

Optimizing Safety and Mobility

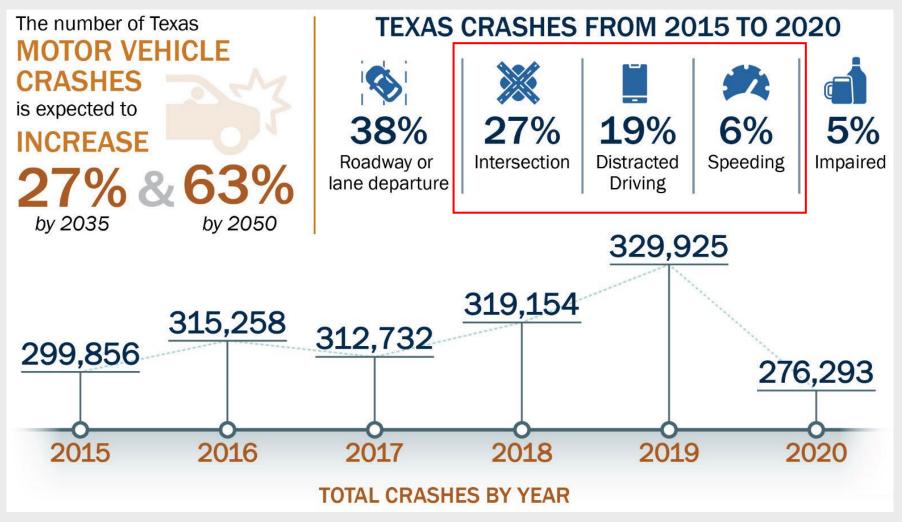
Achieving Zero Red-Light Violations



November 20, 2024



Facts







Red-Light Violations



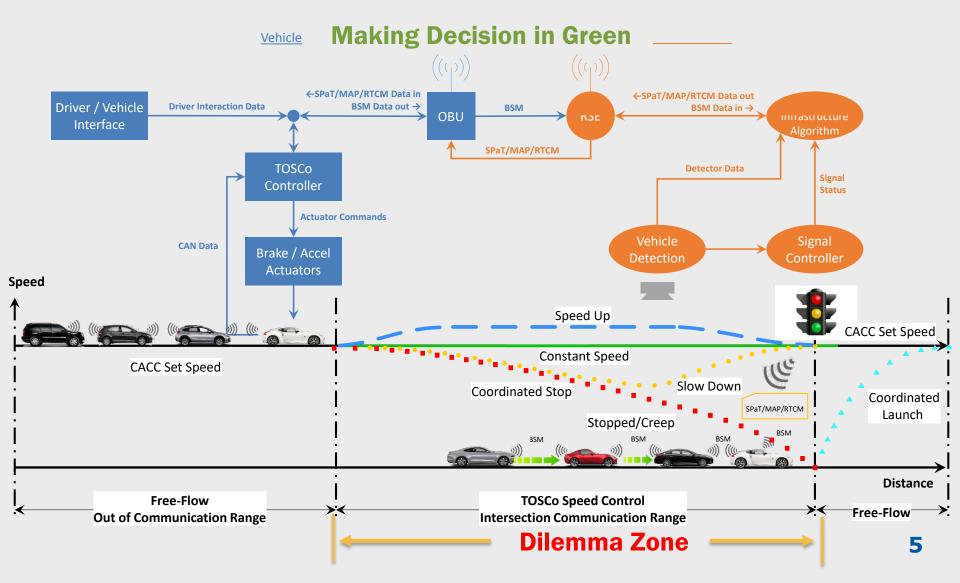
Distractions?

Following too close?

Dilemma Zone?



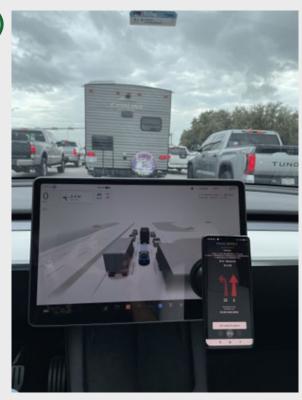
TOSCo SAE LV. 1 Vehicles W/ SPaT Data (No Red-Light Running)





TOSCo Vehicle on Red-Light Violations

- Speed Drive at Posted speed limit
- Distractions 100% Focus on signal info (SPaT data)
- Unsafe Following distance V2V Communications
- Dilemma zone It makes decision in green





Non-TOSCo Vehicle Solutions

- Speed- Audiable alert when over speed.
- Distractions Alert drivers when the signal is "red"
- Unsafe Following distance App to App Proximity Alert
- Dilemma Zone Alert drivers when the signal is about to change.











Can we achieve Zero Red-Light violations W/ C-V2X?

- Continue advancement in vehicle ADAS system.
- Providing advance alerts to vehicles and drivers for heads-up awareness.
- Assisting drivers to maintain focus on driving.
- Providing more information and time to drivers to help make better decision.
- Automated vehicle solutions.



Questions?