





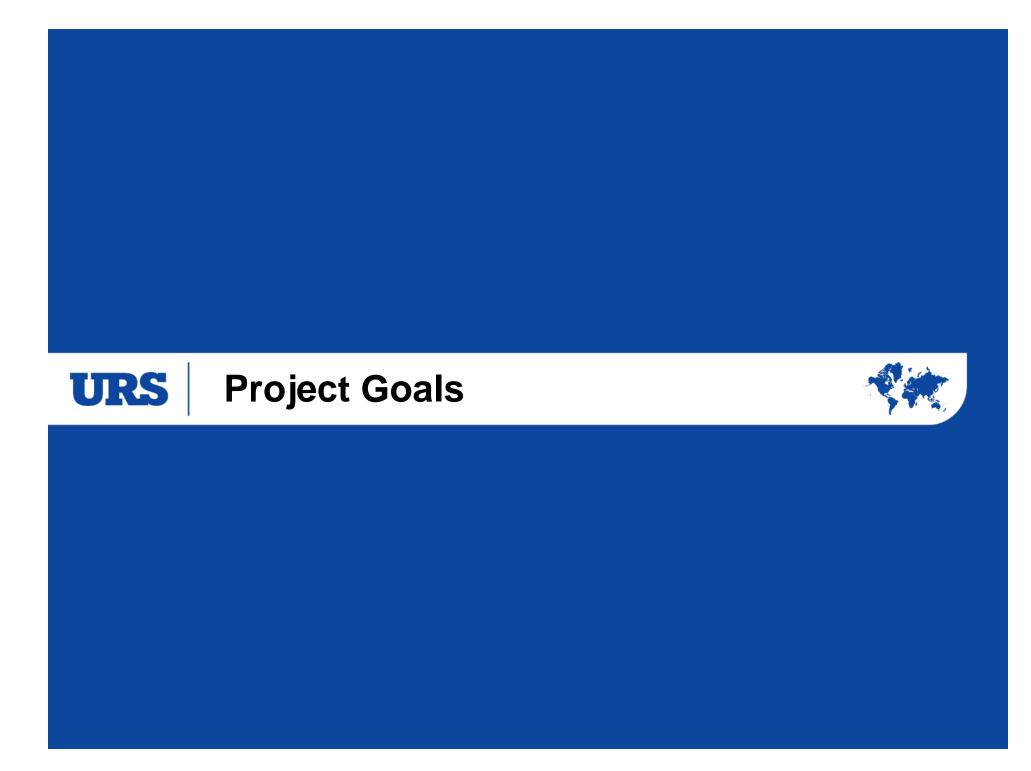




Princeton Transit Study



Princeton Traffic and Transit Task Force Meeting June 26, 2013



Project Goals

- 1. Improve Transit Mobility, Connectivity, and Accessibility
- 2. Provide Cost Effective and Efficient Transportation Services
- 3. Encourage Sustainable Economic Development
- 4. Maintain/Enhance Livability and Quality of life

Improve Transit Mobility, Connectivity and Accessibility

- Provide connections to existing and future transit services.
- Increase transit demand.
- Accommodate future transit demand.
- Maintain existing commuter level of service.
- Maintain existing comfort of service.
- Minimize transfers within the transportation system.
- Improve operating speed.
- Maintain bicycle friendly atmosphere.

Provide Cost Effective & Efficient Transportation Services

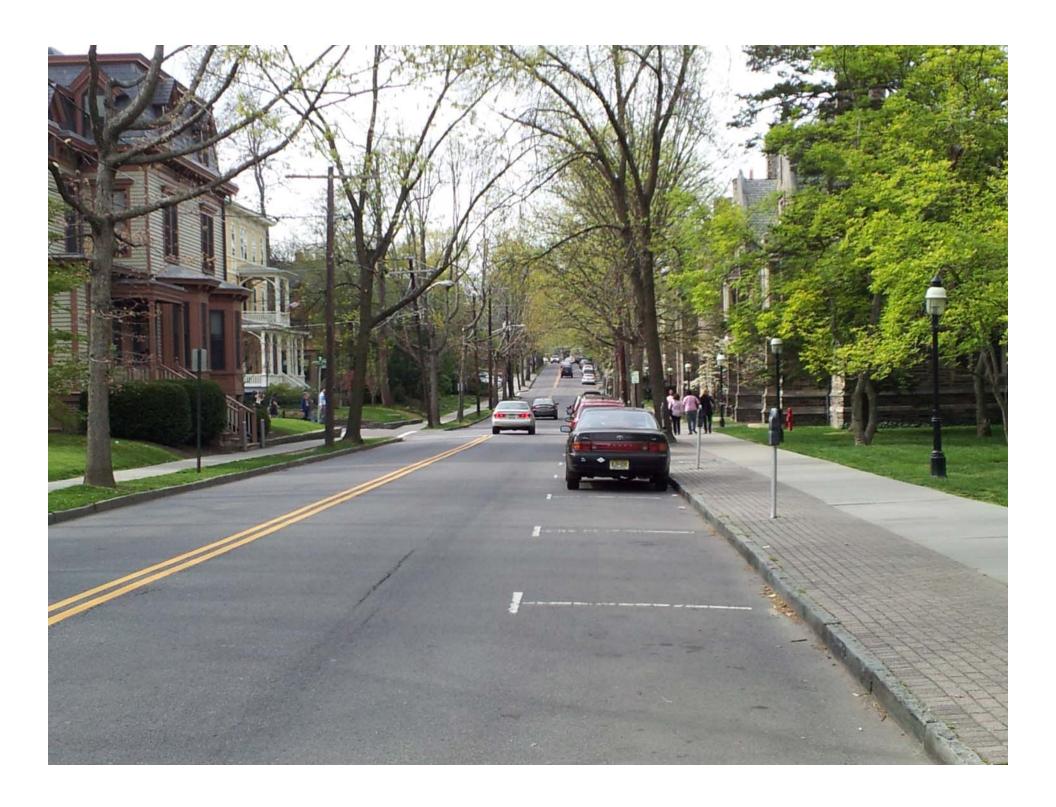
- Implement within a reasonable time frame.
- Implement at a reasonable capital cost.
- Minimize operating and maintenance costs per passenger mile.
- Consistent with NJT or Princeton University operating technologies.
- Maintain emergency vehicles access to system.
- Maintain access to arterial roadways.
- Maintain access to existing and future users.
- Minimize property acquisition.
- Ability to phase construction.
- Minimize turning radii that meet current alignments.

Encourage Sustainable Economic Development

- Stimulate economic development
- Improve connection between residential/commercial/educational destinations.

Maintain/Enhance Livability and Quality of Life

- Minimize/avoid impacts on historic resources.
- Minimize encroachment on view corridors.
- Minimize construction impacts.
- Reduce vehicle congestion emissions and noise.
- Reduce system congestion emissions and noise.
- Improve energy efficiency.

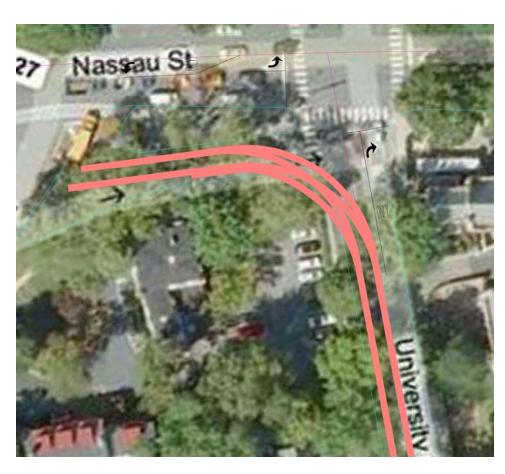


LRT (Light Rail Transit) URS

LRT

- Single Cars/Short Trains
- Generally in Exclusive or Separated Right of Way
- Occasionally in Streets
- Higher Capacity and Speeds (up to 60 mph)
- Larger Curves (min 82 feet)











Streetcar

- Single Cars
- Generally in Streets with traffic
- Moderate Capacity
- Speeds up to 40/45 mph
- Tight Curves possible (min 50 feet)
- Rolling Stock available includes:
 - Modern Cars
 - Heritage Cars
 - New Replica Cars





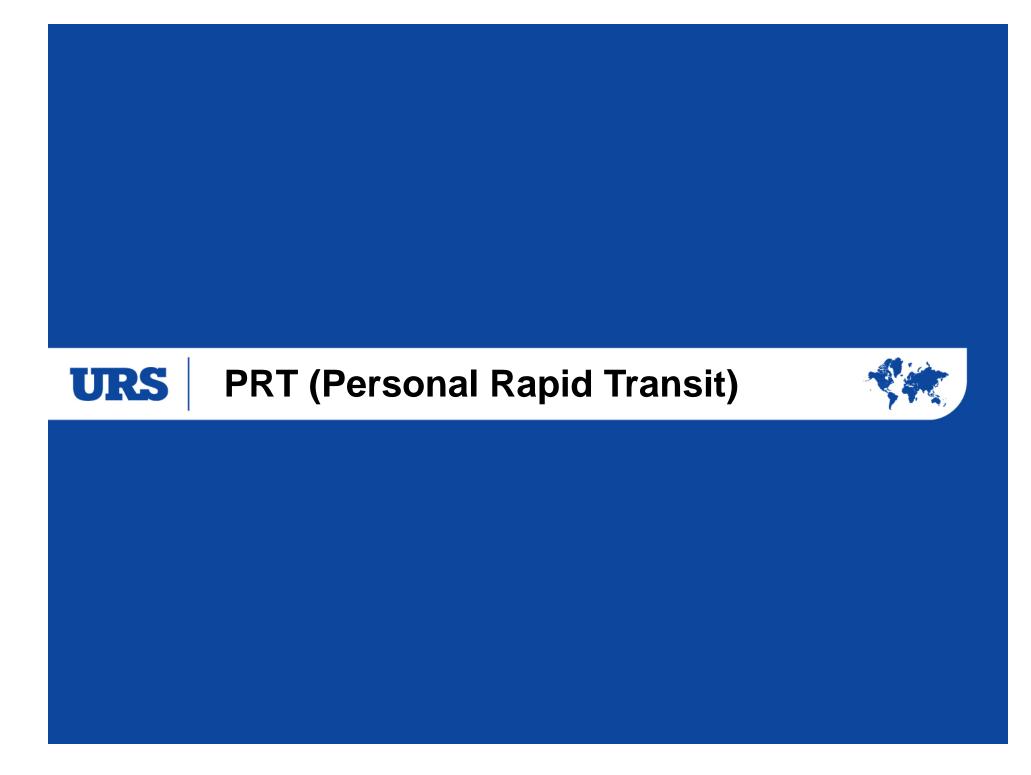












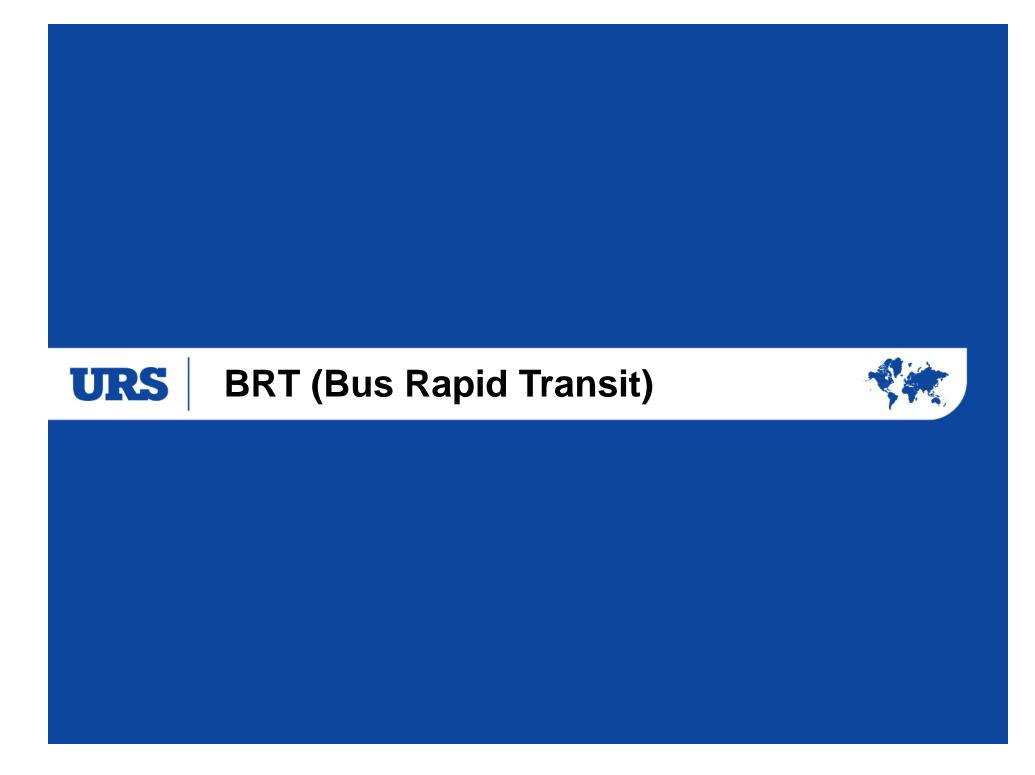
PRT

- Single Cars
- Separated Guideway Required
- Low Capacity:
 - 4-6 Persons (PRT)
 - 20+ Persons (GRT)
- Speeds up to 25 mph
- Generally Demand Responsive
- Broad Curves needed at speed;
 Tight Turns possible for
 Maneuvering







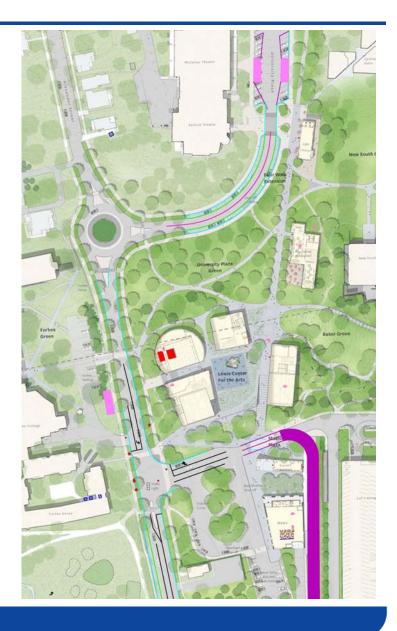


BRT

- Standard Bus or special vehicles available
- Separated Guideway Typical, but Street operations possible
- Moderate Capacity
- Highway Speeds
- Normal street geometry acceptable







Preliminary

