



INDIANA DEPARTMENT OF TRANSPORTATION

Design Memo No. 25-22

December 10, 2025

TO: All Design Personnel and Consultants

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

SUBJECT: Special Partial Coating System

REVISES: *Indiana Design Manual*/Figure 17-5L

EFFECTIVE: Lettings on or after June 1, 2026

The [Standards Committee](#) approved the new RSP 619-B-330, Special Partial Coating System, at the November 2025 meeting, Item 4. The Special Partial Coating System is a three-coat system consisting of an organic primer, an epoxy intermediate coat, and a polyurethane finish coat. This system is more expensive and takes longer to construct than the standard two-coat partial coating system, but it is expected to provide a longer service life.

Using the RSP

The Special Partial Coating System is not intended for all partial coating applications, and approval from the INDOT Bridge Engineering Director is required for its use.

The system is intended for projects that include partial coating of a bridge that has an existing coating system and that is not programmed for painting within 15 years of the project letting date. Coordinate with the appropriate district Bridge Asset Engineer regarding bridge asset programming.

Examples for use of the Special Partial Coating System include:

- Repair of localized collision damage to a steel member that has recently been painted.
- When an existing reinforced girder end span is replaced with a steel beam that is spliced to the existing main span steel beam.

In these examples, the affected portions of the existing steel members should be cleaned and coated using the Special Partial Coating System. The standard three-coat system should not be specified as a partial coating system because the primers are incompatible. New steel members incorporated into the project will use the standard three-coat system.

Pay Items

New pay items have been created.

Pay Item	Description	Unit
619-000234	Clean Steel Bridge, Special, Br. No.____	LS
619-000235	Coat Steel Bridge, Partial, Special, Br. No.____	LS

The cost of the coating for new steel members continues to be included in the cost of the new steel member in accordance with *Standard Specifications* section 711.

IDM Revisions

IDM [Chapter 17](#), Figure 17-5L, Bridge Coating Pay Item Selection, has been revised to note instances where the Special Partial Coating System should be specified.

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