Creating Connected Vehicle Pilot Deployment Concepts

Moderator:
Jeff Spencer (FTA)
Purpose of this Session

- Describe the Pilot Deployment Concept Development Process
  - Identify Local Needs
  - Set Performance Goals
  - Select CV Applications That Work Together Meet Those Goals

- Provide Example Pilot Concepts from Hypothetical Locations
  - Hypothetical, but realistic examples of localities applying the pilot deployment concept development process

- Examples Are Technology and Communications Media Neutral

- These Examples Are NOT Templates
  - USDOT does not seek pilot deployments identical to these examples
  - USDOT seeks pilot deployments tailored to local needs and goals
Pilot Deployment Concept Development Process

1. Needs
   - Driven by the needs of multiple stakeholders
   - Related to one or more safety, mobility, or environmental issues

2. Goals
   - Directly relate to needs
   - Quantitative, measureable, meaningful
   - Concise list of a “few good measures” with stakeholder buy-in

3. CV Apps
   - Selected to work together to cost-effectively meet pilot deployment goals
   - Integrated into operational practice as permanent deployed features
Deployment Concepts in this Session are Hypothetical Results of a Local Process

- The Pilot Deployment Concept Development Process is paramount, not the concepts

- Example Pilot Deployment Concepts in this Session are:
  - Used only to illustrate the pilot development
  - Hypothetical and do not reflect preferred deployment concepts
  - Realistic enough to surface related goals and needs, and potential synergies from multiple connected vehicle applications

- These Examples Are NOT Templates
  - USDOT does not seek pilot deployments identical to these examples
  - USDOT seeks pilot deployments tailored to local needs and goals

Q: What do Downtown Sunnyside, the Halleck Expressway, the I-876 Corridor, District 13 and Greypool County all have in common?

A: They are only examples, not templates
B: They are used to illustrate the pilot deployment concept development process
C: They are not real.
D: All of the above.
Deployment Concepts in this Session are Technology Neutral

- Graphics are used to illustrate the concept, not a system design
  - Examples illustrated here are not preferred, only to show how messages are expected to pass among mobile devices, connected vehicles, and communications media
Example Pilot Deployment Concepts: The Remainder of the Session

- Downtown Sunnyside
  - Ben McKeever
- H.W. Halleck Expressway
  - Bob Rupert
- Greypool County
  - Carl Andersen
- District 13 Connected Operations
  - Gabe Guevara
- I-876 Productivity Corridor
  - Randy Butler
- Stakeholder Q&A (25 minutes)
  - Jeff Spencer

Each presenter will have about 15-20 minutes to talk about each of these examples.
  - We will take one or two clarifying questions specific to the example.

Please hold general questions for the end, where we have a block of time to answer questions.