SMART CITY

SMART STATE

ITSRM Annual Conference
September 17, 2019

Presented by:

Scott Thomas
Apex Design

Denver

Smart City Initiatives

Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD)

ATCMTD

01 Leverage Connected Vehicle (CV) Technology

Connected infrastructure benefits for congestion & safety outcomes

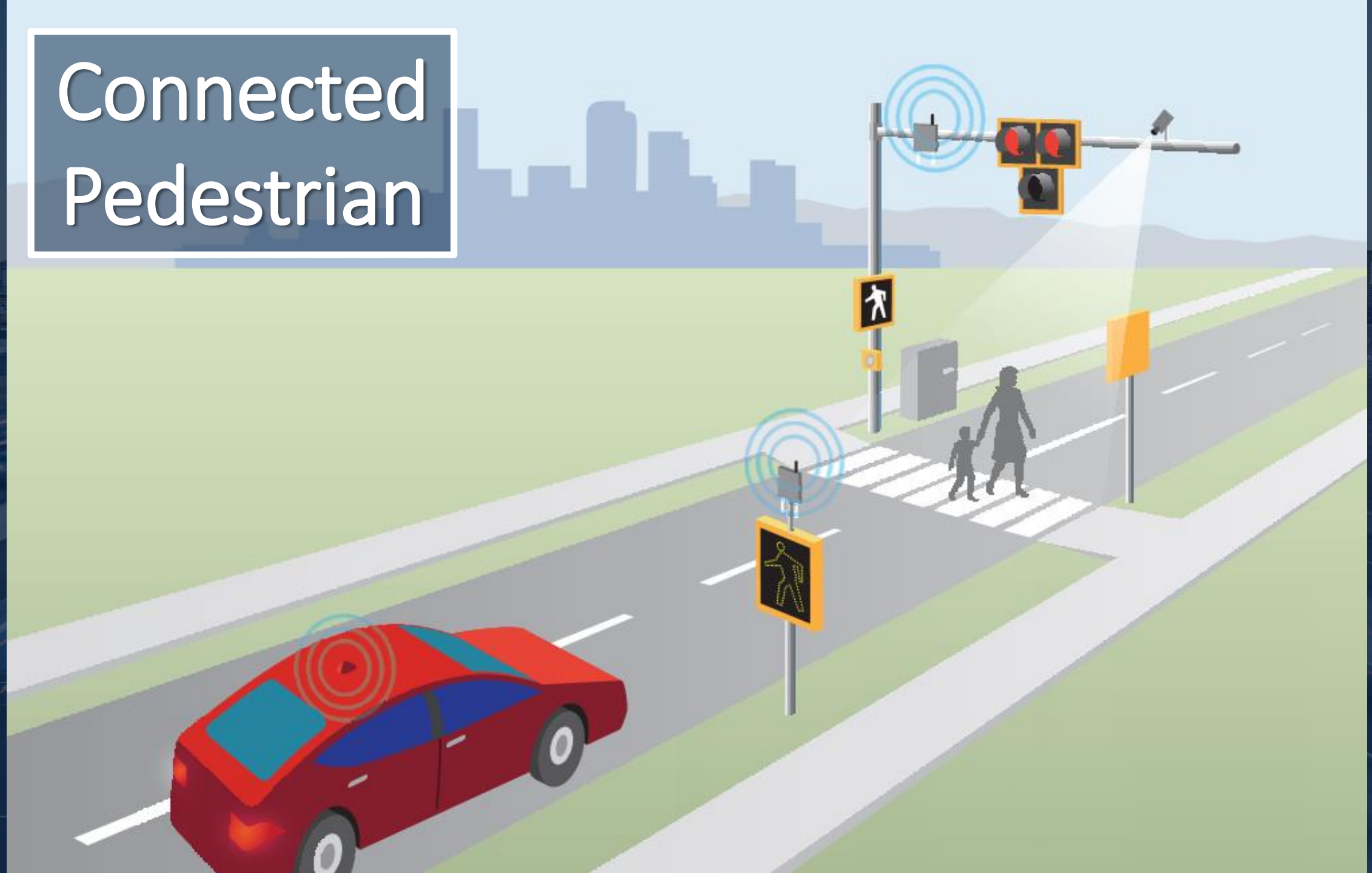
02 Open by Default

Use open source code projects & contribute back to them

03 Build Public Sector Expertise

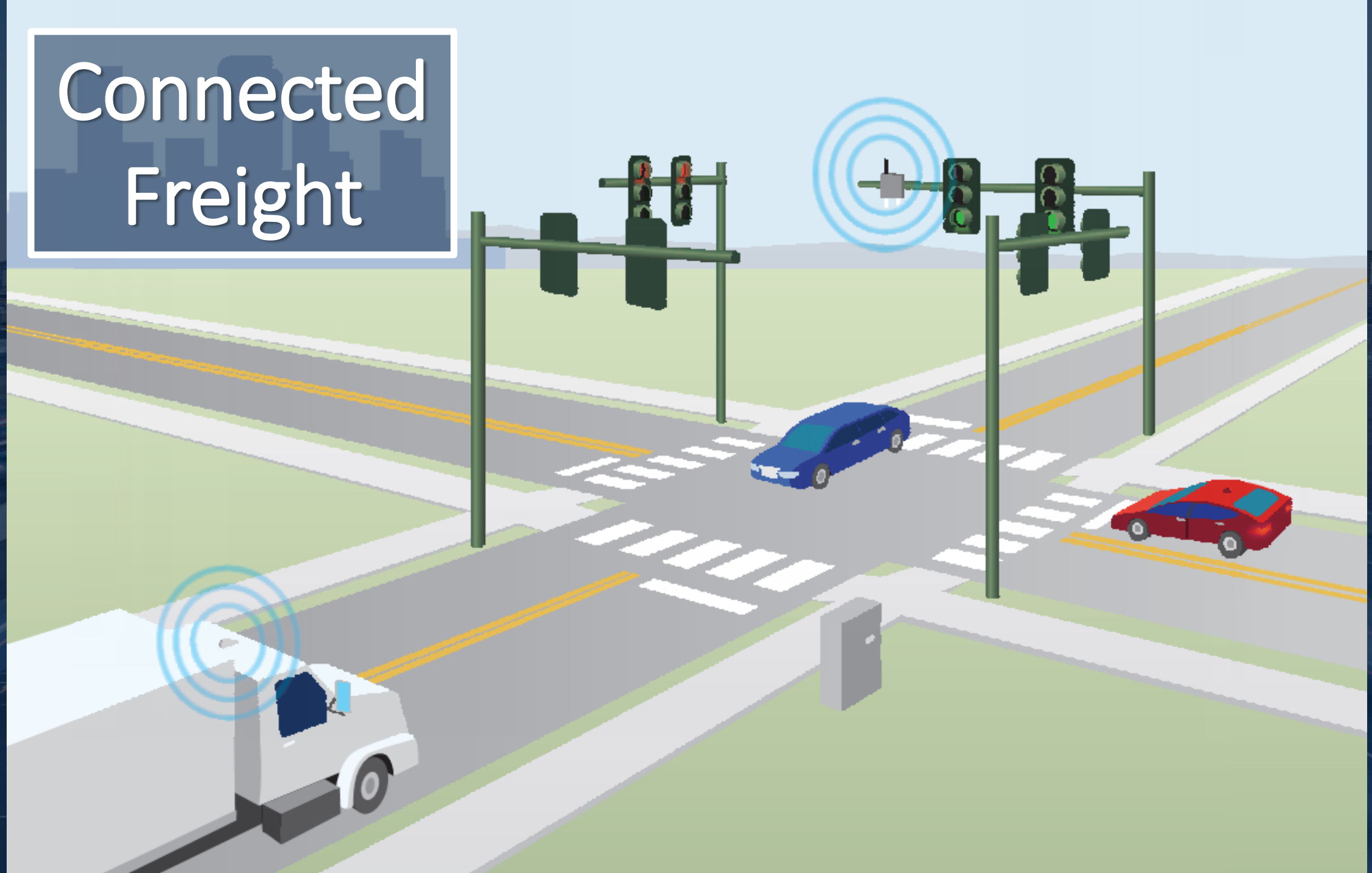
Leverage city staff expertise & build on it

Connected Pedestrian

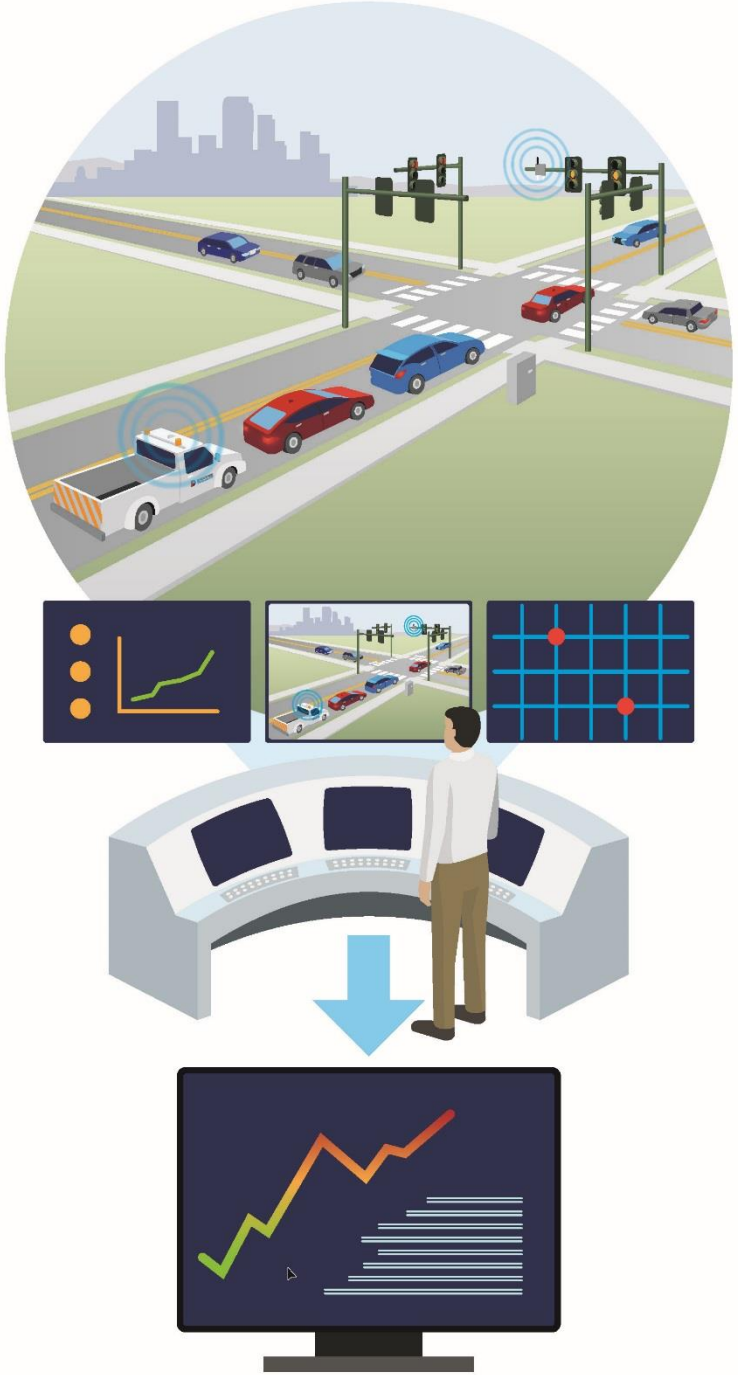


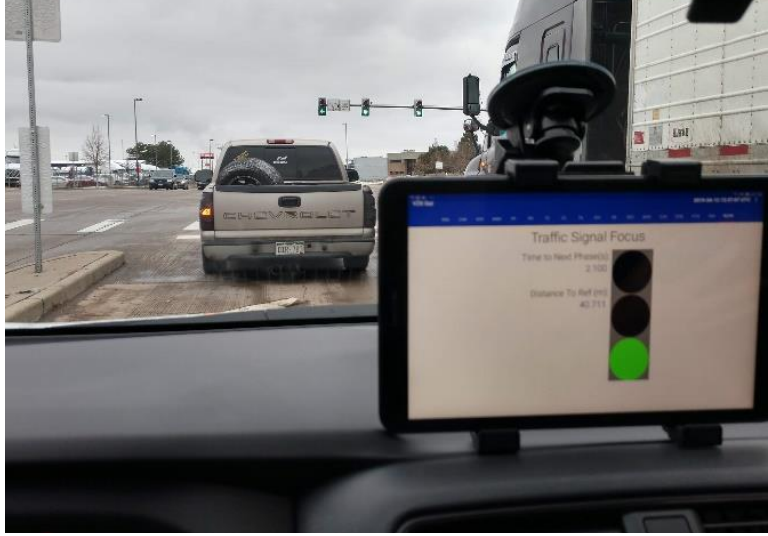
Connected Pedestrian Sign Rendering

Connected Freight



Connected TMC





Start Small

Collaborate with the Community

Be Ready to Test (a lot)

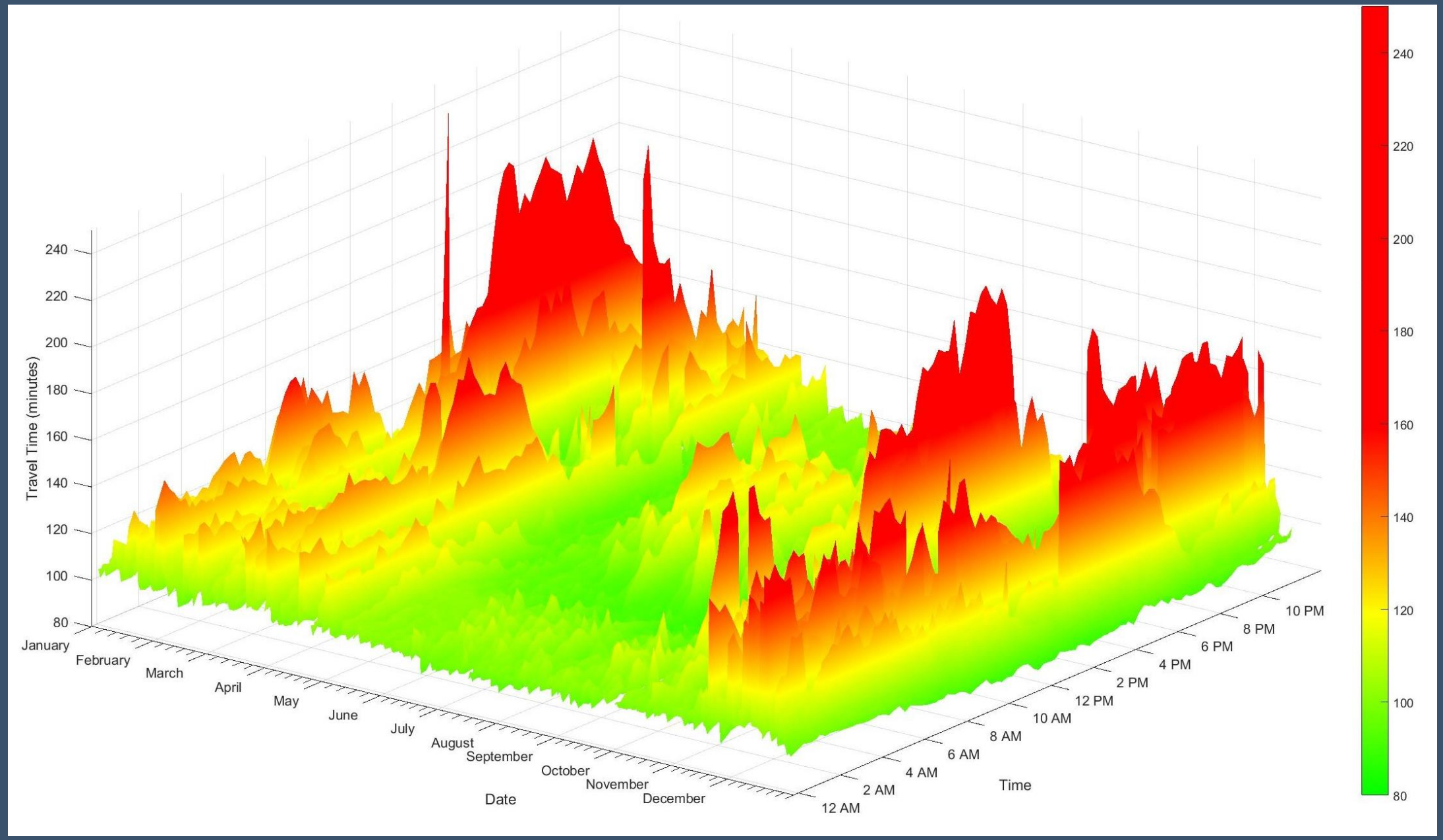
Look at internal use cases first

CDOT

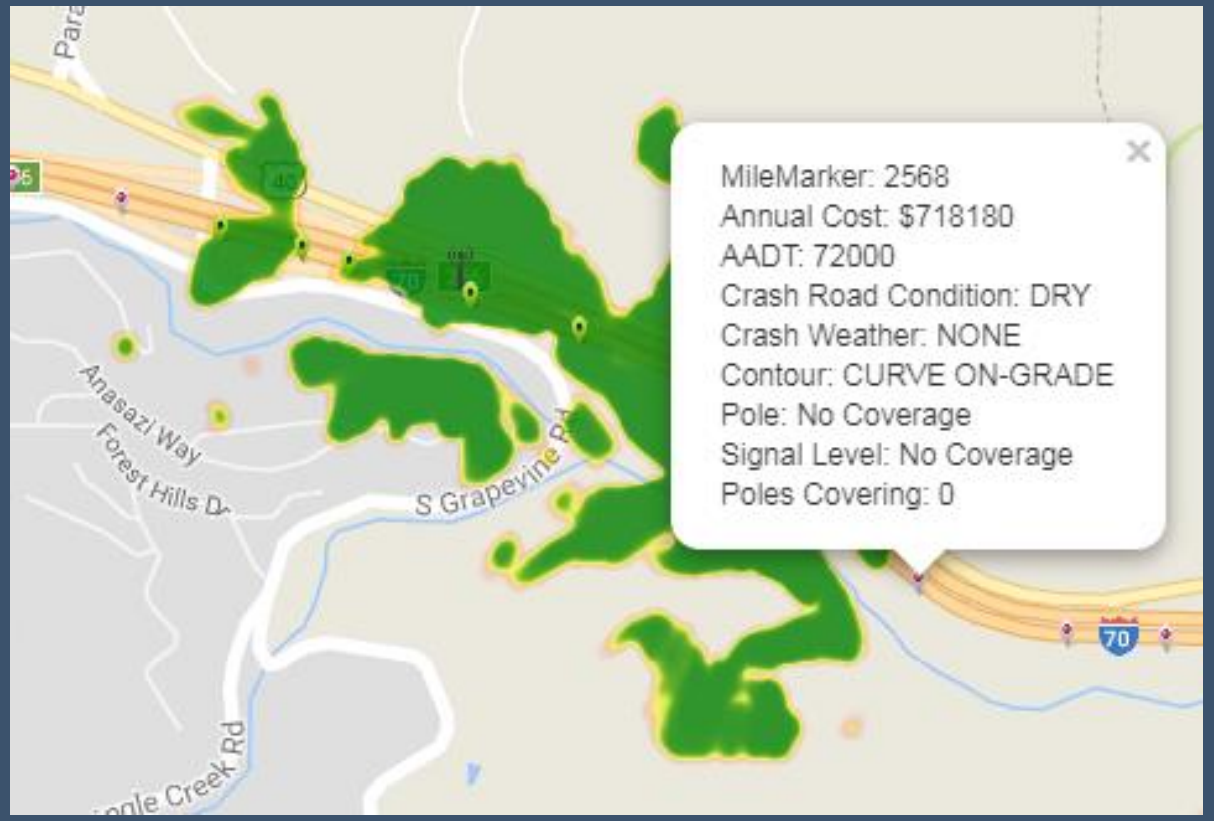
Connected Vehicle Initiative

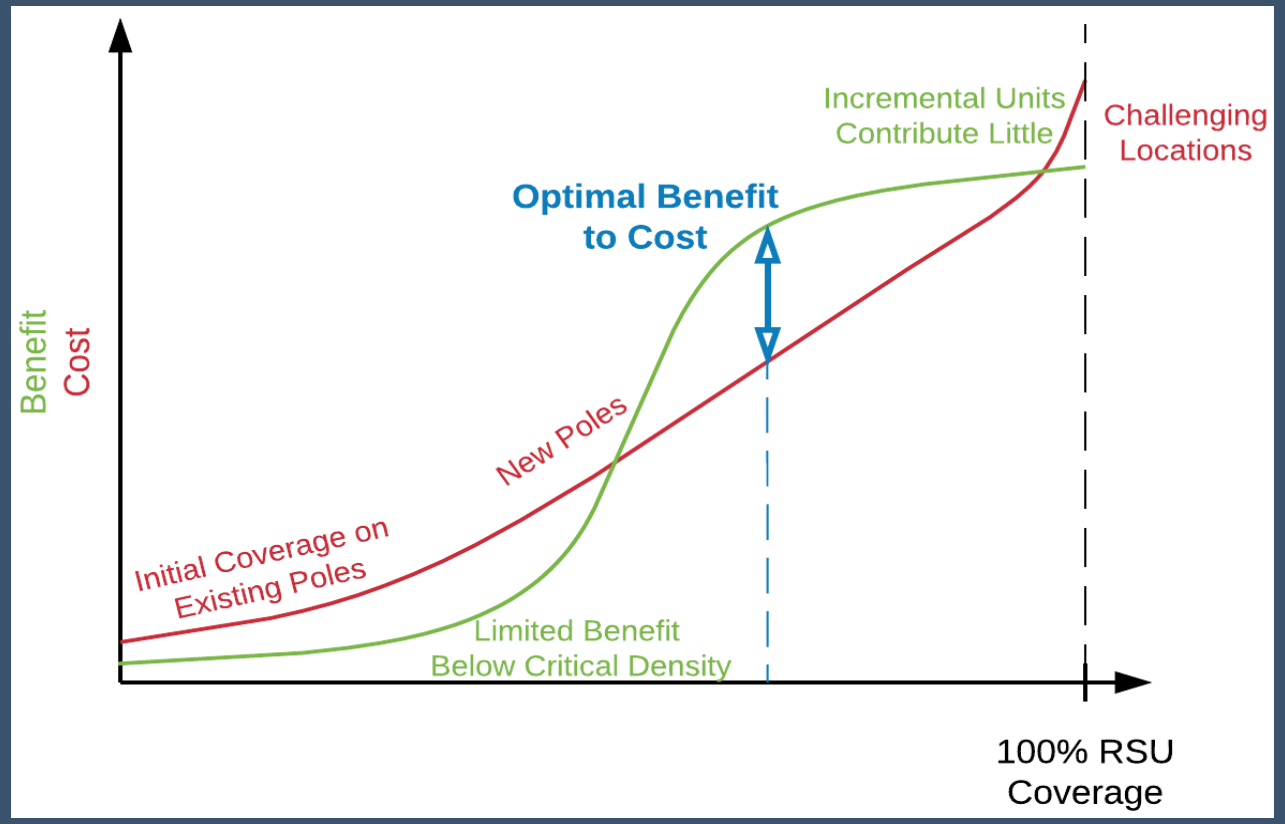
I-70 V2X Connected Vehicle Ecosystem

I-70 Mountain Corridor



RSU Optimization





01

90 Miles

I-70 from Golden to Vail

02

100 Roadside Units

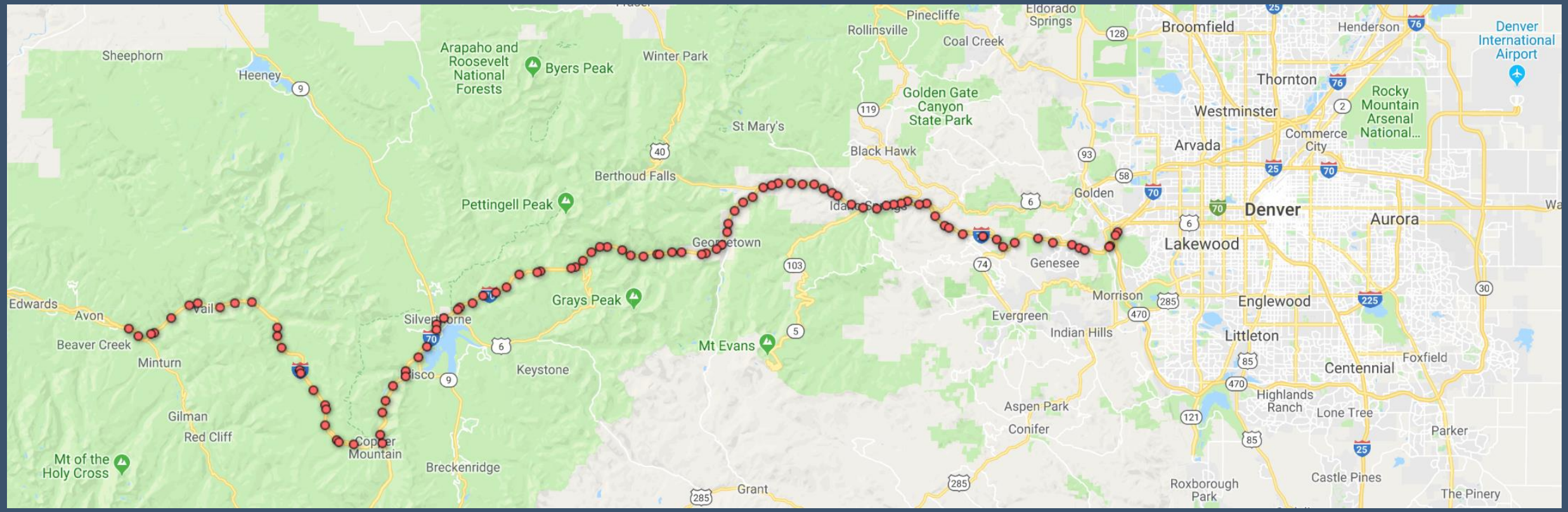
Dual DSRC and C-V2X

03

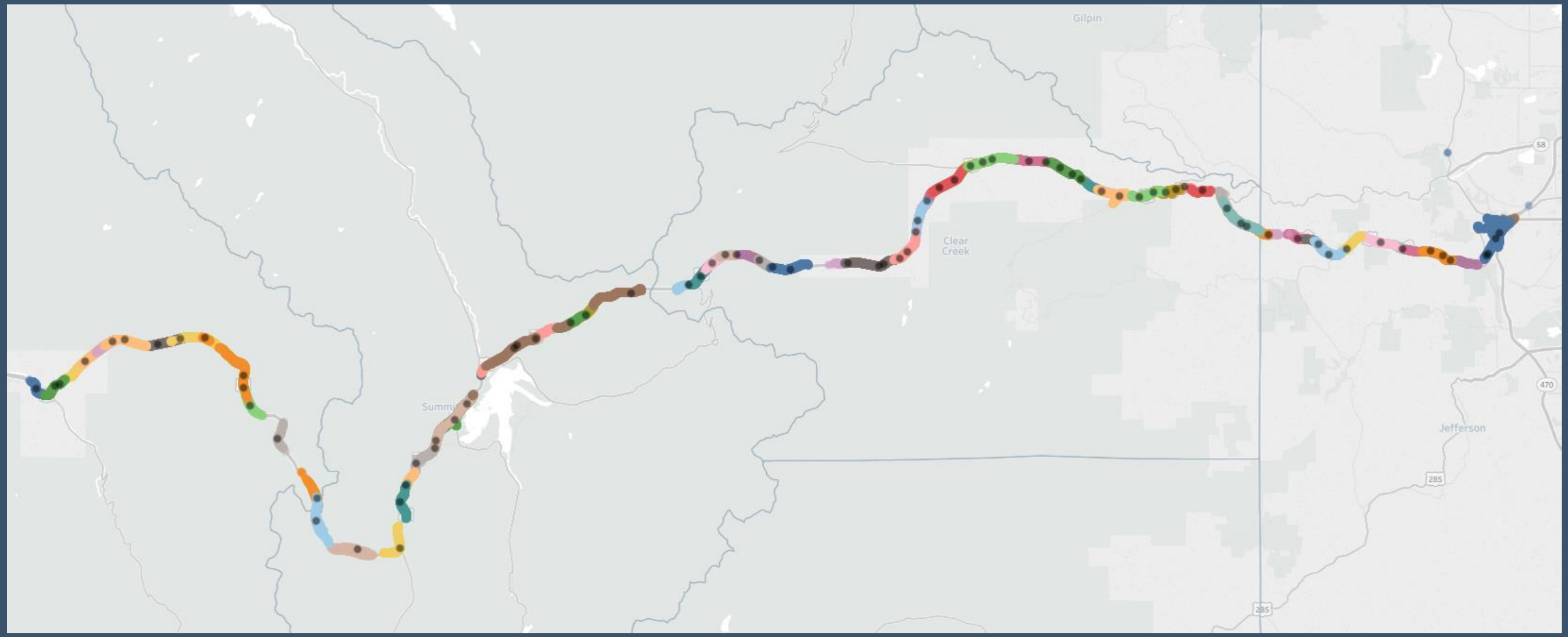
93 Vehicles Equipped

Scaling from here

RSUs Deployed

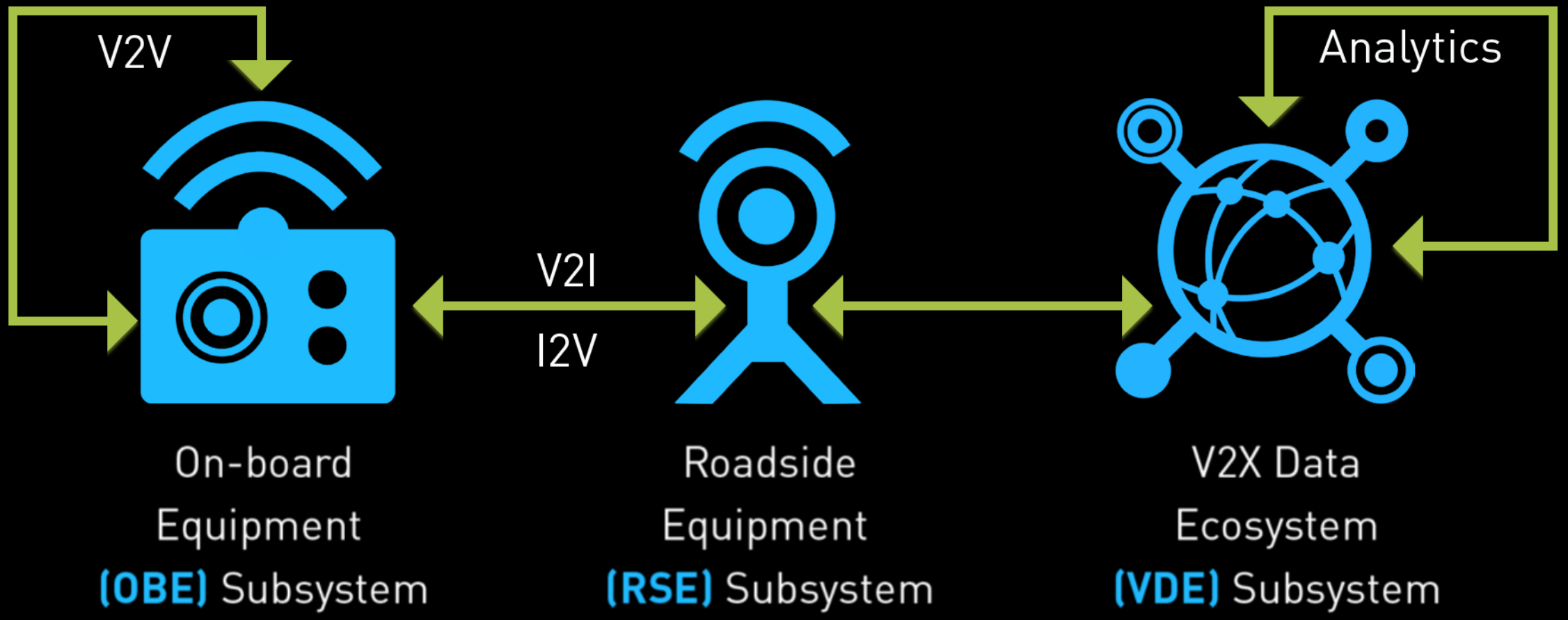


RSU Coverage



RSE & OBE

V2X System



Panasonic