



MIAMI BEACH

Transportation Department

Presentation to:
Citizens' Independent Transportation Trust
(CITT)

July 24, 2014

People's Transportation Plan (PTP)

- For Fiscal Year 2013/2014, the City of Miami Beach is expected to receive \$3,233,263 as its share of proceeds from the ½ Cent Charter County Sales Surtax.
- Currently, approximately 37% of the proceeds are allocated to transit projects, whereas the remaining 63% are allocated to bicycle/pedestrian/roadway projects.

Transit projects currently being funded with these proceeds include:

- ❖ South Beach Local Operation and Maintenance

Bicycle/Pedestrian/Roadway projects currently being funded with these proceeds include:

- ❖ The City's Transportation Master Plan
- ❖ The City's Bicycle Master Plan Update
- ❖ Citywide Pedestrian Crossing Improvements
- ❖ Bicycle Facilities
- ❖ Audible Pedestrian/Countdown Signals
- ❖ Traffic Calming Program
- ❖ Bus Stop Improvements
- ❖ Citywide ADA Ramps



South Beach Local Circulator

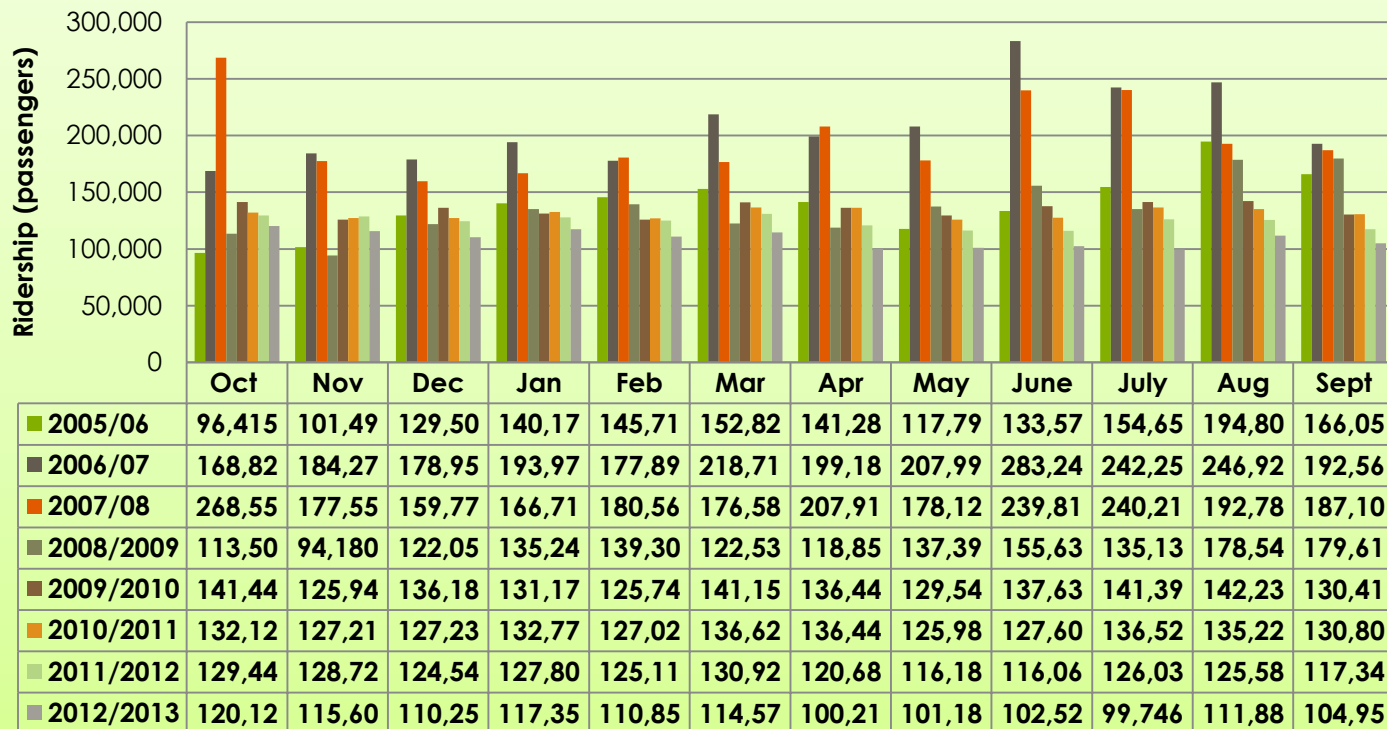
- Fully operated and maintained by Miami-Dade Transit
- City funds approximately 1/3 of the overall cost (Approximately \$1.3 M annually).
- Service details
 - ❖ Length: 7 miles, counter-clockwise and clockwise
 - ❖ Service span: 8 am-12 am, Monday through Saturday, and 11 am-12 am on Sundays
 - ❖ Headway: 12 to 20 minutes
 - ❖ Fleet: 11 buses in service
 - ❖ Vehicle capacity: 32 minimum
 - ❖ Fare: \$0.25



MIAMI BEACH

South Beach Local Circulator

**Route 123/South Beach Local Ridership
Comparison Fiscal Years 2005/2006 to 2012/2013**



MIAMI BEACH

Transportation Master Plan (TMP)

Objectives

- Coordination and integration of projects with other Master Plans
- Identify mobility needs and priorities to guide TMP implementation
- Identify innovative technologies to manage congestion
- Create a multi-modal project bank
- Identify potential new opportunities for funding

Schedule

- June 2014 – June 2015



Bicycle Master Plan (BMP)

Objectives

- Creation, extension and improvement of bicycle lanes, paths, boulevards, and other bicycle facilities
- Improve safety of bicycle mode of transportation
- Close existing gaps in the bikeway and bicycle parking network
- Increase usage of bicycle transportation for both commuting and recreation
- Close integration coordination and with Transportation Master Plan

Bicycles as an alternative mode of transportation Source: 2014 City of Miami Beach Community Satisfaction Survey	
South Pointe	39%
South Beach and Belle Isle	39%
Middle Beach	41%
North Beach	37%

Schedule

- March 2014 – March 2015



MIAMI BEACH



Transportation Projects Not Funded by PTP

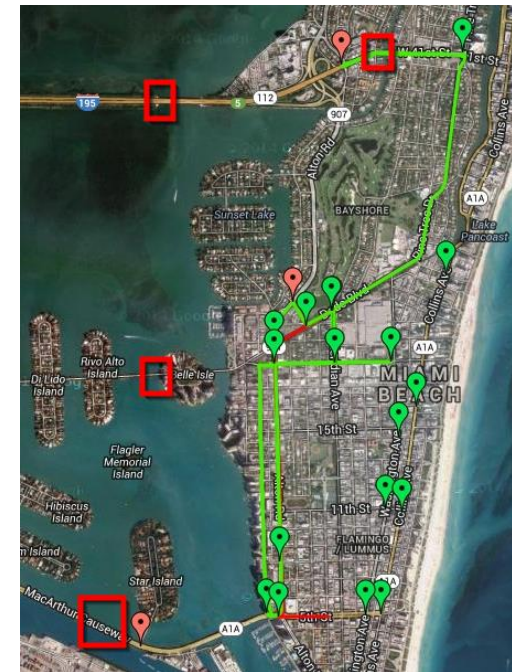
- Traffic Monitoring and Management / Intelligent Transportation Systems (ITS)
- Beach Corridor Transit Connection Study
- Alton-West Trolley
- North Beach Trolley



Traffic Monitoring and Management

Background

- Traffic Monitoring and Management Services via Commission-Approved Pilot Project (Art Basel, Miami International Boat Show, Winter Party Week, Winter Music Conference, Ultra Music Festival, Memorial Day Weekend)
- Travel time reduction of 7% - 230% and increased throughput



MIAMI BEACH

Beach Corridor Transit Connection Study



Onboard Energy Storage

- ▶ Vehicle can use both external power supply or on-board energy storage
- ▶ Batteries and Super Caps are the most common energy storage technologies
 - ▶ Batteries: high energy density (good for long-term storage), but not good for rapid charging. Weight issues, degrade over time.
 - ▶ Super Caps: good for rapid charging, but not good for long-term storage.
 - ▶ Hybrid Approach: combining the best features of both
- ▶ Off-wire "range" dependent on operating conditions and OESS capacity
- ▶ New technology, evolving rapidly. Driven by automotive sector (with a lot of interesting activity in the electric bus field)



MIAMI BEACH

Alton-West Trolley

Objective

- To mitigate impact of Alton Road reconstruction project and to reactivate businesses along the Alton Road and West Avenue corridors
- Service details
 - Length: 2.1 miles, counter-clockwise
 - Service span: 16-hours per day (8 am-12 am), 7-days per week, 365 days per year
 - Headway: 10 minute
 - Number of stops: 22
 - Fleet: 2 trolleys in service (plus 1 spare)
 - Trolley capacity: 32 minimum (22 sitting plus 10 standing)
 - Trolley fare: free

Status:

- Temporary until Alton Road project is completed



MIAMI BEACH

North Beach Trolley

Objective

- To complement existing Miami Dade Transit (MDT) service
- Provide direct connections to major origins and destinations in North Beach

Service details

- Length: 6.61 miles, counter-clockwise
- Service span: 16-hours per day (8 am-12 am), 7-days per week, 365 days per year
- Headway: 10 minute
- Number of stops: 32
- Fleet: 4 trolleys in service (plus 1 spare)
- Trolley capacity: 32 minimum (22 sitting plus 10 standing)
- Trolley fare: free

Schedule

- Anticipated beginning of the service by October 31, 2014



MIAMI BEACH



For further questions, please contact:

City of Miami Beach Transportation Department

JOSÉ R. GONZÁLEZ, P.E., DIRECTOR

Tel: 305-673-7514

Email: josegonzalez@miamibeachfl.gov



MIAMI BEACH