Tolerance for vertical dowel holes spa. to the ends & sides of the member

±1/2” spread box beam
+0 to -3/8” adjacent box beam

±1/8”

±1/8” for spa. ≥ 12”
±1/2” for spa. < 12”

±1/16” for skew ≤ 30°
±1/2” for skew > 30°

±1/2” tolerance for tie rod holes spa.

Diaphragm

±1/2” - tolerance for tie rod holes spa.

±3/16” for spa.

±1/16” for spa.

±3/16” - tolerance for end of void to center of tie hole

±1/2”

±3/8” spread box beam

+6’ to -6’

SECTION A-A

NOTES:


2. The top surface of the beam shall not vary more than 1/8” In 10’ as measured from a straightedge.

3. Tolerance of beam ends for deviation from a true vertical with respect to top and bottom surfaces.

4. Projection above top of spread box beam shall be ±3/8”.

Projection above top of adjacent box beam +0 to -3/8”.

End forms shall not bulge more than 3/8” and side forms ±1/8”

Variation in horizontal alignment from a straight line, end to end of beam and parallel to centerline of beam shall be ±1/4” for beam length ≤ 40’, ±3/8” for 40’ < beam length ≤ 60’, ±1/2” for beam length > 60’.

INDIANA DEPARTMENT OF TRANSPORTATION

FABRICATION TOLERANCES
PRESTRESSED BOX BEAM

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Design Standards Engineer 09/01/11

Chief Highway Engineer 09/01/11