



MRPA

MICHIGAN ROAD PRESERVATION ASSOCIATION

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It Starts With a Crack
in the Pavement

HMA Crack Treatment
and Overband Crack Fill

HMA Crack Treatment

Typically done on newer pavements as a stand-alone treatment



HMA Crack Treatment – Surface Prep

Removal of Vegetation

Rout all Primary Transverse Cracks

Blow Cracks clean with Compressed Air



Bituminous Crack



Crack Cut and Cleaned

HMA Crack Treatment

Configuration of Reservoir

Walls must be vertical / bottom flat



Non-Dustless Router



Dustless Router

HMA Crack Treatment

Application/Surface Quality

Filling the reservoir – Flush to 1/8" Thickness (Low Modules Material)

Width must be no more than 2.5"(including routed reservoir)

Secondary Cracks Sealed with Overband Method



Overband Crack Seal



Overband Crack Seal – Surface Prep

Removal of Vegetation

Blow Crack with
Compressed Air – Max 10
Minutes Before Sealing



Overband Crack Seal

For Non-Working Cracks
"Secondary Cracks"

Application/Surface Quality

4" width (+/- 1/2")

1/8" to 3/16" Thickness



How Much is Too Much?



Should You?



Crack Sealing

Pay Items

- Roadbed Mile or Lane Mile
- Pound or Foot
- Fixed Price, Variable Scope

Flex Patching and Poly Mastic

Flex Patching & Poly Mastic

- **Used for deeper and wider cracks or failing pavement seams.**
- **Aggregate incorporated with mix.**
- **Applied to the surface while hot.**
- **Provides some “body” to the material.**
- **Also works in localized alligator areas.**
- **Avoid excessive amounts in wheel paths**











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