

## Cape Seal

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### What it is

Cape Seal is a combination of asphalt rubber and micro-surfacing or chip seal and micro-surfacing. There is approximately at least a 5-day interval period between the application of the asphalt rubber or chip seal and the micro-surface application. The asphalt rubber improves the strength of the road's surface, and the micro-surface provides uniformity of the surface. Chip seal is a different process than Asphalt Rubber, CPW is not planning on using Chip seal on town roads currently.

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### Process

- Pavement failure areas are dugout and repaired.
  - Streets are cleaned of vegetation or debris, and cracks are filled with crack sealant.
  - Existing traffic stripes and markings are removed.
  - For the Asphalt Rubber application, 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.
  - After curing, streets are swept to remove any loose aggregate.
  - Then manholes and other utility valve covers are adjusted to final grade if necessary.
  - Approximately 5 days later, the micro-surface process begins. Streets are swept once again. Any aggregate that did not seal properly will be repaired.
  - Micro-surfacing is applied using a slurry truck.
  - Temporary traffic stripes and markings are placed as needed during the process.
  - 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. Traffic delays can be expected during repair of pavement failure areas; however, roads are typically not closed. 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. Alternate routes are advised to avoid traffic and will be posted on the street if necessary.

At least 5 days later, the road will be temporarily closed again for the Micro-surface application. The road will be reopened once the mixture is cured, typically within 1-2 hours. Alternate routes are advised to avoid traffic and will be posted on the street if necessary.

Adjacent property owners will 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](mailto:jcormier@concordma.gov)) to plan accordingly. All work is coordinated with transit and waste providers to minimize impacts to service.

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