



# Road Weather Management:

## GoRWIS — Stay Ahead of Every Weather Event



**G**oRWIS brings every roadside weather station into a single, unified picture of conditions across your network. Built on the GoATMS platform, it manages Road Weather Information Stations (RWIS) and NTCIP Environmental Sensor Stations (ESS) alongside National Weather Service observations — so operators see surface conditions, atmospheric data, and precipitation in real time without juggling separate vendor tools.

**E**ach station reports in on its own schedule, and every reading is kept as a continuous historical record. GoRWIS captures the full spectrum of road weather data: air and surface temperature, dewpoint, wind, barometric pressure, visibility, humidity, multi-interval precipitation, and pavement surface status. Those readings roll up automatically into hourly, daily, weekly, and monthly trends with high, low, and average values for every metric.

**G**oRWIS turns weather data into action. Operators define the conditions that matter, and GoRWIS watches every reading against them — raising an alert only after conditions truly persist and clearing it only once they recover, so crews are never distracted by noisy, flickering notifications. When conditions hold, GoRWIS opens a weather event and manages it automatically through to close.

**S**tations appear live on the operations map with current conditions and alarm status visible at a glance. Per-station alarm settings, a dedicated weather dashboard, and an at-a-glance summary of nearby conditions delivered straight to active events make GoRWIS an essential tool for keeping crews, signs, and travelers ahead of every weather event on the road.

### Road Weather Management Feature Highlights:

- Automated Alerts
- Live Station Data
- Trend Aggregation

### SUPPORTED SOURCES & PROTOCOLS

ESS / RWIS                      NTCIP 1204 ESS over SNMP  
 NWS                              Live NWS observations, NWS zone alerts

### METRICS CAPTURED

ATMOSPHERIC                  Temp, dewpoint, wind, pressure, visibility  
 PRECIPITATION                1/3/6/12/24 hr accumulation, rate, type  
 PAVEMENT                      Surface temp, road status (Dry/Wet/Ice/Snow)

### ALERTING & EVENT AUTOMATION

CONDITION ALERTS          Operator-defined, hysteresis-debounced  
 WEATHER EVENTS              Auto open, manage, and close weather events

### HISTORICAL DATA & AGGREGATION

TRENDS                          Hourly/daily/weekly/monthly high, low, avg

*\* Weather metrics scale to the capabilities of each connected station and data source.*