

**RWIS
Road Weather
Information System**

Road Weather Station

- road surface temperature
- air temperature
- relative humidity
- atmospheric air pressure
- freezing point
- road surface status (or condition)
- etc.

Traffic Information

- traffic intensity (number of vehicles/lane)
- vehicles speed
- Distance between vehicle
- etc.

cameras

- digital images (black & white, color, infrared, ...)
- incident/accident detection
- road surface condition (wet, snowy, icy)
- etc.

Mobile Data Acquisition

- road surface grip
- road surface condition
- temperature (air, road surface, ...)
- residual de-icer amount
- GPS position
- winter maintenance vehicle parameters (snow removal action, de-icer spreading, ...)
- etc.

Weather Observation and Forecasts

- Satellite Images (visible, infrared, ...)
- radar precipitation data (liquid, solid)
- ground atmospheric parameters
- vertical atmospheric parameters
- air temperature
- relative humidity
- cloud cover
- total radiation
- etc.

Models Algorithms and Advanced Processing Systems

- determinist models
- statistic models
- fuzzy logic models
- neural networks models
- etc.

Man Machine Interface

Data Transfer

Communication, Message Adjustments, Medias for road users

- Road Owners
- Road Managers
- Private and Professional Road Users
- etc.

PC Server Data Concentrators