

Winter Road Maintenance

Anti-icing, De-icing, and Pre-wetting

- Proactive approach
- Uses anti-icing products (salt brine) or freezing-point depressants
- 23% brine mixture, won't freeze and won't precipitate

Anti-icing

- Applied before or at the start of the storm
- Begins to work immediately at the start of the storm
- Forms a bond-breaker between the pavement surface and the snow and ice layer
- Lowers the freezing point of the water, reducing ice formation on the roadway
- Crews can cover more territory
- Remains on the road if the storm is delayed





Road where anti-icing was used.



*Road where anti-icing was **not** used.*

De-icing

- Applied after snow and ice has been compacted on the roadway
- Reduces the effort required to remove compacted snow

Pre-wetting

- Applied to the granular salt to “jump start” the melting process
- Dry salt must change to a liquid solution to melt snow and ice.
- Reduces bouncing or blowing off the roadway (>30% lost)

