



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

DANIEL P. FANNING  
EXECUTIVE DIRECTOR

DM0893

November 16, 1993

**MEMORANDUM TO DESIGN GROUP LEADERS & CONSULTANTS**

**SUBJECT: SUBSTRUCTURE CONCRETE**

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All cast-in-place concrete substructure elements, except foundation seals, shall be designed and detailed utilizing "Concrete For Structures - Class D".

Substructure elements shall be designed using a specified compressive strength of  $f'_c = 4000$  psi for Class D Concrete. Foundation seals shall continue to be constructed using Class AA Concrete in accordance with Section 702.15 of the Standard Specifications. The use of concrete classes other than those shown above requires approval of the Bridge Design Engineer.

The above requirements shall apply to all projects currently under design. Projects which are completed need not be revised.

A handwritten signature in cursive script, appearing to read "Rocque L. Kneece".

Rocque L. Kneece, P. E.  
Bridge Design Engineer

cc: Consultants  
Design Group Leaders  
FHWA, Mr. Schroeder  
Assistant Bridge Design Engineers  
Bridge Construction Engineer

REL/slb