



CITY OF GODDARD

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WINTER WEATHER PREPARATION & RESPONSE

The following suggestions are intended to provide an overview of the City of Goddard's response to winter weather conditions. Our Public Works Department is ready to respond 24 hours a day, 7 days a week to treat or plow ice, slush, and snow. During a winter storm event these tasks take precedent over all non-emergency City operations. City staff consults with meteorologists and monitor weather forecasts to establish a work plan to minimize a storm's impact on our community.

In anticipation of winter weather, the City utilizes salt brine to "pre-treat" our roadways to reduce the impact of snow and ice on the road surface. The goal of pre-treatment is to create a safer environment when travelling on our streets. The City will take a proactive approach to controlling snow & ice on Goddard's roadways. The application of salt brine is similar to spraying a frying pan with oil to prevent food from sticking to the surface of a pan.

- **WHAT IS SALT BRINE?**

Salt brine is water saturated with sodium chloride (rock salt).

- **WHEN IS SALT BRINE USED?**

Salt brine solution is sprayed on pavement up to 72 hours in advance of winter weather.

- **WHAT IS PRE-TREATING?**

Pre-treating is a snow and ice fighting strategy used in anticipation of warmer winter storms (usually above 15 degrees Fahrenheit). If applied within 72 hours of a winter storm, salt brine will begin working as soon as the first snowflake or ice pellet falls and will help delay the accumulation of snow & ice on the street pavement.

- **WHY USE SALT BRINE?**

Salt brine is more cost effective than other pre-treatment options and it minimizes costs associated with a post-storm response assuming no preventative action was taken. It allows the

Public Works Department to pre-treat our roadways during normal operating hours to save on unnecessary overtime costs. Additionally, it allows Goddard to have all our City streets pre-treated before driving conditions deteriorate. Salt brine prevents/slow the snow/ice from bonding to the pavement surface, which allows the roads to return to bare pavement much more quickly once the storm has ended.

- **HOW IS SALT BRINE APPLIED TO THE ROADWAY?**

Motorists can expect to see Goddard crews pre-treating the roads with salt brine using our specially modified trucks. Once applied the pre-treatment is initially wet for several minutes but then turns white. When traveling on a pre-treated roadway motorists will see white lines or a white swath of roadway. **Salt brine will not damage your vehicle.**

- **WHAT SHOULD I DO WHEN FOLLOWING A VEHICLE APPLYING SALTBRINE?**

Vehicles applying salt brine will travel at a speed of less than 40 mph. Motorists should stay back at least 500 feet from the vehicle.

- **WHAT ARE THE BENEFITS OF USING SALT BRINE?**

1. Anti-icing returns the roadway to normal faster and results in fewer accidents & delays.
2. Using liquid ice-melt jumpstarts the melting process because salt needs moisture to be effective.
- 3 Brine doesn't bounce or blow off the roadway like rock salt or sand, so the product is used more efficiently.
4. If the storm is delayed salt residue remains on the road ready to work once precipitation begins.
5. Crews can cover more territory by beginning treatment in advance of a storm. Increased efficiency results in less salt use, minimizing environmental concerns.
6. City tax dollars are maximized through the efficient use of resources.

REMEMBER THESE GENERAL RULES WHEN DRIVING AROUND SNOW & ICE EQUIPMENT

- Don't pass
- Don't assume the snow plow operator can see you.
 - Every truck has blind spots which reduce side and rear visibility.
- Allow plenty of stopping distance; don't follow too closely.
- Keep your headlights on low beam.
- **DRIVE SLOWLY & USE CAUTION**