

Video: *Car driving down icy road*

Audio, male narrator, music in background: Today's weather forecasting technology allows the Virginia Department of Transportation ...

Video: *Truck driving down icy road*

Audio: ... to identify when and where to begin anti-icing operations *before* road surfaces freeze.

Video: *Vehicles on icy road, branches covered with ice in foreground*

Audio: Applying anti-icing chemicals early prevents a bond from forming between the road and snow and ice.

Video: *Several shots riding behind truck spreading liquids*

Audio: Crews apply liquids to roads before or just as a storm hits. This causes the surface to remain wet or slushy, making driving safer and plowing easier. In Virginia, calcium chloride and magnesium chloride are the most widely used anti-icing chemicals

Video: *Shots of icy signs and vegetation with bridges in background and traffic on them*

Audio: Interstates, bridges and primary roads are the prime candidates for anti-icing treatments.

Video: *Night shot following truck spreading sand and salt*

Audio: If snow and ice forms before the road can be treated, sand and salt enhanced with chemicals are put down when the temperature is *above* 20 degrees. Sand is used when the temperature is *below* 20 degrees.

Video: *Snow plow on road*

Audio: VDOT strives to make all state-maintained roads passable within 48 hours after a storm ends.