City of Bellevue

Joint Transportation Committee
September 23, 2024

Jared Nieuwenhuis
Bellevue Councilmember

Franz Loewenherz
Mobility Planning and Solutions Manager, City of Bellevue

Daniel Lai
Smart Mobility Manager, City of Bellevue
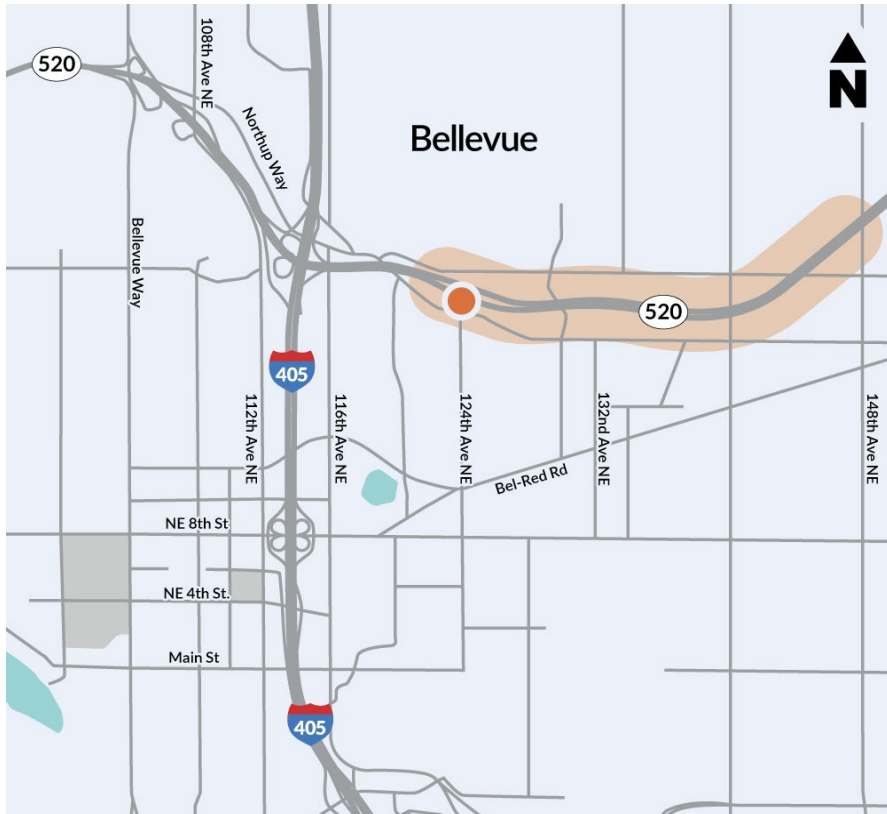
Kirk Neibert
Technical Project Manager for the Automotive and Autonomous Vehicles Sector, T-Mobile

Toward Zero Together

- House Bill 2384 Traffic Safety Cameras

- Funding for transit

- Funding for active transportation

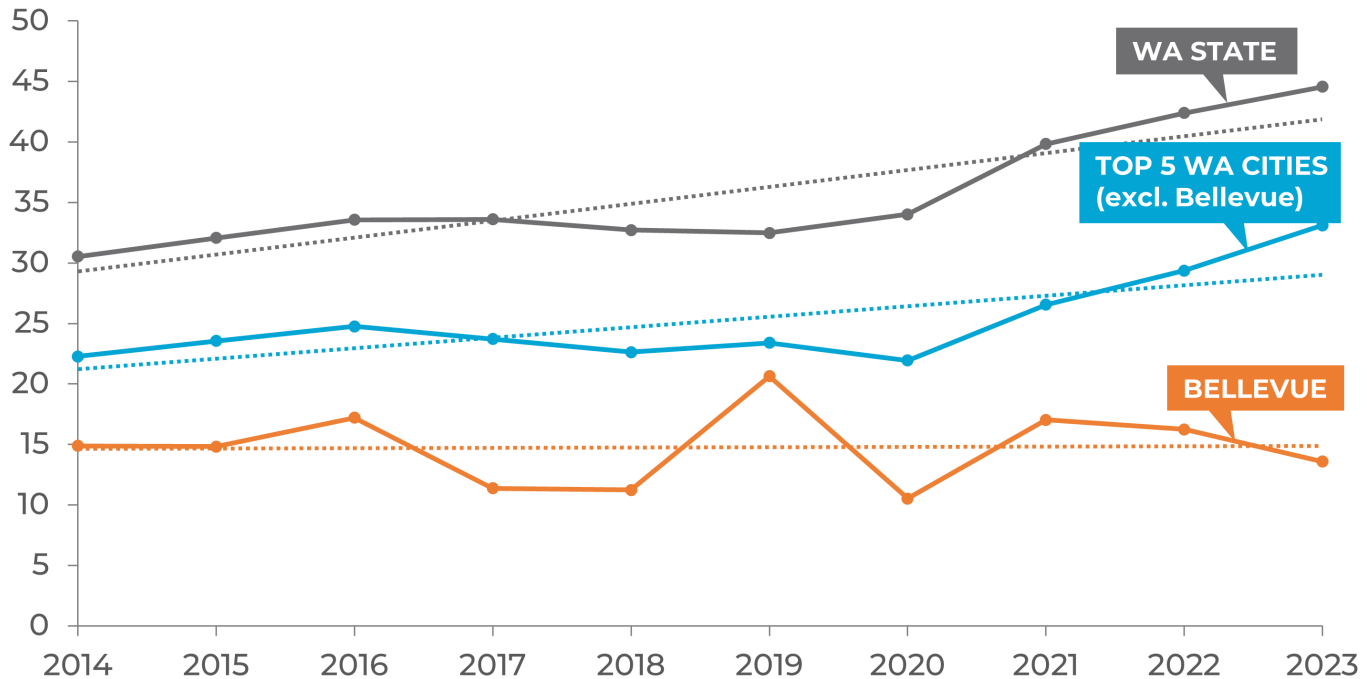- Funding for safety projects

Toward Zero Together

WSDOT's SR 520/124th Ave NE Interchange Project

- Will reduce congestion at the I-405 / SR 520 interchange

- Will improve safety on both freeways
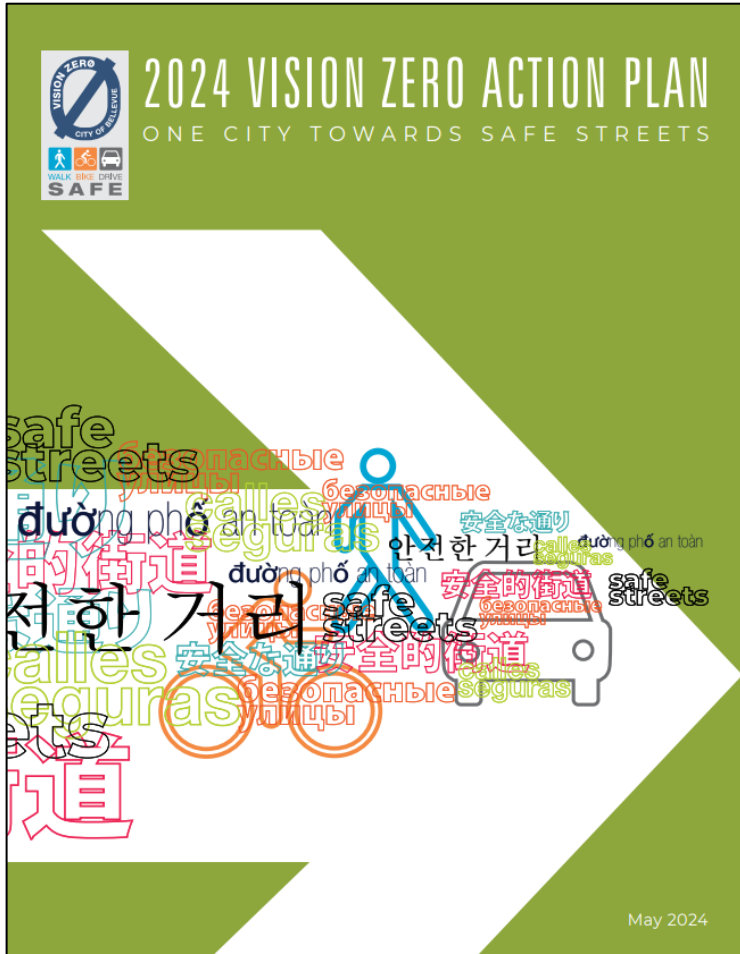
Fatal and Serious Injury Crashes

Fatal and Serious Injury Collisions by 100,000 Population, 2014-2023

Legend:
- Washington State
- Top Five WA Cities by Population (excluding Bellevue)
- Bellevue
- Linear (Washington State)
- Linear (Top Five WA Cities by Population (excluding Bellevue))
- Linear (Bellevue)

*Source: Preliminary WSDOT Fatal and Serious Injury Collision Data (2014-2023)*

2024 Activities

2024 VISION ZERO ACTION PLAN
ONE CITY TOWARDS SAFE STREETS

May 2024

[2024 Vision Zero Action Plan.pdf (bellevuewa.gov)](https://bellevuewa.gov)

- Evaluating over 270 candidate improvements from Road Safety Assessments

- Advancing work with our community and council to consider 20MPH local street speed limits

- Executing federal grant agreements totaling $6.25 million in combined road safety funding

Capital Infrastructure Needs

Status of Road Safety Assessments along High Injury Network
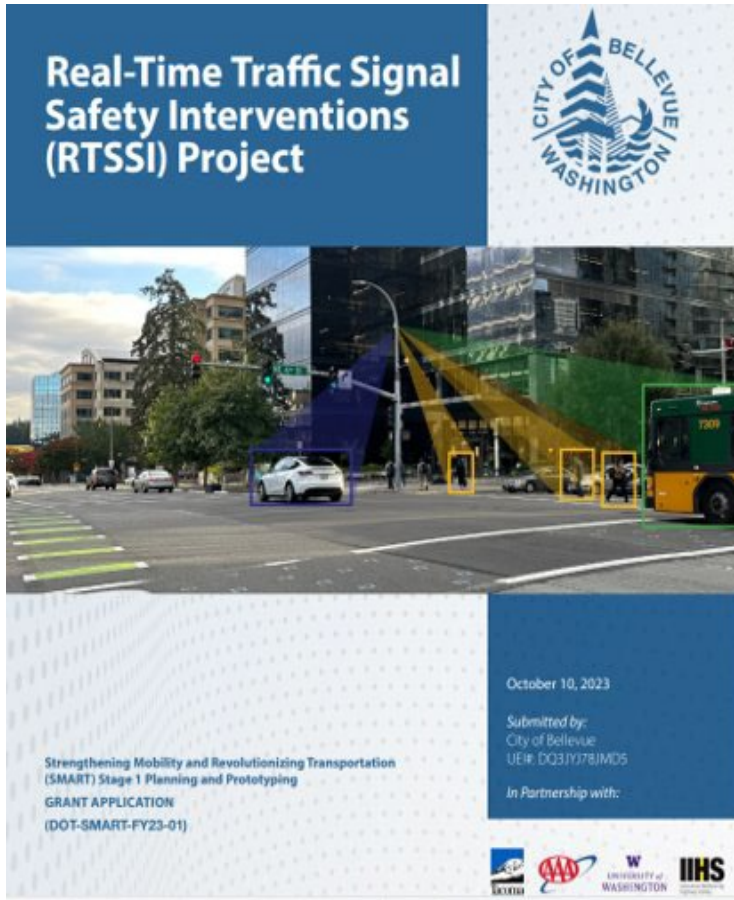
— Complete - 13.5 mi
— Remaining - 27.7 mi
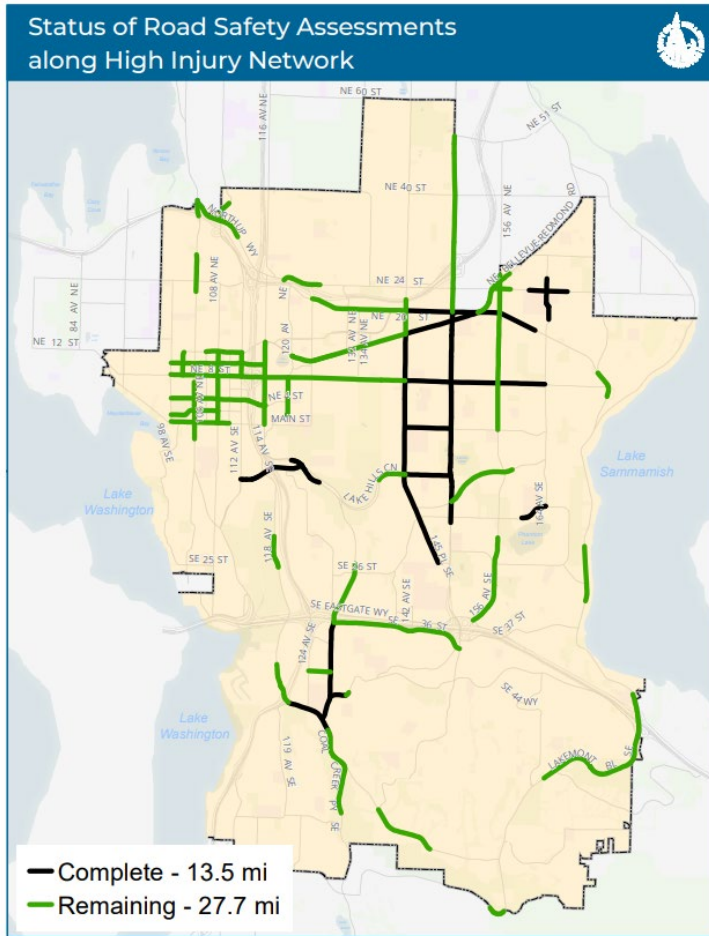
- Assessed 13.5 miles of Bellevue's High Injury Network

- Identified 270+ issues; $140M+ needed for safe street improvements

- Additional 27.7 miles of High Injury Network still need to be assessed

2023 Ped-Bike Road Safety Assessment.pdf (bellevuewa.gov)

Digital Infrastructure Needs

Real-Time Traffic Signal Safety Interventions (RTSSI) Project — CITY OF BELLEVUE WASHINGTON

October 10, 2023

Submitted by:
City of Bellevue
UEI#: DQ3JYJ78JMD5

In Partnership with:

Strengthening Mobility and Revolutionizing Transportation (SMART) Stage 1 Planning and Prototyping
GRANT APPLICATION
(DOT-SMART-FY23-01)

- Awarded $1.4M federal grant to pilot safety solutions for people walking at five (5) signalized intersections

- Additional funding needed to equip remaining 220 signalized intersections

Bellevue RTSSI_SMART FY23.pdf (bellevuewa.gov)

Pilot: Intersection Safety
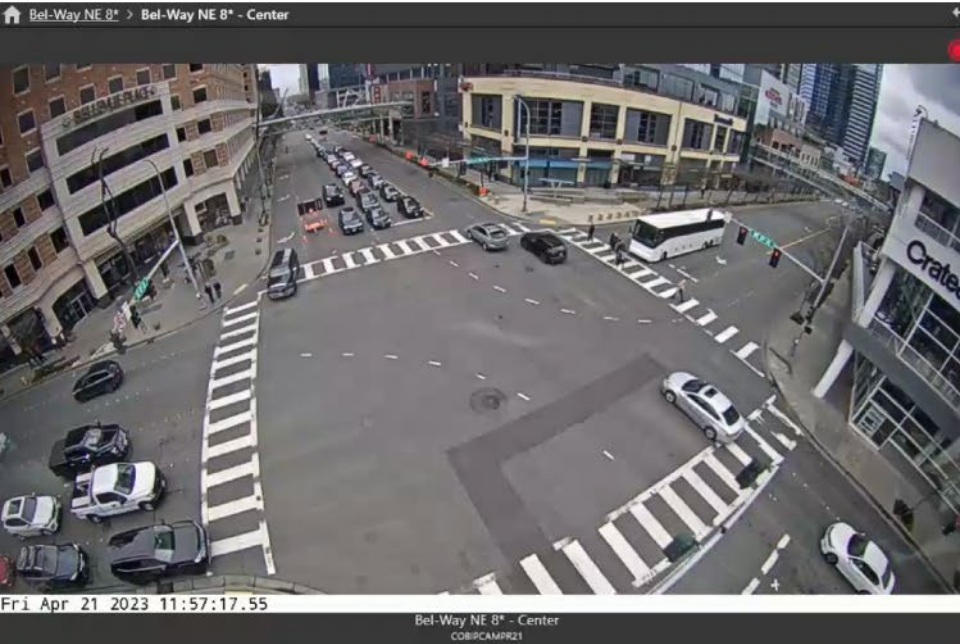
Pilot: Driver Alerts
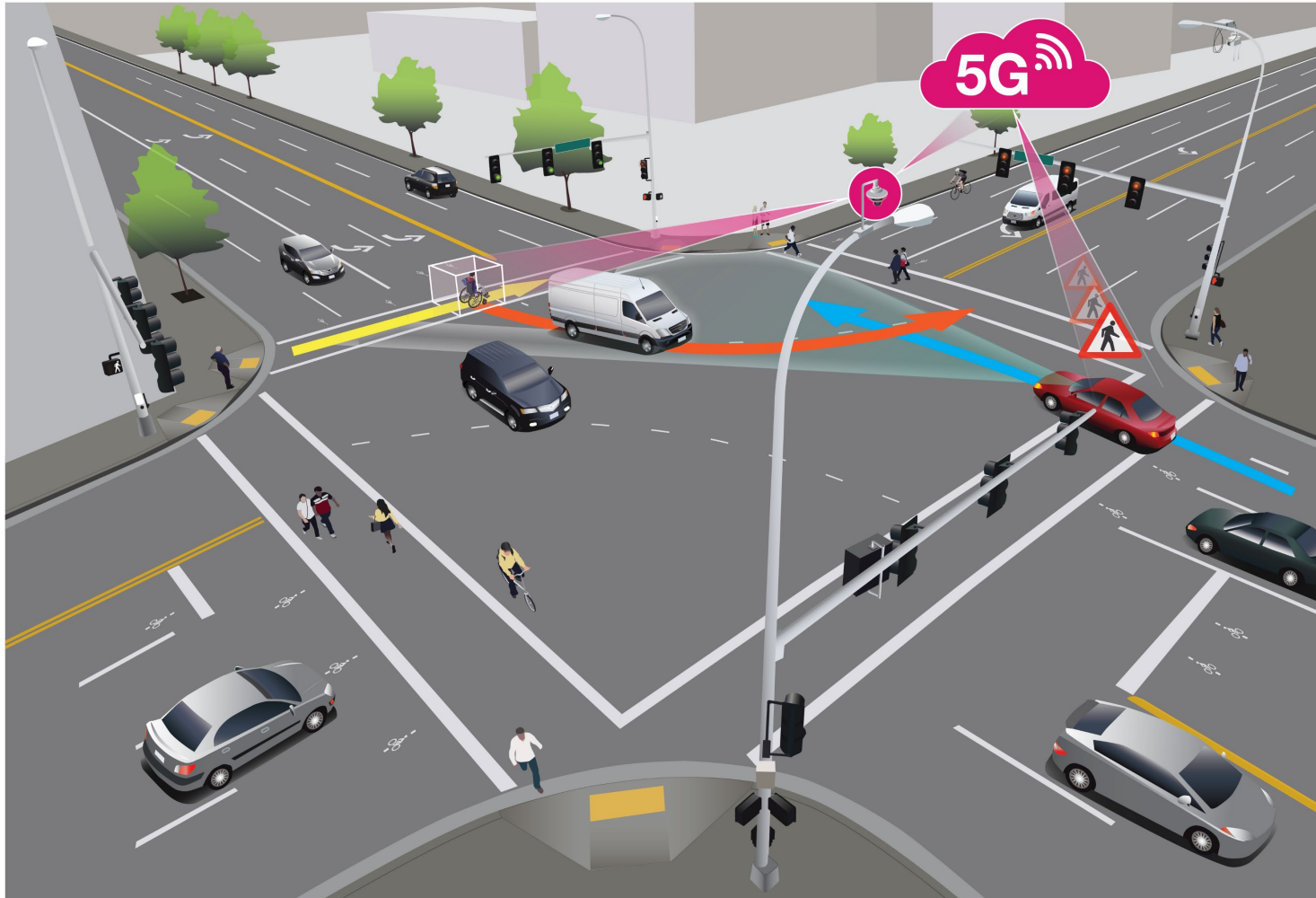
C-V2X

Cellular-Vehicle-to-Everything (C-V2X) technology enables critical safety alerts and enhanced situational awareness between drivers and the surrounding environment.

V2P
Vehicle-to-pedestrian

V2V
Vehicle-to-vehicle

V2I
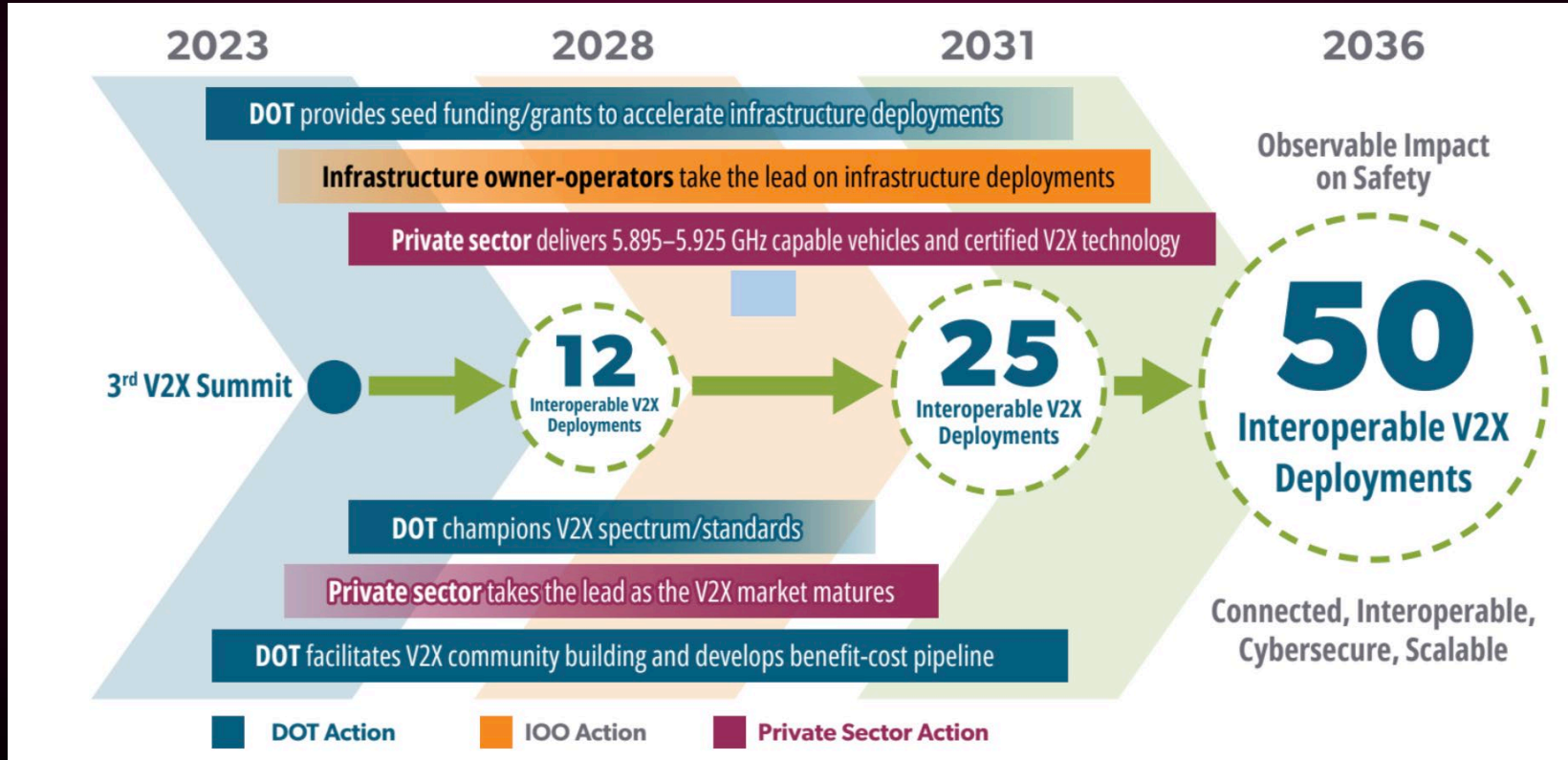Vehicle-to-infrastructure

V2N
Vehicle-to-network

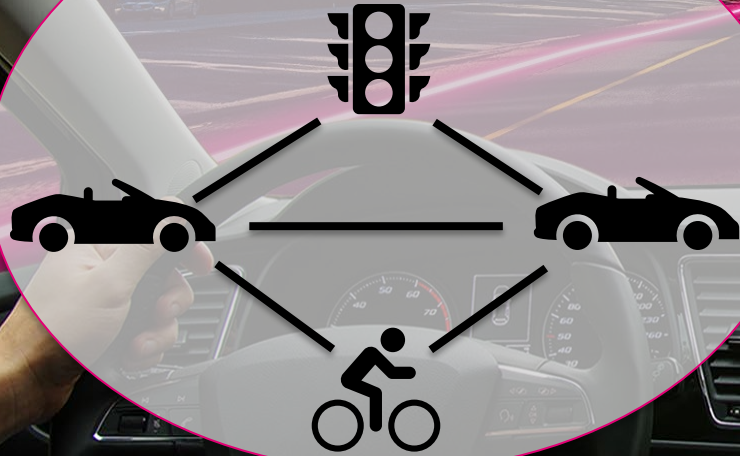City of Bellevue and T-Mobile Join Forces to Reduce Traffic-Related Fatalities - T-Mobile Newsroom
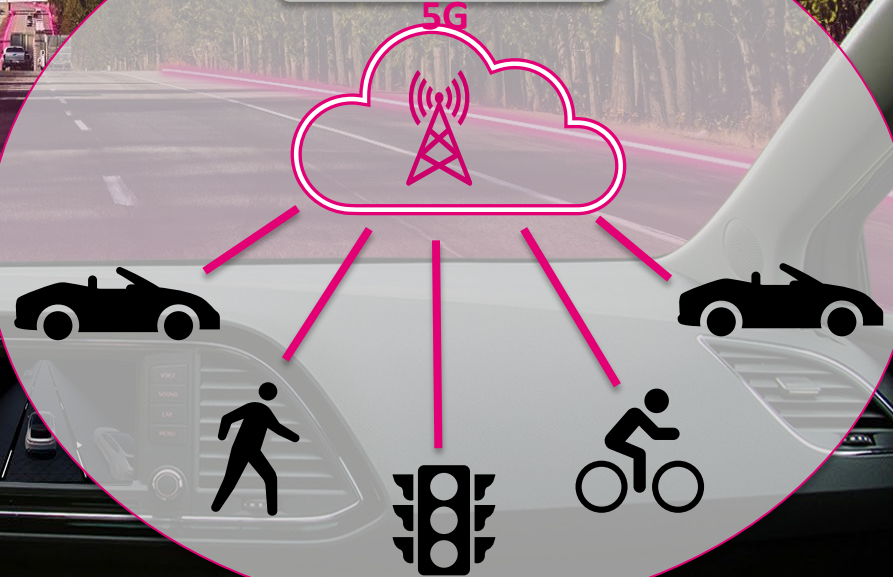
Automotive and Autonomous Product Group

T·Mobile FOR BUSINESS

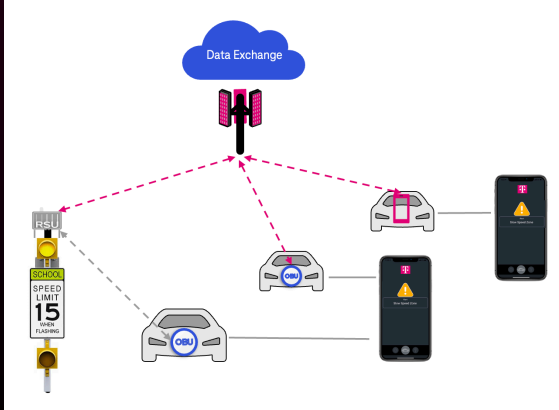# USDOT National V2X Deployment Plan

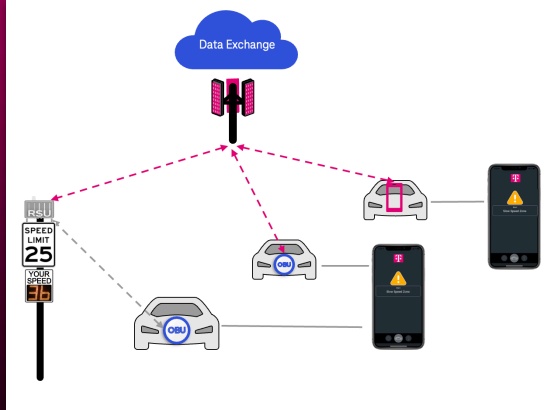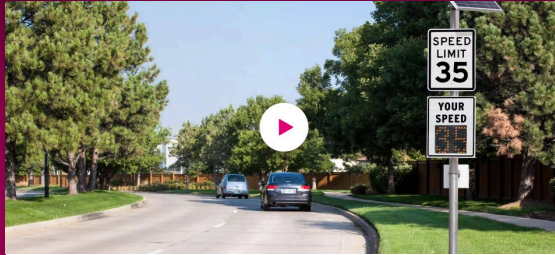Direct V2X - ITS

Network V2X – 5G

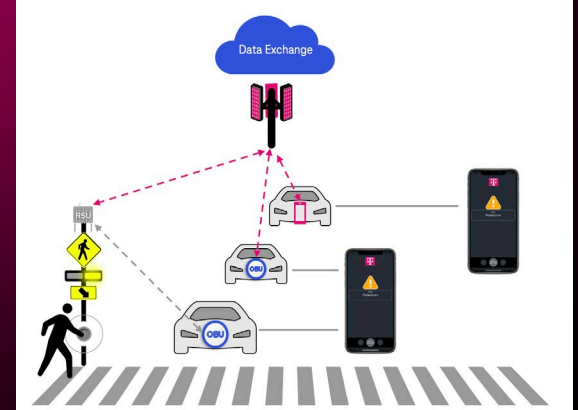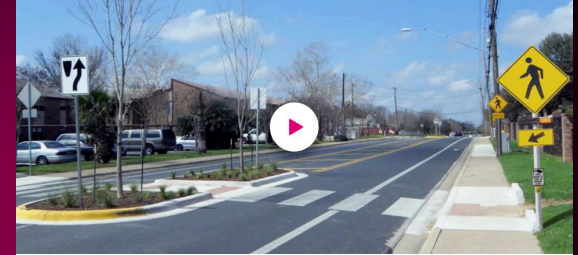# A safe system approach to protecting vulnerable road users

School Zone

Slow Speed Zone

Mid-block Pedestrian Crossing

Thank You

Kirk.Neibert@T-mobile.com

T-MOBILE FOR BUSINESS