

CITY OF MINNEAPOLIS & METRO TRANSIT

# USDOT Smart City Challenge

<https://www.transportation.gov/smartcity>



# USDOT Smart City Challenge - Highlights

- Open to medium sized cities (200,000 to 850,000)
- Five finalists will receive \$100,000 each to develop detailed proposals
- One winner will receive \$40 million to implement vision
  - Funding spread over 2016, 2017, 2018
  - No local match required
  - Winner may also receive private resources for system-wide bus safety technology and up to \$10 million in private funds for electric vehicles



# USDOT Smart City Challenge - Goals

- Implement innovative technology and partnership to:
  - Improve safety
  - Enhance mobility
  - Address climate change



# USDOT Smart City Challenge – Vision Elements

- Proposals should incorporate 12 specific Vision Elements (handout) reflecting existing USDOT priorities:
  - Urban Automation
  - Connected Vehicles
  - Intelligent, Sensor-Based Infrastructure
  
  - Urban Analytics
  - User-Focused Mobility Services and Choices
  - Urban Delivery and Logistics
  - Strategic Business Models and Partnering Opportunities
  - Smart Grid, Roadway Electrification, and Electric Vehicles
  - Connected, Involved Citizens
  
  - Architecture and Standards
  - Low-Cost, Efficient, Secure, and Resilient Information and Communications Technology
  - Smart Land Use



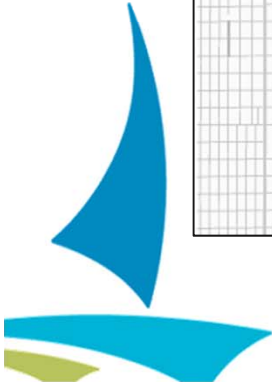
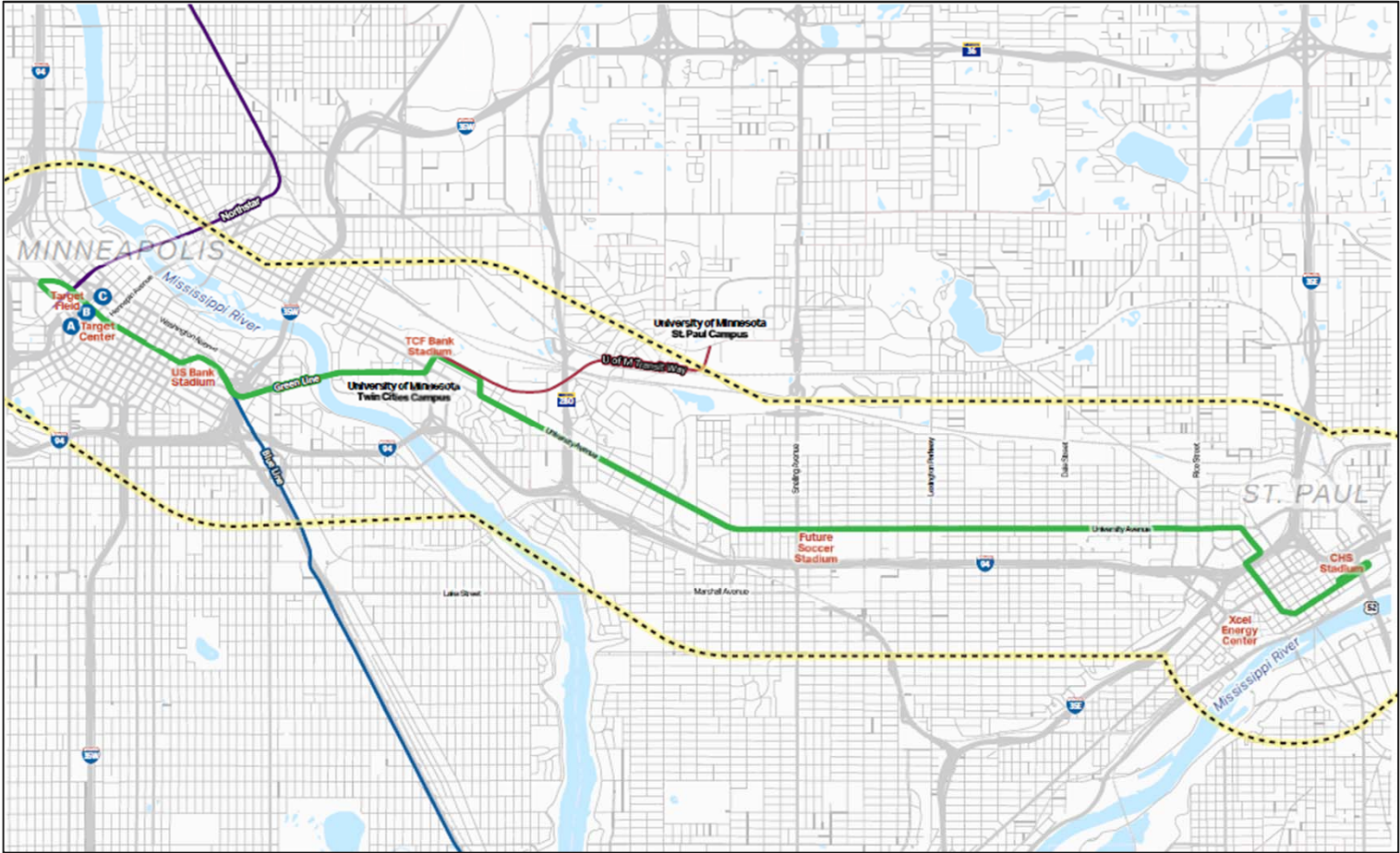
# USDOT Smart City Challenge - Partners

- City of Minneapolis
- City of Saint Paul
- Metro Transit / Metropolitan Council
- Minnesota Department of Transportation
- University of Minnesota
- Nice Ride Minnesota
- Transit for Livable Communities
- McKnight Foundation
- Shared Use Mobility Center

➤ Demonstrate integrated Vision Elements that can be scalable to our region and other cities



# USDOT Smart City Challenge – Proposal Area

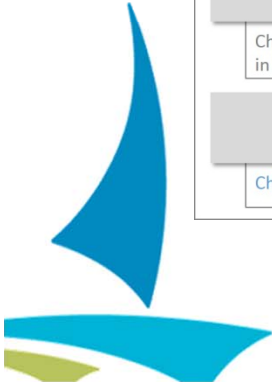
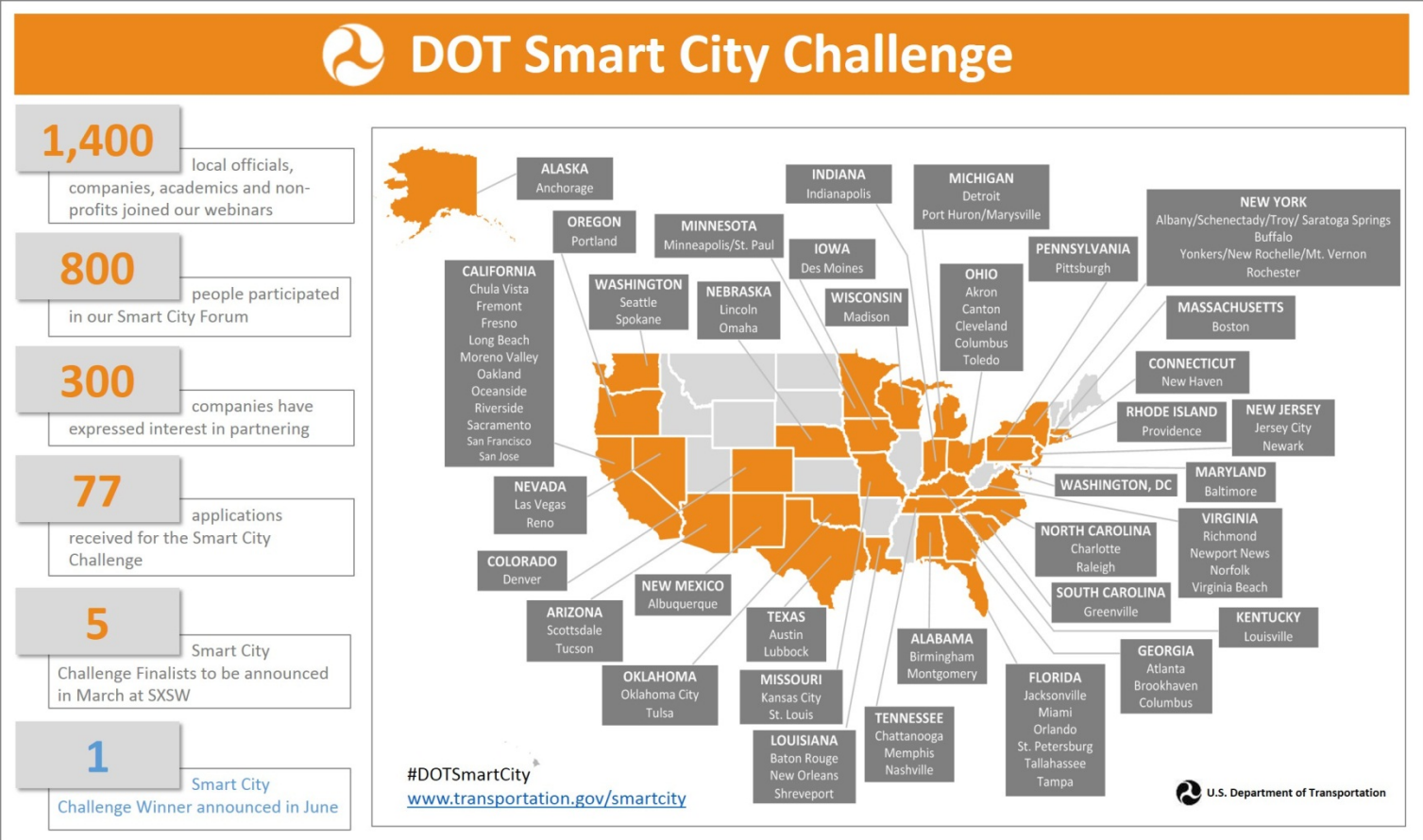


# USDOT Smart City Challenge - Timeline

Estimated Date	Action
February 4, 2016	Applications Due ( <b>Minneapolis submitted</b> )
March 2016	Selected Smart City Challenge Finalists Announced ( <b>March 12</b> )
March 2016	Awards Issued to Smart City Challenge Finalists
March 2016	The USDOT Solicits Applications from Finalists for Smart City Challenge Implementation
May 2016	Applications Due from Finalists
June 2016	Selected Smart City Challenge Implementation Awardee Announced



# USDOT Smart City Challenge – Feb 8 Press Release - 77 Cities





# USDOT Smart City Challenge – Feb 8 Press Release Statements

- The competition seeks to create an innovative, fully integrated model city that uses data, technology and creativity to shape how people and goods move in the future.
- The winning city will be awarded up to \$40 million from USDOT to implement bold, data-driven ideas that make transportation safer, easier, and more reliable.
- USDOT is looking at how to integrate multiple innovations such as automated vehicles, the sharing economy and other technologies into a network that connects people to their intelligent transportation system.
- The *Beyond Traffic* draft report reveals that our nation's aging infrastructure is not equipped to deal with a dramatically growing population in regions throughout the country and identifies a need to increase mobility options in developing megaregions – and specifically, that this will be especially challenging for mid-side cities.



# USDOT Smart City Challenge – Next Steps

- Application submitted with 18 support letters
- If proposal is selected for the next phase:
  - Existing partners will come together
  - Identify additional and needed partners (local to international)
  - Engage the transportation-related private sector
  - Develop detailed plans for innovative transportation solutions



Questions?

