

Micro-surfacing

What it is

Microsurfacing treatment uses a thicker-layered material composed of asphalt emulsion, stronger graded aggregates, mineral filler, water, and other curing chemical additives. Its purpose is to correct minor surface profile issues, medium pavement distresses, improve visibility, and improve skid resistance. Crack sealant is applied before starting the Microsurfacing process in order to fill cracks and prevent water intrusion. Since Microsurfacing material can cure within 1-2 hours, this process is used when roads need to be closed for the least amount of time possible.

Process

- Pavement failure areas are dugout and repaired.
 - Cracks are cleaned of vegetation or debris and filled with crack sealant.
 - Existing traffic stripes and markings are removed.
 - Microsurfacing is applied using a slurry truck. The mixture is squeegeed by hand to ensure uniformity.
 - Temporary traffic stripes and markings are placed immediately.
 - Several weeks later, permanent striping is replaced.
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Impact to Residents

Preparation activities such as repair of damaged pavement and crack sealing may begin as early as 3-4 weeks in advance of microsurfacing. Though roads are typically not closed for preparation activities, traffic delays can be expected. During the microsurfacing process, the road is closed to traffic. The road will be reopened once the mixture is cured, typically within 1-2 hours. Using alternate routes is advised in order to avoid traffic. Residents can expect to be notified via door hanger notices at least 72 hours prior to the treatment. Vehicles may not be parked on affected roads on the day of the treatment application; however, they may be parked outside of the construction zone if you plan to use them that day. Residents with special needs may contact the Town (jcormier@concordma.gov) beforehand in order to plan accordingly. All work is coordinated with transit and waste providers to minimize impacts to service.
