

Road Weather Information Systems



ASK ABOUT: MOBILE ROAD CONDITION SENSORS

Understand and track road conditions throughout your entire system with a real-time vehicle-mounted road condition smart sensor.



Smart solutions for road weather and flooded roadway applications

Weather can impact roads very quickly and having real-time data collection and warning systems are important for increasing public safety. Road weather solutions help decrease the risk of accidents by alerting emergency management personnel and motorists in real-time when hazardous conditions exist.

Anyone responsible for a road impacted by weather, such as Department of Transportation, Ministry of Transport, and Public Works agencies, at either the city or state level, can benefit from road weather solutions. Roadways that experience routine flooding and icing conditions are ideal places to set up warning systems to protect motorists from hazardous conditions. Many accidents occur when motorists are not aware of dangerous roadway conditions, so implementing an efficient warning system is important to keeping motorists safe and aware.

BENEFITS



Know and better respond to what is happening along your roadways in all conditions using AEM's accurate, scientific grade measurements.



Use real-time road weather information to inform critical decisions that help protect lives and property and efficiently maintain roadways.



Reduce accidents by providing roadside warnings and text notifications to the traveling public using weather-responsive traffic management

Complete view of road conditions for easy decision making

At AEM, we design complete systems, from sensors to data loggers to software, that deliver mission critical data to make the best decision possible. From winter weather conditions to flooded roadways, our road weather product line offers the most complete solution for agencies of all sizes to solve every possible challenge.



Road Condition Monitoring

Detect pavement state and meteorological conditions to effectively maintain roads.



Driver Warning Systems

Automatically monitor and detect hazardous road surface conditions and provide advance warning to motorists.



Decision Support Software

Collect data and images in one platform for complete situational awareness of storms and road conditions.



Meteorological Services

Trust our 24/7 team of expert meteorologists to provide customized real-time weather consulting and storm tracking.

Key Features

- Fixed in-pavement or non-contact sensors with/without NTCIP
- Mobile sensors and cameras help to verify conditions
- Flashers, sirens, or gates to warn motorists of hazardous conditions
- Contrail® software provides real-time data collection, visualization, and alerting tools
- 24/7 expert meteorologist support gives peace of mind to understand and respond to impending storms



ASK ABOUT: DRIVER WARNING SYSTEMS

Warn motorists about hazardous road conditions with flashers and signs. Add gates to automatically close roads when dangerous conditions prevent safe access.