



South Carolina
Department of Transportation

DM0304

April 27, 2004

MEMORANDUM TO TEAM LEADERS AND CONSULTANTS

SUBJECT: Concrete Stress Limits for Prestressed Concrete Members

Tensile stress limits for fully prestressed concrete members shall conform to the requirements for "Other Than Segmentally Constructed Bridges" in Article 5.9.4 of the AASHTO LRFD Bridge Design Specifications, except that the tensile stress at the Service Limit State, after losses, shall be limited as noted below.

For components with bonded prestressing tendons or reinforcement, the tensile stress in the precompressed tensile zone shall be limited to a maximum of $0.0948 \sqrt{f'_c}$ (ksi). This limit applies to all projects, regardless of the site location.

Previously completed designs and plans shall not be revised to comply with this memorandum.

DOUGLAS E. MCCLURE

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cc: Assistant State Bridge Design Engineers
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File: PC/BWB

