

The DTN logo is located in the top left corner, enclosed within a large, stylized circular graphic that is split into blue and green segments. The logo itself consists of the letters 'DTN' in a bold, black, sans-serif font, with a small blue circle containing a white dot positioned above the letter 'n'.

DTN



RoadMaster

Support road safety and operational efficiency through better-informed gritting decisions

During winter road maintenance operations, staff are under pressure to deliver traffic safety whilst maximising operational efficiency. Treating roads too late can lead to accidents, traffic jams, and potential fatalities. However, unnecessary road treatments can result in high costs and avoidable environmental damage. DTN® developed RoadMaster to help address these challenges.

Benefits

RoadMaster helps road managers make decisions that support winter safety. It does this by providing RWIS measurements, location-specific road weather forecasts, and precipitation-type radar data to inform gritting decisions.

With RoadMaster, you can:

- **Support road safety:** Make informed gritting decisions with hyperlocal data on road surface temperatures, black ice, hoar frost, snowfall, and freezing rain. Forecasts are monitored and improved by meteorologists 24/7 to deliver the highest levels of accuracy and quality. To further support decision-making confidence, you can confer with one of our skilled meteorologists with extensive transport-specific experience.
- **Better minimise gritting costs and environmental impacts:** The use of road-specific weather models that draw on over 25 years of road-forecasting experience helps you avoid unnecessary treatments and can reduce environmental impacts. These road weather forecasts also support decisions on optimal salting amounts and chemical types.
- **Enhance gritting operations:** Virtually eliminate liability costs by using archived road weather data to aid decision-making and as evidence to support historical gritting decisions. Operating costs can also be reduced through improved estimates of long-term personnel needs, salting material stock, and required equipment.
- **Boost information sharing and collaboration:** Share real-time gritting decision information with your stakeholders. You can even support regional cooperation and collaboration by exchanging road condition forecasts and gritting information with neighbouring authorities.

Users and key use cases

RoadMaster supports road managers and road contractors working for municipalities, provinces, or national highways, who are responsible for gritting decisions.

- **Decide on gritting:** Understand when and where gritting action is needed, the type and amount of chemical to use, and whether snow ploughs are required.
- **Validate decisions:** Track and validate gritting decisions using historical data, such as archived RWIS measurements and past action logs, alongside road weather forecasts.
- **Plan resources:** Use road weather forecasts to plan needed personnel, chemicals, and equipment maintenance

Customers

Governments in countries like Canada, The Netherlands, the United Kingdom, and Germany put their trust in us. Contact us to learn more about how we help their organisations support thousands of miles of safe roads in winter conditions.

Features

RoadMaster is a web portal that shows past, present, and forecast road hazards in your maintenance area. Its dashboard features an overview of observations, forecasts, hazard warnings, and your suggested actions. The portal provides the following functionality:

- **Road hazard dashboard:** One glance keeps you on top of hazard warnings for the lowest road temperatures, black ice, high precipitation amounts, hoar frost, snowfall, freezing rain, and high wind gusts for your maintenance area up to eight days out. In addition, we can provide forecasts specifically for bridges or cycle paths.
- **Location details:** Drill down into locations for RWIS measurements, forecasts, and camera images.
- **Precipitation-type radar:** Improve short-term decisions based on real-time and forecasted precipitation radar information, distinguishing between rain, hail, snow, and freezing rain.
- **Multi-layer map:** Present RWIS data, camera images, satellite images, weather maps, and precipitation radar on a full-screen map, even combined in one map if you wish.
- **Road weather forecasts by email:** Receive daily email forecasts for your maintenance area.
- **Route-based forecasts:** Make decisions by gritting route based on high-resolution road hazard forecasts for each route on an hour-by-hour basis.
- **Action log:** Record, report, and share real-time decisions about gritting actions with your stakeholders.
- **Archive:** Use the time and data options to select reports on past activities and get full access to RWIS observations, forecasts, camera images, and your action log decision information up to 22 years in the past.
- **Share information:** Better collaborate with neighbouring road authorities by exchanging road weather and decision information.
- **iOS and Android app:** Gain instant access to road weather information for your maintenance areas wherever you are.
- **Road weather forecast data feed:** Easily integrate road weather forecasts into your own systems.

RoadMaster also provides personalised, expert advice on:

- **Hazard alerts:** Receive alerts from our forecasters about upcoming hazards.
- **Forecaster consultations:** Get advice from weather experts with extensive road-specific experience.

Unique RoadMaster capabilities

RoadMaster builds on decades of experience in weather forecasting and winter road management. With RoadMaster, users get access to the following unique capabilities:

- **Road-specific weather models:** The DTN road-specific weather models draw on over 25 years of road forecasting experience.
- **24/7/365 quality control:** Forecasts are monitored and improved around the clock by experienced meteorologists to deliver the highest levels of accuracy and quality.
- **Expert advice:** For added decision-making confidence, our transport-focused forecasters can provide direct guidance.

See the benefits first-hand

Take an expert-led tour of RoadMaster.

[Request a demo](#)