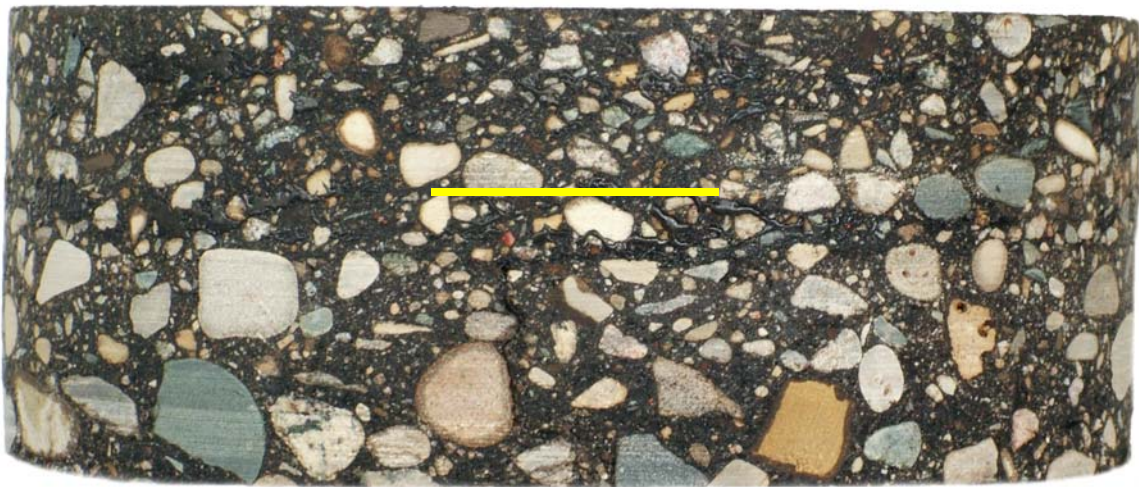


HMA Ultra-Thin

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	\$2.58	\$36,325	3-5	4	\$ 9,081
Micro-Surface	\$2.75	\$38,718	3-5	4	\$ 9,680
Ultra-Thin Low	\$2.55	\$35,903	5-9	7	\$ 5,129
Ultra-Thin Medium	\$2.59	\$36,466	5-9	7	\$ 5,209
Ultra-Thin High	\$2.95	\$41,534	5-9	7	\$ 5,933
* Average Life Extension estimated by APAM					
** Unit Prices based on Weighted bid prices from last 12 MDOT lettings (thru January 2011)					

- 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