



Peer State DOT Review

Agenda



Other Partnerships / Cooperative Work

Demand/Need

Investments

Challenges / Opportunities

Questions / Discussion



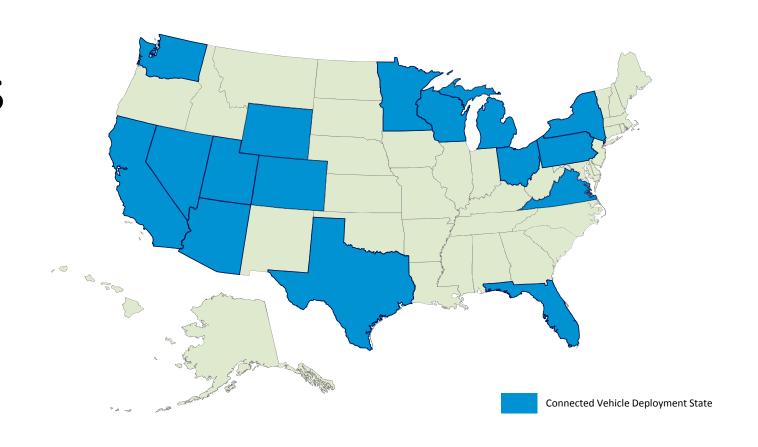
National AV Development Examples

Company	Project/Demos		Location
UBER	 Personal Auto Ride Hailing Self Driving Urban Deployment Testing for extreme heat conditions 	8 8	 ATC = Pittsburgh, PA Pittsburgh, PA Arizona
отто	 Automated Truck Retrofits Partner with Budweiser, I-25 Now Uber Freight 	PRODUCT METERS. PRODUCT METERS. Production of the control of the	 HQ = San Francisco, CA Denver, CO to CO Springs
Peloton	 Truck Platooning Partner with UDOT, I-80 Partner with CalTrans, I-505 	RIGHT SAVINGS	 HQ = Mountain View, CA Salt Lake City, UT Sacramento, CA
	 Automated Transit Partnering with the Jacksonville Trans. Autl EZ10 – Driverless Shuttle. 	hority	HQ = Denver, COJacksonville, FL

Connected Vehicle Deployments

16 States

Operational On-Road Networks



Connected Vehicle Deployments

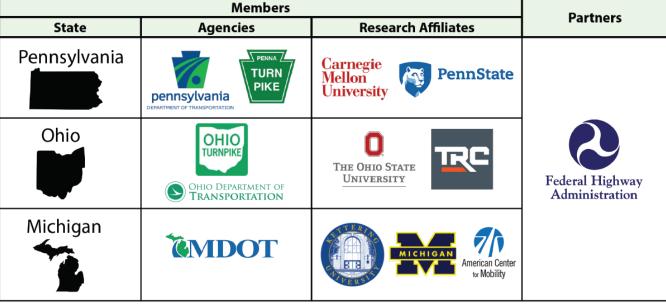
Deployment by State

State	Projects
Pennsylvania	 Harrisburg DSRC Test Bed Pittsburgh Smart Spine DSRC (ATCMTD Grant)
Ohio	 Smart City – Columbus US 33 DSRC Deployment (ATCMTD Grant)
Michigan	 SE Michigan Deployment Ann Arbor CV Test Environment Road Weather DSRC City of Detroit (ATCMTD Grant)
Virginia	I-66 DSRC Test Bed

State	Projects
West Virginia	• None
Delaware	• None
New Jersey	• None

Other Partnerships

Smart Belt Coalition





Cooperative Work





Connected Vehicle Pooled Fund Study

Program to Support the Development and Deployment of Connected Vehicle Applications

CV PFS Charter, September 2014

VEHICLE TO INFRASTRUCTURE DEPLOYMENT COALITION



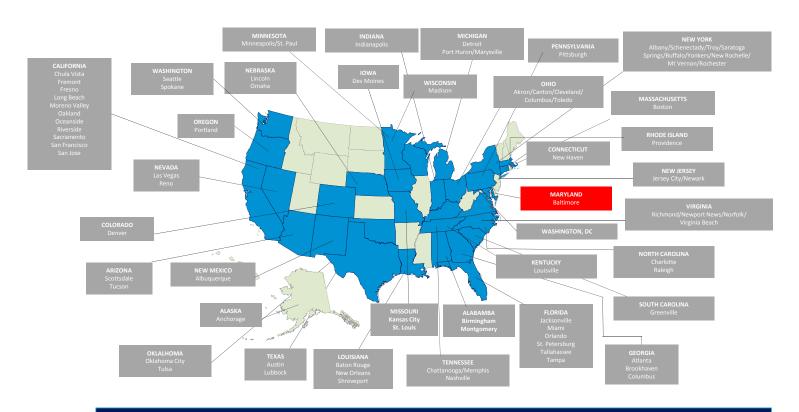








DOT Smart City Challenge



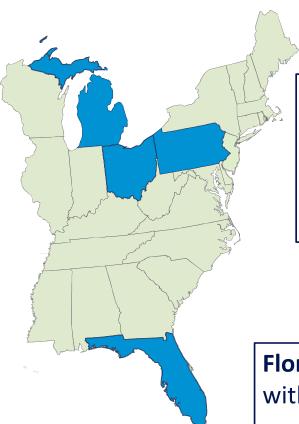
\$3.9 BILLION in Requests from 69 Smart Cities

Investment Examples

Michigan has invested over \$150 million, with \$50 million+ more planned for next 5 years

Ohio is investing \$62 million

- Smart City Challenge award
- US 33 Smart Corridor



Pennsylvania looking to invest *\$60* million

- City of Pittsburgh
- CA/AV Open End
- AV Task Force

Florida invested *over \$25 million*, with \$25 million + planned

Challenges/Opportunities for Public Agencies

- Vehicles
- Communications Networks
- Data Management
- Workforce Development
- Business Processes
- Cybersecurity
- Partnering
- Technology Advancement
- Regulatory Developments
- Financing/Business Model
- DOT Organizational Structure



Questions?





