

EXPECTED IMPLEMENTATION JULY 2009

005 CONTROL OF THE WORK – BEAM AND GIRDER TEMPORARY BRACING. (REV 10-30-08) (FA 11-19-08) (7-09)

SUBARTICLE 5-1.4.1 (k) (of the Supplemental Specification) is deleted and the following substituted:

(k) Bracing is a temporary structural member(s) placed between beams, girders, piles columns, etc. to provide stability during construction activities.

SUBARTICLE 5-1.4.5.6 (of the Supplemental Specification) is deleted and the following substituted:

5-1.4.5.6 Beam and Girder Temporary Bracing: The Contractor is solely responsible for ensuring stability of beams and girders during all handling, storage, shipping and erection. Adequately brace beams and girders to resist wind, weight of forms and other temporary loads, especially those eccentric to the vertical axis of the products, considering actual beam geometry and support conditions during all stages of erection and deck construction. Develop the required designs following the AASHTO Guide Design Specifications for Bridge Temporary Works and Construction Handbook for Bridge Temporary Works and the Contract Documents.

For Construction Affecting Public Safety, submit signed and sealed calculations for stability for all beams and girders.

SUBARTICLE 5-1.4.5.7 (of the Supplemental Specification) is deleted and the following substituted:

5-1.4.5.7 Erection Plan: Submit, for the Engineer's review, an Erection Plan that meets the specific requirements of Sections 450, 452 and 460 and this section. Refer to Index 600 for construction activities not permitted over traffic.

SUBARTICLE 5-1.5.4 (of the Supplemental Specification) is deleted and the following substituted:

5-1.5.4 Erection: For Construction Affecting Public Safety, submit an erection plan signed and sealed by the Specialty Engineer to the Engineer at least four (4) weeks prior to erection commencing. Include as part of this submittal signed and sealed calculations and details for any falsework, bracing or other connection(s) supporting the structural elements shown in the erection plan.

At least two (2) weeks prior to beginning erection, conduct a Pre-erection meeting with the Specialty Engineer and Engineer to review details of the plan.

After erection of the elements but prior to opening of the roadway below the structure, ensure that a Specialty Engineer has personally inspected the erected member(s) and certified to the Engineer that the structure has been erected in accordance with the signed and sealed erection plan.

Perform daily inspections of the erected structural systems. For structures without temporary supports but with temporary girder bracing systems, perform inspections until

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all the diaphragms and cross frames are in place. For structures with temporary supports, perform inspections until the temporary supports are no longer needed as indicated in the erection plans. Provide written documentation of the inspections to the Engineer within 24 hours of the inspection