

Wanco® TWS

Trucks-Entering-Highway Warning Systems



Warn drivers of truck traffic ahead to prevent collisions and injuries

- Portable system—no infrastructure investment
- Fully automated nonintrusive detection system
- RF transmission to dedicated receiver
- Near-zero latency
- Easy to deploy

The Wanco Trucks-Entering-Highway Warning System (TWS) is a portable, automated system that notifies drivers when construction vehicles are leaving a worksite and entering the highway. This intelligent traffic system acts as a precautionary measure to keep drivers and construction workers safe by avoiding potential collisions.

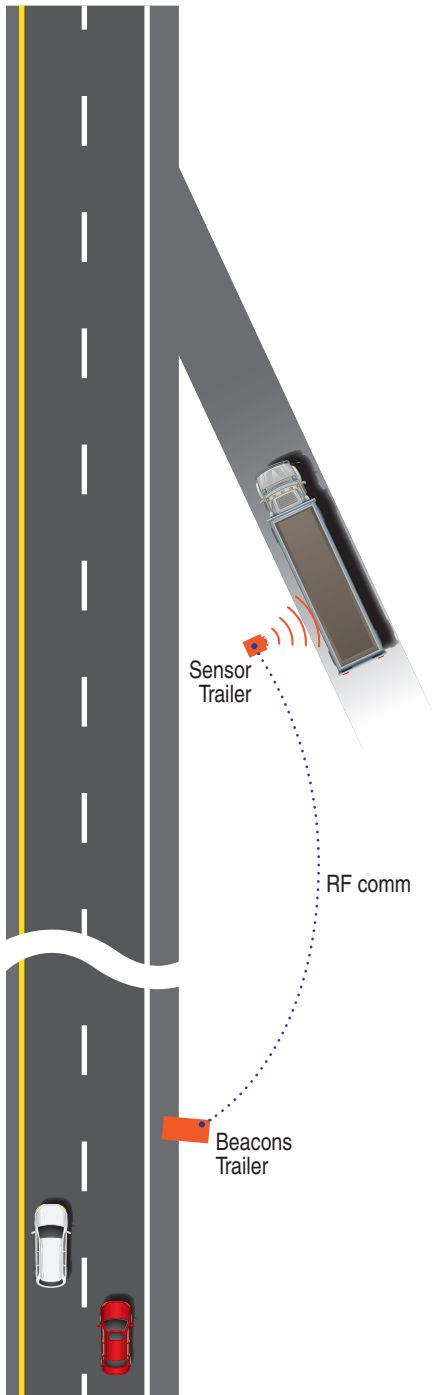
The Wanco TWS consists of two pieces of equipment that are “paired” electronically prior to deployment: a sensor trailer is located near the on-ramp from the worksite, while an oversized sign trailer with dual signal beacons is located next to the highway upstream from the on-ramp. The sensor trailer detects when a truck is bound for the highway and sends a signal to the beacons trailer. The beacons trailer, upon receiving the signal, activates its alternating flashing beacons. The beacons trailer is located far enough up the roadway so drivers approaching the work zone have enough distance to slow down or change lanes before they reach the merging traffic.

The TWS sensor trailer uses a nonintrusive ultrasonic signal to detect trucks approaching the highway. Its RF communication with the TWS beacons trailer is nearly instantaneous, as is the beacon activation.

The system is connected in real time to the Wanco Fleet Manager service via cellular modem. The system logs each detection event with a date and time stamp, and all data, including beacons-on time, system voltages and trailer locations can be accessed remotely using Fleet Manager. The TWS operates independently from Fleet Manager, continuously monitoring and warning drivers even if the cellular signal is interrupted.

Both trailers are portable, easy to transport and simple to deploy. Power is supplied by batteries, which are charged by an automated solar-based charging system. Low power consumption ensures reliable performance even for long-term deployments. The system can be deployed just about anywhere for any duration.

To see or purchase the Wanco TWS, call **800.972.0755** or visit **wanco.com**.



Brief specifications


Detection signal	Ultrasonic	Remote control	Wanco Fleet Manager
Max. detection distance	32 ft (9.75 m)	Remote communications	4G LTE modem
Wireless communications	900 MHz RF signal	Flashing beacons	8-inch signal beacons alternate flashing
Max. wireless range	1500 ft (460 m)		



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