

# TC-31A Truck Entrance Automatic Warning System

## WHAT IS A TC-31A SYSTEM?

A TC-31A is an automated version of the TC-31 sign. These signs warn drivers when a slow moving truck is exiting a roadside workzone allowing them to slow down or move over to make room. The standard TC-31 sign has been found to be very ineffective due to the infrequency of trucks exiting a work zone, drivers get used to the sign and begin ignoring it.

The TC-31A adds vehicle detection at the truck exit as well as wireless activation of warning beacons at the sign itself. The sign is also accompanied by a "When Flashing" sign so that drivers know that the system is remotely activated. This improvement has been found to be incredibly effective.

## PART OF A SMART WORK ZONE

The TC-31A sign is part of the OTM Book 7 standard and is regularly called for on roadway construction sites. As part of our Smart Work Zone initiative we have added even more intelligence to this sign system with the integration of cellular communications. This allows for remote monitoring and logging of the system's performance. This is not only useful for maintaining the signs but critically important during litigation when there is a motor vehicle accident involving a truck that was exiting a work zone.

## WHAT'S INVOLVED WITH DEPLOYMENT?

We have designed a very durable and user friendly platform structure to deploy these TC31A signs. There are two components to a TC-31A system:

- Detector Station
- Flashing Station

The detector station is placed at the truck exiting area of the work zone while the flashing station is placed 500-1000m upstream. This allows ample time for drivers to react to the warning.

Beacon Type	12" Amber LED
Solar System	4 Season Rated, 24Hr usage
Wireless System	900MHz ISM
Vehicle Detection Sensor	MS Sedco TC-26B
Structure	Galvanized Steel Telus Bar

