Update on Palm Beach MPO Funded Projects

Presented February 3, 2016: Palm Beach Technical Advisory Committee (TAC) Citizens Advisory Committees (CAC)
Tri-Rail Milestones

- Service began Jan 9, 1989
- Double-tracking completed in 2006
  - Allowed for reliable and more frequent service
- 4 million annual boardings for first time in 2008
- 77+ million passengers carried to date
- Modernization efforts and upgrades ongoing
Current Tri-Rail Service

- 72 mile system
- Now 18 stations
- 50 trains per weekday
  - Peak- 20 & 30 minutes
  - Off Peak- 60 minutes
- Hourly weekend service since March 2013
- Growing and changing ridership patterns
Current Tri-Rail Markets

- Inter-county travel
- Airports
- Suburban employment centers and office parks
- Colleges & universities
- Magnet schools
- Major downtowns
  - Via connecting transit
- Primarily choice riders
  - 1/3 transit dependent
Tri-Rail Ridership

Tri-Rail ridership increased 140% from 2005 to 2014
Strongest Growth in Palm Beach County
SFRTA Shuttle Bus Program

- 20 free routes linking Tri-Rail with major destinations
- Some new routes and partnerships established in recent years
- New & larger buses coming soon
- Increasing demand
  - Strong ridership growth
  - All routes exceed performance standards
  - More off-peak and 7-day service
  - Frequent requests for expanded service
- Budget constraints
Bicycles Onboard

• Expanded bike capacity being pursued
  – 4th car added to busiest trains
  – Dedicated bike cars implemented
  – First dedicated bike car entered service July 2015
Additional New Technology

• Onboard Wi-Fi
  – Implemented in Fall 2015

• New Passenger Information System
  – Real-time information
    • Smartphone tracking app
      – Now being tested
      – Operational in summer 2016
  – Additional system elements ready in 2017
PALM BEACH MPO FUNDED PROJECTS

NORTHERN LAYOVER MAINTENANCE FACILITY

NEW BOCA RATON STATION

NEW TRI-RAIL PBIA STATION STUDY

SFRTA/TRI-RAIL COASTAL LINK

WEST PALM BEACH TO JUPITER EXTENSION
SFRTA Palm Beach County Projects

• Included in:
  – Palm Beach MPO 2040 LRTP Cost Feasible Plan
  – Palm Beach MPO TIP (FY 2016 – 20)
  – FDOT Work Program
  – SFRTA Transit Development Plan (TDP)
New Northern Layover Facility

Project Estimated Costs: $36.15 m
New Northern Layover Facility

- Mission Spur, one half mile north of the Mangonia Park Station within the South Florida Rail Corridor
- More efficient end-of-line location
- Adds greatly needed train storage capacity
  - Existing Tri-Rail system
  - Facilitate Plans to expand system to Jupiter
- Federal environmental clearance received 2013
- Construction time estimated 24 months

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<th>Fund Type</th>
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New Boca Station Update

- Initial planning stages are beginning
- Consultant selected
- Notice to Proceed February 2016
- Operational Analysis - impact on existing Boca station
- Additional Considerations:
  - Cost estimates are preliminary planning level only
  - Right of Way costs unknown
  - Long-term shuttle bus funding agreement required

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PBIA Tri-Rail Station Study

- **Need for improved connectivity to/from Palm Beach International Airport (PBIA)**
- **Further analysis**
- **Funds available in FY 17/18**
- **Study to begin in FY 17/18**

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PROJECTS OF REGIONAL SIGNIFICANCE
80+ miles of new commuter rail service on FEC Railway corridor
- Downtown Miami to Jupiter
- Fully integrated expansion of Tri-Rail

20 to 25 new stations linking dozens of municipalities and major destinations

Will share existing and new tracks with FEC freight and the planned All Aboard Florida (AAF) inter-city service
- Three co-located stations with AAF

Strong ridership potential

Extensive economic development

Best case full opening in FY 2021

Likely phased implementation
Next Steps

Tri-Rail Coastal Link

• Project Development phase (led by FDOT)
  ➢ Maximum two year period
  ➢ Station locations finalized
  ➢ Environmental Assessment & extensive public outreach
  ➢ Finance/funding plan development
  ➢ Leads to best case opening of overall system in FY 2021

• Analysis of possible phased implementation
  ➢ Potential acceleration of Aventura-Downtown Miami and West Palm Beach-Jupiter segments
**Tri-Rail**

**Jupiter Extension + Downtown Miami Link**

- Jupiter/Northern Extension next logical step for phased Tri-Rail expansion onto FEC

- Northwood rail connection scheduled for completion by end of 2018

- Reasonable capital cost
  - Estimated $75 million

- Strong MPO Support
  - Among top MPO project priorities
  - Funding included in MPO Long Range Plan
V.A. Medical Center Tri-Rail Extension (Funding in MPO Long Range Plan) 2015-2019, 2020, 2021 - 2025

Jupiter Tri-Rail Extension (Funding in MPO Long Range Plan) 2015-2019, 2020, 2021 - 2025

Park & Ride Expansion (Funding in MPO Long Range Plan) 2026 - 2030

New Palm Beach International Airport Station (Funding in MPO Long Range Plan) 2021 - 2025

Full Tri-Rail Coastal Link Project (Unfunded)

New Northern Layover Facility (Funding in 5 Year MPO TIP)

New Boca Town Center Area Station (Funding in 5 Year MPO TIP)

2021 - 2025

2031 - 2040

SFRTA/Tri-Rail Projects in Palm Beach County
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