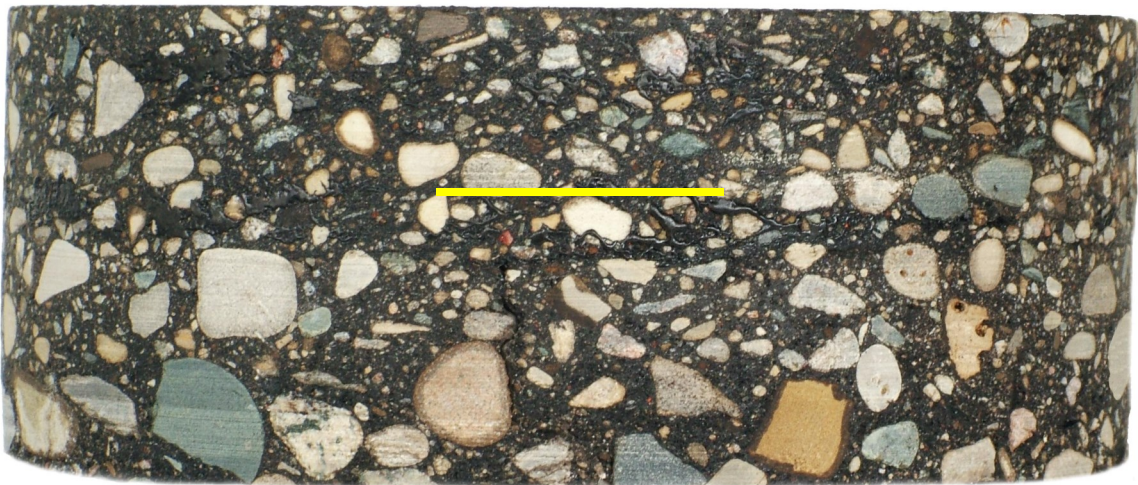


HMA Ultra-Thin

High Value Pavement Enhancement

- Extends Pavement Life
- Protects the Pavement Structure
- Restores Pavement Smoothness



HMA Ultra-Thin 3/4" - 1"
Over existing asphalt pavement

- VS -



Typical Surface Treatment 3/16" - 3/8"
Over existing asphalt pavement

HMA Ultra-Thin

High Value Pavement Enhancement

RECOMMENDED APPLICATION

Preventive Maintenance Treatments Cost Comparison

Treatment	\$/syd **	Cost/mile (24' wide)	Life extension range* (years)	Life extension range* average (years)	Cost/mile per year
Chip Seal-Double	\$3.26	\$45,899	3-5	4	\$11,475
Micro-Surface	\$2.90	\$40,830	3-5	4	\$10,208
Ultra-Thin Low	\$2.61	\$36,747	5-9*	7*	\$ 5,250
Ultra-Thin Medium	\$2.98	\$41,957	5-9*	7*	\$ 5,994
Ultra-Thin High	\$3.36	\$47,307	5-9*	7*	\$ 6,758

* Average Life Extension estimated by APAM

** Unit Prices based on Weighted bid prices from last 12 MDOT lettings (thru June 2018)

- PASER rating of 4, 5 or 6
- Structurally sound pavement
- Moderate cracking < 1/2" wide
- Aged, oxidized or low skid resistance pavements

BENEFITS

- 5-9 year life extension
- Seals pavement to delay further deterioration
- Improve ride quality
- Can improve skid resistance
- Maintain existing gutter pan
- Minimize or eliminate structure adjustments
- Reduce noise
- Improve drainage
- Ease of construction, standard paving operation
- Minimal construction time

For More Information Please Contact

A. John Becsey, P.E.
Executive Director
jbecsey@apa-mi.org



Charles E. Mills, P.E.
Director of Engineering
cmills@apa-mi.org



2937 Atrium Drive, Suite 202 ◻ Okemos, MI 48864
Phone: 517.323.7800 ◻ Fax: 517.323.6505

www.apa-mi.org