

# Micro-mill & Micro-Surface

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Micro-surfacing has been used successfully to seal new pavements and to preserve existing pavements for many years by NDDOT. Micro-milling was introduced recently as a method to obtain a smoother milled surface than standard milling.

Several projects have been constructed successfully in the Bismarck District using this combination on roads that would typically receive an HMA overlay.

The micro-milling process ( $\frac{1}{2}$  inch to  $\frac{3}{4}$  inch depth) removes the existing rumble strips and most of the existing transverse cracks that cause maintenance and ride issues on 8- to 14-year-old pavements. Micro-surfacing seals the pavement and provides a durable driving surface.

## Applications:

- Asphalt pavements that have good structure but need a new surface
- Asphalt pavements that have transverse cracking or rumble strip issues
- Cost is about half of a HMA mill & overlay
- A new method is to use the millings for the Type II or III aggregate for microsurfacing/slurry



Micro-milling the first lane



Micro-milling / Micro-surfacing



Finished and ready for new rumble strips