



# Automated, Connected, Electric, Shared & Emerging Applications - Practical Implementation Opportunities for Local Governments

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# SMART ORL GUIDING PRINCIPLES

- Collaborative
- Community focused
- Equitable & Inclusive
- Responsible
- Transparent
- Sustainable & Resilient



# Some Focal Areas

- **Safety**
- **Mobility Options**
- **Communications**
- **Energy**
- **Potential Partnerships**

# Safety

- **Pedestrian Crash Reduction**
- **Rental Car Operations**
- **Freight Operations**
- **Public Transit Operations**
- **Intermodal Interactions**
- **Vulnerable travelers**

# Mobility Options

- Ride-share complements to public transit
- Trip Chaining
- Driver Assisted Options
- Driverless Options
- Urban freight management
  - Delivery options
  - Routing options
  - Staging options
- Emergency operations
  - Emergency service delivery
  - Evacuations

# Communications

- **Comprehensive, real-time, information dissemination**
  - To the public
  - To system managers
- **Wired**
  - Local public fiber
  - Networked/inter-local public fiber
  - Private fiber
- **Wireless**
  - Wi-Fi
  - Cellular

# Electrification

- **Transportation**
  - Infrastructure
  - Fleets
- **Buildings**
  - Offices
  - Commercial Operations
  - Garages
  - Residences
- **Harnessing**
- **Charging/Distribution**
- **Sharing**

# Potential Partnerships

- **Telecommunications companies**
- **Energy utility companies**
- **Neighboring governmental jurisdictions**
- **Local & state governments**
- **Development community**
- **Academia**



# Questions & Comments, Please

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