

Street Improvement Treatments

The Worthington Department of Service and Engineering oversees the annual Street Improvement Program, which is designed each year to repair wear and tear on our city streets. During the summer and fall, you will see many streets, sidewalks, curbs and gutters under construction. Some will receive face lifts or spot repairs and patches, while others will be replaced. You will see a variety of techniques used to extend the life of much of the City's asphalt, as well as traditional road surface replacement.



Asphalt Rejuvenation (above)

This treatment helps the pavement maintain flexibility. Originally designed to rejuvenate old pavements, studies have shown early application, within the first few years, can prolong the life of the asphalt. Think of it much like using moisturizer on your hands. Just like your skin, the application prevents further cracking, helps heal the fine cracks that are starting to develop and gives the street a much longer life and youthful look!

Crack Sealing (below)

This occurs on roadways that have not lost their structural integrity, but have developed cracks which could allow water to seep in, form ice and cause premature failure of the asphalt. While not the most cosmetically pleasing solution, it is the most cost effective treatment for extending the life cycle of the pavement saving valuable dollars on full scale replacement.



Patching

Patching is performed on streets where relatively small sections of pavement are failing, but the rest of the street is in reasonably good repair. Crews saw cut the bad section, remove the old asphalt and base along clean lines, and replace it with new stone and asphalt. The result is a small, but new section of pavement that doesn't spread to the rest of the street, and prolongs the necessity of replacing the entire roadway.

Microsurfacing (below)

A quick, economical surface treatment for asphalt, Microsurfacing provides a smooth, black, durable pavement surface. The cold thin surface paving system consists of a water-based polymer modified asphalt emulsion, 100% crushed fine aggregate, mineral filler, water, and additives. Because of its quick-setting properties, Microsurfacing can be applied in a broad range of temperature and weather conditions, effectively lengthening the paving season. It is particularly suitable for night applications on heavy traffic streets and highways.



Mill & Overlay

This is the most in-depth and expensive fix for roads that will not benefit from any of the other treatments. These roads are ground down to a good foundation and repaved with new asphalt. The result is a brand new street that will last for many years to come, along with regular maintenance and the treatments described above.

When you see the trucks, workers in reflective vests, and barrels show up this year, know the City is making the best use of your tax dollars to get the pavement back in shape, and get you back on the road!