Regional Engineers

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Special Provision for Modified Longitudinal Construction Joint

September 26, 2025

This special provision was developed by the IDOT Pavement Policy Group to provide stress relief for portland cement concrete pavements greater than 60 feet wide in accordance with Chapter 54 of the BDE Manual and Highway Standard 420001 “Modified Longitudinal Construction Joint” detail.

This special provision should be inserted into contracts that contain a modified longitudinal construction joint for PCC pavement.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 16, 2026 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

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# MODIFIED LONGITUDINAL CONSTRUCTION JOINT (bde)

Effective: January 1, 2026

Add the following to Article 420.05 to the Standard Specifications:

“ (f) Modified Longitudinal Construction Joint. Modified longitudinal construction joints shall be according to Article 420.05(b), except a 3/4 in. (19 mm) dowel bar shall be used in place of the tie bar and the minimum pull-out strength criteria and testing is not applicable. In addition, the face of the slab shall be coated with a bond breaking application of curing compound, and a light coating of oil shall be uniformly applied to the dowel bar.”

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