

Policies and Procedures: Autonomous Vehicles

The deployment of AV's into a comprehensive transportation plan, solving the last puzzle piece of *First and last mile* appears to be inevitable, innovative technologies, sensors, economic advantages, and the congestion of the cities provide the need and the opportunity to transform mobility in our cities. The challenge will be to roll out these new technologies in a safe, secure and inclusive way to insure public and private acceptance of AV's. Key to that acceptance will be the policies and procedures that become enacted. The goal of the Policies and Procedures team is to share ideas, concerns and plans so that we may learn from our success and not repeat our mistakes. *"A raising tide floats all boats."*

I. System Validation

- a. Infrastructure preparation
 - i. Financial policy recover infrastructure
- b. Validation Models
 - i. Self-Certification
 - ii. Third Party Certification
 - iii. Common Federal Standards
 - iv. Local Considerations
 - 1. Snow, rain, night etc.
 - v. Accelerated validation with Info Sharing
 - 1. Public – private sharing and system integration
 - vi. Ensure consistent practices and provide certainty
- c. **Phased approach**
 - i. Mitigate risk with initial tests
 - 1. Autonomous zones
 - 2. Low speed
 - 3. Private facilities, areas
 - 4. Low infrastructure requirements
 - 5. Validate before complex tests
 - 6. Synergy – feedback from people to guide narrative
- d. **Safety and Security**
 - i. Protection against cyber attacks
 - ii. Internal and external monitoring
 - iii. Command Center functions
 - iv. Primary-secondary infrastructure
- e. **Economic Environment – Equity**
 - i. Financial – Business model intersection with City Objectives
 - ii. City/City - Approach & Phase sequence
 - iii. Economic inclusivity – Bring everyone along!
 - iv. Private sector jobs and involvement