

Asphalt Rubber SAM

What it is

Asphalt-Rubber Stress Absorbing Membrane (SAM) is a type of high-performance surface treatment that creates a highly durable wearing surface for demanding pavements. Asphalt-Rubber SAMs are designed for high traffic volume roads, but they are often used on various types of roads where a higher performance surface treatment is desired. They are ideal for cracked and raveled surfaces where traffic delays, curb reveal and clearances under bridges and overpasses are a concern.

Asphalt Rubber allows for quick return to traffic and the ability to sweep the surface immediately after the treatment is applied.

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.
 - Then a full width coating of hot pre-coated 3/8" or 1/2" crushed stone is placed over a thick layer of hot-applied crumb rubber modified asphalt at a rate of 0.60 gallons/square yard.
 - 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 micro-surfacing. Though roads are typically not closed for preparation activities, traffic delays can be expected. For the Asphalt Rubber 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 to plan accordingly. All work is coordinated with transit and waste providers to minimize impacts to service.

The asphalt rubber treatment has a surface that is rougher than standard hot mix asphalt (HMA) surfaces and it has some loose stones at first. Within a construction season it's appearance will be similar to a hot mix asphalt (HMA) surface.
