

# The Infrastructure Owner's Perspective on Vehicle Technologies

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## MISSION

Innovating transportation solutions that strengthen Utah's economy and enhance quality of life.





# Six Trends Transforming Transportation

## - Vehicle Propulsion

- Electrification / Wireless Charging
- Hydrogen & Other Sources



## - Connected Vehicles

- Vehicle to Vehicle (V2V)
- Vehicle to Infrastructure (V2I)
- Vehicle to Other (V2X)



## - Automated Vehicles

- Partial Automation
- Full Automation (Autonomy)





# Transforming to the Changes

Infrastructure Considerations / Modifications / Adaptation

Support of Research and Evaluation

Proactively Influence Policy

Implement New Solutions





# Redwood Road Connected Vehicle Corridor

## 11-mile urban arterial corridor

- 24 DSRC-Equipped Intersections
- Three DSRC Vendors
- Two Signal Controller Vendors

## Conditional Transit Signal Priority

- Partnership with Utah Transit Authority
- Bus must be behind schedule
- Roadside unit: SPaT, MAP
- DSRC on-board bus: BSM, SRM

**First DSRC / V2I Operational Corridor in United States**



# Vehicle Electrification / Alternative Fuels

## SELECT In-Motion Charging

- Participation on SELECT Board
- Support of Research

## Alternative Fuel Corridors

- Participation in EV Program Smart Mobility
- Support of Alternative Fuel Corridors



