

New Amendments to the 2010 Standard Specifications Effective April 5, 2010

Please note: New Amendments to the Standard Specifications are described below. Previous Amendments that are not revised in this package are still in effect. Amendments to the Standard Specifications take precedence over the Standard Specifications in accordance with Section 1-04.2.

The following is a brief description of the latest revisions, with an explanation of why each change was made. The actual provisions should be reviewed in depth to become completely knowledgeable of the full extent of the revisions. These amendments are available at the following location:

<http://www.wsdot.wa.gov/Design/ProjectDev/Specifications>

DIVISION 1 – GENERAL REQUIREMENTS

Section 1-06.2(2)A, General

This amendment removes duplicate information along with unnecessary information in Table 2.

Section 1-07.13(4), Repair of Damage

The amendment is a clarification for payment of repairs to temporary impact attenuators when damaged by a third party.

Section 1-08.1, Subcontracting

The amendment requires quarterly reporting of amounts paid to MBE/WBE Participants versus the annual reporting currently in the Specification. The justification for this changes was DBE Reporting is done on a quarterly basis so adhering to quarterly reporting of the MBE/WBE should not put much of a work load on the Project Engineer's Office (PEO), and may even be advantages to work load in that all reporting whether DBE/MBE or WBE is now done quarterly. Quarterly reporting also allows both Headquarters and the PEO to know sooner if their our problems occurring in funding being paid, so that actions can be taken sooner, avoiding corrections later that may have compounded over time, and take longer to correct.

Section 1-08.5, Time for Completion

This amendment corrects an error in the second to last sentence of the first paragraph by inserting back a sentence that shouldn't have been removed in the printing of the 2010 Book.

Section 1-10.3(3)A, Construction Signs

This amendment better defines how far above the roadway the height of the ballast can be for stabilizing signs.

DIVISION 2 - EARTHWORK

Section 2-01.3(2), Grubbing

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This amendment changes a numeric reference concerning stumps in grubbing operations of embankments.

DIVISION 5 - SURFACE TREATMENTS AND PAVEMENTS

Sections: 5-04.3(8)A1, General, 5-04.3(10)B1, General and 5-04.3(8)A4, Definition of Sampling Lot and Sublot

These amendments were done to clarify the following:

A new mix design will require a new Lot for both compaction and mixture. Statistical/nonstatistical is based on tons for class of mix and PG grade (the PG grade is a change).

Sections: 5-05.3(4)A, Acceptance of Portland Cement Concrete Pavement, 5-05.3(16), Protection of Pavement, and 5-05.3(17), Opening to Traffic

These amendments update test procedures with the current names that the Materials Manual is requiring.

Section 5-05.3(12), Surface Smoothness

The amendment exempts the use of the California Profilograph on tight curves. This has been an issue in the past that has been dealt with through change order. The California Standard Specifications exempt out tight radius curves. We are proposing the same with this amendment.

DIVISION 6 -STRUCTURES

Section 6-02.3(6), Placing Concrete

This amendment was proposed by the AGC Structural team. Project Inspectors have not allowed placement of concrete between adjoining layers when the time between the layers exceeded 30-minutes. We are now allowing exceptions to the 30-minutes rule when the contractor can justify it by a submittal which can include retarders to the mix, or when temperatures are low enough to prevent plastic setting within 30-minutes to the Engineer.

Section 6-02.3(11), Curing Concrete

This amendment corrects a problem with curing compound used on asphalt overlays of bridge decks. The current specification has no restriction to using a Class A or Class B curing compound. Class B is a resin based compound which we want. We don't want a waxed base curing compound due to concerns with bonding of the asphalt.

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

Adds the word '*Section*' to precede the reference of 9-20.3(4).

Section 6-02.3(24)F, Mechanical Splices

The amendment updates the mechanical splice criteria, which dates from 1988, to current criteria.

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Section 6-02.3(26)E, Ducts

The amendment to Section 6-02.3(26)E updates the section to specify a range for the polyethylene pipe specifications rather than either or, which is the current language. The updates will bring our Specification up to the current AASHTO Construction Manual code standards. The error in our existing specification was identified while working on a bridge project. It was noticed that the specifications call for a cell classification of either PP0340B14541 or PP0340B67884. In looking at the AASHTO construction specification it appears that this should be a range instead of a choice of one or the other. In reviewing the ASTM, the classification tells what table values to use in testing certain properties, and in reviewing the table it seems logical that this should be a range instead of an either/or choice.

Sections: 6-03.3(25), Welding and Repair Welding and 6-03.3(25)A, Welding Inspection

The Bridge and Structures Office reviewed the AASHTO/AWS D1.5M/D1.5:2008 Bridge Welding Code, and recommended these two Sections be amended. The amendments correct one reference in Section 6-03.3(25) and two references in Section 6-03.3(25)A.

Section 6-03.3(29), Vacant

This amendment brings the Standard Specifications into conformance with OSHA prohibition of shop installation of welded shear connectors, by incorporating new specification into the current Vacant Section 6-03.3(29). This changes also creates revisions to Section 6-07.3(9)G and 6-07.3(9)I, which are done as part of this update.

Sections; 6-07.3(9)G, Application of Shop Primer Coat and 6-07.3(9)I, Application of Field Coatings

These amendment brings the Standard Specifications into conformance with OSHA prohibition of shop installation of welded shear connectors that Amendment 6-03.3(29), in this update, creates.

Section 6-07.3(10)H, Paint System

This amendment corrects a typographical error to the Section.

Section 6-12.3(6), Precast Concrete Panel Fabrication and Erection.

This amendment was done to ensure that the best architectural finish is on the traffic side of noise wall panels.

DIVISION 7 – DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

DIVISION 8 - MISCELLANEOUS CONSTRUCTION

Section 8-01.3(1), General

This amendment removes the first two sentences of the seventh paragraph of Section 8-01.3(1) that cause conflicting statements with what is stated in the rest of the paragraph.

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Section 8-08.3, Construction Requirements

This amendment corrects an error in the first sentence of the fourth paragraph in order to fix a fragmented sentence.

Sections: 8-14.3(5), Detectable Warning Surface, 8-14.4, Measurement, and 8-14.5, Payment.

These amendments allow for a detectable warning surface to be placed upon both a cement concrete surface and an asphalt pavement surface. The change removes the word “retrofit” from the title as the work is not always a retrofit, and the changes remove the words, “curb ramp” from the title as detectable surfaces are not always placed on just on curb ramps. Bid item name is changed with this amendment also.

Sections: 8-17.4, Measurement and 8-17.5, Payment

These amendments make changes to Section 8-17.4 and 8-17.5, to clarify that damage to temporary impact attenuators shall be paid for under the “Reimbursement for Third Party Damage”. These changes tie in with the change made to Section 1-07.13(4).

Sections: 8-20.1, Description, 8-20.4, Measurement and 8-20.5, Payment

These amendments reduce the length of the existing bid item name of, “**Intelligent Transportation System** _____” to now read as “**ITS** _____”. This change abbreviates “Intelligent Transportation System” to “ITS”. This would make the typical ITS bid item look like “ITS – Variable Message Sign” instead of “Intelligent Transportation System – Variable Message Sign” which was getting too long.

Section 8-20.3(5), Conduit

Changes the word ‘*conforms*’ to ‘*conforming*’ in the fourth paragraph.

Section 8-20.3(6), Junction Boxes, Cable Vaults, and Pull Boxes

This amendment removes the words, “**top course**” in Item No. 2 of the second paragraph; because other crushed surfacing materials such as base course, could be used for a base to install a cable vault or pull box.

Section 8-20.3(8)

This amendment picks up the method and means that were removed from the current Amendment to Section 9-29.12, in addition there are two circuit types added to the list of requirements for circuit labeling and a paragraph allowing expanded raceway use

DIVISION 9 - MATERIALS

Section 9-01.2(1), Portland Cement

The current Section 9-01.2(1) was based upon AASHTO M 85 having different limitations on organic and inorganic processing additions than ASTM C 150. This requirement is no longer required with AASHTO M 85 and ASTM C 150 requirements being the same. This amendment will have Portland cement meet the requirements of AASHTO M 85 and ASTM C 150 and the Portland cement will be required to meet the

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requirements spelled out in AASHTO and ASTM for inorganic and organic processing additions.

Section 9-14, Erosion Control and Roadside Planting

This amendment changes the current Section 9-14 Amendment that became effective January 4, 2010. The principle change was removing the metals testing requirements. We are going to better define a table of heavy metal limits, but are removing this information from the specification at this time due to concerns that the limits currently in place are too high. A future table will be added that meets the requirements of EPA Method 6020 Total Metals as the testing method with lower metals limits. Other minor are as follows:

- Better standards of acceptance for Straw in Section 9-14.4(10).
- Clarifying the MBFM fibers.
- Removing the Utah State Protocols for Cellulose and Wood Fiber mulches because their test it too high energy for those materials.

Section 9-23.1, Sheet materials for Curing Concrete

This amendment revises the section due to the deletion of ASSHTO M 171 which is replaced with an ASTM specification.

Section 9-23.2, Liquid Membrane-Forming Concrete Curing Compound

This amendment was needed due to the deletion of ASSHTO M 148.

Section 9-29.1(2)A, Expansion Fittings, Deflection Fittings, and Combination expansion/Deflection Fittings

The amendment addresses the issue that the standard specifications do not provide for the use of PVC expansion fittings. Currently when the Contractors install PVC conduit in the cast-in-place barrier where expansion fitting are needed only RGS expansion fittings are specified and this change will provide the specification needed to accept the PVC expansion fittings.

Section 9-29.4, Messenger Cable, Fittings

This amendment puts back the text, of this section, that inadvertently removed in the printing of the 2010 Standard Specification Book. This text should not have been removed.

Sections: 9-29.12, Electrical Splice Materials, 9-29.12(1) Illumination Circuit Splices and 9-29.12(2), Traffic Signal Spice Material

These amendments remove the method and means statements and places them in the new Amendment to Section 8-20. In addition one change allows a splice enclosure not previously allowed and is now the preferred enclosure for induction loops.

Section 9-29.15, Flashing Beacon Control

This amendment is a minor editorial change intended to more precisely define the specified flasher.

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Section 9-29.18, Vehicle Detector

This amendment is a minor editorial change intended to remove unnecessary information.

Section 9-33.4(3), Acceptance Samples

This amendment is done as a Construction Engineering Cost Savings to WSDOT in that the change requires the contractor to provide the geosynthetic roll sample in the field. The change was reviewed by the AGC Roadway Team, where the change was considered fair.