



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

DM0492

October 8, 1992

MEMORANDUM TO BRIDGE DESIGN GROUP LEADERS AND CONSULTANTS

Subject: 1) Design Methodology
2) Live Load Requirements

The Strength Design Method (Load Factor Design) as defined in the AASHTO Standard Specifications For Highway Bridges shall be the design methodology used for the design of highway structures. In using the strength design method, the design strength of Class D Concrete shall be 4000 psi (i.e., $f'c = 4000$ psi). Service load (allowable stress) design will be used only for those structural components for which AASHTO does not provide a strength design method.

The minimum highway live loading shall be HS 25-44. HS 25-44 live load is defined as 1.25 times the standard HS 20-44 live loading given in the AASHTO Standard Specifications For Highway Bridges.

The design method and live loading shall be stated on the standard note sheet for all projects. The standard drawing entitled "Standard Notes" will be revised to reflect these changes.

Projects for which the design has already been substantially completed shall not be revised or redesigned to reflect the above changes. All new designs shall incorporate the above requirements.

A handwritten signature in cursive script, appearing to read "B. A. Meetze, Jr.", written in dark ink.

B. A. Meetze, Jr.
Bridge Design Engineer

RLK/slb