

There's No Business Like Snow Business!

Wyoming winters are harsh and unpredictable. Your streets and parks snow removal crews are working round the clock to provide the safest streets possible. The anti-icing, de-icing, and traction materials we use provide the best combination of cost effective snow & ice control while being sensitive to environmental effects. We are continually looking at new products and studies to help guide our decisions to provide the most effective snow & ice control services for the citizens of Gillette.



We'll be out there 24 hours a day. We will provide the safest streets possible.

Our goal is to do it **RIGHT**:

R – Responsive
I – Innovative
G – Good Service
H – Helpful
T – Teamwork

Public Works



Working Together for Excellence

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City of Gillette
Wyoming



Snow & Ice Control Materials

*Everything you've
wanted to know
& more!*

Q & A Questions & Answers

What's that stuff you are putting on our streets?

We use a variety of products to help melt snow and ice on our streets during and after snow storms. This brochure will summarize some of the questions you may have about the products we use.



Applying Ice Slicer

Q. What is Ice Slicer?

A. "Ice Slicer" is the primary product we use for de-icing. It is a product that is mined in Redmond, Utah. It is reddish in color and made up of naturally occurring complex chlorides, magnesium, calcium, sodium, and potassium chloride. It is less corrosive than salt and will melt ice faster and at lower temperatures than salt. Unlike scoria, it dissolves and does not need to be swept up after a storm.



Ice Slicer Working!

It also provides similar traction capability as scoria when first applied prior to dissolving

because it is granular in nature. It also has fewer particulates than scoria, meaning less air quality issues.

Q. What's that liquid stuff you are spraying on the streets? Is it corrosive?

A. The material we use is called Caliber M1000. It is a blend of 30% magnesium chloride solution and 70% corn by-products. It is specifically designed for anti-icing, direct application de-icing, frost prevention, and pre-wetting of solids. When applied as an anti-icer, it makes plowing easier because it has the effect of helping prevent the snow from bonding to the road and turning to ice. Caliber M1000 is 78% less corrosive than salt as verified by tests developed by the National Association of Corrosion Engineers. Typically, liquid is applied between 20-40 gallons per lane mile.

Q. What is Scoria? When do you use it?

A. Scoria is a sort of natural brick formed from shale or sandstone that has been exposed to intense heat. The red color is produced by iron oxides in the rock. We use scoria strictly for traction control. It does not melt ice. It is high in particulates, which is detrimental to air quality. It must be swept up after storms. It is prone to get into catch basins, drainage systems, and can be seen on sidewalks and planter strips year-round. We only use scoria in limited quantities at intersections and other areas where we need to provide an additional measure of traction.



Scoria Residue

Q. How do you decide what material to use and when?

A. Our snow & ice control operations are dependent on a number of environmental factors. Those include the air and ground temperature, whether the temperature is rising or falling, the direction and speed of the wind, the type of precipitation and intensity of the storm, and the time of day. In addition to removing snow, we want to melt ice and prevent ice formation when possible.

Q. What can I do to minimize the effects of these materials on my car?

A. We live in a harsh environment. The simple answer is go to the car wash a little more frequently in winter.

Q. I notice that some materials leave a residue. Do they stain?

A. This is what is left after the Ice Slicer dissolves. It has a residual effect and will still work when it starts to snow again. It can be tracked on your tires or shoes but it will not stain clothing or carpets.

