



# Node Event Warning System (NEWS)

## Description

NEWS (Node Event Warning System) is designed to detect and send warnings of traffic irregularities (stopped traffic, etc.) to drivers by variable message signs, flashers, and other warning signals. Using your specified criteria for up to 16 pre-programmed events, the system monitors up to 8 stations and provides immediate alarm output. Perfect for both permanent and temporary installations, it is fast and easy to deploy and reliable in all weather conditions.

The system performs real-time processing of traffic measurements from multiple RTMS® units and provides alarm output based upon user-defined pre-programmed events. Outputs include contact pair closure (to drive dumb devices) and serial bus messages for VMS display and to alert traffic operation center operators.

## Applications

- Queue length detection/alarm
- Early warning on pre-programmed safety related events
- Activating warning signs on traffic conditions
- Reporting off-ramp lanes spillback to center and local controller
- Work zone traffic management
- Reporting congestion in specific points (mini incident detection)
- Wrong way warning on multiple locations
- Fog detection systems
- Toll-plaza operations
- Safety hazard detection

## Benefits

- Quick and safe installation on road-side poles without lane closures
- Accurate all-weather, per-lane operation measuring: Volume, Occupancy, Speed
- Scalable safety enhancement solution for both highways and signalized intersections

## Specifications:

### Detection Stations

- Pole-mounted. Includes side-fired or forward looking RTMS® and wire or wireless modem
- Installation time: typically 1 hour per station
- Measurement on up to 8 lanes
- Power options: line, battery, or solar

### NEWS Hub

- Fully programmable to process data from up to 8 stations
- Monitors event parameters and communications connectivity
- Data storage allows observation of raw data at remote center
- 8 contact pairs rated 5A+30 VDC.
- User defined VMS messages per event
- Dials up a pre-programmed number upon events or system faults

### NEWS Hub Set-Up Software

- Allows various communication channels with RTMS stations and with TOC
- Event definition by simple tables
- Remote or local event status, data and diagnostic display
- E-mail notification of event occurrence
- Can directly drive a variable message sign or a flasher on a fixed sign
- TOC computer supports multiple in-field NEWS hubs

## Features

- Up to 16 event definitions, based on up to 8 RTMS stations, each with up to 8 lanes
- Complex Boolean events using up to 4 parameter-limit conditions
- Programmable response delay
- Various output options: contact pairs, dial-up line, open serial line messages
- Remote programming and monitoring of events and of equipment status
- Fail-safe operation

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