



Design Memo No. 24-03

February 12, 2024

TO: All Design Personnel and Consultants

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

SUBJECT: Waterproofing Membranes and Partial Coating Limits for Existing Steel Beams

REVISES: *Indiana Design Manual* section 407-2.01(03), Figure 407-2A (deleted)

EFFECTIVE: Contracts Letting on or after September 1, 2024

Waterproofing Membrane

The Standards Committee approved revisions to recurring special provision 714-R-748, Waterproofing Membrane for Reinforced-Concrete Box Structures and Three-Sided Structures, at the January 2024 Standards Committee meeting ([item 6](#)). The cost of the waterproofing membrane will no longer be incidental to the cost of the structure. Designers should use the following pay items.

Pay Item*	Description	Unit
714-000086	Waterproofing Membrane, Type 2	SFT
714-000087	Waterproofing Membrane, Type 3	SFT

*New pay items have a 6-digit index number

Until bid history is available, designers should estimate the cost of Type 2 waterproofing membranes as approximately \$5.00/SFT and the cost of Type 3 waterproofing membranes as approximately \$4.50/SFT.

The provision will appear on the May 2024 RSP Menu and is effective for contracts letting on or after September 1, 2024.

Partial Coating Zone Limits

The Standards Committee approved revisions to Standard Drawing series 619-PRWS, Coating Structural Steel, at the January 2024 Standards Committee meeting ([item 8](#)). Revisions incorporate the partial coating zone limits for existing steel beams as part of semi-integral end bent conversions and the updated “painting” to “coating” nomenclature noted in Design Memo [23-10](#).

The revised drawings will be incorporated into the 2024 Standard Drawings, effective for contracts letting on or after September 1, 2024.

The referenced section in IDM [Chapter 407](#) has been revised to utilize a consistent 10 ft distance as limits for coating weathering steel, in accordance with INDOT Standard Drawing series 619-PRWS. Figure 407-2A Weathering Steel (Paint Limits), has been deleted.

The updated “painting” to “coating” nomenclature has been incorporated into other affected IDM sections as an editorial revision.

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