GENERAL NOTES :

These notes are for fabrication tolerances for precast prestressed concrete members as shown on Standard Drawing No. 707-BPBF-01 for box beams and on Standard Drawing No. 707-BPBF-02 for I-beams.

1. Tolerances shown are maximum permissible varations from the dimensions shown on the plans or shop drawings. Tolerances are not to be considered cumulative. Longitudinal tolerances are based on design length. Casting length shall be adjusted to compensate for shrinkage and plastic flow.

5. Variation of camber shall not be more than 25 mm on one span nor more than 13 mm between adjacent members to be measured at time of erection.

   Permitted camber variation from design camber is as follows:

I-beams and girders, bulb-tee girders:	±3 mm per 3-m length with ±13 mm maximum for member length of 24 m or less
	±25 mm maximum for member length of greater than 24 m
Box beams:	±3 mm per 3-m length with ±13 mm maximum

7. Length of beam tolerance shall be checked after the final curing phase and within three days prior to shipping.

8. Horizontal alignment tolerance shall be checked immediately after removal of forms and strand release and prior to removal from bed.

9. End stirrup bars shall not be more than 50mm from the end of the beam.

10. At concrete bearing area, deviation from plane surface when tested in all directions of the plane surface with a steel straightedge shall not be more than ±2 mm.

11. Mild reinforcing steel concrete cover tolerance shall be -3mm to + 10mm.

All Dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

FABRICATION TOLERANCES
GENERAL NOTES

SEPTEMBER 2009

STANDARD DRAWING NO. 707-BPBF-03

DESIGN STANDARDS ENGINEER

/s/ Richard L.VanCleave 09/01/09
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/09
CHIEF HIGHWAY ENGINEER DATE