

## PRODUCT SPECIFICATIONS

# ATS TRAFFICLOUD WEB-BASED MANAGEMENT SERVICES

For Wanco Radar-enabled Message Signs

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## TraffiCloud provides remote management for Wanco message signs

- Turnkey system, connectivity is built-in and automatic
- Password-protected system with five levels of access
- Unlimited authorized users within account can have access to data
- Web-based user interface is always up to date and continually receives applicable enhancements
- Fully hosted web-based management system
- An Internet-connected device and browser access from anywhere
  - o Compatible with PC, Mac, Android and iOS via browser
  - o Hosted database requires no setup or maintenance by customer
  - o Secure solution encrypts collected data
  - o No IT burden or support necessary
  - o Independent system with no firewall issues, no additional hardware or network appliances and no software or middleware to install for remote management
  - o Wireless cellular connection provided by ATS, no separate charges from carrier
  - o Virtually "hack-proof" wireless connectivity employs multiple security measures
- Setting and configuration changes are synchronized bidirectionally; TraffiCloud to equipment and equipment to TraffiCloud

## TraffiCloud Applications

TraffiCloud Apps are included in the Message Suite as noted. Equipment Management (TS & MS): Manage equipment remotely with settings applicable to the specific equipment.

- Check status and change settings/messages from any Internet-connected computer-monitor current sign configuration and power levels
- Remotely accessible settings (as applicable to equipment type)
- Speed limit for display and data collection devices
- Display options for speed displays: Max and min speed displayed, Stealth mode (collect traffic data without influencing speed), Speed limit display, Violator alert activation, Radar sensitivity
- Messaging
  - o Messages – library on server, library on sign
  - o Single sign or global message deployment (one to one or one to many)
- Schedule sign modes and messages as connected equipment permits
- Monitor sign location with GPS, potential for tracking stolen equipment

## Reporting

TraffiCloud patented web-based system with hosted database that efficiently collects, compiles and distributes information. Automated traffic data upload from equipment to server enables extensive reports.

## Reporting (continued):

TraffiCloud patented web-based system with hosted database that efficiently collects, compiles and distributes information. Automated traffic data upload from equipment to server enables extensive reports.

- Identify trends to optimize resource allocation and be proactive
- Charts and graphs for all data to accommodate recipient needs
- Reports exportable to PDF
- Automate report delivery on a set schedule to receive selected reports in your email automatically and/or to whoever you choose

Extensive filters for:

- o Data availability display on report UI to determine optimal date range selection
- o Time buckets from 15 minutes to one hour
- o Time and date range with auto trim of data to data extents within range
- o Quick range selections for last 7, 30, 60, 90 days
- o Select specific days of the week
- o Select specific lanes, directions or all lanes as applicable to equipment
- o Select specific classification lengths as applicable to equipment
- o Summary with volumes, min and max speed, average and 85% speed, pace speed, compliance and classification counts
- o Raw data counts as applicable to equipment
- o Volume by time, speed and time, classification and time
- Compliance and Risk compared to speed limit with adjustable low, medium and high risk ranges – provides visual indicator of traffic safety program effectiveness

- Enforcement Priorities, ranking locations with highest number of violators, weighted by volume or speed
  - o Occupancy to determine roadway utilization and service level
  - o Effectiveness of the traffic calming program in slowing vehicles for units with speed displays
- TraffiCloud patented web-based system with hosted database efficiently collects, compiles and distributes information. Automated traffic data upload from equipment to server enables extensive reports.

## Mapping:

Manage traffic safety program through intuitive interactive map of your community. Interactive map provides window to system information and functions.

- Set up sites on map for equipment and data collection locations
- Visualize equipment by location with relevant settings
- Current equipment location verified with GPS or to show location conflicts between server location and sign GPS (stolen sign) with GPS-enabled equipment

## Alerts

Select when and who is alerted

- Alerts for low and very low battery, includes GPS location if GPS equipped and powered
- High speed and congestion alerts
- Configure alert thresholds and recipients—each type of alert can have different recipient(s), and can vary by specific piece of equipment
- Receive email and/or SMS alerts
- Alerts include images if enabled

## Other Applications

Drive Times Sensor-Free Time to Destination

- Create route within TrafficCloud, including waypoints to lock in specific route
- Create message utilizing route time, with one route available per screen in a message
- Optimize traffic flow by dynamically directing traffic via the least congested route

## Conditional Sensor Messaging

Incorporating sensor or Internet data in messages

- Display data such as wind speed, vehicle weight, flood warnings and weather advisories based upon local sensors or remoted data

Open system can accept and send data to other systems, please ask us for details.

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All Traffic Solutions

12950 Worldgate Drive, Suite 310, Herndon, VA 20170

P. 866-366-6602 E. [sales@alltrafficsolutions.com](mailto:sales@alltrafficsolutions.com)

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