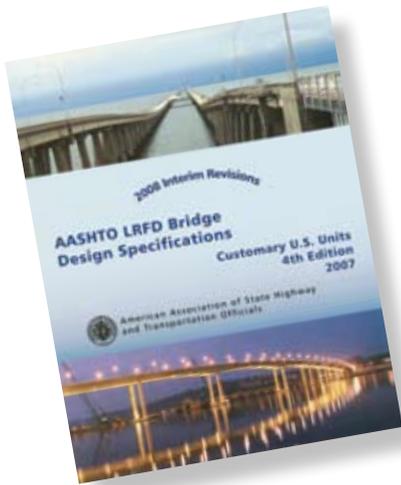


2008 Interim Changes Part 2



by Dr. Dennis R. Mertz



Agenda Item 35 is a relatively straightforward item addressing issues regarding combined shear and torsion. It corrects errors in equation numbering in Articles 5.8.6.5 and C5.8.6.5, Nominal Shear Resistance, and adds commentary on the use of Equation 5. This equation is only used to establish concrete section dimensions for sections subjected to combined shear and torsion.

Agenda Item 36 is a companion to a 2007 agenda item moved forward by Technical Committee T-5, Loads and Load Distribution, which simplified the determination of effective flange width in Article 4.6.2.6 in Section 4, Structural Analysis and Evaluation. The revision to the effective flange width determination is applicable to sections of all materials and thus is included in the general section on analysis. The revision of Article 4.6.2.6 states that in general “the effective flange width of a concrete deck slab in composite or monolithic construction may be taken as the tributary width perpendicular to the axis of the member for determining cross-section stiffnesses for analysis and for determining flexural resistances.” There are exceptions to this simplification specified in Article 4.6.2.6 including girders with large skew angles. Agenda Item 36 standardizes the definition of “*b*” in Articles 5.3, 5.7.3.1.1, and 5.7.3.2.2, by defining it as the width of the compression face of the member, or for a member with a flange in compression, effective width of the flange as specified in Article 4.6.2.6.

Agenda Item 37 clarifies Article 5.10.6.3 with regard to column ties for bundled bars. This clarification is made by modifying every reference to “bars” in the fourth paragraph of Article 5.10.6.3 to “bars or bundle.” The existing specification language was not fully clear and required interpretation as to how bundled bars should be treated. Making the requirements explicit eliminates the need for designer interpretation, and provides more consistent application of the specifications to columns with bundled bars.

The SCOBS met in Omaha during May and adopted changes for publication in 2009. These additions and revisions will be reviewed and discussed in future articles.