

COMMITTEE ON BRIDGES

The PCI Committee on Bridges met in Nashville, TN on October 6, 1985. The following is a summary of discussion items of interest.

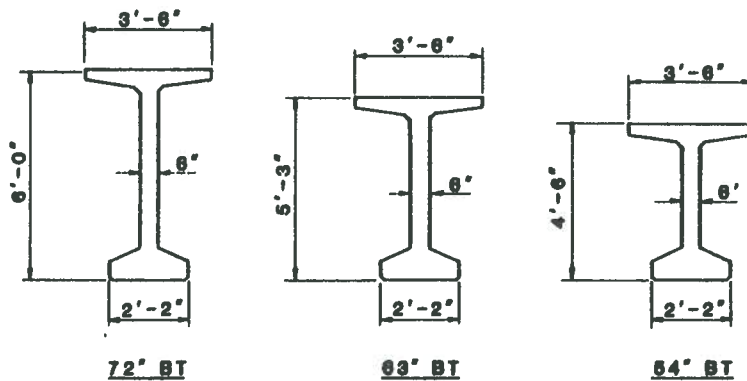
LOW RELAXATION STRANDS

The AASHTO Subcommittee on Bridges balloted on a 1985 Interim Specification to include low relaxation strand for use in pretensioned and post-tensioned members.

With the introduction of low relaxation strands the provision in AASHTO allowing overstressing to $0.80 f'_s$ for short periods should be used with caution if used for pretensioned beams. Should the pretensioned strand break at the grip, or there is a broken wire in the strand, and/or there is an extreme temperature drop, overstressing above the ultimate load stress of the strand can occur.

OPTIMIZED BULB TEE SECTIONS

A Subcommittee of the PCI Committee on Bridges has prepared a preliminary report which was presented to the members of the AASHTO Subcommittee on Bridges and Structures during their 1985 Regional Meetings in San Francisco and Nashville. The Sections being considered are bulb tee sections with depths of 54-inch, 63-inch and 72-inch and configurations as follows:



Details and design graphs are being prepared for distribution to designers and producers.

PRECAST DECK PANELS

Progress has been made on the completion of the State-of-the-Art report on the use of precast deck panels for bridges. The report is being updated to include solutions to some recently reported problems.