INNOVATIONS IN TRANSPORTATION AND TECHNOLOGY:

County Leadership Peer Exchange

May 4-5, 2017 Allegheny County Pittsburgh, PA.



Cheng Yan, Transportation Specialist FHWA Office of Planning





DOT Smart City Challenge

1,400

local officials, companies, academics and nonprofits joined our webinars

800

people participated in our Smart City Forum

300

companies have expressed interest in partnering

78

applications

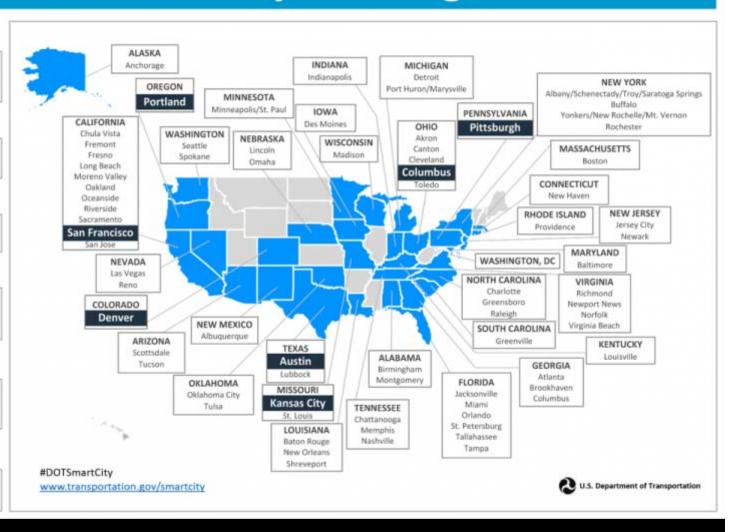
received for the Smart City Challenge

Smart City

Challenge Finalists announced in March at SXSW

Smart City

Challenge Winner announced in June

















Columbus, OH



Similar Challenges



Smart City Challenge

- Other award recipients: Pittsburgh, San Francisco, Denver and Portland.
- At U.S. DOT, we expect Columbus and all seven finalists – to serve as models for cities looking to become smarter.
- Share best practices to help other cities across
 America replicate their successes
- https://cms.dot.gov/smartcity

Federal Funding

- General eligibility
 - o Connected Autonomous Vehicle deployments are eligible for Federal aid funding where eligibility for ITS investments have been previously established
- Grants
 - o https://www.transportation.gov/grants
 - ohttps://www.grants.gov/

Planning for Future





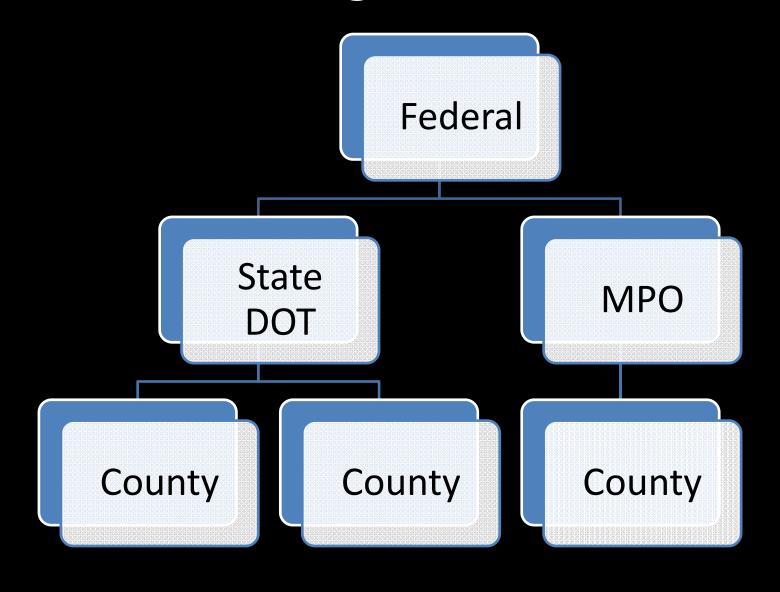








Funding Structure

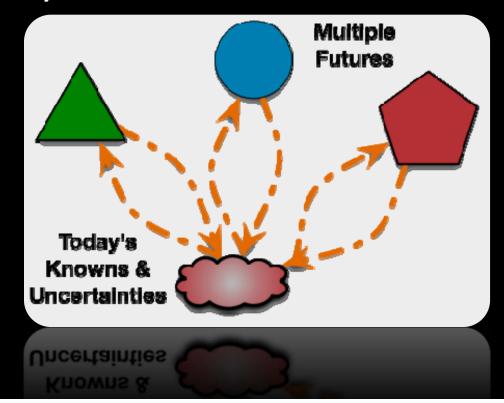




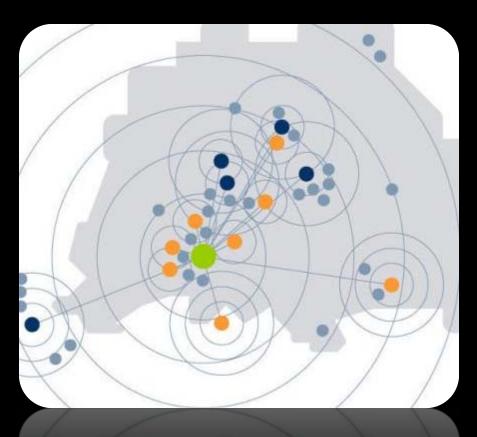
Requiring use of an objectives-driven,
 performance-based approach in planning



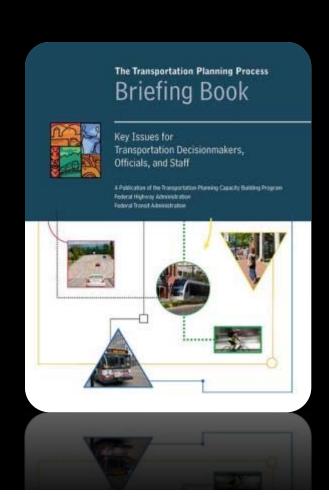
 Voluntary Scenario Planning tests various future alternatives that meet state and community needs



 Regional Models of Cooperation and Megaregions – Multi-Jurisdictional Planning



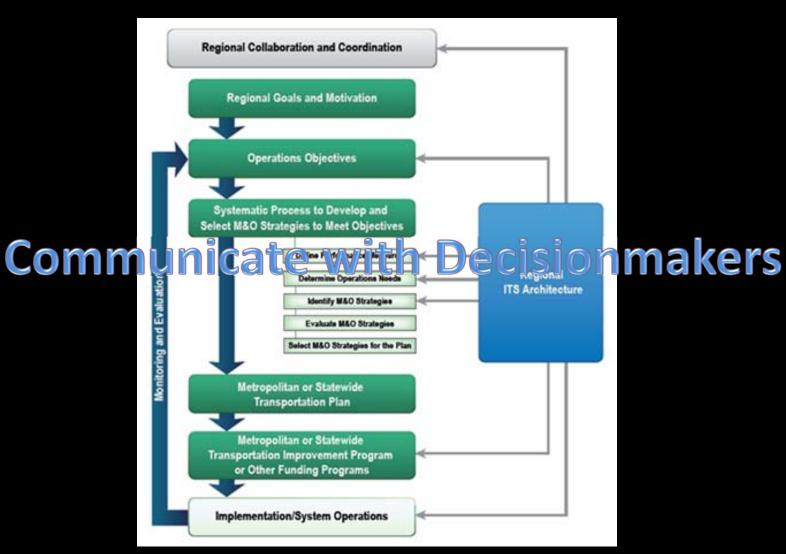
- Long-range visioning
- Statewide/Metropolitan Transportation Plan
- Transportation Improvement Program
- Short-range transportation plan
- Congestion management plan
- Asset management plan
- ITS and operations plan
- ITS Architecture
- State implementation plan
- Strategic Highway Safety Plan
- Highway Safety Improvement Program
- Transit development plan
- Transportation demand management plan
- Non-motorized (bicycle and pedestrian) plan
- Corridor studies (modal or multimodal)
- Public participation/involvement plan
- Freight plans
- Financing plans



- Involve with the Plan development process
 - Transportation Plans guide decision-making and investments
 - Start including the infrastructure, data, etc. that regions will need to support CV
 - CV will support performance-based planning

Communicate with Decisionmakers

Integrating Operations into Planning and Programming



Resources

Office of the Assistant Secretary for Research and Technology Intelligent Transportation Systems
Joint Program Office









- FHWA ITS/JPO
- Planning Peer Exchange Program
- Scenario Planning Workshops
- Planning for C/AV website (under construction)
- FHWA C/AV Vision Statement (underway)

