

growth. Camber for each girder shall be measured prior to erection.

5.8— SHEAR AND TORSION

5.8.2— General Requirements

5.8.2.7—Maximum Spacing of Transverse Reinforcement

The following shall supplement A5.8.2.7.

For all concrete girders that span existing or future traffic lanes or railroad tracks, the spacing of all transverse reinforcement, including vertical shear reinforcement, stirrups, ties, lower flange reinforcement, etc, shall not exceed 12 inches throughout the full girder length.

Stirrups in all bent caps shall comply with the following spacing requirements:

- The first stirrup shall be placed no more than 3 inches from the face of a pile, drilled shaft, column, or the edge of the cap.
- The spacing between the first stirrup and an adjacent stirrup shall not exceed 6 inches.
- The spacing between all remaining stirrups shall not exceed 12 inches.

5.8.3.4—Procedures for Determining Shear Resistance

The following shall supplement A5.8.3.4.

A5.8.3.4.1 shall be used for reinforced concrete sections.

A5.8.3.4.2 shall be used for prestressed concrete sections and reinforced concrete sections that are not covered by A5.8.3.4.1.

The same method used for the design shall also be used for the as-designed bridge rating calculations.

C5.8.2.7

The following shall supplement AC5.8.2.7.

This design requirement is intended to contain damaged concrete, following vehicle or train collisions, and to prevent spalled concrete from falling on vehicles or trains. This will also provide minimum shear strength to better facilitate temporary shoring following collisions, which may better enable a damaged structure to carry traffic until such time as the structure can be repaired.