



# Bridge Preservation

SERVING THE RAIL AND HIGHWAY MARKETS

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## Membrane-Level Drainage Technical Memorandum

To Whom It May Concern:

To help ensure long-term pavement durability on bridge decks coated with the Bridge Preservation™ waterproofing system, it is recommended that adequate membrane-level drainage be provided to ensure water is quickly removed from the bridge deck. Poor drainage results in pavement that is saturated with water, leading to accelerated deterioration of the pavement including potholes, cracking, stripping, and debonding. These issues are further exacerbated because bridge decks experience more freeze-thaw cycles than the adjacent roadways on grade.

In addition to membrane-level drainage, there are additional considerations when designing a waterproofing-asphalt assembly, including, but not limited to, tack coat selection, tack coat application rates, asphalt thickness, and adequate compaction.