

Commercial Service Vehicle Alerts



OVERVIEW OF INNOVATION

NJDOT wants to get more information into the hands of drivers about changing roadway conditions – the earlier the better – to inform their decision making in an effort to reduce crashes. Commercial vehicle alerts inform truck drivers of hazards on the road, such as sudden slowdowns, disabled vehicles, debris, and adverse weather conditions, before the truck is affected by the incident. The driver can seek an alternate route or pull over until the slowdown is cleared.

NJDOT partnered with INRIX which collects and delivers real-time data that detects and describes sudden slowdowns, closures, and queues by location for specific events, and Drivewyze which provides communication with some 2.8 million trucks via its Drivewyze application which is embedded in the electronic logging device (ELD) of the truck. Drivewyze takes data from INRIX and communicates it to commercial truck drivers.

With this system, NJDOT can identify hazards and prevent crashes by issuing alerts of adverse road conditions before problems arise.



Source: Sblover99, Wikimedia

BENEFITS

Commercial vehicle drivers can avoid slowdowns, choose alternate routes, or pull over which can increase efficiency.

Awareness of adverse road conditions can help prevent crashes to improve overall safety for roadway users. In one example, a "major winter storm alert" was distributed to several states in the Northeast and reached some 4,811 trucks at a critical time over a 30-hour period.

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<https://www.njdottechtransfer.net/NOE-CVA-webinar>

NJ STIC Crowdsourcing for Advancing Operations
<https://www.njdottechtransfer.net/NJSTIC-COA>

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