



SECTION 705

PRESTRESSED CONCRETE MEMBERS FOR BRIDGES

705.1 Description. This work shall consist of furnishing and placing prestressed concrete members, complete in place, in the superstructure of bridges. This work shall cover both prestressed and post-tensioned members.

705.2 Material.

705.2.1 All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Prestressed Concrete Members for Bridges	1029
Reinforcing Steel for Concrete Structures	1036

705.3 Equipment. Prestressing equipment shall be in accordance with [Sec 1029](#).

705.4 Construction Requirements.

705.4.1 Post-Tensioned Members. Post-tensioned members shall be in accordance with [Sec 1029](#).

705.4.2 Erection. Erection of the structure shall be in accordance with the working drawings. Camber of beams, measured as the differential between adjacent beams in the final location, shall be no more than 1/8 inch (1 mm) per 10 feet (1 m) of span, and in no case greater than 1 inch (25 mm). The butt joints between precast panels shall be caulked to prevent excessive grout leakage between panels.

705.5 Method of Measurement. Measurement will be made by individual units of each type and each length of prestressed members, complete in place, in the finished structure. The concrete, reinforcing bars, prestressing tendons, anchorages and accessories, enclosures, grout, coil ties and all other incidentals will be considered a single unit.

705.6 Basis of Payment. Accepted prestressed concrete members will be paid for at the contract unit price.