

Portland's Smart City Challenge

Presentation to Portland City Council, May 11th, 2016

WE KEEP PORTLAND MOVING.



PBOT
PORTLAND BUREAU OF TRANSPORTATION

USDOT Smart City Challenge

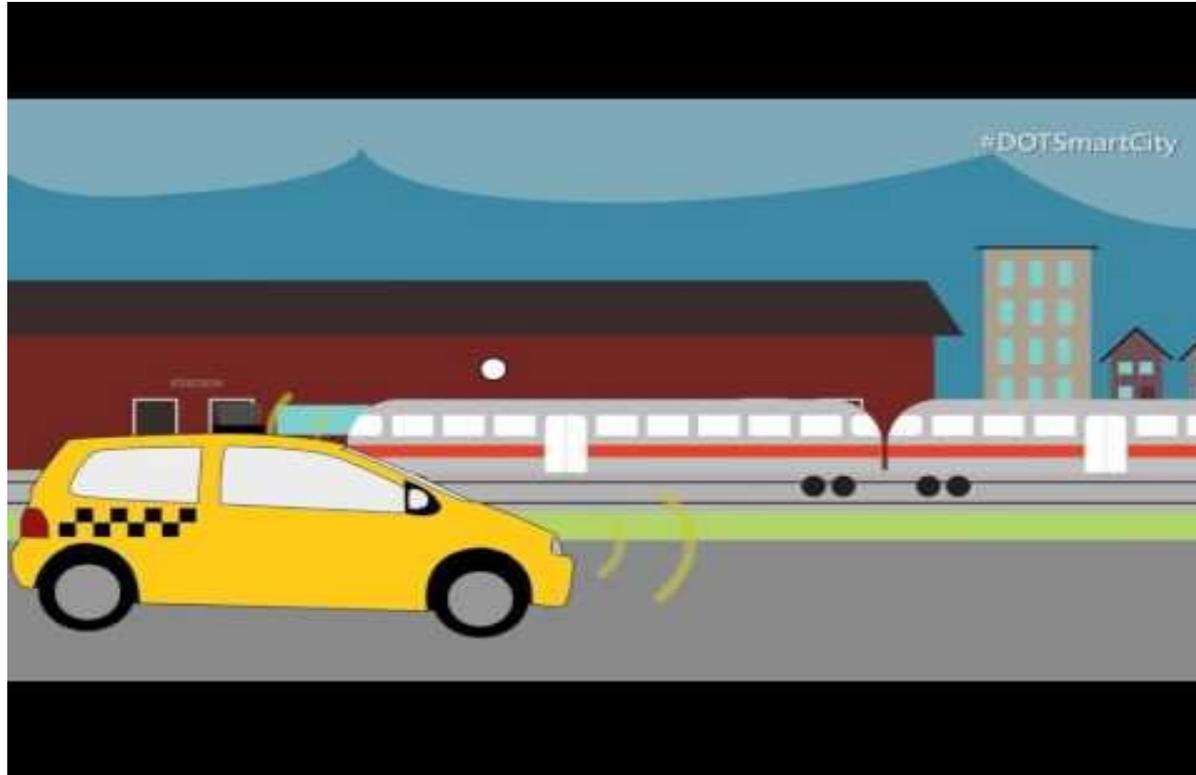
The **U.S. Department of Transportation** (USDOT) is encouraging cities to put forward their best and most creative ideas for innovatively addressing the challenges they are facing. The vision of the **Smart City Challenge** is to demonstrate and evaluate a holistic, integrated approach to improving surface transportation performance within a city and integrating this approach with other smart city domains such as public safety, public services, and energy.

The USDOT will make an award of up to **\$40 Million** for one mid-sized city that can demonstrate how advanced data and intelligent transportation systems (ITS) technologies and applications can be used to reduce congestion, keep travelers safe, protect the environment, respond to climate change, connect underserved communities, and support economic vitality.

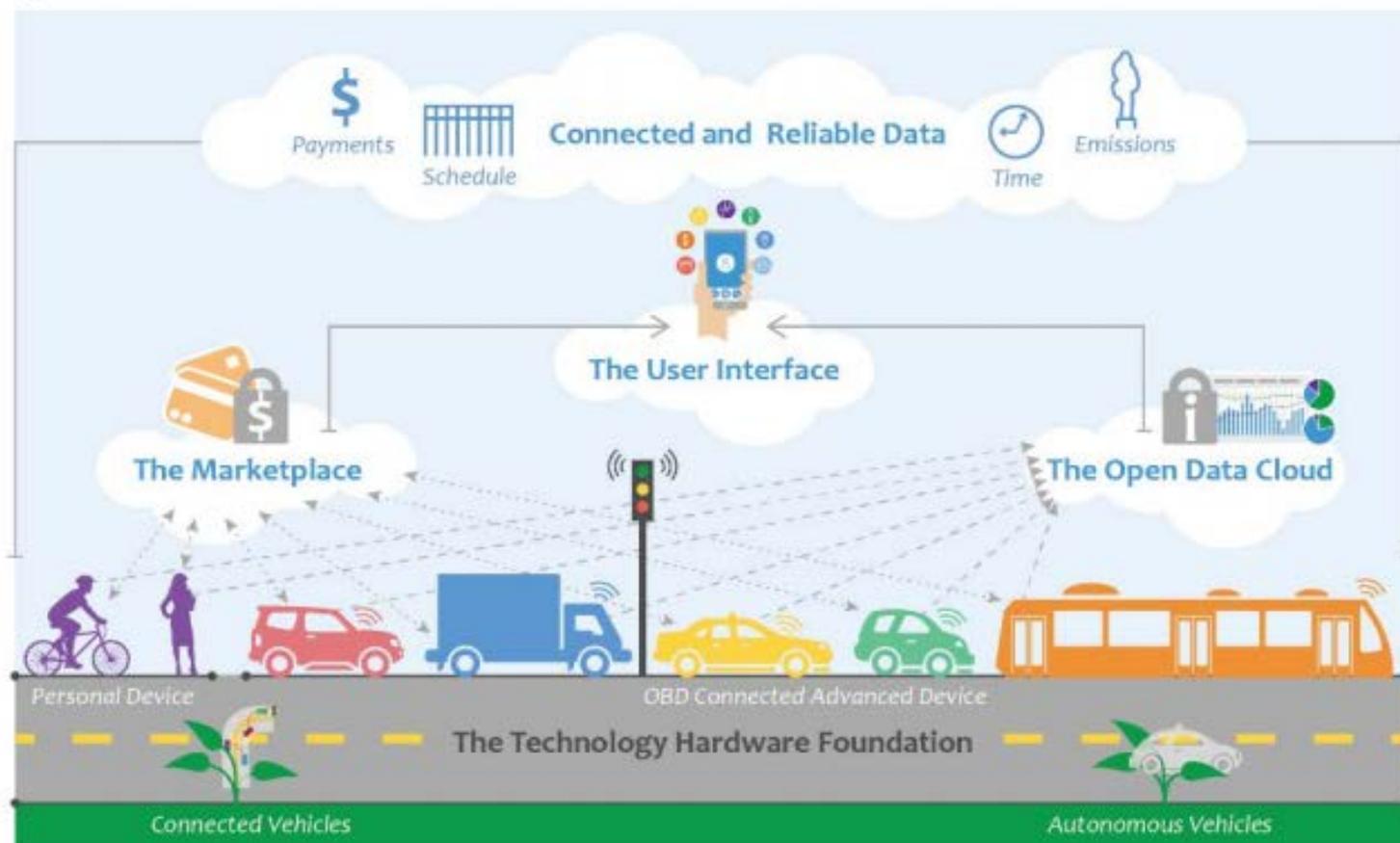


Secretary Anthony Foxx
U.S. Department of
Transportation

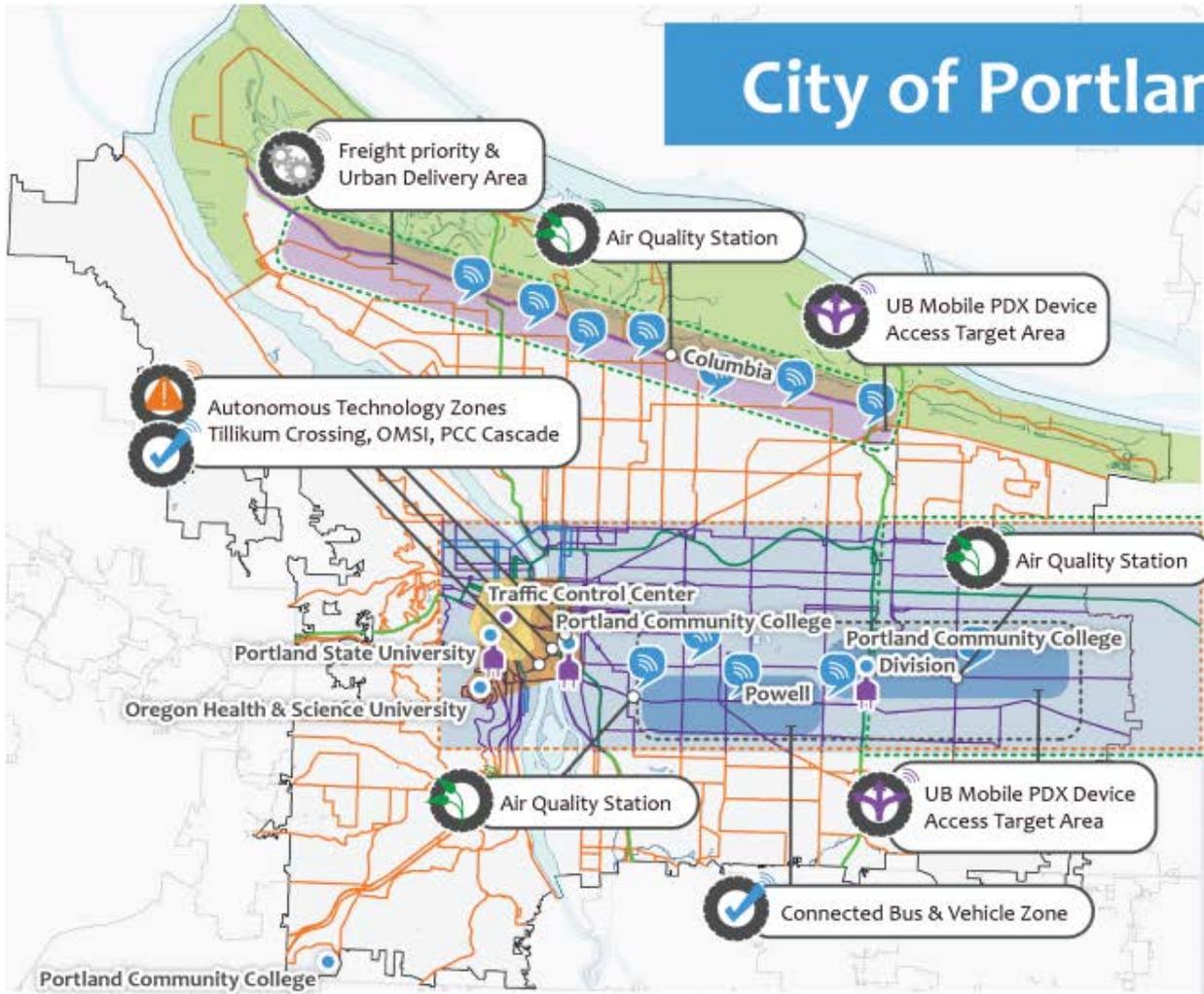
What is a Smart City?



UB Mobile PDX



City of Portland Project Area



Priority Demonstration Zones

Powell-Division Corridor Columbia Corridor



- Freight Priority Zone
- Enhanced Mobility
- Downtown
- Innovation Quadrant
- Columbia Boulevard
- Light Rail Corridor
- Bus Corridor
- Street Car Line
- Light Rail Line
- Bus Line
- Dedicated Short Range Communications (DSRC) at each corridor signal
- Electric Vehicle Charging Location
- Copper and Fiber Optic Communication Network
- Future Wireless Systems to Expand Communication
- Car & Ridesharing Focus
- Traffic Control Center
- Major Educational Institutions & Partnering Opportunities

Timeline

May 16th – Smart City Tech Expo at OMSI

May 18th – USDOT Secretary Anthony Foxx in Portland

May 24th – Application due

June 8th/9th – Presentation to USDOT in Washington DC

Late June – Mid July – Anticipated decision