INDIANA DEPARTMENT OF TRANSPORTATION

Design Memo No. 25-15

July 15, 2025

TO: All Design Personnel and Consultants

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

SUBJECT: Rigid (Concrete) Bridge Deck Overlays

REVISES: *Indiana Design Manual* Sections 17-5.12 (new), Fig. 17-5M (new), 412-3.02, and Figure 412-3C

EFFECTIVE: Lettings on or after September 1, 2025

The Standards Committee approved revisions to *Standard Specifications* Section 722, Concrete Bridge Deck Overlays, at the October 2024 meeting (item 3). The revisions include new pay items, clarifying construction requirements, and clarifying the method of measurement and basis of payment.

The revisions have been incorporated in the 2026 *Standard Specifications* and are effective as noted.

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Pay Items

The following new pay items will be become effective September 1, 2025

Pay Item	Pay Item Description	Unit
722-000134	BRIDGE DECK OVERLAY, RIGID	SYS
722-000146	BRIDGE DECK, REMOVE POLYMER OVERLAY AND SURFACE	SYS
722-000183	BRIDGE DECK, REMOVE CONCRETE OVERLAY AND SURFACE	SYS

- **Bridge Deck Overlay, Rigid**. This pay item allows contractors to choose between Latex Modified Concrete or Silica Fume Modified Concrete for a rigid bridge deck overlay. Different materials may be used for different bridges within the same contract. The practice of using alternate bid to select an overlay material will be discontinued. Designers should coordinate with the appropriate district Bridge Asset Engineer prior to utilizing a pay item for a specific concrete overlay material. Bridge Design Aid 412-02 has been revised accordingly.

- **Bridge Deck, Remove Polymer Overlay and Surface.** This pay item includes the cost of removing an existing polymeric overlay and additional depth into the deck in preparation for a concrete overlay.

  Note that this pay item is different from 738-12917, Bridge Deck, Remove Existing Polymer Overlay System used in conjunction with RSP 738-B-297, *Warranted Polymer Overlay System for Bridge Deck Surfaces and Polymer Overlay System for Non-Bridge Decks*. Using a separate 722 pay item ensures each removal scenario is paid for appropriately.

- **Bridge Deck, Remove Concrete Overlay and Surface.** This pay item includes the cost of removing an existing concrete overlay and additional depth into the deck in preparation for a concrete overlay. Pay item 722-12463, Bridge Deck, Remove Existing Concrete Overlay should no longer be used.

IDM Revisions

The referenced sections of IDM Chapter 17 and Chapter 412 have been revised to reflect these changes.

New and existing pay items and quantity information related to rigid bridge deck overlays has been moved from IDM 412-3.02 to 17-5.12

Figure 17-5M has been added to provide guidance on selecting pay items associated with a rigid bridge deck overlay. Figure 412-3C, Overlay Dam Details, has been updated.

For questions related to this design memo, please contact the Bridge Engineering Division at Bridgedesignoffice@indot.in.gov.

ARCHIVED 9/21/2026