



South Carolina
Department of Transportation

DM0599

May 26, 1999

MEMORANDUM TO GROUP LEADERS & CONSULTANTS

SUBJECT: Beam Slab Designs

Design Memo DM0196 requires two and one-half (2 1/2 ") inches of cover over the top mat of reinforcing steel; therefore, design memo DM 0393 (Standardized Load Factor Design For Bridge Slabs) is no longer applicable for designing slabs. The slab thickness and reinforcing requirements should be project specific. A minimum of one and one-half inches (1 1/2 ") between top and bottom mats of slab reinforcing steel is to be maintained. A minimum bar spacing of five and one-half inches (5 1/2 ") shall be maintained between adjacent reinforcing bars in each mat. These spacing minimums are to ensure adequate room to properly consolidate the concrete.

Mr. Reese, please indicate on the Bridge Design web page that DM 0393 has been deleted.

Randy R. Cannon, P.E.
Bridge Design Engineer

cc: Assistant Bridge Design Engineers
James Reese

File: PC/JLC

