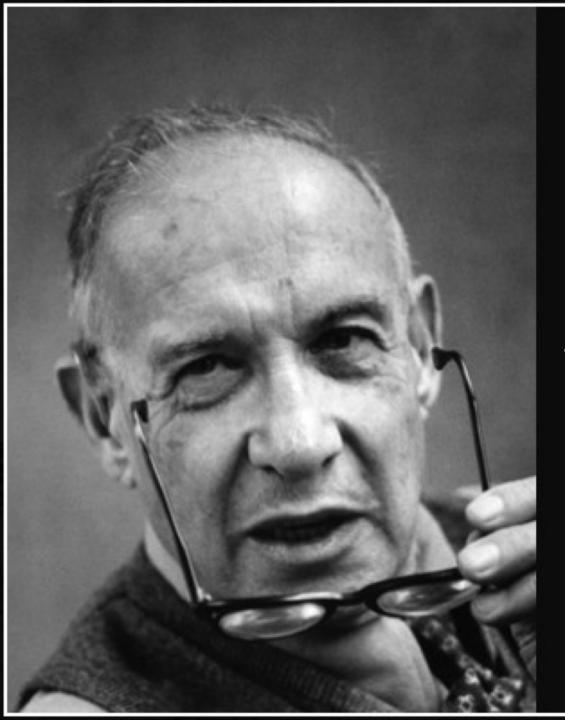
# Ongoing Implementation Initiatives Related to Cooperative Automated Transportation

16th Annual AASHTO International Day

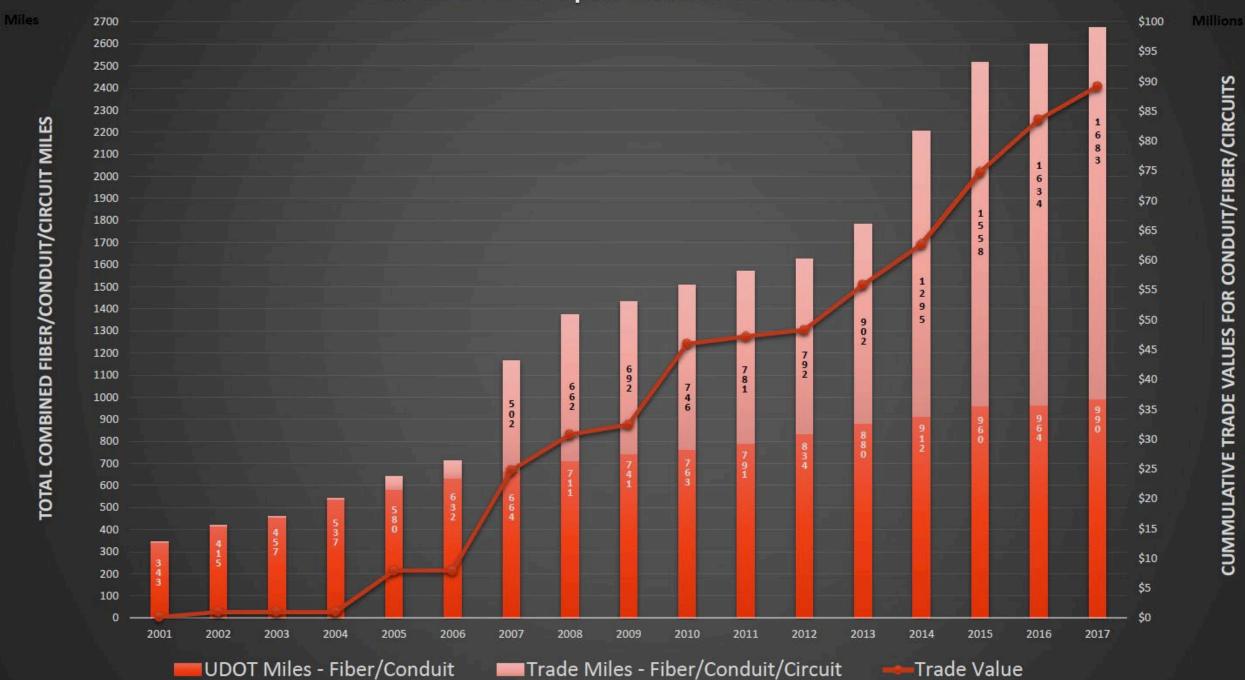
Carlos Braceras, P.E., Executive Director Utah Department of Transportation





Culture eats strategy for breakfast.

- Peter Drucker





### **Connected Transit Signal Priority**

Redwood Road (400 S. to 8020 S.)

25 intersections

Bus Request Signal Priority

- Goal: Improve transit reliability
- Operational since Nov 2017
- Schedule reliability improved
  6%

Dedicated Short Range Communication device (DSRC)





#### Provo-Orem BRT (UVX)

- 10.5-mile corridor
- 47 Intersections
- 25 Buses
- Operational December 3, 2018
- Study of effectiveness underway









### **Snow Plow Signal Priority**

- 5 corridors
- 55 Intersections
- 46 Snow Plows
- Pre-emption when plowing
- Budget: \$473,000
- Operational March 2019
- Study on Effectiveness





#### **Autonomous Vehicle Shuttle Pilot**

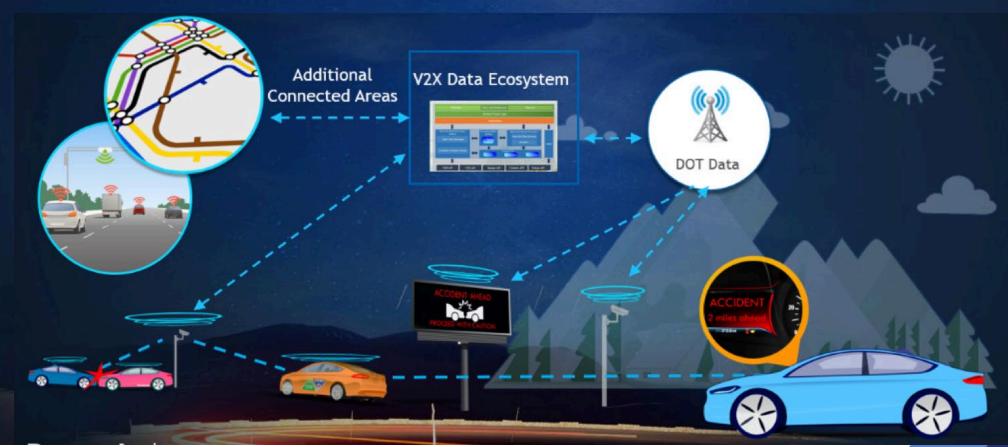
- AV shuttle deployed in several locations until March 2020
- Joint UDOT/UTA project
- Study potential uses and capabilities
- Evaluate public perception and attitudes





## Panasonic | UDOT CV Data Ecosystem Project

Advancing Connected Vehicle Technology via creation of an INTEROPERABLE Connected Vehicle (CV) <u>Ecosystem</u> leverages broad data availability and yields safety and mobility benefits soon and into the future



#### **Acoustic Fiber Sensing**

