



Live from Austin, Texas

## Vision for a 21st Century Mobility System

*Beyond Traffic: The Smart City Challenge*



# The Opportunity

## U.S. Department of Transportation (USDOT)

### Beyond Traffic: The Smart City Challenge

Up to **\$40 Million (+\$10 M)** for one Mid-Sized City  
Challenge: Conduct a Smart City Demonstration



The USDOT is **encouraging cities to put forward their best and most creative ideas for innovatively addressing the challenges they are facing.**

Address how **emerging transportation data, technologies, and applications** can be integrated with existing systems in a city to address transportation challenges.

The USDOT seeks **bold and innovative ideas** for proposed demonstrations to effectively **test, evaluate, and demonstrate** the significant benefits of smart city concepts.

# Background

## USDOT *Beyond Traffic 2045: Trends and Choices*, 2015

Examines the long-term and emerging **trends affecting our Nation's transportation system** and the implications of those trends.

Considers **current and future impacts** of demographic and economic trends, changes in technology, governance, and our **climate**.

Outlines **choices** that will require **cities** to think differently about:

- how we move people,
- how we move things,
- how we move better,
- how we adapt,
- how we align decisions and dollars



# USDOT Expected Outcomes

## Smart City Challenge



**Improve Safety** – By using **advanced technologies**, including connected vehicle technologies, to reduce the number of **collisions, fatalities, and injuries**.

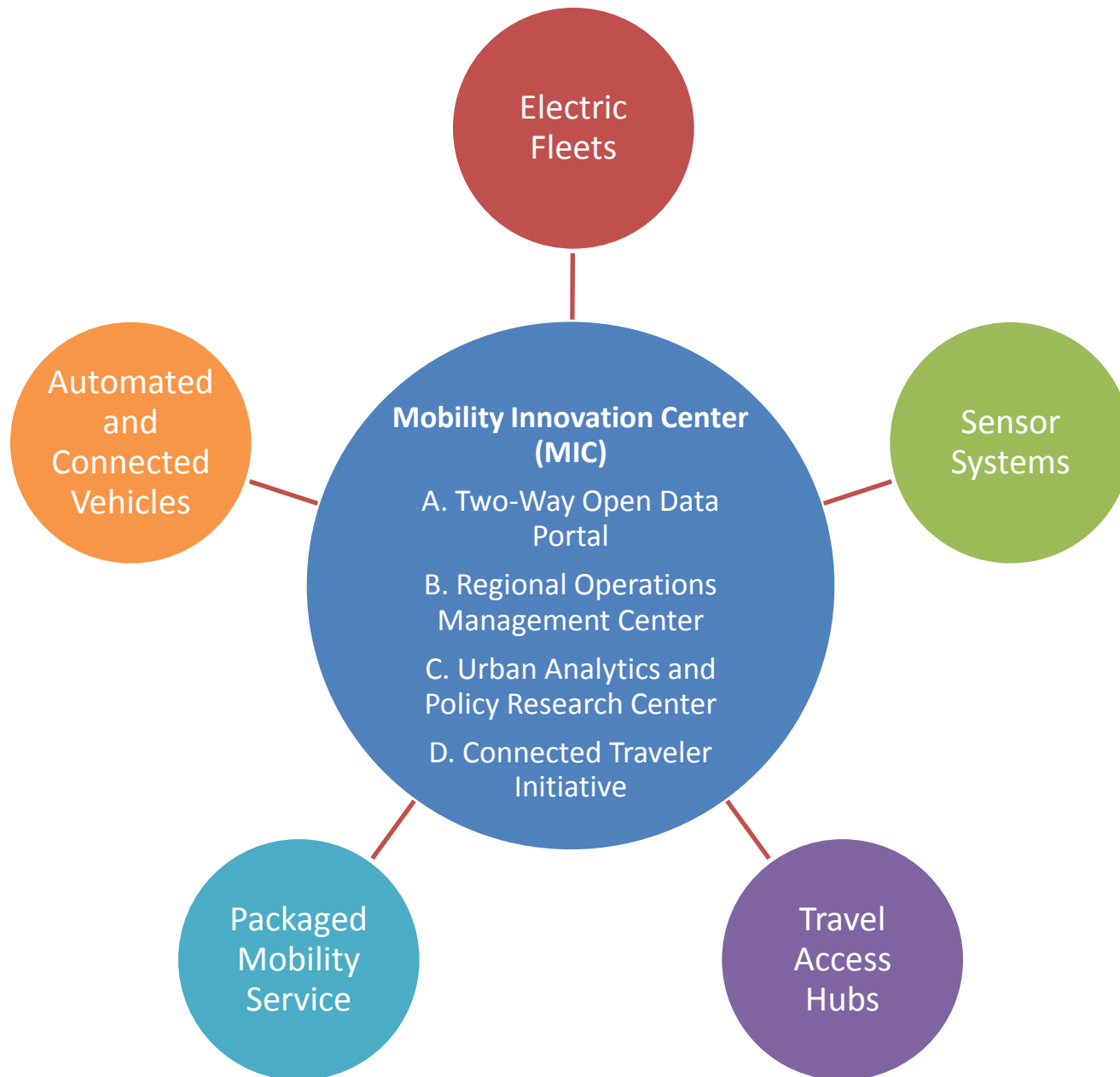
**Enhance Mobility** – By providing real-time **traveler information** and **emerging mobility services** to improve personal mobility for all.

**Address Climate Change** – By implementing **advanced technologies and policies** that support a **more sustainable** relationship between transportation and the environment through **fuel use and emissions reductions**.

# Key Partners

## Austin Smart Cities Proposal

- City Of Austin (Transportation Lead)
- Capital Metro
- TxDOT - Headquarters
- TxDOT - Austin District
- Travis County
- CTRMA
- CAMPO
- Rocky Mountain Institute
- UT Center for Transportation Research
- Texas A&M Transportation Institute
- Southwest Research Institute



## Other Key Partners

- Austin Chamber of Commerce
- Austin Technology Incubator
- Austin City Up
- National Renewable Energy Laboratory
- Texas Technology Council
- Texas State University

## Private Sector Support

- Google
- IBM
- General Motors
- Capital Metro
- Car2Go/Daimler
- RideScout
- Capital Factory
- Peloton

Ford | BMW

Intel | NXP (formerly Freescale)

Dell | AT&T

Pecan Street, Inc. | EVgo

Uber | Lyft | Carma | Metropia

National Renewable Energy Lab

B-Cycle | Green Wheels

US Postal Service

TomTom | HERE | Spark | Inrix

# Go Austin!

Final 5: We'll have \$100,000 toward making our ideas real.

