Dynamic Mobility Application: 
Integrated Dynamic Transit Operations (IDTO)

- Pre-Prototype Development/Demonstration Activities/Products
  - Assessment of Relevant Prior & Ongoing Research
  - Stakeholder Input on Transformational Goals, Performance Measures, User Needs
  - Concept of Operations
  - Functional/Performance Requirements and Data/Communication Needs
  - Test Readiness Assessment

- **Contractor**: Science Applications International Corporation (SAIC)

Image Sources: UMTRI, 2011; USDOT, 2013
Dynamic Mobility Application:  
**Integrated Dynamic Transit Operations (IDTO)**

- **Prototype Development/Demonstration**
  - **IDTO Applications**
    - *Connected Protection*: improves the probability of making successful transfers between vehicles
    - *Dynamic Transit Operations*: provides improved real-time planning and travel for a passenger by enhancing demand/response service to include real-time scheduling and routing with multimodal, multi-vehicle transfers.
    - *Dynamic Ridesharing*: provides for real-time ridesharing by facilitating driver/passenger information exchange using smartphones.

*Image Sources: UMTRI, 2011; USDOT, 2013*
Dynamic Mobility Application: 
*Integrated Dynamic Transit Operations (IDTO)*

- Prototype Development/Demonstration
  - *Development/Demonstration*: Battelle Memorial Institute
  - *Impacts Assessment*: Volpe National Transportation Systems Center
  - *Demonstration Sites*:
    - Columbus, Ohio
    - Orlando, Florida

Image Sources: UMTRI, 2011; USDOT, 2013