

INTELLIZONE™

ADVANCEWARN SYSTEM™

Weather and traffic sensing and alert notification system



OVERVIEW

The AdvanceWarn System is a unique product utilizing technologies from all Quixote Transportation Technologies, Inc. (QTT) companies as well as products from U.S. Traffic Corporation. QTT has engineered **one** system that incorporates traffic monitoring sensors, Road Weather Information Systems (RWIS) that sense weather and pavement conditions, highway advisory radios and portable message signs. The AdvanceWarn System allows you to receive a completely integrated advanced warning system from one company, QTT. The QTT system monitors current conditions and informs motorists of hazardous weather and traffic problems.

FEATURES AND BENEFITS

- ▶ **One** system developed, installed and serviced by **one** company
- ▶ System allows traffic and weather information to be sent directly to motorists with no operator involvement
- ▶ Real-time weather and traffic data displayed on changeable message signs and transmitted through highway advisory radios
- ▶ Fully integrated system
- ▶ System is flexible and expandable to meet the changing needs of the customer
- ▶ Intuitive graphical user interface simplifies use
- ▶ 24/7/365 technical support
- ▶ Can be integrated with existing RWIS network
- ▶ Over 36 years experience in transportation safety



HOW IT WORKS

The RWIS collects data from the traffic sensor, pavement sensors and atmospheric weather sensors. IntelliZone software analyzes the data and, when conditions warrant, sends a message to highway advisory radios and portable message signs along the roadway. The highway advisory radios and portable message signs automatically update, in real time, to provide hazardous weather and traffic conditions to motorists. The system operates autonomously using decision matrixes and algorithms to determine proper messaging for the highway advisory radios and changeable message signs.



NTCIP ARCHITECTURE

- Scalable** ▶ System configurations include range from one or two components to many
- Modular** ▶ Modifications to one component do not affect other components
- Flexible** ▶ Devices from multiple manufacturers can be incorporated without affecting core software
- Robust Logging Features** ▶ Data is stored for easy retrieval, archiving and analysis

