



SOUTH CAROLINA

DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

PO BOX 191

COLUMBIA, S.C. 29202

September 26, 1989

**MEMORANDUM TO DESIGN GROUP LEADERS & CONSULTANTS**

Subject: Approach Slabs

Approach slabs will be required on projects meeting one or more of the following conditions.

1. Bridge located on state primary, federal primary or interstate route.
2. Bridge located on secondary or county road having a current ADT of 400 VPD or greater.
3. Bridge located on secondary or county road with new approach fill height exceeding 10 feet.

All approach slabs not detailed prior to this memorandum shall be detailed with the roadway ends of the slabs parallel to the bridge ends. The length of the approach slab shall be 20 feet measured parallel to the roadway. All approach slabs shall be doweled to the end bent or pavement rest with #5 dowels at 18" o.c. The reinforcement in approach slabs shall be as follows:

- |    |                                    |          |
|----|------------------------------------|----------|
| A. | Top bars parallel to roadway -     | #6 @ 12" |
| B. | Bottom bars parallel to roadway -  | #6 @ 6"  |
| C. | Top and Bottom distribution bars - | #4 @ 12" |

The following revised note shall be placed on all approach slab detail sheets:

"All costs of materials, equipment and labor necessary to compact the fill beneath the approach slab to not less than 95% of maximum density using suitable construction procedures shall be included in the unit price bid for Concrete for Structures, Class D."

This memorandum supersedes memorandums of June 8, 1984; March 1, 1985; January 7, 1987; and April 8, 1987.

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Bridge Design Engineer

cc:  
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