

HMA Ultra-Thin:

HMA Ultra-Thin is a preventive maintenance treatment used to extend a pavement's service life, protect the pavement structure and restore pavement smoothness. It is a Hot Mix Asphalt mixture with a gradation that allows placement at $\frac{3}{4}$ inch thickness. Candidate pavements are structurally sound pavements with low-severity cracking, aged or oxidized pavements and pavements with low skid resistance.

The placing of thin HMA overlays has been used for many years by many agencies throughout the U.S. In Michigan, HMA Ultra-Thin overlays have been used by MDOT since 1999 with over 10 million square yards placed through 2008.

HMA Ultra-Thin was developed as a maintenance treatment alternative to chip seals, micro-surfacing and paver-placed surface seals. HMA Ultra-Thin overlays can be opened to traffic almost immediately after finish rolling. Micro-surfacing's curing time, subsequent traffic delays, and the cost and availability of specialized equipment for paver-placed surface seals can be avoided by using HMA Ultra- Thin.

Benefits:

- Seals pavement to delay further deterioration
- Restores pavement smoothness
- Extends pavement life
- Adds structural value
- Can be feathered to match structures and curb lines
- Ease of construction, standard paving operation
- A durable macro texture
- Longer durability than other surface treatments
- Reduces noise

HMA Ultra-Thin provides a cost effective way to extend the life of a pavement for up to nine years.