The ATS Wrong Way Detection and Notification System detects and alerts drivers with a flashing message, warning them that they are travelling the wrong way on a ramp or other one-way lane. If the driver continues past the flashing message sign, the system confirms the continued travel and alerts the designated authorities to the wrong way vehicle by email or text message.

Initial Detection and Confirmation Sensors

- Detection and confirmation of the wrong way vehicle is made by a Doppler radar or an infrared camera, depending upon the detection environment. If the travel lane area of detection is directly next to a lane of traffic that should be travelling in the same direction as the desired wrong way detection area of interest, the detection area is limited to only a limited area with proper selection and configuration of the detection sensor.

- The initial detection sensor sends a signal to the central controller at the message sign upon detection of a wrong way vehicle via a wired or wireless connection. Initial detection sensor can be up to 1000 feet in advance of the message sign. This distance is determined by the specific installation environment. This signal initiates the “Wrong Way” message.

- The confirmation sensor is generally located after the message sign, and if the vehicle continues past the sign a signal is transmitted to the central controller to send an alert to the designated recipient(s).

Alert Technology

- Alerts are sent to email or text address
- Alerts can be sent to as many recipients as desired
- Password protected system with three levels of access
- Fully hosted, turnkey web-based remote management service
  - Internet connected computer and browser provides anywhere access.
  - No IT infrastructure or support necessary
  - No additional hardware or network appliances necessary
  - No software or middleware to install for remote management
  - Wireless cellular connection provided by ATS, no separate charges.
  - Web-based user interface is always up to date and continually receives applicable enhancements
- System can be accessed via API to inform other systems

PRODUCT SPECIFICATIONS:
WRONG WAY DETECTION AND NOTIFICATION SYSTEM

AllTrafficSolutions.com
Compatible with these ATS Products

Engineered and manufactured in the United States of America

1. instALERT 18 Red LEDs   2. instALERT 24 Amber LEDs
3. Signs can be trailer or permanently mounted.

Message Sign
- There are two ATS message signs available that display the “Wrong Way” message
  - instALERT 18 (iA18): 18” x 28” full matrix
  - instALERT 24 (iA24): 24” x 60” full matrix
- Red or Amber LEDs display the Wrong Way message
- Optional strobes available to increase visibility, catch drivers attention
- iA18: 1-2 line messages
  - 1 line: 10 1/4” H x 5.75” W characters, 4 per line
  - 2 lines: 7” H x 4” W characters, 6 per line
- iA24: 1-3 line messages
  - 1 line: 24” H x 12.5” W characters, 4 per line
  - 2 lines: 10 1/4” H x 5.75” W characters, 8 per line
  - 3 lines: 7” H x 4” W characters, 12 per line
  - 2 lines: (1) 7” char, 12/line, (1) 10 1/4”
- Up to six screens per message, completely customizable by user
- Full graphics capability, each LED individually controllable
- Variable display time, flash and reverse rates for each screen
- Meets MUTCD specifications
- Detection and Notification System can be used to control message signs from other manufacturers
- See the ATS instALERT Specification for more VMS sign specs

Power
- System can run on AC or solar power. Power is tailored to the requirements of the installed location. Input: 12VDC
### Product Specifications: Wrong Way Detection and Notification System

System detects, confirms and remotely alerts when a vehicle is travelling the wrong way down an exit ramp or similar lane. System is powered with individual power at each component or a central power system, either AC or Solar. If a central system is used, communications are wired. If individual solar power is provided, communication is via radio.

#### Front Detection Camera or Radar
- **First detection of car entering ramp in the wrong direction.**
- **Power**
  - Solar at the camera or Remote Solar or AC System.
- **Signal**
  - Sent by radio to warning sign, or by wire through power conduit if remote powered.

#### Warning Sign
- ** Warns driver they are traveling the wrong way.**
- **Red LED message with white strobes.**
- **Power**
  - Solar at the sign or Remote Solar/AC.
- **Signal**
  - Received by radio to sign, or by wire through power conduit if remote powered.

#### Sensor Co-location
- Rear Confirmation Radar and/or Front Camera can be co-located with sign in some configurations.

#### Rear Confirmation Radar
- **Confirms vehicle on ramp traveling in the wrong direction, and triggers an alert so the authorities can respond.**
- **Power**
  - Solar at the camera or Remote Solar/AC.
- **Signal**
  - Sent by radio to sign, or by wire through power conduit if remote powered.