

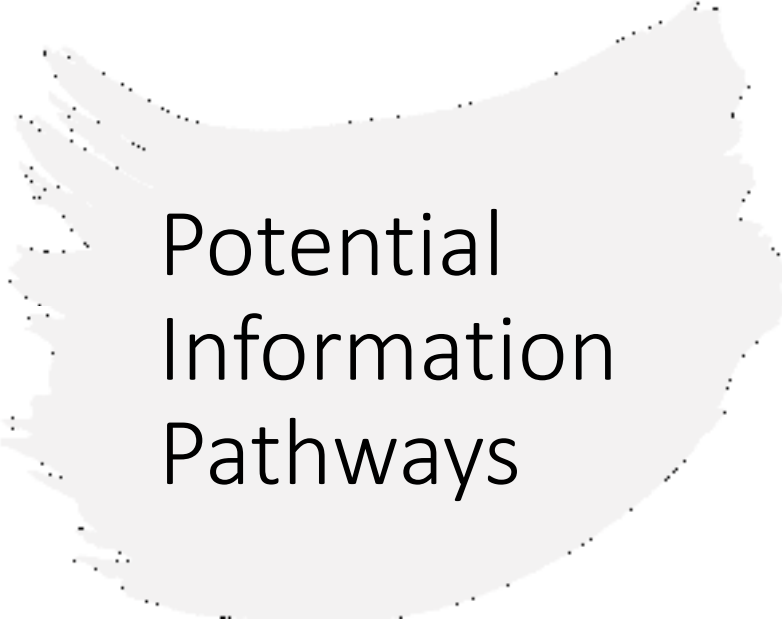


Testing CWZ Information Pathways to Freight Carriers

Objective: Explore Pathways to Provide Connected Vehicle Work Zone Information to Freight Carriers

Key Activities:

- Review potential information pathways
- Correlate pathways to a Receiving Agency traffic management business model
- Perform stakeholder outreach to freight carriers
- Examine impacts of potential solutions on freight drivers



Potential Information Pathways

Legacy methods

- CB radio
- Satellite radio
- AM/FM radio

Current methods

- OBU
 - TxDOT's LoneStar pushes alerts and data via RSU
- Potential ELD Pathways
 - Drivewyze accesses INRIX data and pushes alerts to ELDs
 - INRIX data shared with TxDOT's LoneStar ATMS
 - Drivewyze retrieves data from LoneStar ATMS and pushes data to ELDs
 - Fleet networks push data to ELDs

Alerting truck drivers in real time



Source: Drivewyze and NCDOT



[Image Link](#)

- INRIX “Slow Down” alerts detected from real-time INRIX probe speed data
- Drivewyze alerts truck drivers in real time via onboard ELDs

Factors Related to ELDs

- ELD mandate effective Dec. 16, 2019
- Trucking.org in 2021 estimated 4.06 million Class 8
- Drivewyze potential reach is 2.8 million trucks
- The key metric is alerts sent and acted upon
- Drivewyze applications
 - Preclear—weigh station bypass
 - Safety+
 - E-Inspections
 - Infrastructure services
- Large carriers prohibit using other in-cab devices while moving
- TxDOT has signed agreement with Drivewyze
- Cell network is robust where it needs to be

Drivewyze

- Trucks receive bypasses at 830 sites ^a
 - 45 states and provinces
 - 548 fixed weigh stations and inspection sites
 - 287 mobile inspection sites
- Runs on in-cab devices (no transponders)
- Selected ELD partners


Eleos	Konexial	Platform Science
FleetHunt	Motive	Rand McNally
Geotab	Omnitracs	Transflo
ISAAC	ORBCOMM	Trimble

^a Source: Drivewyze.com

Selected Drivewyze Customers ^a

^a Source: Drivewyze.com

J.B. Hunt	Schneider	Brooks-Dehart
Mesilla Valley Transport	Mercer Transportation Co.	Searcy Trucking
Paper Transport, Inc.	Barole Trucking	Swift
Foodliner	Cumberland Farms	Maverick
Quest Liner	Melton Truck Lines	LB3



Recorded Video from SH-47

<https://youtu.be/QeEoVJgsoRE>