



Introducing FTA's Strategic Transit Automation Research (STAR) Plan



**Vincent Valdes, Associate Administrator, Office of Research,
Demonstration & Innovation, Federal Transit Administration**



**Steve Mortensen, Senior ITS Engineer, Office of Research,
Demonstration & Innovation, Federal Transit Administration**



**Danyell Diggs, Senior Transportation Program Analyst, Office of
Research, Demonstration & Innovation, Federal Transit Administration**



FEDERAL TRANSIT ADMINISTRATION

Introducing FTA's Strategic Transit Automation Research (STAR) Plan

December 5, 2017

VincentValdes
Danyell Diggs
Steve Mortensen



Office of Research, Demonstration and Innovation

U.S. Department of Transportation
Federal Transit Administration

Agenda

- Bus Transit Automation: Background and Context
- Development of the STAR Plan
- Opportunities to Participate and Next Steps

FTA Research Vision

Innovative technologies, projects, partnerships, and world-class infrastructure promote economic growth, productivity, safety, and improve quality of life in communities.



BUS TRANSIT AUTOMATION: BACKGROUND AND CONTEXT

Why Automate Transit?

- Improve safety
- Increase efficiency and productivity
- Potentially reduce costs
- Increase traveler convenience through improved service frequency and flexibility
- Expand service hours and area
- Increase customer satisfaction
- Adapt to change

Automation Research Goals

- Conduct **enabling research** to achieve safe and effective transit automation deployments
- **Identify and resolve barriers** to deployment of transit automation
- **Socialize automation** for transit stakeholder community
- **Demonstrate market-ready technologies** in real-world settings
- Leverage technologies from other sectors to **move transit automation industry forward**