



SOUTH CAROLINA
DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION
PO BOX 191
COLUMBIA, S.C. 29202

March 16, 1990

MEMORANDUM TO DESIGN GROUP LEADERS & CONSULTANTS

Subject: Seismic Hooks for Stirrups and Ties

The chart of seismic stirrups and ties on page 6-4 of the 1990 CRSI Manual of Standard Practice (MSP-1-90) will not be used to detail seismic hooks. All ties and stirrups shall have 135° hooks with extensions not less than the larger of ten tie diameters or 6 inches as specified in Section 8.4.1(D) of the 1983 AASHTO Guide Specifications for Seismic Design with revisions. Extensions for 135° hooks should also be indicated in the bending details.

The note on the standard note sheet regarding reinforcing fabrication has been changed to reflect the above. This change is effective immediately for all projects.

A handwritten signature in black ink, appearing to read "B. A. Meetze, Jr.", written in a cursive style.

B. A. Meetze, Jr.
Bridge Design Engineer

cc:
FHWA, Structural Engineer
R. E. LaBoone
R. L. Kneece
R. W. Rush
J. E. Martin
Group Leaders
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BAM/RLK/ddg