

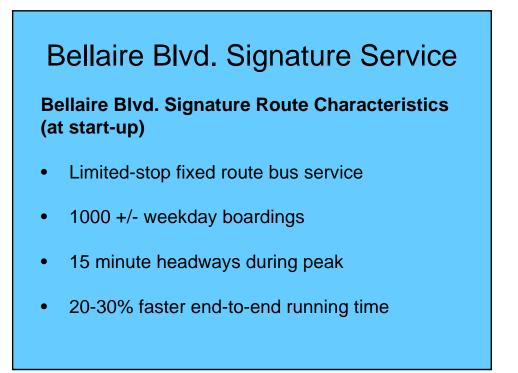
BRT Element – Vehicles

- Vehicle Configuration **40 ft. transit bus**
- Aesthetics
 Unique brand & colors,
 premium interior
- Passenger Circulation No fare box, low floor
 Enhancement
- Propulsion Hybrid diesel electric



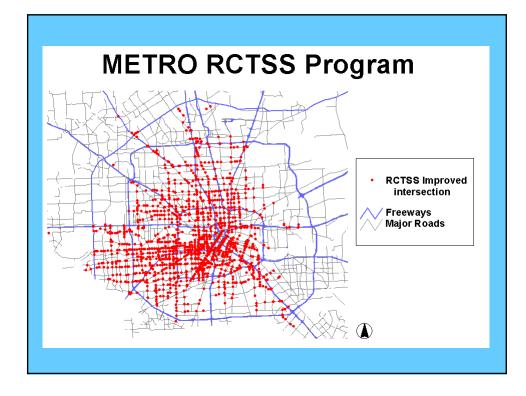
BRT Element – Intelligent Transportation Systems

- Vehicle Prioritization Yes
- Driver Assist and Automation Technology No **Operations Management** Standard
 - Passenger Information
 - Next bus arrival
- Safety and Security **On-board cameras**, plus station features TBD



Traffic Engineering Objectives

- Reduce run-time
- Primary run-time savings come from limited stop route design
- How can we deliver additional time savings?
 - Coordinate signal timing among jurisdictions
 - Signal optimization
 - Transit signal priority
 - Bus stop relocation
 - Queue jumping (?)



RCTSS System Components

Transtar

- Central traffic monitoring and control elements
- Intersections
 - Distributed traffic control elements
 - Transit Signal Priority (TSP) detectors
- Communications
 - Intersections-to-TranStar
 - METRO facility-to-facility
- Buses
 - TSP emitters

Bellaire Blvd. Signature Service

TRANSIT SIGNAL PRIORITY - Implementation Process

Conduct before studies for General purpose (GP) Traffic and Transit – baseline

Collect data - and develop timing model - present findings

Optimize the system - deploy new timing plans - lots of fresh data!

Conduct before and after studies to measure improvement - share

Review and discuss with jurisdictional partners

Deploy TSP Control strategies - monitor and adjust

Conduct after studies for GP and Transit – adjust

Project status

- On schedule for June 2007 start of service
- Vehicles in production
- Shelter concepts, stop locations approved
- "Before" data collected
- Signal conditions verified
- Optimization work to begin this month

