Advanced Transportation Technologies

- **Autonomous, Connected, Electric and Shared (ACES)**
- Faster, more frequent, flexible public transportation options
- The Mobility Internet
ITS Master Plan Update

- Connected Vehicles
- Autonomous Vehicles
- Mobile Applications
- Third Party Data Applications
- Electrification
- Shared-use Mobility
- Data Sharing
- Cloud-computing/Applications
- Data Analytics
- Smart Information Kiosks
Elements of a City Transportation Technology Plan

Augment Transit.
Transportation Technology Manager 90-Day Report

Electric Vehicle Technology

EV CHARGING INFRASTRUCTURE

ELECTRIC VEHICLE FLEET
Transportation Technology Manager 90-Day Report

Shared Vehicle Services

MOBILITY HUBS

DYNAMIC AND ELECTRIC VANPOOLS

ELECTRIC CAR SHARE AND RIDE SHARE
Governor Inslee’s Autonomous Vehicle Executive Order
Waymo’s Electric Autonomous Van Test
All-electric Metro buses
Federal INFRA USDOT Grant Opportunity

- Approximately $1.5 billion is available in FY2017-2018
- Rolls two years of FASTLANE funding into a one year INFRA grant funding
- USDOT will prioritize projects that maximize state, local and private sector funding
- Projects that incorporate private sector contributions will be more competitive
- INFRA will prioritize projects that “address congestion in major urban areas”
- Other objectives include “reducing traffic fatalities, eliminating bottlenecks, improving connections to the transportation network and reducing barriers between workers and employment centers.”
- INFRA grants may be used for up to 60% of future eligible project costs
- Allows for a network of projects that address the same transportation problem
- Minimum project size is $100 million
- Incentives for innovative approaches to safety, environmental review, economic vitality:
- Process opens on August 1, applications are due November 2, 2017