
				797+55	823+50		525	5	5	
				823+50	824+80	750	75	4		
				824+80	894+65		525	13	13	
				894+65	904+00	950	85	13	2	
				904+00	910+00		525	1	1	
				910+00	919+10	920	85	2	13	
				919+10	953+50		525	6	6	
				953+50	968+60	960	85	20	3	
				968+60	1210+10		525	46	46	
						Sub-Total		274	252	526
Sagebrush Flats Road	93047	0.67	12.70							
		City Limits		0+00	4+15		525	1	1	
				4+15	9+20	990	85	1	8	

GRANT COUNTY PUBLIC WORKS DEPARTMENT
124 ENTERPRISE ST. SE
EPHRATA, WASHINGTON 98823
(509) 754-6082 FAX (509) 754-6087



**COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE**

CRP 11-04

DESIGNED BY: JEFF TINCHER
DRAWN BY: TODD MITTGE
CHECKED BY: DEREK POHLE
REVISIONS BY:
DATE REVISED:
FEDERAL AID NO.: HSIP-000S(273)



6P
SHEET 5
44 OF 52

**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)				Notes
				PC	PT		Spacing	# Left	# Right	Intersections	
Sagebrush Flats Road (Cont.)				9+20	19+20		525	2	2		
				19+20	22+70	1,750	120	5			
				22+70	30+10		525	1	1		
				30+10	35+25	3,435	160	1	5		
				35+25	43+70		525	2	2		
				43+70	48+20	1,320	100	7	1		
				48+20	52+40		525	1	1		
				52+40	54+90	1,000	90		5		
				54+90	57+80		525	1	1		
				57+80	60+95	1,575	100	5			
				60+95	70+65		525	2	2		
				70+65	77+05	1,340	100	9	1		
				77+05	206+50		525	25	25		
				206+50	210+60	1,445	100		6		
				210+60	215+70		525	1	1		
				215+70	220+00	1,200	100	6	1		
				223+50	230+20	1,060	90	1	10		
				234+80	238+10	1,800	120	1	5		
				238+10	244+40		525	1	1		
				244+40	248+65	1,190	90	7	1		
				248+65	274+90		525	5	5		
				274+90	280+75	2,695	140	6	1		
				280+75	302+50		525	4	4		
				302+50	311+30	995	85	12	1		
				311+30	327+20		525	3	3		
				327+20	330+10	840	80	1	6		
				330+10	338+75		525	1	1		
				338+75	343+10	2,135	120	1	6		
				343+10	354+10		525	2	2		
				354+10	357+95	1,050	90		6		
				357+95	377+55		525	3	3		
				377+55	381+70	2,385	140	5			
				381+70	411+15		525	5	5		
				411+15	414+95	1,560	100	6	1		
				414+95	440+50		525	5	5		

GRANT COUNTY PUBLIC WORKS DEPARTMENT
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**COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE**

CRP 11-04

DESIGNED BY: JEFF TINCHER
DRAWN BY: TODD MITTGE
CHECKED BY: DEREK POHLE
REVISIONS BY:
DATE REVISED:
FEDERAL AID NO.: HSIP-000S(273)

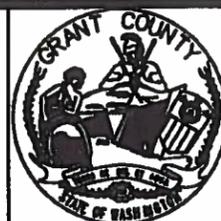


6P
SHEET 6
45 OF 52

**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)			Notes
				PC	PT		Spacing	# Left	# Right	
Sagebrush Flats Road (Cont.)				440+50	443+25	1,100	90	5	1	
				443+25	455+00		525	2	2	
				455+00	459+50	835	80	8	1	
				459+50	475+60		525	3	3	
				475+60	479+75	1,140	90	7	1	
				482+05	485+20	755	75	1	6	
				486+65	488+50	590	65		5	
				488+50	504+55		525	3	3	
				504+55	510+60	1,565	100	8	1	
				510+60	525+95		525	3	3	
				525+95	529+15	1,775	120		5	
				529+15	558+10		525	5	5	
				558+10	573+05	1,370	100	3	17	
				573+05	579+45		525	1	1	
				579+45	593+70	1,425	100	16	2	
			Douglas County	593+70	631+15		525	7	7	
						Sub-Total		211	192	403
Stratford Road	94025	1.12	20.84							
		City Limits		0+00	959+15		525	182	182	
				959+15	970+55	1,410	100	2	13	
				970+55	978+35		525	1	1	
				978+35	980+70	920	85		5	
				980+70	991+05		525	2	2	
				991+05	993+20	800	80		5	
				995+30	1000+30	500	65	10	1	
				1000+30	1005+70		525	1	1	
				1005+70	1008+05	635	70	5		
				1010+75	1013+50	210	35	10	1	
				1013+50	1029+05		525	3	3	
				1029+05	1030+85	135	25		9	
			23-NE	1030+85	1040+25		525	2	2	
						Sub-Total		218	225	443
Pinto Ridge Road	95025	0.00	14.50							
		SR 28		0+00	45+70		525	8	8	
				45+70	55+65	965	85	2	14	

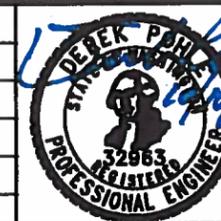
GRANT COUNTY PUBLIC WORKS DEPARTMENT
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(509) 754-6082 FAX (509) 754-6087



COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE

CRP 11-04

DESIGNED BY: JEFF TINCHER
DRAWN BY: TODD MITTGE
CHECKED BY: DEREK POHLE
REVISIONS BY:
DATE REVISED:
FEDERAL AID NO.: HSIP-000S(273)

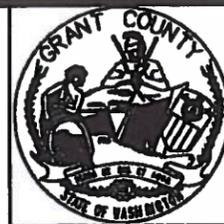


SHEET 7
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**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)			Notes
				PC	PT		Spacing	# Left	# Right	
Pinto Ridge Road (Cont.)				55+65	63+55		525	1	1	
				63+55	69+75	825	80	10	1	
				69+75	89+25		525	3	3	
				89+25	103+40	1,730	120	14	2	
				103+40	115+55		525	2	2	
				115+55	118+35	760	75	6		
				118+35	125+40		525	1	1	
				125+40	125+95	200	35	4		
				125+95	130+70		525	1	1	
				130+75	135+20	630	70	1	8	
				137+60	155+25	1,860	120	3	17	
				155+25	162+95		525	1	1	
				162+95	168+60	1,185	90	8	1	
				168+60	295+75		525	24	24	
				295+75	300+95	1,000	90	1	8	
				300+95	310+00		525	2	2	
				310+00	318+40	675	70	14	1	
				318+40	339+95		525	4	4	
				339+95	346+35	1,015	90	9	1	
				350+80	357+50	950	85	1	10	
				357+50	381+70		525	4	4	
				381+70	384+80	1,160	90		5	
				384+80	444+30		525	11	11	
				444+30	455+00	800	80	15	2	
				458+95	468+60	940	85	2	13	
				468+60	505+70		525	7	7	
				505+70	511+40	1,735	120	7	1	
				515+40	524+60	1,560	100	2	11	
				524+60	534+00		525	2	2	
				534+00	545+55	1,205	100	2	14	
				545+55	555+45		525	2	2	
				555+45	557+80	690	70	5		
				557+80	594+90		525	7	7	
				594+90	597+85	1,555	100	5		
				597+85	602+60		525	1	1	

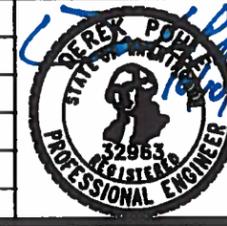
GRANT COUNTY PUBLIC WORKS DEPARTMENT
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EPHRATA, WASHINGTON 98823
(509) 754-6082 FAX (509) 754-6087



COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE

CRP 11-04

DESIGNED BY: JEFF TINCHER
DRAWN BY: TODD MITTGE
CHECKED BY: DEREK POHLE
REVISIONS BY:
DATE REVISED:
FEDERAL AID NO.: HSIP-000S(273)



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SHEET 8
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**CRP 11-04 County Road Safety
Guide Post List - By Road Log#**

Road Name	Road Log #	Begin Mile Post	End Mile Post	Tangent / Curve		Approx. Radius	Flexible Guide Posts (EA)			Notes
				PC	PT		Spacing	# Left	# Right	
Pinto Ridge Road (Cont.)				602+60	606+60	1,580	100	1	6	
				606+60	625+75		525	3	3	
				625+75	632+50	1,565	100	1	9	
				632+50	648+20		525	3	3	
				648+20	654+60	1,565	100	9	1	
				654+60	671+40		525	3	3	
				671+40	673+60	930	85	5		
				673+60	699+90		525	5	5	
				699+90	705+55	1,645	100	1	8	
				705+55	713+25		525	1	1	
				713+25	718+65	1,715	120	7	1	
				718+65	732+80		525	2	2	
				732+80	744+70	1,175	90	2	15	
				744+70	761+35		525	3	3	
				761+35	765+70	600	70	8	1	
						Sub-Total		246	251	497

Project Total 5,266

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EPHRATA, WASHINGTON 98823
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**COUNTY ROAD SAFETY PROJECT
GUIDEPOST SCHEDULE**

CRP 11-04

DESIGNED BY:	JEFF TINCHER
DRAWN BY:	TODD MITTGE
CHECKED BY:	DEREK POHLE
REVISIONS BY:	
DATE REVISED:	
FEDERAL AID NO.:	HSIP-000S(273)



SHEET 69
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CRP 11-04 County Road Safety

Transverse Rumble Lines & Stop Ahead Signs

Road Name	Road Log #	Speed Limit	Cross Road	Direction	Advance Warning Distance (from stop sign)	Transverse Rumble Line (LF)	Approx. MP	W3-1 Stop Ahead Symbol 36"X36" with 4"X6" Wooden Post (EA)	Remove Existing Warning Sign & Post (EA)
19-NE	46450	35 mph	SR 17	Eastbound	250	240	0.63	1	1
		50 mph	SR 17	Westbound	400	240	0.76	1	1
U-NW	93010	60 mph	SR 28	Northbound	400	240	22.83	1	1
Adams	91017	60 mph	SR 283	Northbound	400	240	17.28	1	1
Beverly Burke	91013	60 mph	SR 26	Northbound	400	240	7.12	1	1
				Southbound	400	240	7.29	1	1
Frenchman Hills	91035	50 mph	Dodson	Eastbound	400	240	20.62	1	1
				Westbound	400	240	20.78	1	1
11-SW	91020	55 mph	Dodson	Eastbound	400	240	14.01	1	1
12-SE	91027	55 mph	SR 262	Eastbound	400	240	3.92	1	1
				Westbound	400	240	4.08	1	1
5-NW	93010	60 mph	SR 283	Westbound	400	240	8.54	1	1
7-NE	40305	50 mph	Stratford	Eastbound	400	240	0.08	1	1
				Westbound	400	240	0.08	1	1
20-NE	94025	50 mph	Stratford	Eastbound	400	240	9.18	1	1
					Total	3600		15	15

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GRANT COUNTY PUBLIC WORKS DEPARTMENT
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 EPHRATA, WASHINGTON 98823
 (509) 754-6082 FAX (509) 754-6087



COUNTY ROAD SAFETY PROJECT
 TRANSVERSE RUMBLE LINES
 & STOP AHEAD SIGNS

CRP 11-04

DESIGNED BY: JEFF TINCHER
 DRAWN BY: TODD MITTGE
 CHECKED BY: DEREK POHLE
 REVISIONS BY:
 DATE REVISED:
 FEDERAL AID NO.: HSIP-000S(273)



SHEET SA
 1
 50 OF 52

SEC 2, T19N., R24E. W.M.

SEC 1, T19N., R24E. W.M.



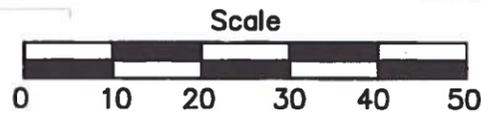
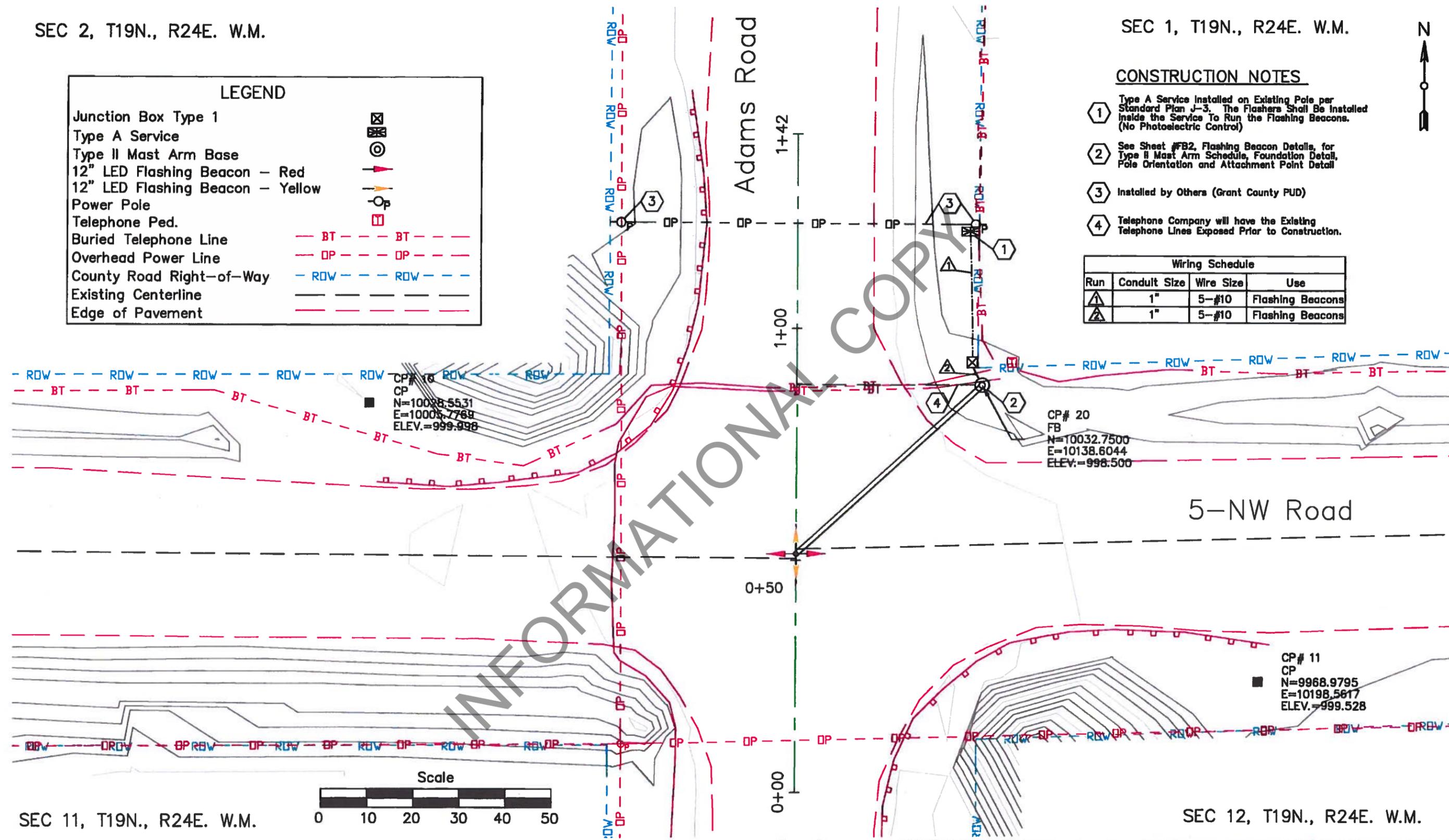
LEGEND

- Junction Box Type 1
- Type A Service
- Type II Mast Arm Base
- 12" LED Flashing Beacon - Red
- 12" LED Flashing Beacon - Yellow
- Power Pole
- Telephone Ped.
- Buried Telephone Line
- Overhead Power Line
- County Road Right-of-Way
- Existing Centerline
- Edge of Pavement

CONSTRUCTION NOTES

- ① Type A Service Installed on Existing Pole per Standard Plan J-3. The Flashers Shall Be Installed Inside the Service To Run the Flashing Beacons. (No Photoelectric Control)
- ② See Sheet #B2, Flashing Beacon Details, for Type II Mast Arm Schedule, Foundation Detail, Pole Orientation and Attachment Point Detail
- ③ Installed by Others (Grant County PUD)
- ④ Telephone Company will have the Existing Telephone Lines Exposed Prior to Construction.

Wiring Schedule			
Run	Conduit Size	Wire Size	Use
▲	1"	5-#10	Flashing Beacons
▲	1"	5-#10	Flashing Beacons

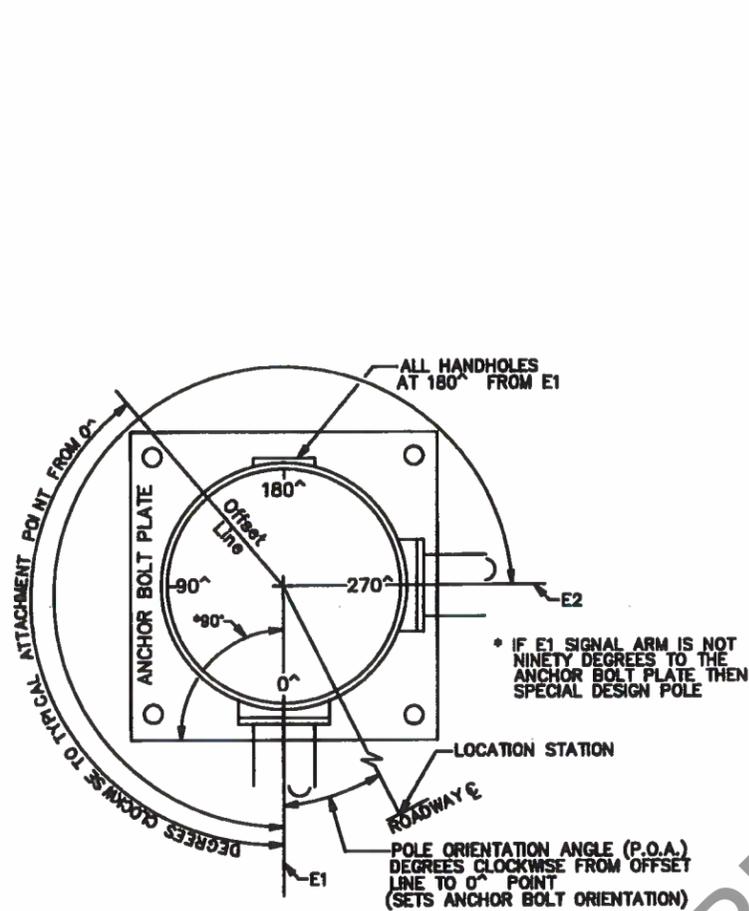


SEC 11, T19N., R24E. W.M.

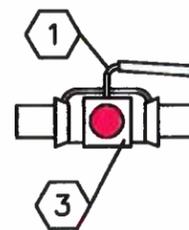
SEC 12, T19N., R24E. W.M.

TIME				COUNTY NO.	STATE	FED.AID PROJ.NO.			Grant County Public Works Department 124 Enterprise St. SE Ephrata, WA 98823 (509) 754-6082	CRP 11-04 County Road Safety	PLAN REF NO
DATE				13	WASH	HSIP-000S(273)					FB1
PLOTTED BY	T. Mittge			PROGRAM NUMBER		ROAD LOG NUMBER					SHEET 51 OF 52 SHEETS
DESIGNED BY	J. Tincher			4028		91017					
ENTERED BY	J. Tincher										
CHECKED BY	D. Pohle										
PROJ. ENGR.	T. Mittge										
COUNTY ENGINEER	D. Pohle										
		REVISION		DATE	BY						

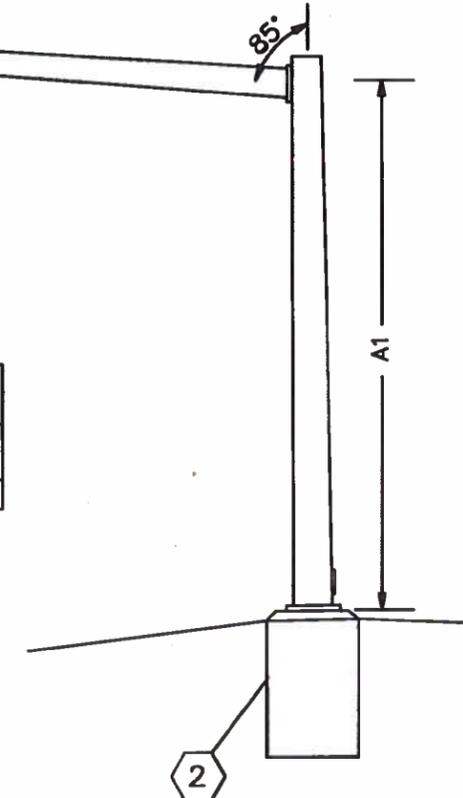
Adams/5-NW Flashing Beacon-Plan



POLE ORIENTATION AND ATTACHMENT POINT DETAIL



TYPE II MAST ARM SCHEDULE						
POLE NUMBER	LOCATION		MAST ARM	A1	P.O.A.	COMMENTS
	STATION	OFFSET				
1	0+BB	40.3' RT	54'	22.4'	42.00°	Base Elev. 998.50



CONSTRUCTION NOTES

- 1 Install 4 - 12" LED Flashing Beacons (2-Red, 2-Yellow) per Standard Plans J-75.20-00 & J-75.30-01
- 2 Foundation per WSDOT Standard Plan J-26.10-02 & J-26.15-01 Use Alternate #2 Construction Method Foundation Type 3'-0" Round, Depth 8'-0" Backfill with Controlled-Density Fill
- 3 Backplate with Retroreflective Tape - All 4 Sides

TIME				COUNTY NO.	STATE	FED.AID PROJ.NO.			Grant County Public Works Department 124 Enterprise St. SE Ephrata, WA 98823 (509) 754-8082	CRP 11-04 County Road Safety	PLAN REF NO
DATE				13	WASH	HSIP-000S(273)					FB2
PLOTTED BY	T. Mittae			PROGRAM NUMBER		ROAD LOG NUMBER					SHEET
DESIGNED BY	J. Tincher			4028		91017					52
ENTERED BY	J. Tincher										OF
CHECKED BY	D. Pohle										52
PROJ. ENGR.	T. Mittae										SHEETS
COUNTY ENGINEER	D. Pohle										
		REVISION		DATE	BY						

Flashing Beacon - Details