

PART VI

AMENDMENTS TO STANDARD

SPECIFICATIONS

1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the 2010
3 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 and
8 supersede any conflicting provisions of the Standard Specifications. For informational purposes, the
9 date following each Amendment title indicates the implementation date of the Amendment or the latest
10 date of revision.

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

15 02.AP1

16 **SECTION 1-02, BID PROCEDURES AND CONDITIONS**
17 **January 4, 2010**

18 **1-02.7 Bid Deposit**

19 In the first paragraph, the third sentence is revised to read:

20
21 For projects scheduled for bid opening in Olympia, the proposal bond may be in hard copy or
22 electronic format via Surety2000.com or Insurevision.com and BidX.com.

23
24 **1-02.9 Delivery of Proposal**

25 In the first paragraph, the first sentence is revised to read:

26
27 For projects scheduled for bid opening in Olympia, each Proposal shall be sealed and submitted
28 in the envelope provided with it, or electronically via Expedite software and BidX.com at the
29 location and time identified in Section 1-02.12.

30
31 The following new paragraph is inserted after the first paragraph:

32
33 For projects scheduled for bid opening in the Region, each Proposal shall be sealed and
34 submitted in the envelope provided with it, at the location and time identified in Section 1-02.12.
35 The Bidder shall fill in all blanks on this envelope to ensure proper handling and delivery.
36

37 06.AP1

38 **SECTION 1-06, CONTROL OF MATERIALS**
39 **April 5, 2010**

40 **1-06.1 Approval of Materials Prior to Use**

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

42
43 **1-06.1(4) Fabrication Inspection Expense**

44 In the event the Contractor elects to have items fabricated beyond 300 miles from Seattle,
45 Washington the Contracting Agency will deduct from payment due the Contractor costs to perform
46 fabrication inspection on the following items:

- Steel Bridges and Steel Bridge components
- Cantilever Sign Structures and Sign Bridges
- Cylindrical, Disc, Pin, and Spherical Bearings
- Modular Expansion Joints
- Additional items as may be determined by the Engineer.

The deductions for fabrication inspection costs will be as shown in the Payment Table below.

Zone	Place of Fabrication	Reduction in Payment
1	Within 300 airline miles from Seattle	None
2	Between 300 and 3,000 airline miles from Seattle	\$700.00 per *inspection day
3	Over 3,000 airline miles from Seattle	\$1,000 per *inspection day, but not less than \$2,500 per trip

*Note - An inspection day includes any calendar day or portion of a calendar day spent inspecting at or traveling to and from a place of fabrication.

Where fabrication of an item takes place in more than one zone, the reduction in payment will be computed on the basis of the entire item being fabricated in the furthest of zones where any fabrication takes place on that item.

The rates for Zone 2 and 3 shall be applied for the full duration time of all fabrication inspection activities to include but not limited to; plant approvals, prefabrication meetings, fabrication, coatings and final inspection.

1 **1-06.2(2)A General**
 2 Table 2 "Pay Factors" on page 1-39 is revised to read:
 3

Table 2
Pay Factors

PAY FACTOR	Minimum Required Percent of Work Within Specification Limits for a Given Factor (P _U + P _L) - 100														
	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10 to n=11	n=12 to n=14	n=15 to n=17	n=18 to n=22	n=23 to n=29	n=30 to n=42	n=43 to n=66	n=67 to ∞
1.05						100	100	100	100	100	100	100	100	100	100
1.04					100	99	97	95	96	96	96	97	97	97	97
1.03				100	98	96	94	92	93	93	94	95	95	96	96
1.02				99	97	94	91	89	90	91	92	93	93	94	94
1.01	100	100	100	98	95	92	89	87	88	89	90	91	92	92	93
1.00	69	75	78	80	82	83	84	85	86	87	88	89	90	91	92
0.99	66	72	76	78	80	81	82	83	84	85	86	87	89	90	91
0.98	64	70	74	76	78	79	80	81	82	84	85	86	87	88	90
0.97	63	68	72	74	76	77	78	79	81	82	83	84	86	87	88
0.96	61	67	70	72	74	75	76	78	79	81	82	83	84	86	87
0.95	59	65	68	71	72	74	75	76	78	79	80	82	83	84	86
0.94	58	63	67	69	71	72	73	75	76	78	79	80	82	83	85
0.93	57	62	65	67	69	71	72	73	75	76	78	79	80	82	84
0.92	55	60	63	66	68	69	70	72	73	75	76	78	79	81	82
0.91	54	59	62	64	66	68	69	70	72	74	75	76	78	79	81
0.90	53	57	61	63	65	66	67	69	71	72	74	75	77	78	80
0.89	51	56	59	62	63	65	66	68	69	71	72	74	75	77	79
0.88	50	55	58	60	62	64	65	66	68	70	71	73	74	76	78
0.87	49	53	57	59	61	62	63	65	67	68	70	71	73	75	77
0.86	48	52	55	58	59	61	62	64	66	67	69	70	72	74	76

(Continued)

4
 5
 6
 7 Table 2 "Pay Factors" on page 1-40 is revised to read:
 8

Table 2
Pay Factors (continued)

PAY FACTOR	Minimum Required Percent of Work Within Specification Limits for a Given Factor (P _U + P _L) - 100														
	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10 to n=11	n=12 to n=14	n=15 to n=17	n=18 to n=22	n=23 to n=29	n=30 to n=42	n=43 to n=66	n=67 to ∞
0.85	46	51	54	56	58	60	61	62	64	66	67	69	71	72	75
0.84	45	49	53	55	57	58	60	61	63	65	66	68	70	71	73
0.83	44	48	51	54	56	57	58	60	62	64	65	67	69	70	72
0.82	43	47	50	53	54	56	57	59	61	62	64	66	67	69	71
0.81	41	46	49	51	53	55	56	58	59	61	63	64	66	68	70
0.80	40	44	48	50	52	54	55	56	58	60	62	63	65	67	69
0.79	39	43	46	49	51	52	54	55	57	59	61	62	64	66	68
0.78	38	42	45	48	50	51	52	54	56	58	59	61	63	65	67
0.77	36	41	44	46	48	50	51	53	55	57	58	60	62	64	66
0.76	35	39	43	45	47	49	50	52	54	56	57	59	61	63	65
0.75	33	38	42	44	46	48	49	51	53	54	56	58	60	62	64
REJECT	Values Less Than Those Shown Above														
Reject Quality Levels Less Than Those Specified for a 0.75 Pay Factor															
Note: If the value of (P _U + P _L) - 100 does not correspond to a (P _U + P _L) - 100 value in this table, use the next smaller (P _U + P _L) - 100 value.															

9
 10

1 07.AP1

2 **SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**
3 **April 5, 2010**

4 **1-07.13(4) Repair of Damage**

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

6

7 For damage qualifying for relief under Sections 1-07.13(1), 1-07.13(2), 1-07.13(3), or 8-17.5,
8 payment will be made in accordance with Section 1-09.4 using the estimated Bid item
9 "Reimbursement for Third Party Damage".

10

11 **1-07.16(2) Vegetation Protection and Restoration**

12 The second paragraph is revised to read:

13

14 Damage which may require replacement of vegetation includes torn bark stripping, broken
15 branches, exposed root systems, cut root systems, poisoned root systems, compaction of surface
16 soil and roots, puncture wounds, drastic reduction of surface roots or leaf canopy, changes in
17 grade greater than 6-inches, or any other changes to the location that may jeopardize the survival
18 or health of the vegetation to be preserved.

19

20 The third paragraph is revised to read:

21

22 When large roots of trees designated to be saved are exposed by the Contractor's operation, they
23 shall be wrapped with heavy, moist material such as burlap or canvas for protection and to prevent
24 excessive drying. The material shall be kept moist and securely fastened until the roots are
25 covered to finish grade. All material and fastening material shall be removed from the roots before
26 covering. All roots 1-inch or larger in diameter, which are damaged, shall be pruned with a sharp
27 saw or pruning shear. Damaged, torn, or ripped bark shall be removed as ordered by the Engineer
28 at no additional cost to the Contracting Agency.

29

30 The fourth paragraph is revised to read:

31

32 Any pruning activity required to complete the Work as specified shall be performed by a Certified
33 Arborist as designated by the Engineer.

34

35 08.AP1

36 **SECTION 1-08, PROSECUTION AND PROGRESS**
37 **April 5, 2010**

38 **1-08.1 Subcontracting**

39 The second and third sentences in the eighth paragraph are revised to read:

40

41 This Certification shall be submitted to the Project Engineer on WSDOT form 421-023, "Quarterly
42 Report of Amounts Paid as MBE/WBE Participants", quarterly for the State fiscal quarters: January
43 1 through March 31, April 1 through June 30, July 1 through September 30, October 1 through
44 December 31, and for any remaining portion of a quarter through Physical Completion of the
45 Contract. The report is due 20 calendar days following the fiscal quarter end or 20-calendar days
46 after Physical Completion of the Contract.

47

1 The last sentence in the ninth paragraph is revised to read:

2
3 When required, this "Quarterly Report of Amounts Credited as DBE Participation" is in lieu of
4 WSDOT form 421-023, "Quarterly Report of Amounts Paid as MBE/WBE Participants".
5

6 **1-08.5 Time for Completion**

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

8
9 When any of these holidays fall on a Sunday, the following Monday shall be counted a nonworking
10 day. When the holiday falls on a Saturday, the preceding Friday shall be counted a nonworking
11 day. The days between December 25 and January 1 will be classified as nonworking days.
12

13 09.AP1

14 **SECTION 1-09, MEASUREMENT AND PAYMENT** 15 **January 4, 2010**

16 **1-09.9 Payments**

17 The first paragraph is revised to read:

18
19 The basis of payment will be the actual quantities of Work performed according to the Contract
20 and as specified for payment.
21

22 The Contractor shall submit a breakdown of the cost of lump sum Items to enable the Project
23 Engineer to determine the Work performed on a monthly basis. Lump sum item breakdowns shall
24 be submitted prior to the first progress payment that includes payment for the Bid Item in question.
25 A breakdown is not required for lump sum items that include a basis for incremental payments as
26 part of the respective Specification. Absent a lump sum breakdown the Project Engineer will make
27 a determination based on information available. The Project Engineer's determination of the cost
28 of work shall be final.
29

30 In the third paragraph, the second sentence is deleted.
31

32 10.AP1

33 **SECTION 1-10, TEMPORARY TRAFFIC CONTROL** 34 **April 5, 2010**

35 In Division 1-10, all references to "truck mounted" are revised to read "transportable".
36

37 **1-10.2(3) Conformance to Established Standards**

38 In the fifth paragraph, the reference "(TMA's)" is deleted.
39

40 **1-10.3(2)C Lane Closure Setup/Takedown**

41 In the second paragraph, the reference to "TMA/arrow board" is revised to read "transportable
42 attenuator/arrow board".
43

44 **1-10.3(3)A Construction Signs**

45 In the fourth paragraph "height" is replaced with "top of the ballast".
46

1 **1-10.3(3)J Truck Mounted Attenuator**

2 The title for this section is revised to read:

3
4 **1-10.3(3)J Transportable Attenuator**

5
6 In the second and fourth paragraphs, the references to "TMA" are revised to read "Transportable
7 Attenuator".

8
9 In the first paragraph, the first sentence is revised to read:

10
11 Where shown on an approved traffic control plan or where ordered by the Engineer, the
12 Contractor shall provide, operate, and maintain transportable impact attenuators as required in
13 Section 9-35.12.

14
15 In the third paragraph, the reference to "truck's" is revised to read "host vehicle's".

16
17 **1-10.4(2) Item Bids with Lump Sum for Incidentals**

18 All references to "Truck Mounted Impact Attenuator(s)" are revised to read "Transportable
19 Attenuator(s)".

20
21 In the eighth paragraph, the first sentence is revised to read:

22
23 "Transportable Attenuator" will be measured per each one time only for each host vehicle with
24 mounted or attached impact attenuator used on the project.

25
26 In the last sentence of the ninth paragraph, the reference to "TMA" is replaced with "transportable
27 attenuator".

28
29 **1-10.5(2) Item Bids with Lump Sum for Incidentals**

30 All references to "truck mounted impact attenuator(s)" are revised to read "transportable attenuator(s)".

31
32 01.AP2

33 **SECTION 2-01, CLEARING, GRUBBING, AND ROADSIDE CLEANUP**
34 **April 5, 2010**

35 **2-01.3(2) Grubbing**

36 In the first paragraph Item 2. e. is revised to read:

37
38 e. Upon which embankments will be placed except stumps may be close-cut or trimmed as
39 allowed in Section 2-01.3(1) item 3.

40
41 02.AP2

42 **SECTION 2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS**
43 **January 4, 2010**

44 **2-02.3 Construction Requirements**

45 The fourth paragraph is revised to read:

1 The Contractor may dispose of waste material in Contracting Agency owned sites if the Special
2 Provisions or the Engineer permits it. Otherwise, the Contractor shall arrange to dispose of waste
3 at no expense to the Contracting Agency and the disposal shall meet the requirements of Section
4 2-03.3(7)C.
5

6 01.AP5

7 **SECTION 5-01, CEMENT CONCRETE PAVEMENT REHABILITATION**
8 **January 4, 2010**

9 **5-01.2 Materials**

10 The referenced section for the following item is revised to read:

11
12 Dowel Bars 9-07.5(1)
13

14 04.AP5

15 **SECTION 5-04, HOT MIX ASPHALT**
16 **April 5, 2010**

17 **5-04.3(8)A1 General**

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

19
20 Statistical evaluation will be used for a class of HMA with the same PG grade of asphalt binder,
21 when the Proposal quantities exceed 4,000-tons.
22

23 The third paragraph is revised to read:

24
25 Nonstatistical evaluation will be used for the acceptance of HMA when the Proposal quantities for
26 a class of HMA, with the same PG grade of asphalt binder, are 4,000-tons or less.
27

28 **5-04.3(8)A4 Definition of Sampling Lot and Sublot**

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

30
31 A lot is represented by randomly selected samples of the same mix design that will be tested for
32 acceptance with a maximum of 15 sublots per lot; the final lot for a mix design may be increased
33 to 25 sublots
34

35 **5-04.3(10)B1 General**

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

37
38 A lot is represented by randomly selected samples of the same mix design that will be tested for
39 acceptance with a maximum of 15 sublots per lot; the final lot for a mix design may be increased
40 to 25 sublots.
41

1 05.AP5

2 **SECTION 5-05, CEMENT CONCRETE PAVEMENT**
3 **April 5, 2010**

4 **5-05.3(4)A Acceptance of Portland Cement Concrete Pavement**

5 All references to "AASHTO T 22" are revised to read "WSDOT FOP for AASHTO T 22".

6
7 The eighth paragraph is revised to read:

8
9 Acceptance testing for compliance of air content and 28-day compressive strength shall be
10 conducted from samples prepared according to WSDOT FOP for WAQTC TM 2. Air content shall
11 be determined by conducting WSDOT FOP for WAQTC /AASHTO T 152. Compressive Strength
12 shall be determined by WSDOT FOP for AASHTO T 23 and WSDOT FOP for AASHTO T 22.

13
14 **5-05.3(12) Surface Smoothness**

15 The first paragraph is revised to read:

16
17 The pavement smoothness will be checked with equipment furnished and operated by the
18 Contractor, under supervision of the Engineer, within 48-hours following placement of concrete.
19 Smoothness of all pavement placed except Shoulders, ramp tapers, intersections, tight horizontal
20 curves, and small or irregular areas as defined by Section 5-05.3(3) unless specified otherwise,
21 will be measured with a recording profilograph, as specified in Section 5-05.3(3), parallel to
22 centerline, from which the profile index will be determined in accordance with WSDOT Test
23 Method 807. Tight horizontal curves are curves having a centerline radius of curve less than 1,000
24 feet and pavement within the superelevation transition of those curves.

25
26 **5-05.3(16) Protection of Pavement**

27 All references to "AASHTO T 22" are revised to read "WSDOT FOP for AASHTO T 22".

28
29 **5-05.3(17) Opening to Traffic**

30 All references to "AASHTO T 22" are revised to read "WSDOT FOP for AASHTO T 22".

31
32 02.AP6

33 **SECTION 6-02, CONCRETE STRUCTURES**
34 **April 5, 2010**

35 **6-02.3(6) Placing Concrete**

36 The third paragraph is revised to read:

37
38 All foundations, forms, and contacting concrete surfaces shall be moistened with water just before
39 the concrete is placed. Any standing water on the foundation, on the concrete surface, or in the
40 form shall be removed.

41
42 The following new sentence is added after the fourth sentence in the fourth paragraph:

43
44 The submittal to the Engineer shall include justification that the concrete mix design will remain
45 fluid for interruptions longer than 30-minutes between placements.

1 **6-02.3(10)D Concrete Placement, Finishing, and Texturing**

2 The following paragraph is inserted at the beginning of this section:

3
4 Before placing bridge approach slab concrete, the subgrade shall be constructed in accordance
5 with Sections 2-06 and 5-05.3(6).
6

7 **6-02.3(11) Curing Concrete**

8 In the fifth paragraph "Type 1D" is revised to read "Type 1D, Class B".
9

10 **6-02.3(17)F Bracing**

11 Under the heading "Temporary Bracing for Bridge Girders", the table is revised to read:
12

Girder Series	Distance in Inches
W42G	30
W50G	42
W58G	63
W74G	66
Prestressed concrete tub girders with webs with flanges	30
WF36G, WF42G, WF50G, WF58G, WF66G, WF74G, WF83G, WF95G, and WF100G	70
W32BTG, W38BTG, and W62BTG	70
WF74PTG, WF83PTG, WF95PTG, and WF100PTG	70

13
14
15 **6-02.3(17)N Removal of Falsework and Forms**

16 The first paragraph including table is revised to read:

17
18 If the Engineer does not specify otherwise, the Contractor may remove forms based on an
19 applicable row of criteria in the table below. Both compressive strength and minimum time criteria
20 must be met if both are listed in the applicable row. The minimum time shall be from the time of
21 the last concrete placement the forms support. In no case shall the Contractor remove forms or
22 falsework without the Engineer's approval.

Concrete Placed In	Percent of Specified Minimum Compressive Strength ¹	Minimum Compressive Strength ¹	Minimum Time
Columns, walls, non-sloping box girder webs, abutments, footings, pile caps,, traffic and pedestrian barriers, and any other side form not supporting the concrete weight.	—	—	3 days
Columns, walls, non-sloping box girder webs, abutments, traffic and pedestrian barriers, and any other side form not supporting the concrete weight or other loads.	—	1400 psi	18 hours
Side forms of footings, pile caps, and shaft caps. ²	—	—	18 hours
Crossbeams, shaft caps, struts, inclined columns and inclined walls.	80	—	5 days
Bridge decks supported on wood or steel stringers or on steel or prestressed concrete girders. ³	80	—	10 days
Box girders, T-beam girders, and flat-slab Superstructure. ³	80	—	14 days
Arches. ³	80	—	21 days
<p>1 Strength shall be proved by test cylinders made from the last concrete placed into the form. The cylinders shall be cured according to WSDOT FOP for AASHTO T 23.</p> <p>2 Curing compound shall be immediately applied to the sides when forms are removed.</p> <p>3 Where continuous spans are involved, the time for all spans will be determined by the last concrete placed affecting any span.</p>			

2

3

4

The third and fourth paragraphs are deleted.

5

6

The fifth paragraph is revised to read:

7

8

Curing shall comply as required in Section 6-02.3(11). The concrete surface shall not become dry during form removal if removed during the cure period.

9

10

11

6-02.3(20) Grout for Anchor Bolts and Bridge Bearings

12

In the fourth paragraph "9-20.3(4)" is revised to read "Section 9-20.3(4)".

13

14

6-02.3(24) Reinforcement

15

This first paragraph is revised to read:

1
2 Although a bar list is normally included in the Plans, the Contracting Agency does not guarantee
3 its accuracy and it shall be used at the Contractor's risk. Reinforcement fabrication details shall be
4 determined from the information provided in the Plans.

5
6 The third paragraph is deleted.

7
8 **6-02.3(24)C Placing and Fastening**

9 The eighth paragraph is revised to read:

10 Mortar blocks may be accepted based on a Manufacturer's Certificate of Compliance.

11
12
13 The 14th paragraph is revised to read:

14 Clearances for main bars shall be at least:

15	4-inches between:	Bars and the surface of any concrete masonry exposed to the
16		action of salt or alkaline water.
17	3-inches between:	Bars and the surface of any concrete deposited against earth
18		without intervening forms.
19	2-½-inches between:	Adjacent bars in a layer. Bridge deck bars and the top of the
20		bridge deck.
21	2-inches between:	Adjacent layers. Bars and the surface of concrete exposed to
22		earth. Reinforcing bars and the faces of forms for exposed
23		aggregate finish.
24	1-½-inches between:	Bars and the surface of concrete when not specified otherwise in
25		this Section or in the Plans. Barrier and curb bars and the surface
26		of concrete.
27	1-inch between:	Slab bars and the bottom of the slab. Slab bars and the top
28		surface of the bottom slab of a cast-in-place concrete box girder.
29		

30
31
32
33
34
35
36
37 The following new paragraph is inserted after the 14th paragraph:

38 Cover to ties and stirrups may be ½-inch less than the values specified for main bars but shall not
39 be less than 1-inch.

40
41
42 **6-02.3(24)F Mechanical Splices**

43 Items 1, 2, and 3 in the fourth paragraph are revised to read:

- 44
45 1. Mechanical splices shall develop at least 125 percent of the specified yield strength of the
46 unspliced bar. The ultimate tensile strength of the mechanical splice shall exceed that of the
47 unspliced bar.

- 1 2. The total slip of the bar within the spliced sleeve of the connector after loading in tension to
2 30.0 ksi and relaxing to 3.0 ksi shall not exceed the following measured displacements
3 between gage points clear of the splice sleeve:
4
5 a. 0.01 inches for bar sizes up to No. 14.
6
7 b. 0.03 inches for No. 18 bars.
8
9 3. The maximum allowable bar size for mechanical laps splices shall be No. 6.

10
11 **6-02.3(25) Prestressed Concrete Girders**

12 Under the heading "**Prestressed Concrete Wide Flange I Girder**" the last sentence is revised to
13 read:

14
15 WSDOT standard girders in this category include Series WF36G, WF42G, WF50G, WF58G,
16 WF66G, WF74G, WF83G, WF95G and WF100G.

17
18 Under the heading "**Spliced Prestressed Concrete Girder**" the last sentence is revised to read:

19
20 WSDOT standard girders in this category include Series WF74PTG, WF83PTG, WF95PTG and
21 WF100PTG.

22
23 **6-02.3(25)L Handling and Storage**

24 In the third sentence of the second paragraph, the reference to "1-foot-9-inches" is revised to read "3-
25 foot-0-inches".
26

27 **6-02.3(25)N Prestressed Concrete Girder Erection**

28 The seventh paragraph is supplemented with the following:

29
30 The aspect ratio (height/width) of oak block wedges at the girder centerline shall not exceed 1.0.
31

32 **6-02.3(26)E Ducts**

33 Beneath the heading "**Ducts for Internal Embedded Installation**" the second sentence in the second
34 paragraph is revised to read:

35
36 Polypropylene ducts shall conform to ASTM D 4101 with a cell classification range of
37 PP0340B14541 to PP0340B67884.
38

39 **6-02.3(28)F Tolerances**

40 The reference to "PCI-MNL-166" is revised to read "PCI-MNL-116".
41

42 03.AP6

43 **SECTION 6-03, STEEL STRUCTURES**

44 **April 5, 2010**

45 **6-03.3(25) Repair Welding**

46 In the first paragraph "2002" is revised to read "2008".

1
2 **6-03.3(25)A Welding Inspection**

3 In the first paragraph "2002" is revised to read "2008".

4
5 In the paragraph below the heading "**Radiographic Inspection**" "2002 Structural" is revised to read
6 "2008 Bridge".

7
8 **6-03.3(29) Vacant**

9 This section including title is revised to read:

10
11 **Welded Shear Connectors**

12 All welded shear connectors on steel girder top flanges shall be installed in the field after the
13 forms for the concrete bridge deck are in place. The steel surface to be welded shall be prepared
14 to SSPC-SP 11, power tool cleaning, just prior to welding. Installation, production control, and
15 inspection of welded shear connectors shall conform to Chapter 7 of the AASHTO/AWS
16 D1.5M/D1.5:2008 Bridge Welding Code. After the welded shear connectors are installed, the weld
17 and the disturbed steel surface shall be cleaned and painted in accordance with Section 6-
18 07.3(9)l.
19

20 07.AP6

21 **SECTION 6-07, PAINTING**

22 **April 5, 2010**

23 **6-07.3(9)G Application of Shop Primer Coat**

24 In the second paragraph, the second, third, and fourth sentences are deleted.

25
26 **6-07.3(9)l Application of Field Coatings**

27 The following new paragraph is inserted preceding the first paragraph:

28
29 Prior to applying field coatings, the Contractor shall field install welded shear connectors on the
30 steel girder top flanges in accordance with Section 6-03.3(29) and as shown in the Plans. After
31 installation of the welded shear connectors, the weld and the disturbed surface of the steel girder
32 top flange shall be cleaned in accordance with SSPC-SP 11 and primed.
33

34 **6-07.3(10)H Paint System**

35 In the first sentence of the first paragraph "new steel" is revised to read "existing steel".
36

37 09.AP6

38 **SECTION 6-09, MODIFIED CONCRETE OVERLAYS**

39 **January 4, 2010**

40 **6-09.3(6) Further Deck Preparation**

41 In the second paragraph, item number 3. and 4. are revised to read:

- 42
43 3. Existing non-concrete patches as authorized by the Engineer.
44

- 1 4. Additionally, for concrete surfaces scarified by rotomilling only, exposure of reinforcing steel
2 to a depth of one-half of the periphery of a bar for a distance of 12-inches or more along the
3 bar.
4

5 **6-09.3(6)B Deck Repair Preparation**

6 In the first paragraph, the second sentence is revised to read:

7
8 For concrete surfaces scarified by rotomilling, concrete shall be removed to provide a 3/4-inch
9 minimum clearance around the top mat of steel reinforcing bars only where unsound concrete
10 exists around the top mat of steel reinforcing bars, or if the bond between concrete and the top
11 mat of steel is broken.
12

13 10.AP6

14 **SECTION 6-10, CONCRETE BARRIER**
15 **January 4, 2010**

16 **6-10.3(1) Precast Concrete Barrier**

17 In the 12th paragraph, the first sentence is revised to read:

18
19 Only 1 section less than 20-feet long for single slope barrier and 10-feet long for all other barriers
20 may be used in any single run of precast barrier, and it must be at least 8-feet long.
21

22 **6-10.3(6) Placing Concrete Barrier**

23 The first paragraph is revised to read:

24
25 Precast concrete barrier Type 2, 3, 4 and transitions shall rest on a paved foundation shaped to a
26 uniform grade and section. The foundation surface for precast concrete barrier Type 2, 3, 4 and
27 transitions shall meet this test for uniformity:
28

29 When a 10-foot straightedge is placed on the surface parallel to the centerline for the barrier,
30 the surface shall not vary more than 1/4-inch from the lower edge of the straightedge. If
31 deviations exceed 1/4-inch, the Contractor shall correct them as required in Section 5-
32 04.3(13).
33

34 In the second paragraph, the first sentence is revised to read:

35
36 The Contractor shall align the joints of all precast barrier segments so that they offset no more
37 than 1/4-inch transversely and no more than 3/4-inch vertically.
38

39 12.AP6

40 **SECTION 6-12, NOISE BARRIER WALLS**
41 **April 5, 2010**

42 **6-12.3(6) Precast Concrete Panel Fabrication and Erection**

43 The second sentence of the first paragraph in Item 3 is revised to read:

44
45 The Contractor shall cast the precast concrete panels horizontally.
46

1 17.AP6

2 **SECTION 6-17, PERMANENT GROUND ANCHORS**
3 **January 4, 2010**

4 **6-17.3(7) Installing Permanent Ground Anchors**

5 In the third paragraph, the first sentence is revised to read:

6

7 The tendon shall be inserted into the drill hole to the desired depth prior to grouting.

8

9 In the third paragraph, the following sentence is inserted after the first sentence:

10

11 Wet setting of permanent ground anchors will not be allowed.

12

13 02.AP7

14 **SECTION 7-02, CULVERTS**
15 **January 4, 2010**

16 **7-02.2 Materials**

17 In the first paragraph, the following two items are inserted after the item "Corrugated Polyethylene
18 Culvert Pipe 9-05.19":

19

20 Steel Rib Reinforced Polyethylene Culvert Pipe 9-05.21

21 High Density Polyethylene (HDPE) Pipe 9-05.23

22

23 **7-02.5 Payment**

24 This section is supplemented with the following:

25

26 "Steel Rib Reinforced Polyethylene Culvert Pipe ____ In. Diam.", per linear foot.

27 "High Density Polyethylene (HDPE) Pipe ____ In. Diam.", per linear foot.

28

29 04.AP7

30 **SECTION 7-04, STORM SEWERS**
31 **January 4, 2010**

32 **7-04.2 Materials**

33 In the first paragraph, the following two items are inserted after the item "Corrugated Polyethylene
34 Storm Sewer Pipe 9-05.20":

35

36 Steel Rib Reinforced Polyethylene Storm Sewer Pipe 9-05.22

37 High Density Polyethylene (HDPE) Pipe 9-05.23

38

39 **7-04.5 Payment**

40 This section is supplemented with the following:

41

42 "Steel Rib Reinforced Polyethylene Storm Sewer Pipe ____ In. Diam.", per linear foot.

43 "High Density Polyethylene (HDPE) Pipe ____ In. Diam.", per linear foot.

44

1 01.AP8

2 **SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL**
3 **April 5, 2010**

4 **8-01.2 Materials**

5 In the first paragraph, the following is inserted after the first sentence:

6

7 Corrugated Polyethylene Drain Pipe 9-05.1(6)

8

9 **8-01.3(1) General**

10 In the sixth paragraph, the first sentence is revised to read:

11

12 When natural elements rut or erode the slope, the Contractor shall restore and repair the damage
13 with the eroded material where possible, and remove and dispose of any remaining material found
14 in ditches and culverts.

15

16 In the seventh paragraph the first two sentences are deleted.

17

18 The table in the seventh paragraph is revised to read:

19

20 **Western Washington (West of the Cascade Mountain crest)**

21 May 1 through September 30 17 Acres

22 October 1 through April 30 5 Acres

23

24 **Eastern Washington (East of the Cascade Mountain crest.)**

25 April 1 through October 31 17 Acres

26 November 1 through March 31 5 Acres

27

28 The eighth paragraph is revised to read:

29

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

31

32 The ninth paragraph is revised to read:

33

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

36

37 The 10th paragraph is revised to read:

38

39 Erodible earth not being worked, whether at final grade or not, shall be covered within the
40 specified time period, (see the tables below) using an approved soil covering practice.

41

42 **Western Washington (West of the Cascade Mountain crest)**

43 October 1 through April 30 2-days maximum

44 May 1 to September 30 7-days maximum

45

46

47 **Eastern Washington (East of the Cascade Mountain crest.)**

48 October 1 through June 30 5-days maximum

49 July 1 through September 30 10-days maximum

1
2 **8-01.3(1)A Submittals**

3 This section is revised to read:

4
5 When a Temporary Erosion and Sediment Control (TESC) Plan is included in the Plans, the
6 Contractor shall either adopt or modify the existing TESC Plan. If modified, the Contractor's TESC
7 Plan shall meet all requirements of Chapter 6-2 of the current edition of the WSDOT Highway
8 Runoff Manual. The Contractor shall provide a schedule for TESC Plan implementation and
9 incorporate it into the Contractor's progress schedule. The Contractor shall obtain the Engineer's
10 approval of the TESC Plan and schedule prior to the beginning of Work. The TESC Plan shall
11 cover all areas that maybe affected inside and outside the limits of the project (including all
12 Contracting Agency-provided sources, disposal sites, and haul roads, and all nearby land,
13 streams, and other bodies of water).

14
15 The Contractor shall allow at least 5-working days for the Engineer to review any original or
16 revised TESC Plan. Failure to approve all or part of any such Plan shall not make the Contracting
17 Agency liable to the Contractor for any Work delays.

18
19 **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

20 In the last paragraph, "Form Number 220-030 EF" is revised to read "WSDOT Form Number 220-030
21 EF".

22
23 **8-01.3(1)C Water Management**

24 In number 2., the reference to "Standard Specification" is revised to read "Section".

25
26 Number 3., is revised to read:

27
28 3. Offsite Water

29 Prior to disruption of the normal watercourse, the Contractor shall intercept the offsite
30 stormwater and pipe it either through or around the project site. This water shall not be
31 combined with onsite stormwater. It shall be discharged at its pre-construction outfall point in
32 such a manner that there is no increase in erosion below the site. The method for performing
33 this Work shall be submitted by the Contractor for the Engineer's approval.

34
35 **8-01.3(1)D Dispersion/Infiltration**

36 This section is revised to read:

37
38 Water shall be conveyed only to dispersion or infiltration areas designated in the TESC Plan or to
39 sites approved by the Engineer. Water shall be conveyed to designated dispersion areas at a rate
40 such that, when runoff leaves the area, and enters waters of the State, turbidity standards are
41 achieved. Water shall be conveyed to designated infiltration areas at a rate that does not produce
42 surface runoff.

43
44 **8-01.3(2)B Seeding and Fertilizing**

45 The fourth paragraph is revised to read:

46
47 The seed applied using a hydroseeder shall have a tracer added to visibly aid uniform application.
48 This tracer shall not be harmful to plant, aquatic or animal life. If cellulose fiber mulch or wood
49 fiber mulch is used as a tracer, the application rate shall not exceed 250-pounds per acre.

50
51 In the fifth paragraph, "hydro seeder" is revised to read "hydroseeder".

1
2 **8-01.3(2)D Mulching**

3 In the second paragraph, the second sentence is revised to read:

4
5 Wood strand mulch shall be applied by hand or by straw blower on seeded areas.

6
7 In the third paragraph, "1" is revised to read "a single" and "hydro seeder" is revised to read
8 "hydroseeder".

9
10 In the fourth paragraph, "MBFM" is revised to read "MBFM/FRM".

11
12 **8-01.3(2)E Tacking Agent and Soil Binders**

13 The following new paragraph is inserted at the beginning of this Section:

14
15 Tacking agent or soil binders applied using a hydroseeder shall have a mulch tracer added to
16 visibly aid uniform application. This tracer shall not be harmful to plant, aquatic or animal life.
17 If cellulose fiber mulch or wood fiber mulch is used as a tracer, the application rate shall not
18 exceed 250-pounds per acre.

19
20 The paragraph "Soil Binding Using Bonded Fiber Matrix (BFM)" is supplemented with the following:

21
22 The BFM may require a 24 to 48 hour curing period to achieve maximum performance and shall
23 not be applied when precipitation is predicted within 24 to 48 hours, or on saturated soils, as
24 determined by the Engineer.

25
26 The last paragraph including title is revised to read:

27
28 **Soil Binding Using Mechanically-Bonded Fiber Matrix (MBFM) or Fiber Reinforced Matrix
29 (FRM)**

30 The MBFM/FRM shall be hydraulically applied in accordance with the manufacturer's installation
31 instructions and recommendations.

32
33 **8-01.3(2)F Dates for Application of Final Seed, Fertilizer, and Mulch**

34 The first paragraph is revised to read:

35
36 Unless otherwise approved by the Engineer, the final application of seeding, fertilizing, and
37 mulching of slopes shall be performed during the following periods:

38
39

<u>Western Washington</u>¹	<u>Eastern Washington</u>
(West of the Cascade Mountain crest)	(East of the Cascade Mountain crest)
March 1 through May 15	October 1 through November 15 only
September 1 through October 1	

40
41
42
43
44 ¹Where Contract timing is appropriate, seeding, fertilizing, and mulching shall be accomplished
45 during the fall period listed above. Written permission to seed after October 1 will only be given
46 when Physical Completion of the project is imminent and the environmental conditions are
47 conducive to satisfactory growth.

1 **8-01.3(2)G Protection and Care of Seeded Areas**

2 The first paragraph is revised to read:

3
4 The Contractor shall be responsible to ensure a healthy stand of grass. The Contractor shall
5 restore eroded areas, clean up and properly dispose of eroded materials, and reapply the seed,
6 fertilizer, and mulch, at no additional cost to the Contracting Agency.
7

8 In the second paragraph, number 1. is revised to read:

- 9
10 1. At the Contractor's expense, seed, fertilizer and mulch shall be reapplied in areas that have
11 been damaged through any cause prior to final inspection, and reapplied to areas that have
12 failed to receive a uniform application at the specified rate.
13

14 **8-01.3(2)H Inspection**

15 The first sentence is revised to read:

16
17 Inspection of seeded areas will be made upon completion of seeding, temporary seeding,
18 fertilizing, and mulching.
19

20 The third sentence is revised to read:

21
22 Areas that have not received a uniform application of seed, fertilizer, or mulch at the specified
23 rate, as determined by the Engineer, shall be reseeded, refertilized, or remulched at the
24 Contractor's expense prior to payment.
25

26 **8-01.3(2)I Mowing**

27 In the first paragraph, the last sentence is revised to read:

28
29 Trimming around traffic facilities, Structures, planting areas, or other features extending above
30 ground shall be accomplished preceding or simultaneously with each mowing.
31

32 **8-01.3(3) Placing Erosion Control Blanket**

33 In the first sentence, "Standard" is deleted.

34
35 The second sentence is revised to read:

36
37 Temporary erosion control blankets, having an open area of 60-percent or greater, may be
38 installed prior to seeding.
39

40 **8-01.3(4) Placing Compost Blanket**

41 In the first paragraph, "before" is revised to read "prior to".

42
43 The last sentence is revised to read:

44
45 Compost shall be Coarse Compost.
46

47 **8-01.3(5) Placing Plastic Covering**

48 The first sentence is revised to read:

49
50 Plastic shall be placed with at least a 12-inch overlap of all seams.

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8-01.3(6)A Geotextile-Encased Check Dam

The first paragraph is deleted.

8-01.3(6)B Rock Check Dam

This section including title is revised to read:

8-01.3(6)B Quarry Spall Check Dam

The rock used to construct rock check dams shall meet the requirements for quarry spalls.

8-01.3(6)D Wattle Check Dam

This section is revised to read:

Wattle check dams shall be installed in accordance with the Plans.

8-01.3(6)E Coir Log

This section is revised to read:

Coir logs shall be installed in accordance with the Plans.

8-01.3(9)A Silt Fence

In the second paragraph, the second sentence is revised to read:

The strength of the wire or plastic mesh shall be equivalent to or greater than what is required in Section 9-33.2(1), Table 6 for unsupported geotextile (i.e., 180 lbs. grab tensile strength in the machine direction).

8-01.3(9)B Gravel Filter, Wood Chip or Compost Berm

In the second paragraph, the last sentence is deleted.

The third paragraph is revised to read:

The Compost Berm shall be constructed in accordance with the detail in the Plans. Compost shall be Coarse Compost.

8-01.3(9)C Straw Bale Barrier

This section is revised to read:

Straw Bale Barriers shall be installed in accordance with the Plans.

8-01.3(9)D Inlet Protection

This section is revised to read:

Inlet protection shall be installed below or above, or as a prefabricated cover at each inlet grate, as shown in the Plans. Inlet protection devices shall be installed prior to beginning clearing, grubbing, or earthwork activities.

Geotextile fabric in all prefabricated inlet protection devices shall meet or exceed the requirements of Section 9-33.2, Table 1 for Moderate Survivability, and the minimum filtration properties of Table 2.

1
2 When the depth of accumulated sediment and debris reaches approximately ½ the height of an
3 internal device or ¼ the height of the external device (or less when so specified by the
4 manufacturers) or as designated by the Engineer, the deposits shall be removed and stabilized on
5 site in accordance with Section 8-01.3(16).
6

7 **8-01.3(10) Wattles**

8 In the first paragraph, the third sentence is revised to read:

9
10 Excavated material shall be spread evenly along the uphill slope and be compacted using hand
11 tamping or other method approved by the Engineer.
12

13 This section is supplemented with the following new paragraph:

14
15 The Contractor shall exercise care when installing wattles to ensure that the method of installation
16 minimizes disturbance of waterways and prevents sediment or pollutant discharge into
17 waterbodies.
18

19 **8-01.3(12) Compost Sock**

20 In the first paragraph, "sock" is revised to read "socks" and "streambed" is revised to read
21 "waterbodies".
22

23 In the second paragraph "bank" is revised to read "slope".

24
25 In the third paragraph "and" is revised to read "or".

26
27 This section is supplemented with the following new paragraph:

28
29 Compost for Compost Socks shall be Coarse Compost.
30

31 **8-01.3(14) Temporary Pipe Slope Drain**

32 The first paragraph is revised to read:

33
34 Temporary pipe slope drain shall be Corrugated Polyethylene Drain Pipe and shall be constructed
35 in accordance with the Plans
36

37 The last paragraph is revised to read:

38
39 Placement of outflow of the pipe shall not pond water on road surface.
40

41 **8-01.3(15) Maintenance**

42 In the fourth paragraph, the last sentence is revised to read:

43
44 Clean sediments may be stabilized on site using approved BMPs as approved by the Engineer.
45

46 **8-01.3(16) Removal**

47 In the second paragraph, the last sentence is revised to read:

48
49 This may include, but is not limited to, ripping the soil, incorporating soil amendments, and
50 seeding with the specified seed.
51

1 **8-01.4 Measurement**

2 The eighth paragraph is revised to read:

3
4 Silt fence, gravel filter, compost berms, and wood chip berms will be measured by the linear foot
5 along the ground line of completed barrier.

6
7 **8-01.5 Payment**

8 The following bid items are relocated after the bid item "Check Dam":

9
10 "Inlet Protection", per each.

11
12 "Gravel Filter Berm", per linear foot.

13
14 The following new paragraph is inserted before the bid item "Stabilized Construction Entrance":

15
16 The unit Contract price per linear foot for "Check Dam" and "Gravel Filter Berm" and per each for
17 "Inlet Protection" shall be full pay for all equipment, labor and materials to perform the Work as
18 specified, including installation, removal and disposal at an approved disposal site.

19
20 The paragraph after the bid item "Temporary Curb" is revised to read:

21
22 The unit Contract price per linear foot for temporary curb shall include all costs to install, maintain,
23 remove, and dispose of the temporary curb.

24
25 The bid item "Mulching with MBFM" is revised to read "Mulching with MBFM/FRM".

26
27 02.AP8

28 **SECTION 8-02, ROADSIDE RESTORATION**

29 **January 4, 2010**

30 **8-02.3(2) Roadside Work Plan**

31 In the first paragraph, the second sentence is revised to read:

32
33 The roadside work plan shall define the Work necessary to provide all Contract requirements,
34 including: wetland excavation, soil preparation, habitat, Structure placement, planting area
35 preparation, seeding area preparation, bark mulch and compost placement, seeding, planting,
36 plant replacement, irrigation, and weed control in narrative form.

37
38 The first sentence under "**Progress Schedule**" is revised to read:

39
40 A progress schedule shall be submitted in accordance with Section 1-08.3. The Progress
41 Schedule shall include the planned time periods for Work necessary to provide all Contract
42 requirements in accordance with Sections 8-01, 8-02, and 8-03.

43
44 The first sentence under "**Weed and Pest Control Plan**" is revised to read:

45
46 The Weed and Pest Control Plan shall be submitted and approved prior to starting any Work
47 defined in Sections 8-01, and 8-02.

1 In the third paragraph under "**Weed and Pest Control Plan**" the first and second sentences are
2 revised to read:

3
4 The plan shall be prepared and signed by a licensed Commercial Pest Control Operator or
5 Consultant when chemical pesticides are proposed. The plan shall include methods of weed
6 control; dates of weed control operations; and the name, application rate, and Material Safety
7 Data Sheets of all proposed herbicides.

8
9 The last paragraph under "**Plant Establishment Plan**" is deleted.

10
11 **8-02.3(2)A Chemical Pesticides**

12 This section is deleted.

13
14 **8-02.3(2)B Weed and Pest Control**

15 This section is deleted.

16
17 **8-02.3(3) Planting Area Weed Control**

18 This section including title is revised to read:

19
20 **8-02.3(3) Weed and Pest Control**

21 The Contractor shall control weed and pest species within the project area using integrated pest
22 management principles consisting of mechanical, biological and chemical controls that are
23 outlined in the Weed and Pest Control Plan or as designated by the Engineer.

24
25 Those weeds specified as noxious by the Washington State Department of Agriculture, the local
26 Weed District, or the County Noxious Weed Control Board and other species identified by the
27 Contracting Agency shall be controlled on the project in accordance with the weed and pest
28 control plan.

29
30 The Contractor shall control weeds not otherwise covered in accordance with Section 8-02.3(3)A,
31 **Planting Area Weed Control** in all areas within the project limits, including erosion control
32 seeding area and vegetation preservation areas, as designated by the Engineer.

33
34 This section is supplemented with the following new sub-sections:

35
36 **8-02.3(3)A Planting Area Weed Control**

37 All planting areas shall be prepared so that they are weed and debris free at the time of planting
38 and until completion of the project. The planting areas shall include the entire ground surface,
39 regardless of cover, all planting beds, areas around plants, and those areas shown in the Plans.

40
41 All applications of post-emergent herbicides shall be made while green and growing tissue is
42 present. Should unwanted vegetation reach the seed stage, in violation of these Specifications,
43 the Contractor shall physically remove and bag the seed heads. All physically removed vegetation
44 and seed heads shall be disposed of off site at no cost to the Contracting Agency.

45
46 Weed barrier mats shall be installed as shown in the Plans. Mats shall be 3-foot square and shall
47 be secured by a minimum of 5-staples per mat. Mats and staples shall be installed according to
48 the manufacturer's recommendations.

1 **8-02.3(3)B Chemical Pesticides**

2 Application of chemical pesticides shall be in accordance with the label recommendations, the
3 Washington State Department of Ecology, local sensitive area ordinances, and Washington State
4 Department of Agriculture laws and regulations. Only those herbicides listed in the table
5 *Herbicides Approved for Use on WSDOT Rights of Way* at
6 http://www.wsdot.wa.gov/Maintenance/Roadside/herbicide_use.htm may be used.

7
8 The applicator shall be licensed by the State of Washington as a Commercial Applicator or
9 Commercial Operator with additional endorsements as required by the Special Provisions or the
10 proposed weed control plan. The Contractor shall furnish the Engineer evidence that all operators
11 are licensed with appropriate endorsements, and that the pesticide used is registered for use by
12 the Washington State Department of Agriculture. All chemicals shall be delivered to the job site in
13 the original containers. The licensed applicator or operator shall complete a Commercial Pesticide
14 Application Record (DOT Form 540-509) each day the pesticide is applied, and furnish a copy to
15 the Engineer by the following business day.

16
17 The Contractor shall ensure confinement of the chemicals within the areas designated. The use of
18 spray chemical pesticides shall require the use of anti-drift and activating agents, and a spray
19 pattern indicator unless otherwise allowed by the Engineer.

20
21 The Contractor shall assume all responsibility for rendering any area unsatisfactory for planting by
22 reason of chemical application. Damage to adjacent areas, either on or off the Highway Right of
23 Way, shall be repaired to the satisfaction of the Engineer or the property owner, and the cost of
24 such repair shall be borne by the Contractor.

25
26 **8-02.3(5) Planting Area Preparation**

27 In the first paragraph, the second sentence is revised to read:

28
29 Material displaced by the Contractor's operations that interferes with drainage shall be removed
30 from the channel and disposed of as approved by the Engineer.

31
32 **8-02.3(7) Layout of Planting**

33 The second paragraph is deleted.

34
35 **8-02.3(8) Planting**

36 In the second paragraph, the first and second sentences are revised to read:

37
38 Under no circumstances will planting be permitted during unsuitable soil or weather conditions as
39 determined by the Engineer. Unsuitable conditions may include frozen soil, freezing weather,
40 saturated soil, standing water, high winds, heavy rains, and high water levels.

41
42 The fourth paragraph is revised to read:

43
44 Plants shall not be placed below the finished grade.

45
46 The fifth paragraph is revised to read:

47
48 Planting hole sizes for plant material shall be in accordance with the details shown in the Plans.
49 Any glazed surface of the planting hole shall be roughened prior to planting.

50
51 The following new paragraph is inserted after the fifth paragraph:

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1
2 All cuttings shall be planted immediately if buds begin to swell.
3

4 **8-02.3(9) Pruning, Staking, Guying, and Wrapping**

5 In the first paragraph, the last sentence is revised to read:
6

7 All other pruning shall be performed only after the plants have been in the ground at least one
8 year and when plants are dormant.
9

10 **8-02.3(13) Plant Establishment**

11 In the third paragraph, the first sentence is revised to read:
12

13 During the first-year plant establishment period, the Contractor shall perform all Work necessary
14 to ensure the resumption and continued growth of the transplanted material.
15

16 In the fourth paragraph, "propose" is revised to read "submit".
17

18 **8-02.3(15) Live Fascines**

19 In the first paragraph, the fourth sentence is revised to read:
20

21 Dead branches may be placed within the live fascine and on the side exposed to the air.
22

23 In the second paragraph, the third sentence is deleted.
24

25 In the second paragraph, the seventh sentence is revised to read:
26

27 The live stakes shall be driven through the live fascine vertically into the slope.
28

29 **8-02.3(16)A Lawn Installation**

30 In the third paragraph, the last two items "West of the summit of the Cascade Range - March 1 to
31 October 1." and "East of the summit of the Cascade Range - April 15 to October 1." are revised to
32 read:

33		
34	Western Washington	Eastern Washington
35	(West of the Cascade Mountain crest)	(East of the Cascade Mountain crest)
36	March through May 15	October 1 through November 15
37	September 1 through October 1	
38		

39 The fifth paragraph is revised to read:
40

41 Topsoil for seeded or sodded lawns shall be placed at the depth and locations as shown in the
42 Plans. The topsoil shall be cultivated to the specified depth, raked to a smooth even grade
43 without low areas that trap water and compacted, all as approved by the Engineer.
44

45 In the sixth paragraph, the last sentence is revised to read:
46

47 Following placement, the sod shall be rolled with a smooth roller to establish contact with the soil.
48

49 **8-02.4 Measurement**

50 The seventh paragraph is revised to read:
51

1 Fine compost, medium compost and coarse compost will be measured by the cubic yard in the
2 haul conveyance at the point of delivery.

3 4 **8-02.5 Payment**

5 The following new paragraph is inserted above the paragraph beginning with "Payment shall be
6 increased to 90-percent.....":

7
8 Plant establishment milestones are achieved when plants meet conditions described in Section 8-
9 02.3(13).

10
11 The following is inserted after the bid item "Fine Compost":

12
13 "Medium Compost", per cubic yard.

14
15 The paragraph for the bid item "Weed Control" is revised to read:

16
17 "Weed and Pest Control", will be paid in accordance with Section 1-09.6.

18
19 The following new paragraph is inserted after the bid item "Soil Amendment":

20
21 The unit Contract price per cubic yard for "Soil Amendment" shall be full pay for furnishing and
22 incorporating the soil amendment into the existing soil.

23
24 The following new paragraph is inserted after the bid item "Bark or Wood Chip Mulch":

25
26 The unit Contract price per cubic yard for "Bark or Wood Chip Mulch" shall be full pay for
27 furnishing and spreading the mulch onto the existing soil.

28
29 03.AP8

30 **SECTION 8-03, IRRIGATION SYSTEMS** 31 **January 4, 2010**

32 **8-03.1 Description**

33 In this section, "staked" is revised to read "approved by the Engineer."

34 35 **8-03.3 Construction Requirements**

36 The second paragraph is revised to read:

37
38 Potable water supplies shall be protected against cross connections in accordance with applicable
39 Washington State Department of Health rules and regulations and approval by the local health
40 authority.

41 42 **8-03.3(1) Layout of Irrigation System**

43 This section is revised to read:

44
45 The Contractor shall stake the irrigation system following the schematic design shown in the
46 Plans. Approval must be obtained from the Engineer. Alterations and changes in the layout may
47 be expected in order to conform to ground conditions and to obtain full and adequate coverage of
48 plant material with water. However, no changes in the system as planned shall be made without
49 prior authorization by the Engineer.

1
2 This section is supplemented with the following new sub-section:
3

4 **8-03.3(1)A Locating Irrigation Sleeves**

5 Existing underground irrigation sleeve ends shall be located by potholing. Irrigation sleeves placed
6 during general construction prior to installation of the irrigation system shall be marked at both
7 ends with a 2x4x24-inch wood stake extending 6-inches out of the soil and painted blue on the
8 exposed end.
9

10 **8-03.3(2) Excavation**

11 In the first paragraph, the fourth sentence is revised to read:

12
13 Trenches through rock or other material unsuitable for trench bottoms and sides shall be
14 excavated 6-inches below the required depth and shall be backfilled to the top of the pipe with
15 sand or other suitable material free from rocks or stones. Backfill material shall not contain rocks
16 2-inches or greater in diameter or other materials that can damage pipe.
17

18 The second paragraph is revised to read:

19
20 The Contractor shall exercise care when excavating pipe trenches near existing trees to minimize
21 damage to tree roots. Where roots are 1-1/2-inches or greater in diameter, the trench shall be
22 hand excavated and tunneled under the roots. When large roots are exposed, they shall be
23 wrapped with heavy, moist material, such as burlap or canvas, for protection and to prevent
24 excessive drying. The material must be kept moist until the trench is backfilled. Trenches dug by
25 machines adjacent to trees having roots less than 1-1/2-inches in diameter shall have severed
26 roots cleanly cut. Trenches having exposed tree roots shall be backfilled within 24-hours unless
27 adequately protected by moist material as approved by the Engineer. All material and fastenings
28 used to cover the roots shall be removed before backfilling.
29

30 The third paragraph is revised to read:

31
32 Detectable marking tape shall be placed in all trenches 6-inches directly above, parallel to, and
33 along the entire length of all nonmetallic water pipes, and all nonmetallic and aluminum sleeves,
34 conduits and casing pipe. The width of the tape and installation depth shall be as recommended
35 by the manufacturer for the depth of installation or as shown in the Plans.
36

37 **8-03.3(3) Piping**

38 This section is revised to read:

39
40 All water lines shall be a minimum of 18-inches below finished grade measured from the top of the
41 pipe or as shown in the Plans. All live water mains to be constructed under existing pavement
42 shall be placed in steel casing jacked under pavement as shown in the Plans. All PVC or
43 polyethylene pipe installed under areas to be paved shall be placed in irrigation sleeves. Irrigation
44 sleeves shall extend a minimum of 2-feet beyond the limits of pavement. All jacking operations
45 shall be performed in accordance with an approved jacking plan. Where possible; mains and
46 laterals or section piping shall be placed in the same trench. All lines shall be placed a minimum of
47 3-feet from the edge of concrete sidewalks, curbs, guardrail, walls, fences, or traffic barriers. Pipe
48 pulling will not be allowed for installation and placement of irrigation pipe.
49

50 Mainlines and lateral lines shall be defined as follows:
51

1 **Mainlines:** All supply pipe and fittings between the water meter and the irrigation control
2 valves.

3
4 **Lateral Lines:** All supply pipe and fittings between the irrigation control valves and the
5 connections to the irrigation heads. Swing joints, thick walled PVC or polyethylene pipe,
6 flexible risers, rigid pipe risers, and associated fittings are not considered part of the lateral
7 line but incidental components of the irrigation heads.

8-03.3(4) Jointing

9
10 In the second paragraph, the third sentence is revised to read:

11
12 Threaded galvanized steel joints shall be constructed using either a nonhardening, nonseizing
13 multipurpose sealant or Teflon tape or paste as recommended by the pipe manufacturer, or as
14 shown in the Plans.

15
16 In the last sentence of the second paragraph, "will" is revised to read "shall".

17
18 In the fourth sentence of the third paragraph, "will" is revised to read "shall" and "at" is revised to read
19 "of".

20
21 In the fifth paragraph, the first sentence is revised to read:

22
23 On PVC or polyethylene-to-metal connections, work the metal connection first.

24
25 In the fifth paragraph, the third sentence is revised to read:

26
27 Connections between metal and PVC or polyethylene are to be threaded utilizing female threaded
28 PVC adapters with threaded schedule 80-PVC nipple only.

29
30 In the sixth paragraph, the second sentence is revised to read:

31
32 The ends of the polyethylene pipe shall be cut square, reamed smooth inside and out, and
33 inserted to the full depth of the fitting.

8-03.3(5) Installation

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

36
37 All automatic control valves, flow control valves, and pressure reducing valves shall be installed in
38 appropriate sized valve boxes. Manual control valves shall be installed in an appropriate sized
39 valve box and where appropriate, upstream of the automatic control valves. Manual and automatic
40 valves installed together shall be in an appropriate sized box with 3-inches of clearance on all
41 sides.

42
43 The fourth paragraph is revised to read:

44
45 Final position of valve boxes, capped sleeves, and quick coupler valves shall be between ½-inch
46 and 1-inch above finished grade or mulch, or as shown in the Plans.

47
48 The following new paragraph is inserted after the fourth paragraph: