

# **Getting to Know Your CPM Toolbox Interlayers**

## Interlayers

## Chip Seal Interlayer

Placed prior to HMA overlay
Texas Under Seal

Placed prior Micro Surfacing
Cape Seal

 Most common interlayer for CPM treatments.

 Variations: Scrub Seal and Fiber Reinforced Bituminous Membrane, Type B (FiberMat).



## Benefits of Interlayers

 Extends life of the overlay by delaying reflective cracking.

 Allows the energy from a crack to propagate horizontally as opposed to vertically.

 Reduces amount of surface water that will penetrate the pavement.

 The surface treatment can be thinner.



## Benefits of Interlayers

 Better compaction and adherence of surface treatment.

 Can eliminate need for (cost of) tack coat.

 CPM treatments can be mixed to meet project design needs

 Reverse Cape Seals use micro surfacing as the interlayer.



## **Mixing the Fixes**

- As roads deteriorate, a single fix may not be the right fix.
- Interlayers provide a costeffective life cycle extension and substantial savings over more costly rehabilitation.
- Better ride for life of pavement with less maintenance.



## Cape Seal











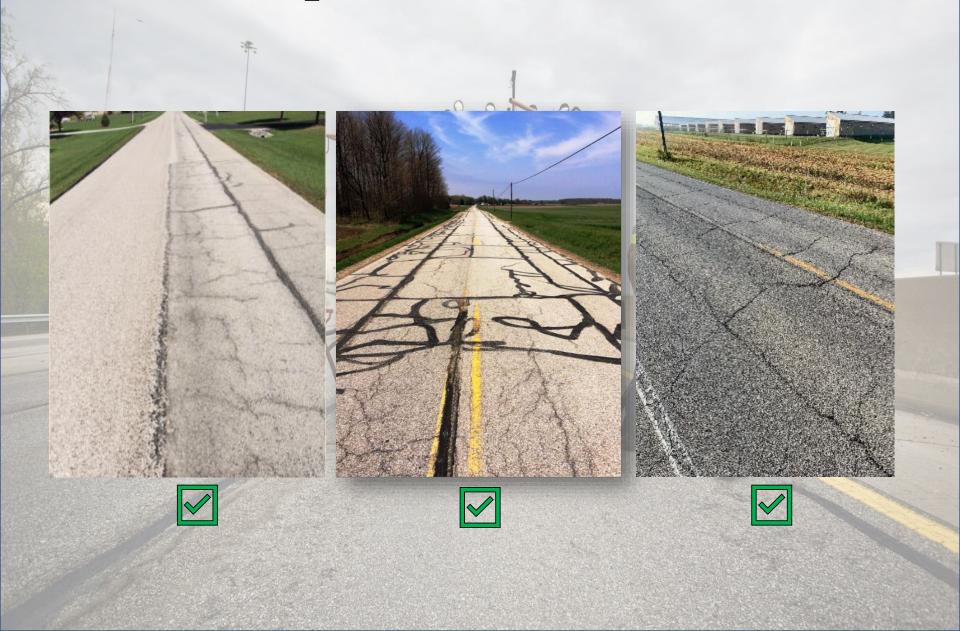
## Cape Seal

 Sweep well. Wherever possible, allow traffic on chip seal prior to the application of the micro surface.

Importance of clean surface.

 Non warranty chip seal with FUSP for warranty top course micro surfacing.

#### **Cape Seal Candidates**



## Fiber Mat







## Scrub Seal

#### Scrub Seal

- Use as stand-alone treatment or interlayer.
- Does not replace standard overband, chip and fog seal.
- Scrub seal is used where distress is too severe for standard overband.





#### Scrub Seal

- Benefits of a high-performance chip seal and rapid crack fill solution in one.
- Highly polymerized rejuvenating emulsion scrubbed into cracks.
- Designed to improve pavements with signs of alligator cracking, block cracking, raveling, and severe surface deterioration.
- Proper pavement selection is extremely important.





