



August 9, 2002

MEMORANDUM TO TEAM LEADERS AND CONSULTANTS

SUBJECT: Prestressed Concrete Girder Build-downs

With the lengthening of prestressed concrete girders, the camber of girders continues to increase. To ensure there is enough build-down for construction, the vertical ordinate and girder camber with fabrication tolerances (one inch on girders ≥ 80 feet) shall be checked. This is crucial in sag curves. There shall be a minimum of $\frac{1}{2}$ " build-down at the centerline of girder after construction. If the stirrup lengths need to be varied due to minimum embedment and concrete cover, they shall be varied in bands to simplify placement and reduce the number of varying bars

These requirements shall be included on all plans immediately. If you have any questions, you may ask Mr. Coogler or the appropriate Assistant Bridge Design Engineer for clarification.

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

cc: Assistant Bridge Design Engineers
Bridge Construction Engineer
FHWA
CRM East
CRM West

File: PC/JLC

