Ohio DOT Preservation Research Findings
4 PM strategies investigated:

– Thin (<2”) Hot Mix Overlays
– Micro-Surfacing
– Chip Sealing
– Crack Sealing
Thin Hot Mix Overlays (<2”)

• Average thin overlay project cost is about 40% of the cost of the average minor rehabilitation project, but lasts more than 70% of the time.

• Higher aggregate soundness loss was found to correlate with a higher deterioration rate.
Micro-Surfacing

• Timing more appropriate in good to fair condition rather than Excellent condition.

• Life extension of 8 to 9 years.
Chip Seals

• Timing more appropriate in good to fair condition rather than Excellent condition.

• Life extension of 7 years.
Crack Sealing

- Timing more appropriate in good to fair condition rather than excellent condition.
- Life extension of 7 years.
- More cost effective for composite pavements