South Florida Regional Transportation Authority
2016 Annual Update to the Palm Beach MPO

February 18, 2016
Current Tri-Rail Service

- 72 mile system
- 18 stations
- 50 trains per weekday
  - Peak- 20 & 30 minutes
  - Off Peak- 60 minutes
- Hourly weekend service (since March 2013)
Tri-Rail Milestones

• Service began Jan 9, 1989
• Double-tracking completed in 2006
• 4 million annual “boardings” for first time in 2008
• 77+ million passengers carried to date
• SFRTA Begins Dispatch & Maintenance of South Florida Rail Corridor 2015
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

Annual Ridership by Calendar Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Ridership</th>
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<tbody>
<tr>
<td>2010</td>
<td>3,643,187</td>
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<tr>
<td>2011</td>
<td>3,947,346</td>
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<tr>
<td>2012</td>
<td>4,068,756</td>
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<tr>
<td>2013</td>
<td>4,349,749</td>
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<td>2014</td>
<td>4,388,992</td>
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2015 Accomplishments

• Secured $50M of local funding commitments for Tri-Rail Downtown Miami Link Service
• Began PBIA Shuttle Bus Demonstration
• Prepared the “Miami-Dade Rail Opportunities” booklets
• Acquire Port of Palm Beach parcel required for Northern Layover Construction project
• Assisted in development, outreach and adoption of SEFTC 2040 Regional Transportation Plan
2015 Accomplishments

- Awarded $1.25M FTA Grant for Tri-Rail Coastal Link TOD and station area planning
- Began dispatch and maintenance of South Florida Rail corridor
- Implemented On-Board Wi-Fi
2015 Accomplishments

• Placed three new “Bike Cars” into service
2015 Accomplishments

• Published South Florida Transit Resource Guide, 2nd Edition
• Third consecutive FTA Tri-Annual Review of SFRTA with “no deficiencies or findings”
• Began service to Miami Intermodal Center, serving the Miami International Airport, in April of 2015
2015 Accomplishments

• Awarded design/build construction contract on new Pompano Beach Tri-Rail Station and Operations Center
• 2016 Completion
Palm Beach County Projects

1. Northern Layover Facility
2. Boca II Tri-Rail Station
3. PBIA Tri-Rail Station Study
4. Boca Raton Shuttle Bus Study
1. Northern Layover Facility

Port parcel now owned by SFRTA
Northern Layover Facility

- Federal environmental clearance received 2013
- Anticipate Design Build Finance procurement
  - Industry input will be sought
  - Potential to accelerate Project Delivery to 2018 from 2020
- Construction time estimated at 24 months

<table>
<thead>
<tr>
<th>Phase</th>
<th>Fiscal Year</th>
<th>Fund Type</th>
<th>Fund Amount</th>
<th>Programming Status</th>
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<tr>
<td>NEPA/Concept Design/RW</td>
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<tr>
<td>Construction</td>
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<tr>
<td>Construction</td>
<td>FY 2019</td>
<td>SU</td>
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2. Boca II Tri-Rail Station

- Possible New Station located in Boca Raton to serve (via shuttle service):
  - Town Center Mall
  - Office Area
  - FAU
  - Downtown Boca Raton
Boca II Tri-Rail Station

- Initial Feasibility underway
  - Notice to Proceed February 2016
- Analysis to determine 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

<table>
<thead>
<tr>
<th>Phase</th>
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<th>Fund Type</th>
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<td>ROW/Construction</td>
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3. PBIA Tri-Rail Station Study

- Need for improved connectivity to/from Palm Beach International Airport (PBIA)
- Planning Funds available in FY 2018

<table>
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<tr>
<th>Phase</th>
<th>Fiscal Year</th>
<th>Fund Type</th>
<th>Fund Amount</th>
<th>Programming Status</th>
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What’s Next

• Committed to operational Positive Train Control by 2018, consistent with Federal Law

• Finalize various agreements with local and state funding partners as well as All Aboard Florida to allow Tri-Rail’s Downtown Miami Link implementation by 2018.

• Implementation of New Technology
Additional New Technology

- New Passenger Information System
  - Real-time information
    - Smartphone tracking app
      - Now being tested
      - Operational in summer 2016
  - Additional system elements ready in 2017
Multi-agency public-private partnership

- $47.2 M total cost
  - TIGER- $13.7 M
  - FDOT- $29 M
  - CSX- $1 M
  - FEC- $1 M
  - SFRTA- $2.5 M

- Opens opportunities for near-term Tri-Rail expansion
Integrated Service with 30 minute Peak and 60-minute Off-Peak service

$800M Capital
$35-40M Annual O&M
• Project Development phase (led by FDOT)
  • Maximum two year period
  • Station locations finalized
  • Environmental Assessment & extensive public outreach
  • Finance/funding plan development

• Likely phased implementation approach
**Tri-Rail Jupiter Extension**

- Included in PB MPO Cost Feasible Plan
- Northwood rail creates opportunity
- Capital Costs: $60-70M
- Annual Operating & Maintenance Costs $6M
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