

# WRONG-WAY DRIVER DETECTION

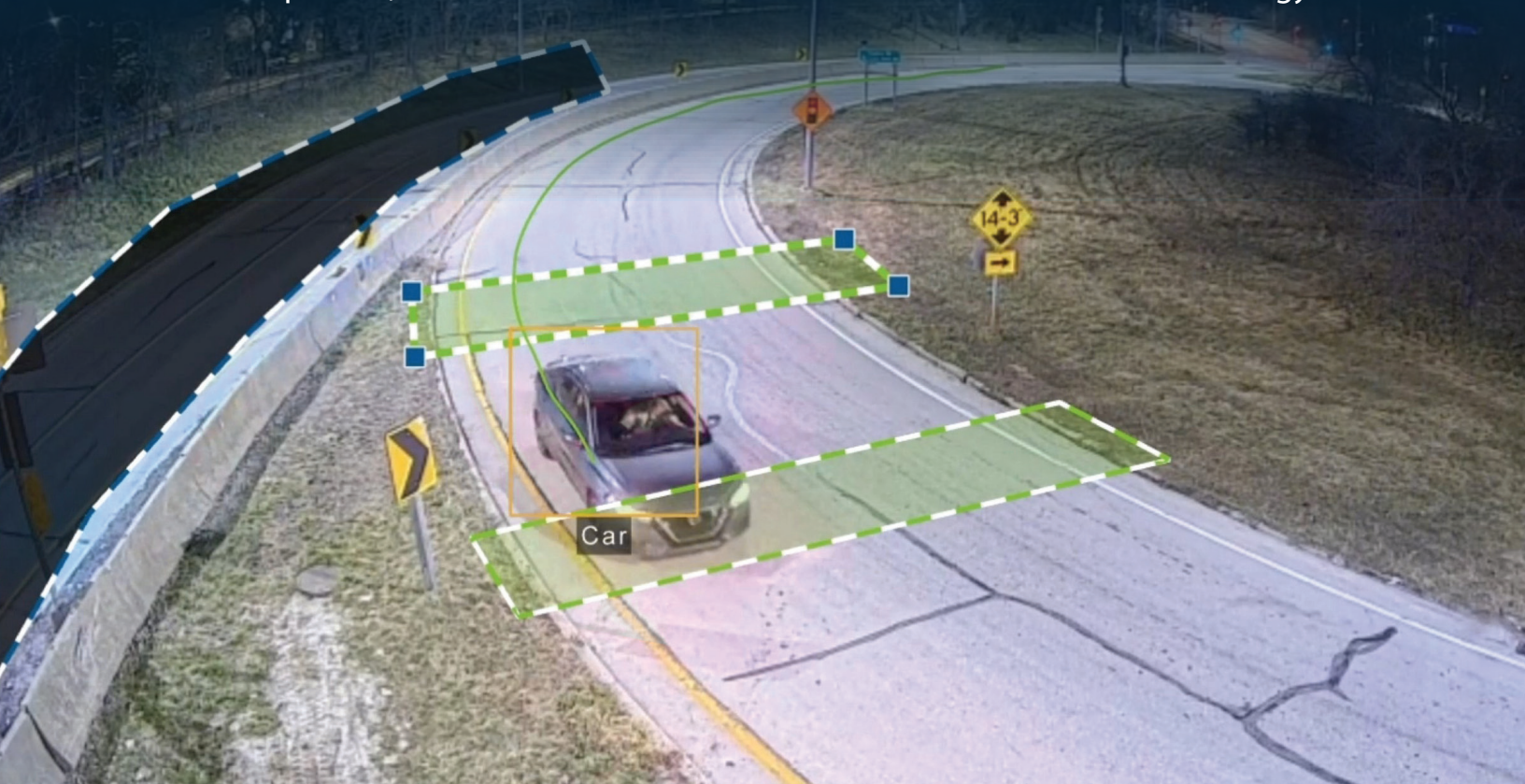


Wrong-way driving crashes cause approximately 1,500 fatalities in the U.S. each year, according to the National Highway Traffic Safety Administration (NHTSA).

With 15+ years of industry-leading experience in wrong-way solutions, TAPCO Wrong-Way Alert Systems are proven to keep false positives low and reduce events at common wrong-way driver entry points:

- Side-by-side highway entrances and exits ramps
- Exit ramps near side streets
- Poorly lit entrance and exit ramps
- Mainlines

Powered by Bosch AI-enabled cameras, TAPCO's Wrong-Way Alert Systems offer a fully integrated approach to wrong-way solutions, which is designed, manufactured and tested at TAPCO headquarters, and features the latest in video-as-a-sensor detection technology.





## AI-DRIVEN WRONG-WAY DRIVER DETECTION

The latest Bosch cameras for intelligent transportation systems (ITS) feature AI-driven video analytics developed specifically for roadway detection. The cameras deliver high level accuracy, while eliminating common disturbances:

- Headlights
- Extreme weather
- Sun glare
- Vibration

The analytics processing is at the edge, in the camera, with no central server required, providing high reliability and the lowest possible latency for detection alerts.

## SEAMLESS INTEGRATION WITH TAPCO WRONG-WAY ALERT SYSTEMS

The integration of Bosch intelligent ITS cameras is easily retrofitted into existing systems to provide real-time triggers to activate TAPCO Wrong-Way Alert Systems when a wrong-way driver is detected. Uniquely engineered to fit any ramp configuration, warning alerts can be added to any system:

- BlinkerSign®
- LegendViz®
- BlinkerBeacon™
- Rectangular Flashing Beacon
- Digital alerts for right-way drivers
- BlinkLink®



## FLEXIBLE SOLUTIONS FOR A RANGE OF REQUIREMENTS

With thousands of ramps installed over fifteen years, TAPCO's Wrong-Way Alert System is available in multiple configurations to meet the needs of a range of application requirements: ramp configuration, power and communication restrictions and budgetary constraints.

## BLINKLINK®

BlinkLink® software sends real-time notifications to TMCs, DOTs and/or law enforcement agencies via cellular modem or fiber networks. The system can also trigger overhead message board warnings and digital alerts via infotainment systems and navigation applications to right-way drivers.

