



- A. Length of Beam $\pm \frac{1}{8}$ " per 10' but not greater than $\frac{3}{4}$ "
- B. Width (Flanges and Fillets) $+\frac{3}{8}$ " - $\frac{1}{4}$ "
- C. Depth (Over-all) $+\frac{1}{2}$ " - $\frac{1}{4}$ "
- D. Width (Web) $+\frac{3}{8}$ " - $\frac{1}{4}$ "
- E. Depth (Flanges, Web and Fillets) $\pm \frac{1}{4}$ "
- F. Bearing Plates (ℓ to ℓ) $\pm \frac{1}{8}$ " per 10' but not greater than $\frac{3}{4}$ "
- G. Horizontal Alignment $\left\{ \begin{array}{l} \frac{1}{2}" \text{ up to 40' lengths} \\ \frac{3}{4}" \text{ 40' to 60' lengths} \\ 1" \text{ greater than 60' lengths} \end{array} \right.$
(Deviation from a Straight Line Parallel to Centerline of Member)
- H. Camber, Differential from design camber $\pm \frac{1}{8}$ " per 10' but not greater than $\frac{1}{2}$ "
- I. Camber, Differential Between Adjacent Beams $\frac{1}{8}$ " per 10' of span but not greater than 1"
- J. Stirrup Bars, Projection Above Top of Beam $\pm \frac{3}{4}$ "
- K. Tendon Position $\pm \frac{1}{4}$ " CG of strand group and individual tendons
- L. Position of Deflection Points for Deflected Strands ± 12 "
- M. Position of Handling Devices ± 6 "
- N. Bearing Plates (ℓ to End of Beam) $\pm \frac{1}{2}$ "
- P. Side Inserts (ℓ to ℓ and ℓ to End) $\pm \frac{1}{2}$ "
- Q. Exposed Beam Ends Deviation from Square or Designated Skew $\left\{ \begin{array}{l} \text{Horizontal } \pm \frac{1}{4}" \\ \text{Vertical } \pm \frac{1}{8}" \text{ per ft. of beam height.} \end{array} \right.$
- R. Stirrup Bars, Longitudinal Spacing ± 1 "

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						
PRESTRESSED BEAM TOLERANCES CITY OF WILLOUGHBY CHAGRIN RIVER BRIDGE						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
	GFJ					