

Use of Slurry Seals to Cost-Effectively Improve Multi-Modal Transportation in Growing Cities

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Urbanization has led to the need for growing cities to upgrade and improve their existing transportation infrastructure. This study shows how pavement preservation treatments such as slurry seals can be used to cost-effectively implement “complete street” designs to enhance safety and improve multi-modal transportation. Complete streets are being widely implemented, often after a paving project. The complete street is a multi-modal design allows motorists, pedestrians, cyclists and transit users to better share the road. Improvements in slurry seal materials have led to enhanced performance and a viable way for cities to implement complete streets without waiting for pavements to need full rehabilitation. Guidance and considerations for selecting slurry seal and/or microsurfacing roadways will be presented along with expected performance life and pavement preservation construction considerations for urban areas.

Keywords: complete streets, slurry seals, multi-modal, infrastructure improvements