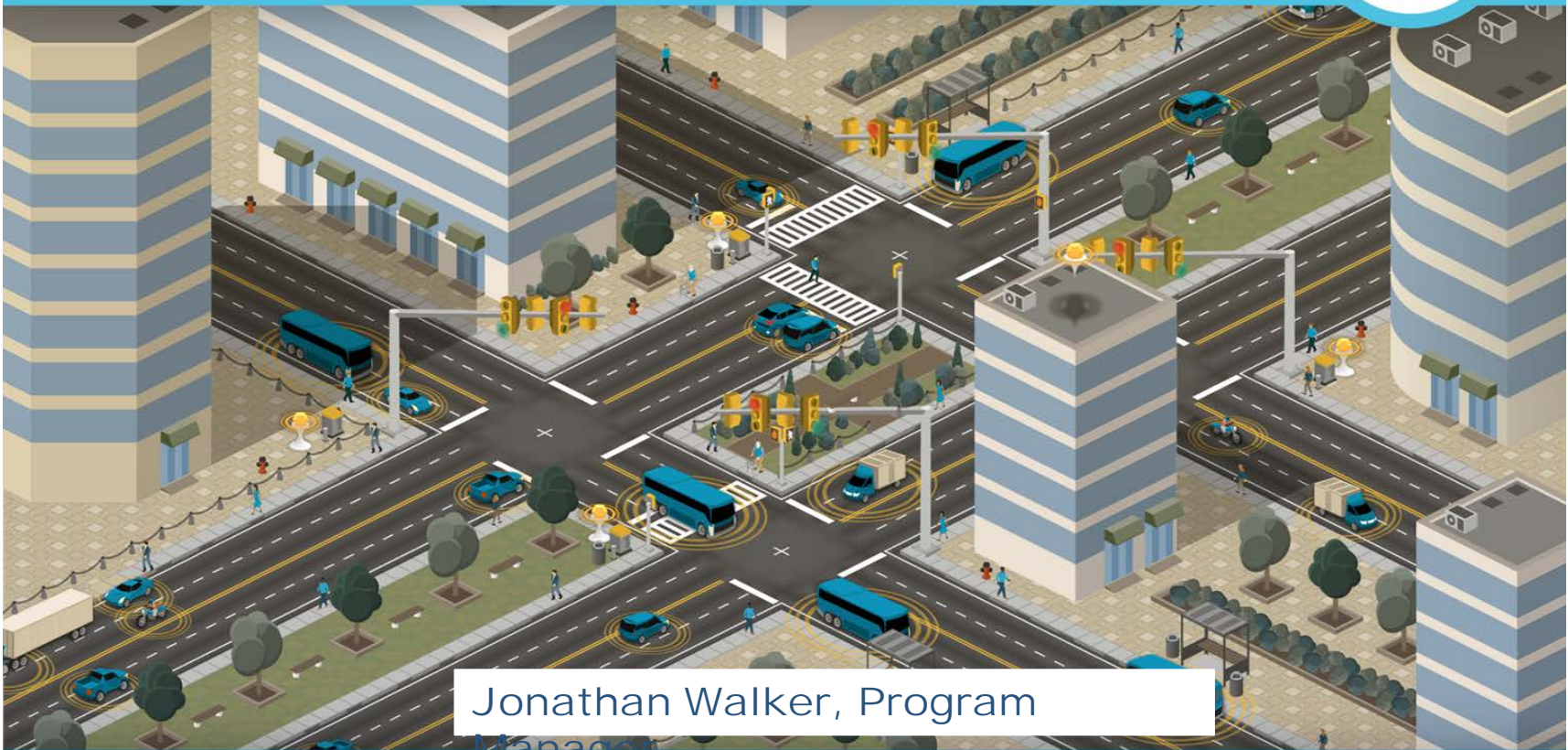




# CONNECTED VEHICLE PILOT Deployment Program



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# OVERVIEW



- Connected Vehicles Pilot Deployment Program Overview
- Lessons Learned
- How to Stay Connected

# CV PILOT DEPLOYMENT PROGRAM GOALS



## Spur Early CV Tech Deployment



Wirelessly Connected Vehicles



Mobile Devices



Infrastructure

## Measure Deployment Benefits



Safety



Mobility



Environment

## Resolve Deployment Issues



Technical



Institutional



Financial



# LESSONS LEARNED IN CV PILOTS CONCEPT DEVELOPMENT PHASE



- Stakeholder interaction early and often leads to better concepts and more buy-in
- Sites are eager to consume USDOT technical assistance
  - Deployments are complex, requiring a lot of diverse elements to come together in an integrated system (technical, security, privacy, performance measurement, institutional, financial, etc.)
- Site-to-site coordination can be useful (since not set up as competitive)
  - Cooperation on security, vendor interaction, stakeholder coordination (UPS in WY and NYC)
  - Participation in virtual roundtables
- Building in performance measurement to a deployed system requires some serious thinking in the concept development phase
- We didn't forget a key area in Phase 1 (so far), e.g., training or safety management
- The deliverables from the sites are creating examples for others to follow
  - E.g., good lessons learned from SPMD on installation planning/training
- Concept development takes some time to conduct – prior to procuring/ designing/installing equipment
- Using standards (intelligently) can help to advance sites systems engineering

# SAFETY PILOT LESSONS LEARNED – APPLIED TO CV PILOTS



- **Driver Recruitment**
  - Understand what motivational factors are important to the community and utilize them in the recruitment process.
- **Device Installation**
  - Develop an installation plan (including device mounting) for each vehicle type and evaluate designs for any potential common elements.
  - Establish strong partnerships with state and local agencies responsible for the operations and maintenance of roadways and related equipment.
- **Data Collection**
  - Allow the opportunity for the evaluator to provide a more detailed data specification document to the data collection entities as a part of the process.
  - Developing a standard database structure is more cost effective to manage and analyze the data separately.
- **Outreach and Showcase**
  - Develop a key message that is agreed upon by all parties at onset of project. Establish clear guidelines on what information can be shared and what cannot.
  - Ensure capabilities are in place early in the deployment for stakeholders to be able to experience the environment via demonstrations and showcases of the technology.

# STAY CONNECTED



## Join us for the *Getting Ready for Deployment Series*

- Discover more about the 2015 CV Pilot Sites
- Learn the Essential Steps to CV Deployment
- Engage in Technical Discussion



**Website:** <http://www.its.dot.gov/pilots>

**Twitter:** [@ITSJPODirector](https://twitter.com/ITSJPODirector)

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