Pavement Preservation Strategies

Crack Sealing
Crack Sealing is a preventative maintenance process consisting of filling the cracks in the surface pavement with a rubberized asphalt sealant product to prevent moisture from penetrating into the pavement. Crack sealing helps to prevent existing cracks from further deterioration and becoming a pothole.

Microsurfacing
Microsurfacing is surface treatment placed over the existing asphalt and consists of an aggregate mixture of asphaltic oil, water and crushed rock which is spread over the street at about 1/4 to 3/8 inch thickness. The microsurface product "cures" when the water evaporates, leaving only the asphalt to coat the crushed rock. This treatment process protects the existing street surface from the effects of aging and oxidization and increases skid resistance. May be utilized on streets in new or good condition.

Thin Lift Asphalt
Thin Lift Asphalt is an asphalt-concrete overlay, which is used to level, waterproof, and restore the original street's shape and ride. May be used on streets in good condition.

Asphalt Mill & Overlay
Asphalt Mill & Overlay is the process of removing the existing asphalt surface layer and replacing with a new surface usually at a depth of 2 inches. In Olathe this process may also include minor repairs to the base asphalt pavement, limited curb and gutter replacement, and ADA-required sidewalk ramp improvements.

Major Repair Mill & Overlay
Major Repair Mill and Overlay is rehabilitation that includes significant repair to the full depth of the existing pavement by removal and patching with asphalt base replacement, extensive curb and gutter replacement and asphalt resurfacing of 2” or more.

Street Reconstruction
Reconstruction is not a Preservation Strategy but is necessary once the existing street can no longer be maintained or preserved. Reconstruction is the process of replacing the entire street within the existing right-of-way and consists of improvements to the grade below the pavement; replacing the full depth asphalt or concrete pavement section; all of the curb and gutter storm sewer; sidewalks; and ADA sidewalk ramps. Reconstruction may also incorporate moderate changes to street alignment, profile, cross-section, and roadway width.

The mission of the Olathe Street Preservation Program is to maintain all Olathe streets in good or better condition.