



SOUTH CAROLINA

DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

PO BOX 191
COLUMBIA, S.C. 29202

September 2, 1988

MEMORANDUM TO SQUAD LEADERS & CONSULTANTS

Subject: Prestressing Strands for Pretensioning Applications

In our memorandum of April 28, 1988 concerning the above subject, we concurred in the limitations of size, minimum spacing and development lengths presented by the Federal Highway Administration in their letter of April 18, 1988. FHWA has further refined and clarified these limitations as follows:

1. No 0.6 inch diameter strand shall be used;
2. The minimum center to center strand spacing shall be four times the nominal strand diameter; and
3. The development length shall be twice the value determined by the Zia-Mostafa equation or 2.5 times the value given by AASHTO equation (9-32) for all strand sizes.

These requirements are effective immediately for all Department projects.

B. A. Meetze, Jr.
Bridge Engineer-Design

cc:
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Mr. LaBoone
Mr. Kneece
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Mr. Coogler
Mr. Phipps
Mr. Bryson
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