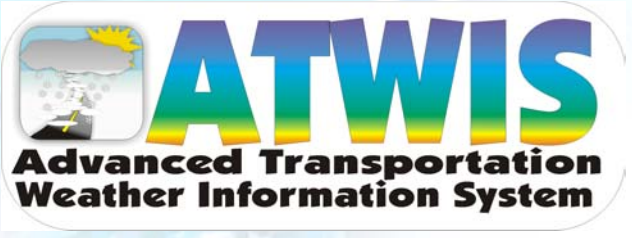


# RWIS Integration and Application



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**MERIDIAN**  
Environmental Technology, Inc.  
*Tomorrow's Technology Today!*



# Purpose

- To provide a vision for the integration of mesonet components across a State
  - RWIS, AWOS, ASOS, AG, Other
  - Establish a standard
  - Create User Interface for Dissemination
- Provide a user access across region for Decision Support

# RWIS FOCUS

- RWIS/Mesonet
- Site Evaluation
- Regional
- Interactive User Interface
- Quality Control

# RWIS/Mesonet Components

- RWIS
- ASOS
- AWOS
- AG
- DNR
- Others
  - Vendors



# Evaluation

- Two Types (Determining Quality)
  - Forecast Sites
    - Available for use in forecast operations
  - Monitor Sites
    - Provides specific information
- Standard Siting Requirements
- Identification of Each Site

# Forecast Site



# Monitoring Site



# Regional User Interface

- Provide A Regional View
- Surrounding States or Areas
- Web Interface
- User Access/Control



# Quality Control

- Data verification
- Interpolate surrounding conditions
- Site Condition Reports
- Levels of Access

# What is Clarus?

- What
  - Model deployment of a regional road weather observational data management and forecasting system & partnership to establish a nationwide road weather observation network.
- Why
  - To provide remote data for decision support to reduce the impact of adverse weather for all road and transit users and operators.



# Meridian

**Meridian Environmental Technology, Inc.**

**4324 University Ave.**

**Grand Forks, ND 58203**

**Tel: 701-792-1800**

**Fax: 701-792-1831**

**Mark Owens**

**701-792-1819**

**[mowens@meridian-enviro.com](mailto:mowens@meridian-enviro.com)**