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.
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

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