

## *Tri-Rail Coastal Link*

Broward Metropolitan Planning Organization  
Florida Department of Transportation  
Miami-Dade Metropolitan Planning Organization  
Palm Beach Metropolitan Planning Organization  
Southeast Florida Transportation Council  
South Florida Regional Planning Council  
South Florida Regional Transportation Authority  
Treasure Coast Regional Planning Council



# Tri-Rail Coastal Link Project Update

*Town of Jupiter*

January 12, 2015



Presented by William L. Cross, P.E.  
Director of Planning & Capital Development  
South Florida Regional Transportation Authority

*Getting Southeast Florida to Work*



# Tri-Rail 25th Anniversary



- Service began Jan 9, 1989
- Double-tracking completed in 2006
  - Increased reliability
  - 50 Trains per day
- Hourly weekend service began in March 2013
- 70+ million passengers carried to date

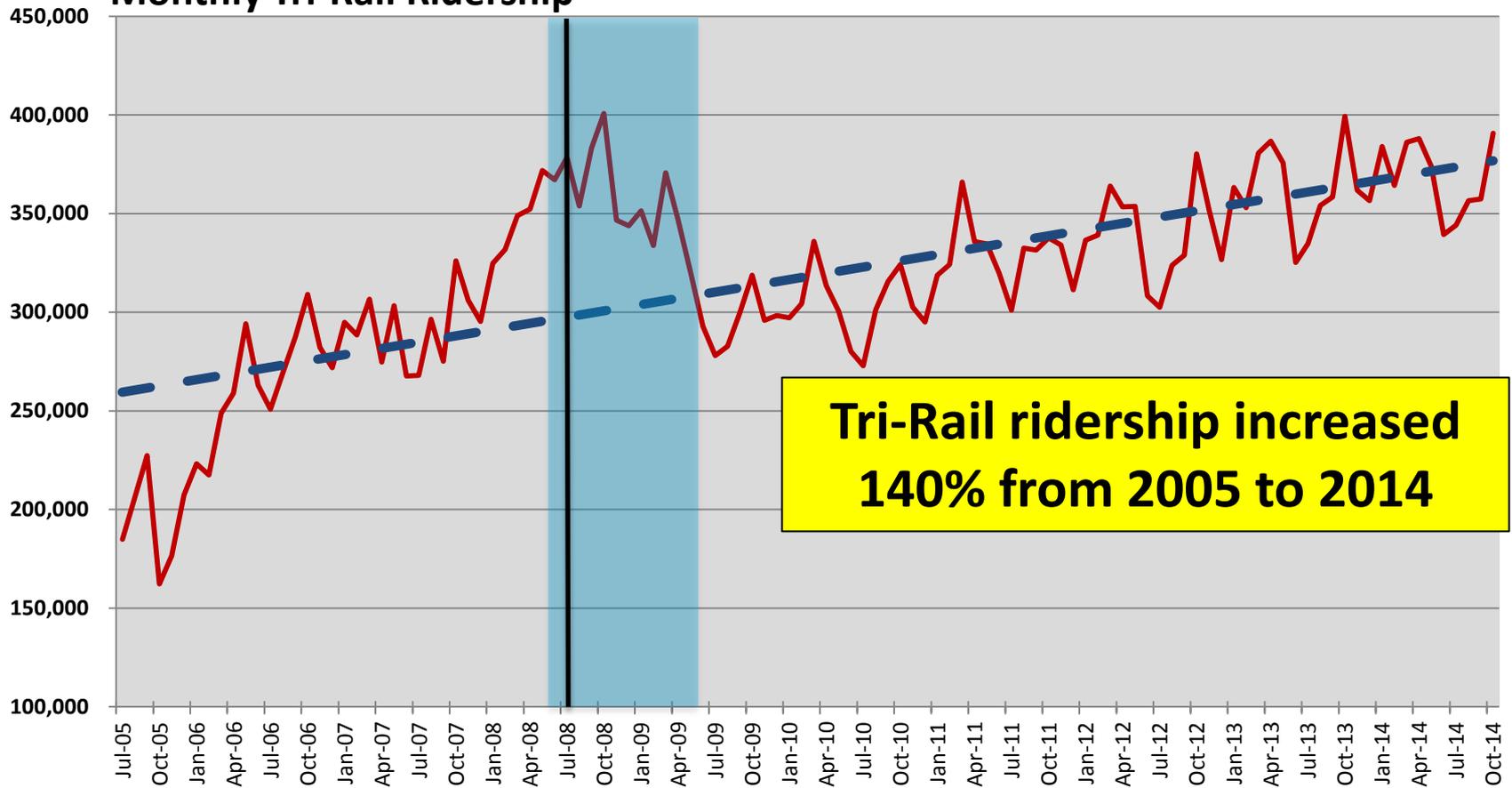




# Tri-Rail's Recent Ridership Growth



### Monthly Tri-Rail Ridership



**Tri-Rail ridership increased 140% from 2005 to 2014**



# Tri-Rail Coastal Link – A Regional Partnership

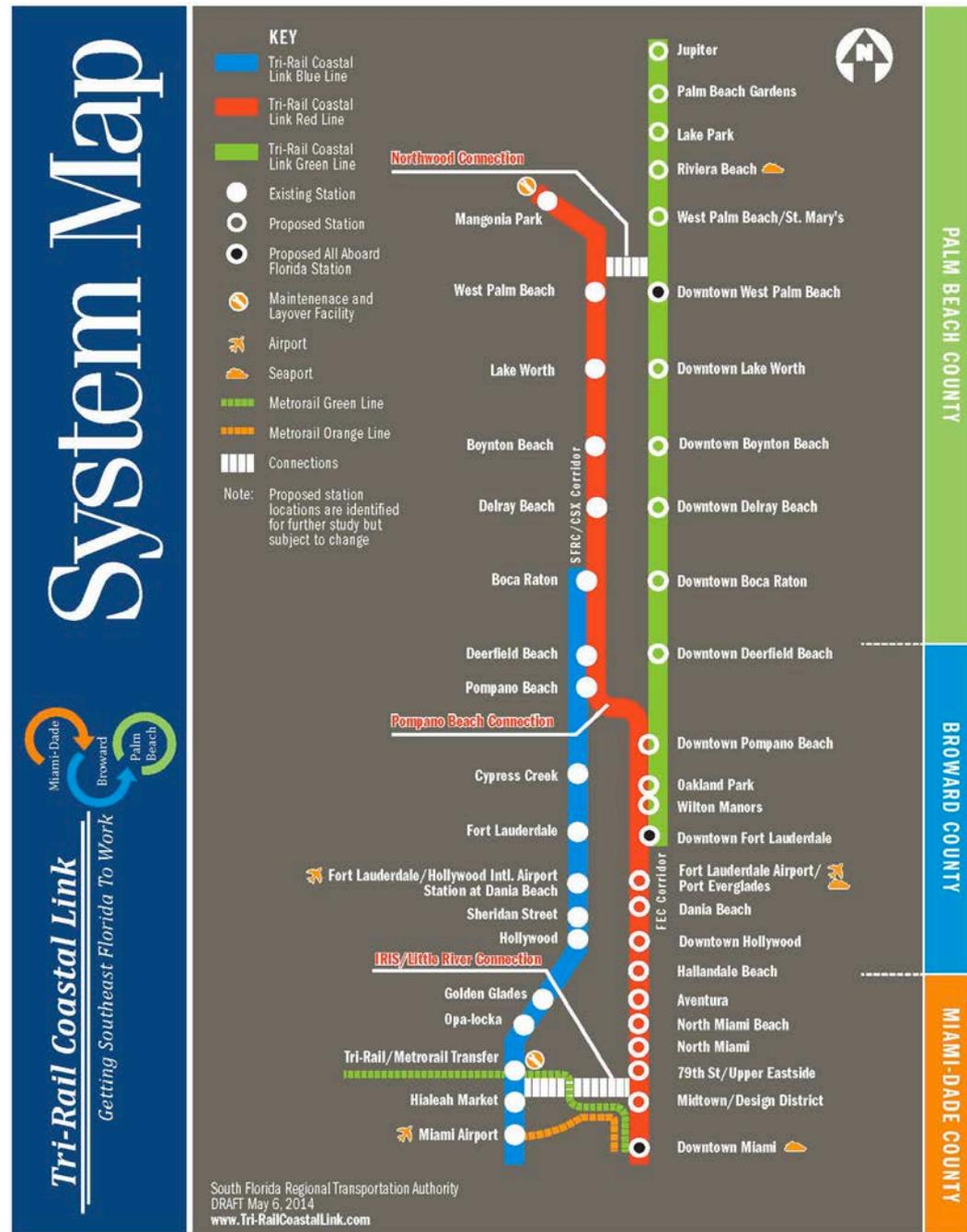


Joint FDOT/SFRTA Letter to Federal  
Transit Administration (FTA) for entry  
into Project Development



# Tri-Rail Coastal Link

*Service Design  
Adopted by Steering  
Committee for  
Project Development*



# Tri-Rail Coastal Link

# System Map



- KEY**
- █ Tri-Rail Coastal Link Blue Line
  - █ Tri-Rail Coastal Link Red Line
  - █ Tri-Rail Coastal Link Green Line
  - Existing Station
  - Proposed Station
  - Proposed All Aboard Florida Station
  - Maintenance and Layover Facility
  - ✈ Airport
  - ⚓ Seaport
  - ▬ Metrorail Green Line
  - ▬ Metrorail Orange Line
  - ▬ Connections
- Note: Proposed station locations are in preliminary stages and subject to change.



PALM BEACH COUNTY

BROWARD COUNTY





# Market & Economic Analysis Results



- \$1.4 Billion of New Development due to TRCL
  - \$580 Million of new residential development
    - 5,500 new residential units
  - \$850 Million of new commercial development
    - 8.3 Million square feet
  - \$18 Million of new tax revenue
- Other Projected Economic Benefits
  - \$630 Million of overall economic output
  - \$250 Million of labor income
  - 28,000 new permanent jobs



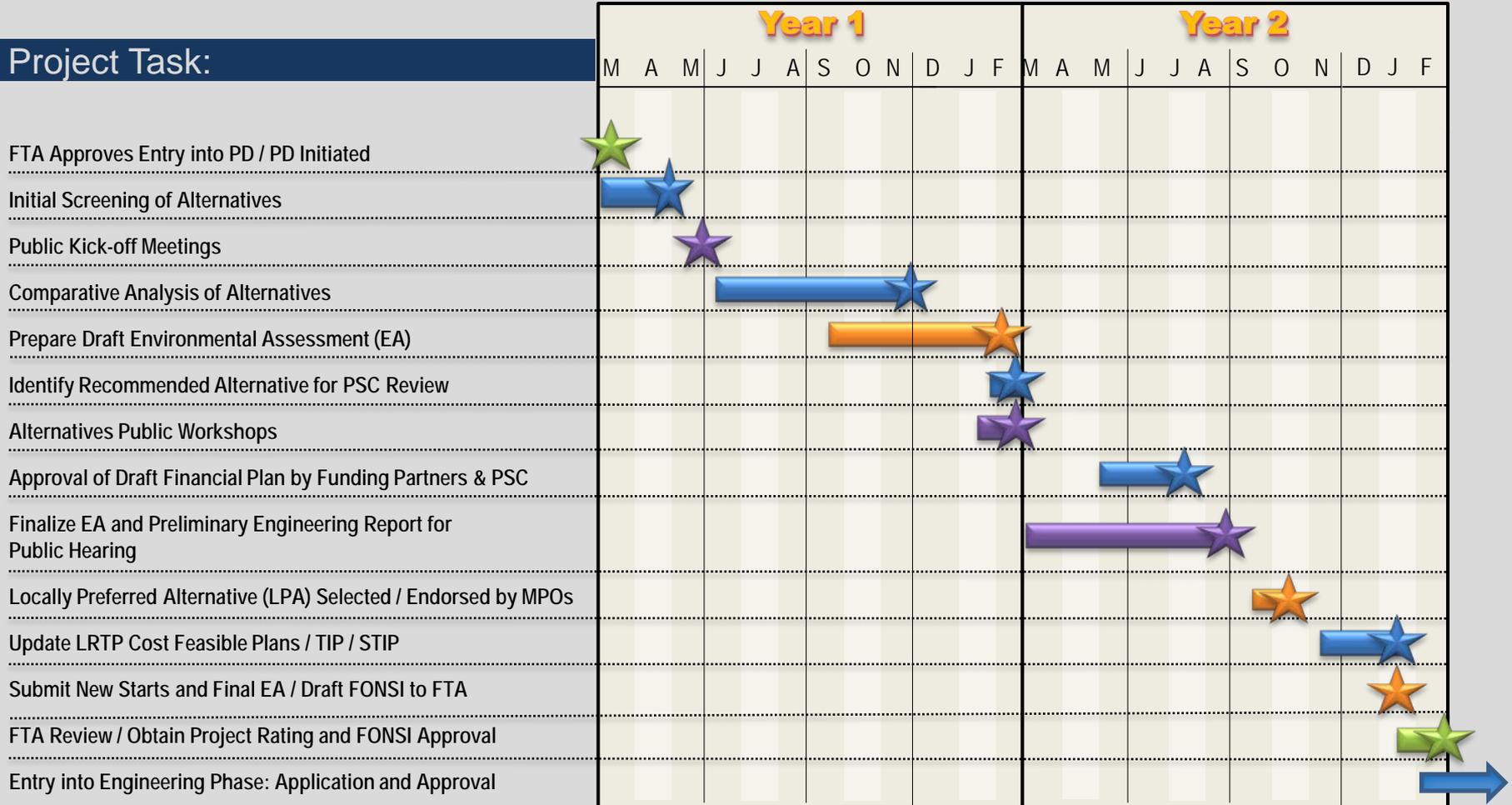
*Source: Station Area Market & Economic Analysis Report, June 2013; SFRTA*



# Project Development Schedule (2 Years)



**Project Task:**



\* Note: Schedule is intended to provide key milestones. Dates are subject to change.



# TRCL Cost Estimates



## Capital cost

➤ \$720-\$796 million (2013\$)

- Assumes AAF service in place prior to TRCL
- Includes use of current SFRTA fleet
- Anticipated capital cost split: 50% federal, 25% state, 25% local

## Operations and Maintenance (O&M) cost

➤ Annual cost of \$33-\$38 million (2013\$)

- Cost is incremental to existing Tri-Rail service
- Gross Costs before reductions for fare box revenue, advertising, federal formula funds, etc.

## Access Fee Not Known

➤ May be Capital, Operations or a Combination



# Financial Sub-Committee Membership

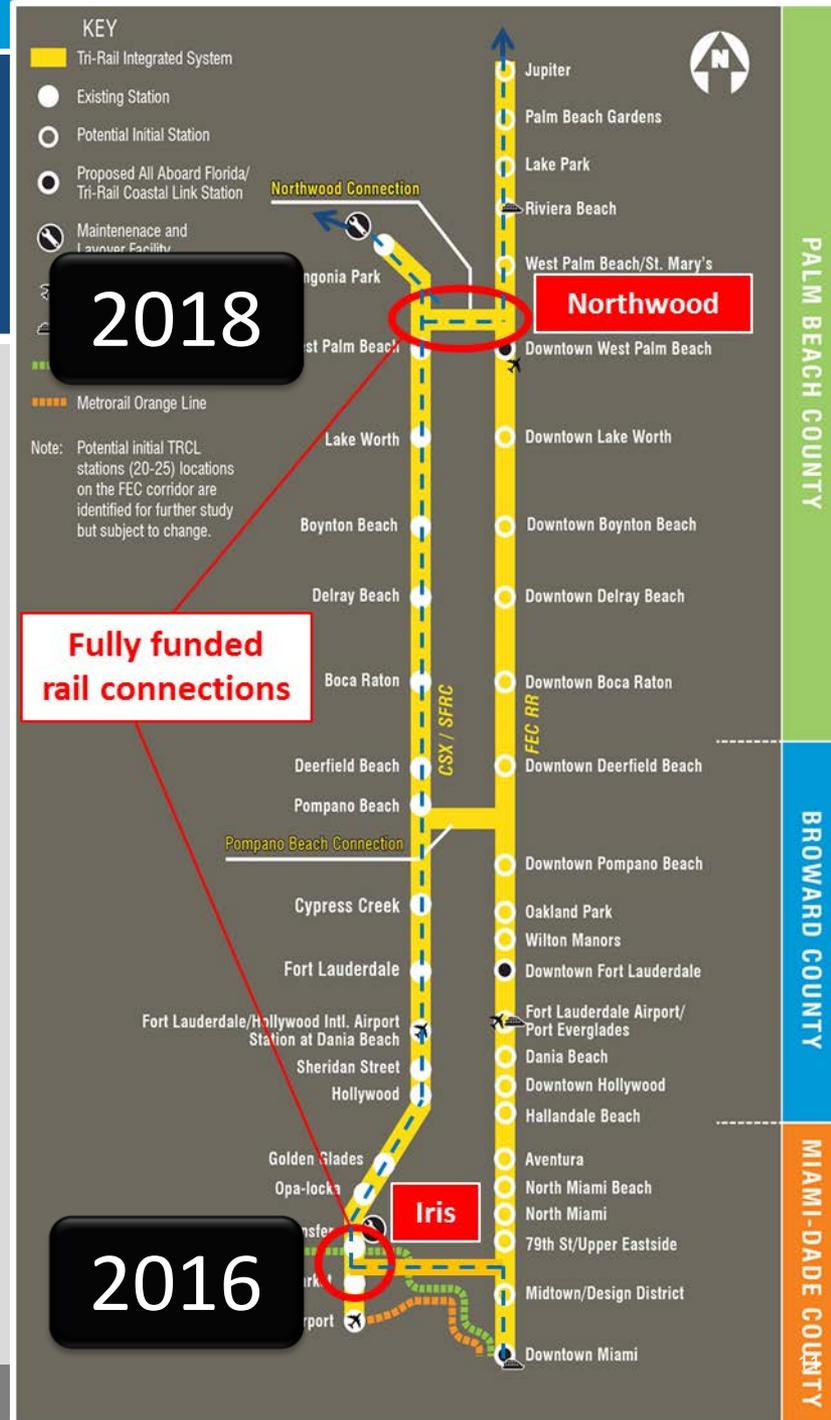


- **SFRTA (lead agency by agreement)**
- FDOT District Four
- Broward MPO
- Miami-Dade MPO
- Palm Beach MPO
- South Florida Regional Planning Council
- Treasure Coast Regional Planning Council
- *Palm Tran, Broward County Transit and Miami-Dade Transit invited*



# USDOT TIGER

- Key east-west rail connections between SFRC & FEC corridors
- Allow for an integrated freight & passenger rail network
- West Palm Beach & Miami rail connections recently funded
  - USDOT TIGER grant
  - Multi-agency partnership

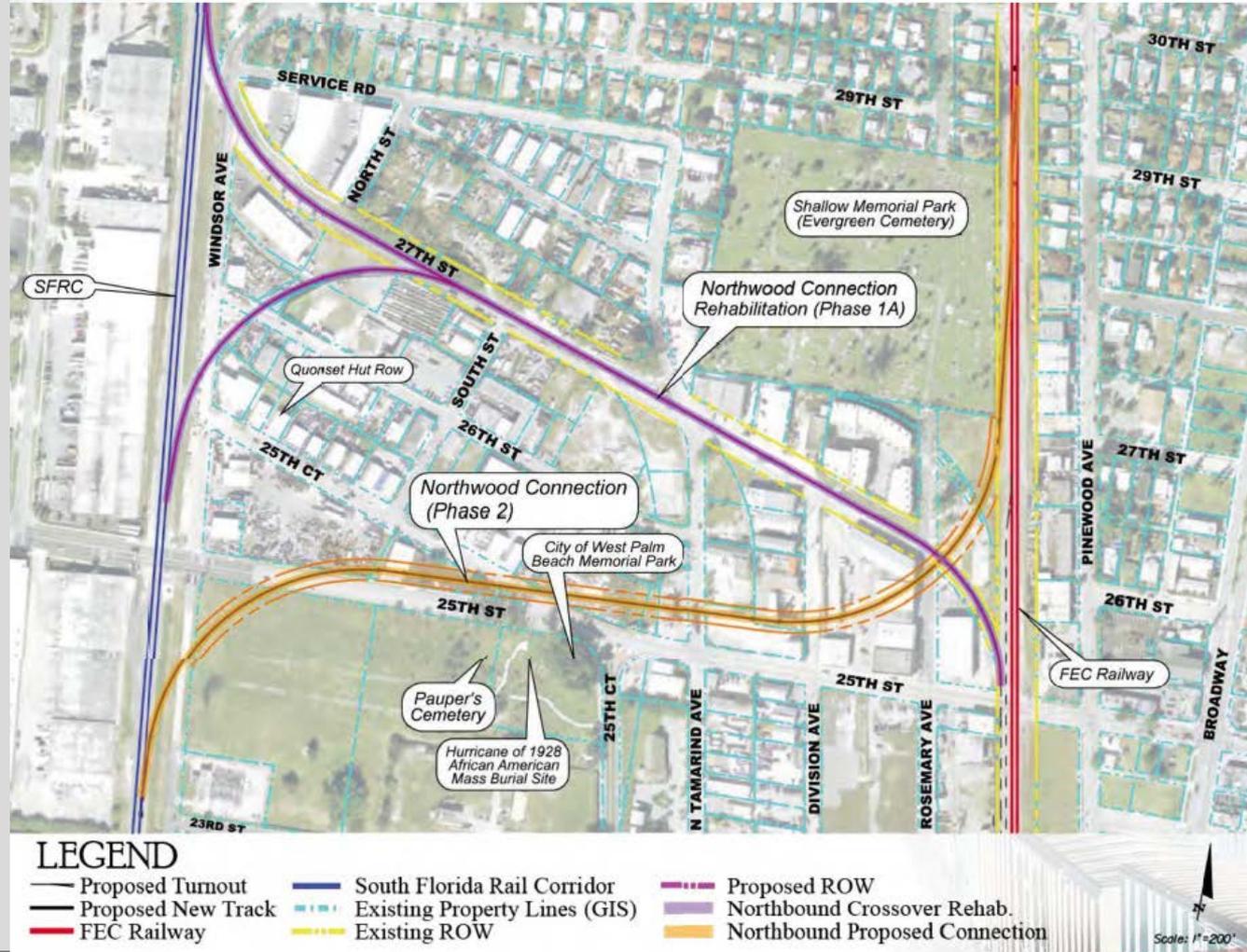




# Northwood Rail Connection



- Design coordination among CSX, AAF, FECR, FDOT (lead) & SFRTA
- Full completion scheduled for 2018
- Key element of TRCL and Tri-Rail Jupiter Extension





# 2013 SFRTA Board Member Request:

**Evaluate Service Extensions made possible by TIGER grant award**



# Interim Extensions

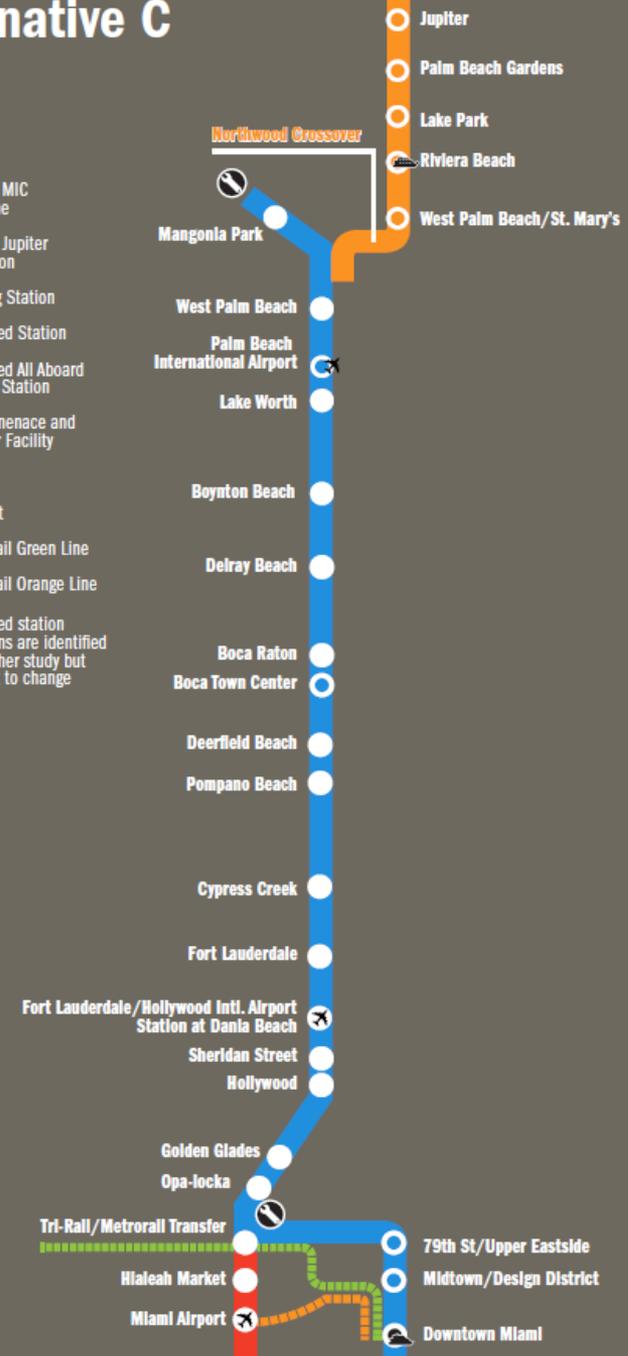
## Two Possible System Extensions:

1. Downtown Miami Extension
2. Jupiter Extension

## Alternative C

- KEY**
- █ Tri-Rail
  - █ Tri-Rail MIC Red Line
  - █ Tri-Rail Jupiter Extension
  - Existing Station
  - Proposed Station
  - ⊙ Proposed All Aboard Florida Station
  - Ⓜ Maintenance and Layover Facility
  - ✈ Airport
  - ⚓ Seaport
  - █ Metrorail Green Line
  - █ Metrorail Orange Line

Note: Proposed station locations are identified for further study but subject to change



PALM BEACH COUNTY

BROWARD COUNTY

MIAMI-DADE COUNTY



# Jupiter Extension



- Allows operation of a “Jupiter Shuttle” with connections at existing West Palm Beach Tri-Rail Station





# Key Role of Palm Beach MPO



- Prioritized Northwood Rail Connection
  - Prior to USDOT TIGER grant award
- Facilitated and funded FEC Railway corridor quiet zone infrastructure
- Prioritized funding for a new Tri-Rail Northern Layover Facility (on SFRC/CSX corridor)
- Included Tri-Rail Jupiter Extension as a “cost feasible” project in the MPO’s recently adopted 2040 Long Range Transportation Plan
  - Potentially able to move forward sooner than overall TRCL project



# Project Benefits



## To Jupiter area residents:

- New mobility option
- Increased access to jobs and education
- Transportation cost savings

## To Jupiter area employers:

- Access to larger pool of employees
- Increased employee productivity



# Anticipated Travel Markets



## Jupiter area residents to:

- Major employment centers
  - West Palm Beach
  - Boca Raton
  - Fort Lauderdale
- Airports
  - PBI, FLL & MIA
  - Travelers & employees
- Colleges/Universities
- Magnet High Schools & Middle Schools
- Entertainment & Special Events



# Anticipated Travel Markets

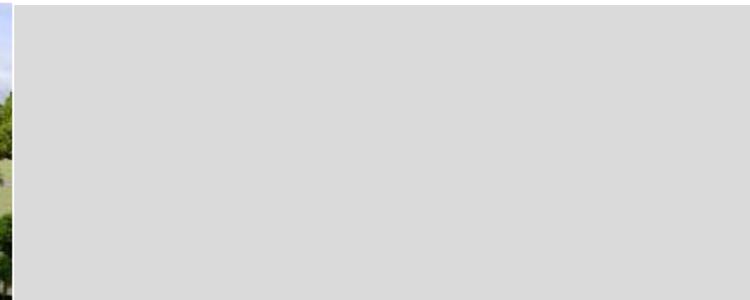


## To Jupiter area employers and destinations:

- Jupiter Medical Center
- F.A.U. Jupiter Campus
- Growing biotech sector jobs
- Numerous service sector jobs
  - Retail
  - Hospitality
- Festivals & special events
- Spring training baseball



# Questions & Comments?



*For additional information, please visit us at...*  
**[www.Tri-RailCoastalLink.com](http://www.Tri-RailCoastalLink.com)**