

# 2022 Mid-Continent Transportation Research Symposium

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## Flexible Pavement Preservation Strategies and Effectiveness

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### Abstract

The performance life of pavement preservation strategies has been an important topic of research for highway agencies. This presentation will provide an overview of various pavement preservation strategies, when and where to apply them, and present findings from recent research estimating the life extension from Iowa DOT pavement preservation projects. Ongoing efforts to develop a pavement preservation guidebook will be presented.

In addition to a variety preservation strategies, industry continues to develop new materials for preservation as well as innovative equipment to reduce problems related to workmanship. Highly polymerized asphalt used in high performance thin overlays have grown in popularity. This strategy is used as both a preservation strategy (thin overlays) and as part of rehabilitation in a surface lift; however, recent cost increases have made an evaluation of their performance and important topic of study. This presentation will review how high performance thin overlays are currently being used and performing on Iowa highways.