



U.S. Department of Transportation



ITS JPO OVERVIEW

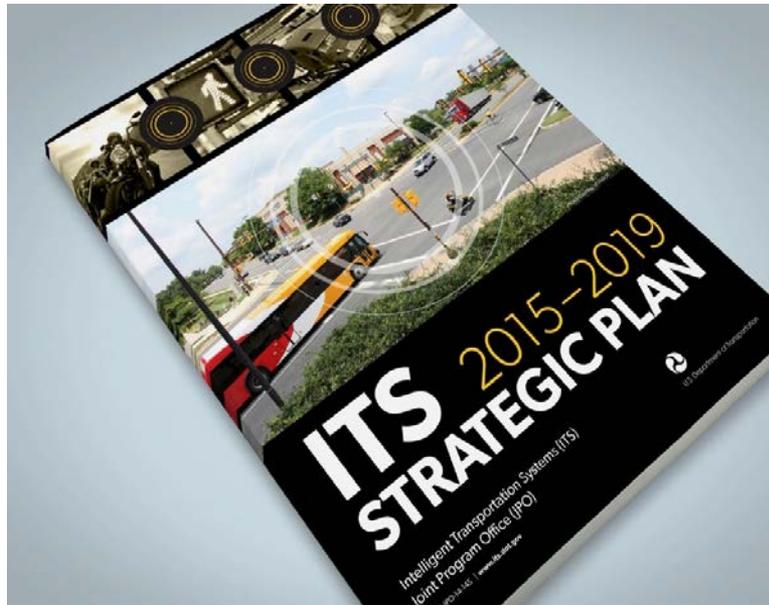
Kevin Gay

*Chief – Policy, Architecture, and Knowledge Transfer
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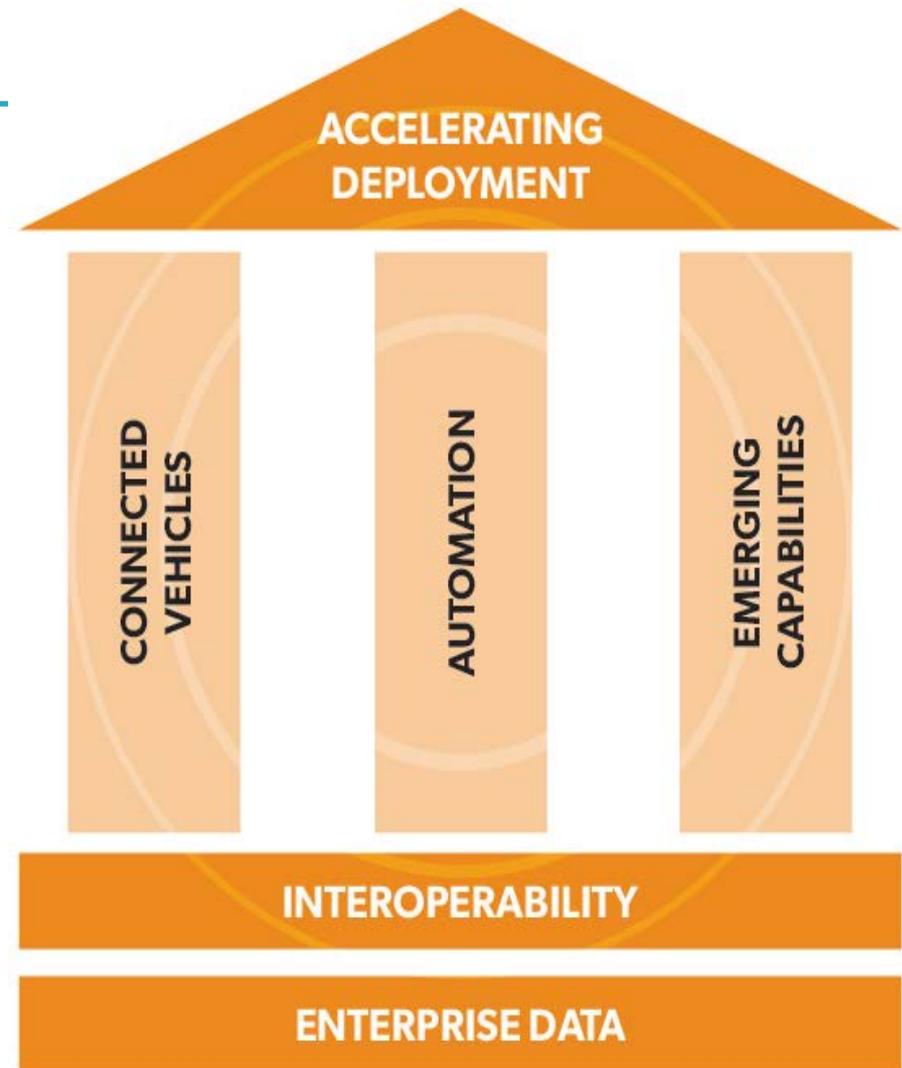
U.S. Department of Transportation

OCTOBER 2017

STRATEGIC PLAN PROGRAM CATEGORIES



<http://its.dot.gov/strategicplan/index.html>





IMAGINE A TRANSPORTATION SYSTEM IN WHICH
**VEHICLES CAN SENSE &
COMMUNICATE**
THINGS THAT YOU CAN'T.

ACCELERATING DEPLOYMENT VIA THE CONNECTED VEHICLE PILOT DEPLOYMENT PROGRAM



Connected Vehicle Pilot Deployment (Up to 50 Months)

Sites: New York City DOT Pilot, Tampa (THEA) Pilot, Wyoming DOT Pilot



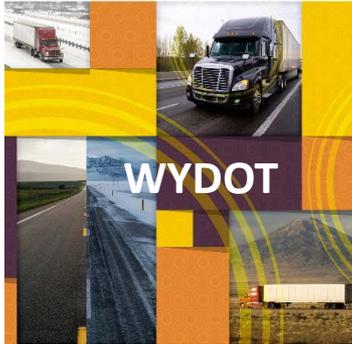
Progress Gate Transition



Completed Sept 2016

Began Oct 2016

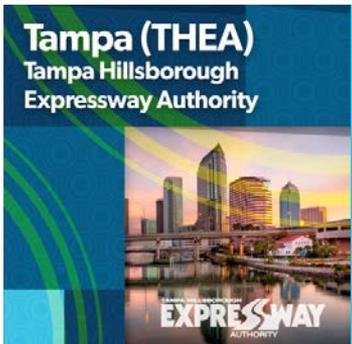
THE THREE CONNECTED VEHICLE PILOT SITES



- Reduce the number and severity of adverse weather-related incidents in the I-80 Corridor in order to improve safety and reduce incident-related delays.
- Focused on the needs of commercial vehicle operators in the State of Wyoming.

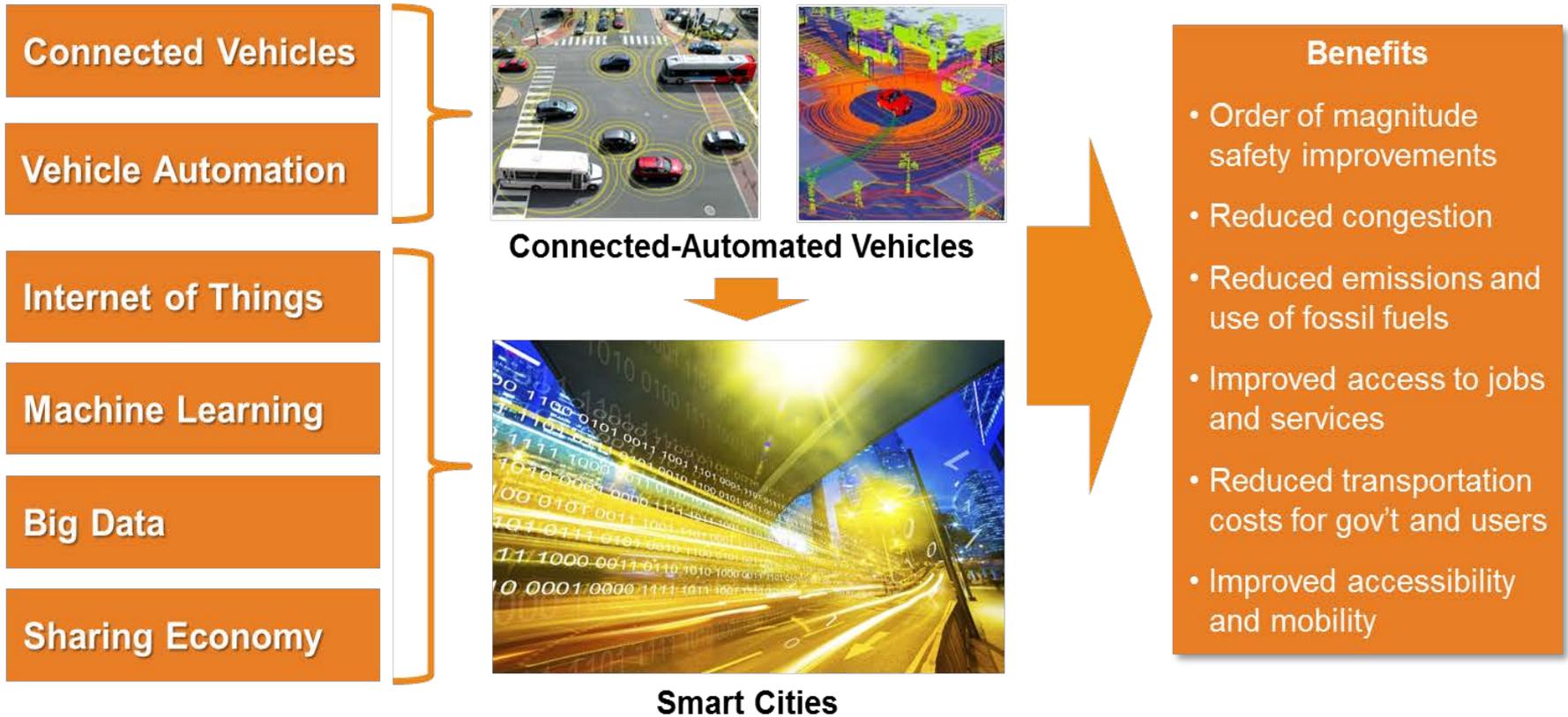


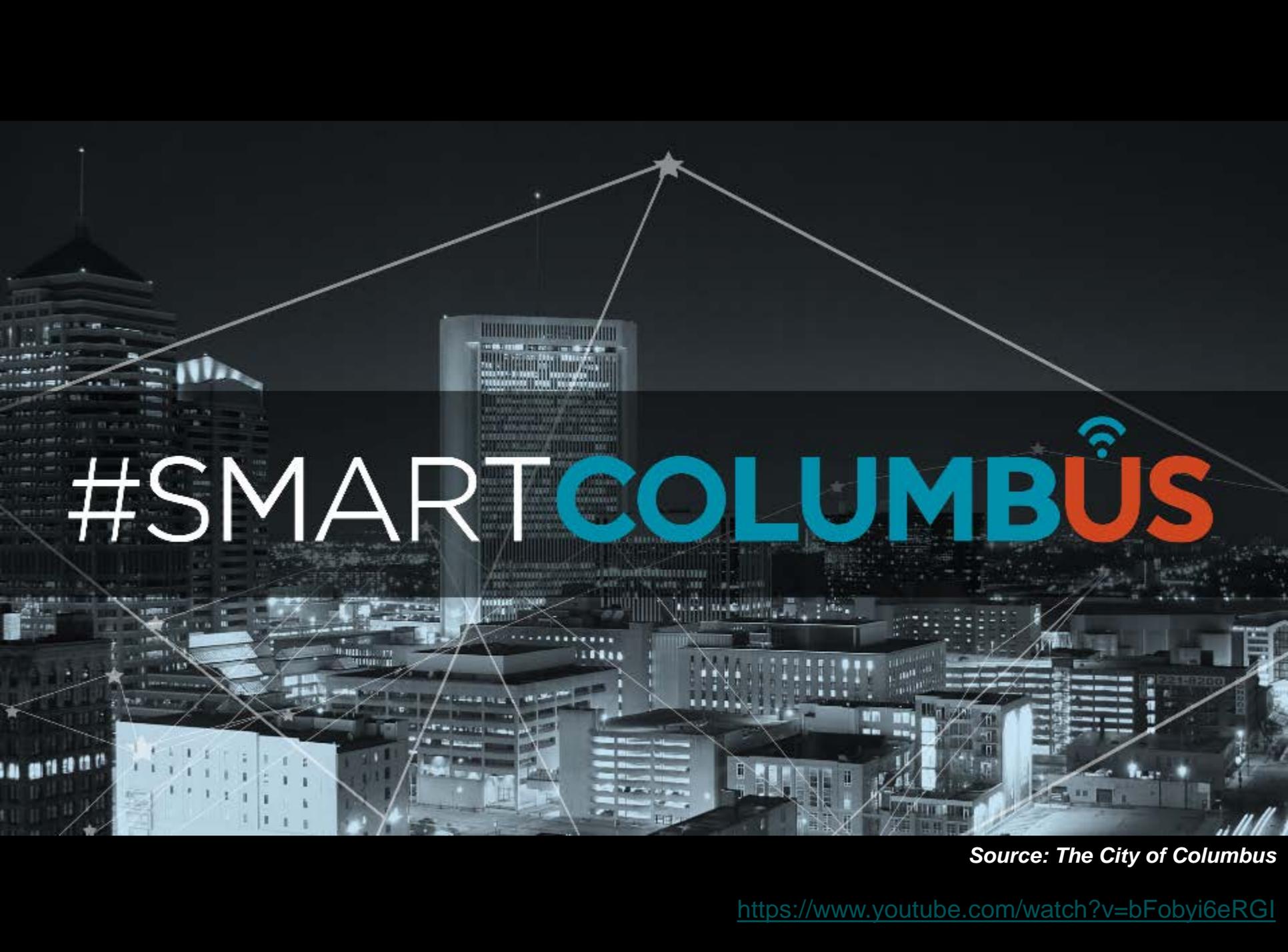
- Improve safety and mobility of travelers in New York City through connected vehicle technologies.
- Vehicle to vehicle (V2V) technology installed in up to 8,000 vehicles in Midtown Manhattan, and vehicle to infrastructure (V2I) technology installed along high-accident rate arterials in Manhattan and Central Brooklyn.



- Alleviate congestion and improve safety during morning commuting hours.
- Deploy a variety of connected vehicle technologies on and in the vicinity of reversible express lanes and three major arterials in downtown Tampa to solve the transportation challenges.

EMERGING TECHNOLOGY – SMART CITIES





#SMARTCOLUMBUS

Source: *The City of Columbus*

<https://www.youtube.com/watch?v=bFobyi6eRGI>

FY17 – ATCMTD GRANTS

State	Project Name	Funding	Recipient/Project Description
AZ	Loop 101 Mobility Project	\$6,000,000	Arizona DOT. The funding will be used to improve safety and existing arterial capacity in the Loop 101 corridor by deploying technology and systems to support ICM, public transportation, SMARTDriveSM and other connected traffic management and other real-time information technologies.
CA	Global Opportunities at the Port of Oakland Freight Intelligent Transportation System	\$9,720,000	Alameda County Transportation Commission. The GoPort Freight ITS project will deploy the nation's first integration of Freight Community System and advanced ITS technology that will include a new port-specific TMC, traffic sensors, advanced traveler information, traffic messaging, trucking information for mobile apps, rail grade warning and terminal queue information.
FL	Connecting the East Orlando Communities	\$11,946,279	Florida DOT. The FDOT, MetroPlan Orlando and the University of Central Florida (UCF) will utilize the grant to advance numerous ITS technologies as part of PedSafe, GreenWay, SmartCommunity and SunStore.
ID	SMART Arterial Management	\$2,250,000	Ada County Highway District. The funding will be used to replace traffic signal controllers and detection systems at 82 intersections to implement new traffic signal performance measures.
MI	Improving Safety and Connectivity in Four Detroit Neighborhoods	\$2,182,500	City of Detroit. The funds will be used to increase mobility for residents in four target neighborhoods with high-traffic corridors.
OH	Connecting Cleveland Project	\$5,850,000	Greater Cleveland Regional Transit Authority. The CCP will improve communications infrastructure, enhance rider and passenger safety and reduce rider travel time. It will also enhance the overall efficiency of the transportation system while contributing to community revitalization.
SC	Greenville Automated (A-Taxi) Shuttles	\$4,000,000	County of Greenville. The deployment of an integrated system of Automated Taxi-Shuttles (A-Taxis) on public roads will be the first in the nation—improving access to transportation for disadvantaged and mobility impaired residents.
TX	The Texas Connected Freight Corridors Project	\$6,090,221	Texas DOT. The Texas Connected Freight Corridors project will deploy connected vehicle technologies in over 1,000 trucks and agency fleet vehicles that will be able to transmit data and receive warnings from 12 CV applications.
VA	Truck Reservation System and Automated Work Flow Data Model	\$1,550,000	Virginia Port Authority. The project involves the design, implementation and deployment of a second-generation truck reservation system that builds on the successes of the Port of NY/NJ reservation system for access to container terminals.
WA	Multimodal Integrated Corridor Mobility for All	\$4,091,000	City of Seattle DOT. The MICMA project will leverage and enhance Intelligent Transportation System (ITS) and Mobility-as-a-Service (MaaS) platforms to create a multimodal operations environment that responds to all users.

THOUSANDS OF NEW CONNECTED VEHICLES WILL HIT U.S. STREETS NEXT YEAR





QUESTIONS?