



Town of Mansfield
6 Park Row, Mansfield, Massachusetts 02048

NOTICE

Roadwork/Chip Sealing

Dear Mansfield Resident,

We are reaching out to advise you that as part of the Town of Mansfield's Road Preservation Program, the DPW-Highway Division has scheduled application of Rubber Chip Sealing for the following roadways;

Baybrook Farm Road
Bliss Avenue
Carlow Crossing
Coral Street
Corbane Drive
Curtin Street
Day Avenue
Deerpath Circle
Deerpath Lane

Eastbrook Road
Echo Hill Drive
Farm Pond Path
Fieldstone Drive
Granada Circle
Horseshoe Loop
Kingman Avenue
Marjac Way
Mystic Lane

Necco Road
Nelson Way
Sadies Way
Sturbridge Drive
Wagon Wheel Way
Weaver Lane
Wildflower Lane
Woodland Way

Work is scheduled to begin on or about July 13, 2022 and will take approximately four (4) days to complete. Although not expected at this time, if any delays occur, work will commence on the next workday. Please be aware that the construction schedule is subject to change depending on weather conditions and to visit www.mansfieldma.com for any updates.

At this time we do not expect any road closures, but delays in traffic of about 30 minutes should be expected, so please plan accordingly. Cars will not be allowed to park in the roadway during work hours.

Please Ensure: that **no** cars are left in the roadway between the hours of 6:30am and 5:00pm, as this work cannot be completed in sections, **and** that your irrigation system **does not** spray into the roadway, as this will cause the chip seal to fail prematurely.

Expectations: Upon completion, there will be some light dust and loose stone. Highway Division crews will return to sweep loose stone 2 weeks after application, and will continue on an "as needed basis" after that. If you notice areas of loose stone that traffic is kicking up, please notify the DPW-Highway Division.

The Highway Division has provided commonly asked questions about the Rubber Chip Sealing process on the back of this notice. Please do not hesitate to contact us with any further concerns at 508-261-7336 or mcook@mansfieldma.com.

COMMONLY ASKED QUESTIONS

Why are you using rubber chip seal on my road and not just paving it?

Rubber chip sealing was chosen because it is a proven cost-effective maintenance process that will extend the life of your road 8-10 years. For the past 8 years this process has been successfully used on many roads in Mansfield. Without this process we would be leaving the road vulnerable to accelerated deterioration that standard crack sealing and/or overlays would not address. Paving is not as flexible as rubber chip sealing. When paving over roads with cracks, the cracks will reflect through the new pavement, allowing water to infiltrate the base. So, other than a smooth aesthetically pleasing surface, paving does not address the cracking. Paving also requires: that all manholes, water gates and catch basins be adjusted (at a substantial cost), driveways will need to be worked on and, if the road has curbing, losing height.

How is chip seal applied?

Chip Sealing is a process that involves spraying liquid, made up of 80% asphalt and 20% crumb rubber, at about 350+ degrees F, onto the surface of the roadway. The liquid penetrates and seals smaller cracks and joints in the pavement, while the larger cracks and joints are usually filled before this process begins. The hot liquid softens the pavement to allow the stone chips to be compacted into the road surface, both protecting the liquid and providing a new wearing surface. The rubber content stabilizes the liquid asphalt in hot weather and allows it to move with frost in the winter. In many ways this process is like having your driveway hot sealed, but we need to cover the sealer to allow for traffic as soon as possible.

What should I expect to see during the process?

This process moves quickly. The crew will arrive on the job and cover all manholes, catch basins and water gates with tar paper and stone in order to protect them so they are not covered over. The liquid applicator vehicle will then drive down the road, spraying the hot liquid asphalt, directly followed by a stone chip applicator vehicle that drops stone covering the liquid. The stones are immediately compacted into the surface of the road. The last vehicle is a street sweeper, sweeping up the loose stone chips.

What should I expect after the work is complete?

The road surface will be rough for the first 12-18 months, depending on when the work is completed and the volume of traffic on the road. Traffic and heat will set the stone and smooth the surface out. During this time period expect to see a street sweeper removing stone that will loosen up with heavier vehicle traffic (like trash and recycling trucks), this is especially noticeable on corners and in cul-de-sacs. Most roads will experience additional stones that will loosen as a result of snow plowing. These stones will be thrown into yards and driveways. The Highway Division plans for this and will be out in the spring to blow the stones back into the street and sweep the road.

Can children play in the roadway?

The main complaint received from residents is regarding the roadway surface being too rough for children to play (riding bikes and scooters) and fear if they fall they will be injured. We advise parents to use their best judgement where their children play and if the roadway is too rough, perhaps another location would be better suited for play.