



# INDIANA DEPARTMENT OF TRANSPORTATION

## Design Memo No. 26-05

February 9, 2026

TO: All Design Personnel and Consultants

FROM: */s/Stephanie Wagner*  
Stephanie Wagner  
Bridge Engineering Director

SUBJECT: Prestressed Beam Imposed Deformations

REVISES: *Indiana Design Manual/Section 406-12.06*

EFFECTIVE: Stage 3 on or after March 1, 2026

Since 2022, INDOT has required designers to assume a minimum age of beams between 28 days and no more than 60 days prior to pouring the deck and to include that information in a note on the plans. Some incorrect application of the requirements has been observed. The referenced section of IDM [Chapter 406](#) has been revised to provide more background on imposed deformations and the resultant positive restraining moments (secondary effects) and to clarify the application of minimum beam age.

### Summary of Revisions

1. Subsections. Existing content reorganized to appear in 406-12.06 subsections (01) to (05).
2. Positive Restraining Moments. Positive restraining moments are only applicable at the interior supports for multi-span structures made continuous for live load. They do not apply to simple span bridges (single span or non-continuous multi-span).
3. Plan Note for Minimum Age of Beams.
  - The minimum age specified on the plans should be consistent with the assumption used for the beam design. Specifying that the beams be at least 90 days old so that restraining forces can be considered negligible per AASHTO LRFD *Bridge Design Specifications* is not acceptable. Do not specify a maximum beam age.
  - The plan note for minimum age of beams should be included only on plans for continuous multi-span bridges. It should not be included for simple span bridges.
  - The minimum age should be specified relative to pouring the pier diaphragm rather than pouring the deck.

For questions related to this design memo, please contact the Bridge Engineering Division at [BridgeDesignOffice@indot.in.gov](mailto:BridgeDesignOffice@indot.in.gov).