2045 Long Range Transportation Plan (LRTP)

Plan Overview

December 2019 TPA Committees
What is an LRTP?

A strategic 25-year outlook that leads investment and decision-making to implement the TPA’s vision.

A list of TPA projects and programs, FDOT projects, and major local projects

A document that must be updated every five (5) years per Federal and State regulations.
Timeline

Public Involvement
Presented to the CAC for feedback.

Goals, Objectives, Targets
Presented and recommended by the TAC and CAC for approval.
Presented and recommended by the BTPAC for approval.
Adopted by the TPA Governing Board.

Desires Plan
Presented for information and comment by the TAC and CAC.
Presented for information and comment by the BTPAC.
Presented for information and comment by the TPA Governing Board.

Revenue Forecast
Presented and recommended by the TAC and CAC for approval.
Presented and recommended by the BTPAC for approval.
Presented and discussed at the TPA Governing Board. Tabled action on a proposed resolution to seek a higher allocation of existing state revenues for TPA priority projects.

Draft Cost Feasible Plan
10 Presented and recommended by the TAC and CAC for approval.
11 Presented and recommended by the BTPAC for approval.
18 Presented and discussed at the TPA Governing Board.

Scenario and Implementation Plan
4 Presented and recommended by the TAC and CAC for approval.
5 Presented and recommended by the BTPAC for approval.
18 Coordination Meeting with FDOT District Four staff.
19 Adopted by the TPA Governing Board.
20 Coordination Meeting with Palm Beach County staff.

Draft of Full Plan
2 Presented for information and comment by the TAC and CAC.
3 Presented for information and comment by the BTPAC.
17 Presented for information and comment by the TPA Governing Board.
21 Presented for information and feedback at a Public Workshop.

TPA Governing Board Workshop
15 Conducted TPA Governing Board Workshop.

LRTP Adoption
4 Presented and recommended by the TAC and CAC for approval.
5 Presented and recommended by the BTPAC for approval.
12 Adopted by the TPA Governing Board.
Where are we?

- Home to 1.43 million residents in 2017
- Total of 6.1 million residents in the greater Miami-Fort Lauderdale-West Palm Beach metropolitan area
- 7th largest metropolitan area in the country
- Continues to grow rapidly and services major employment and visitor destinations
- Diverse population
Existing Facilities

Map series
- Pedestrian Facilities
- Wider Paths
- Bicycle Facilities
- Transit
- Freight Facilities
- Designated Truck Routes
- Functional Classification
- Roadway Designation

Existing Transit Services
Expected Growth

by 2030...
+222,000 residents, +102,000 jobs

by 2045...
+175,000 residents, +108,000 jobs

PBC will have nearly 1.8 million people and 930 thousand jobs in 2045
Multimodal Forecast

People walking, bicycling, riding transit, or driving a car all use the transportation system for daily needs.

Predict where people will walk, bike, ride transit and/or drive.

propensity for active transport based on where people live, work, play, learn, and access transit
Walk/Bike Level of Stress

Represents a user’s estimated level of comfort, or “traffic stress” on the street.

Lower score indicates street is more comfortable to walk and bicycle along.

Higher score suggests the street is stressful for anyone, regardless of age or ability.

Pedestrian level of traffic stress
Public Input

Online survey in English & Spanish

2,960 survey respondents

Intercept events

Public workshop (open house)

Survey respondents who submitted zip codes
Which of the following transportation funding sources would you support?

- Vehicle registration: 40.4%
- Gas tax: 38.3%
- Property tax: 14.0%
- Tolls: 22.7%
- Sales tax: 33.3%

How much would you spend on each type of project with $100?
- $13.50 pedestrian projects
- $15 bicycle projects
- $25 transit projects
- $24.50 roadway capacity
- $22 technology-based projects

How often do you travel to Broward and/or Miami-Dade counties?
- Daily: 9.2%
- Frequently: 6.0%
- Regularly: 10.6%
- Occasionally: 31.2%
- Rarely: 43.0%

There is a lot of discussion these days about self-driving vehicles. Would you consider traveling in one?
- Maybe: 30.8%
- Yes: 31.9%
- No: 37.3%

What are your top concerns about transportation in Palm Beach County?
- Inadequate public transit: 41.7%
- Traffic congestion: 28.9%
- Safety: 7%
- High costs: 22.1%

When coordinating improvements with adjacent counties, which are most important?
- #1: Improved roadway travel for automobiles
- #2: Improved public transportation
- #3: Improved connections between major regional destinations

*Drive includes drive alone, carpool, and rideshare*
The goals, objectives, performance measures, and targets reflect the TPA’s vision of a safe, efficient, and connected multimodal transportation system.

- Quantitative performance measures identified for each objective.
- Planning year targets identified for short-term and long-term accountability
- Local Targets inform project selection for the LRTP Desires Plan
Desired Projects

A list of projects that address our projected multimodal transportation demands.

Unconstrained by readily available financial forecasts.

Includes pedestrian projects to fill in known gaps, bicycle projects to improve the bicycle network, enhanced transit corridors, and roadway construction and widening projects.
Desired Projects

Legend

- Tier 1 Sidewalk Gaps
- Tier 2 Sidewalk Gaps

Legend

- Tier 1 Bicycle Corridors
- Tier 2 Bicycle Corridors

Preferred Bicycle Facilities:
1. Separated, consistent with FHWA Complete Street Design Guidelines
2. Buffered, on-street access and on-street or shoulder separation, and protected lanes
3. Designated, on-street bike lanes with on-street or protected buffered facilities
Desired Projects

- Enhanced transit corridors
- Roadway capacity
### Financial Forecast

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<td>TPA Projects on State Roads</td>
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**Funding available for TPA Prioritization.**

**Funding prioritized by FDOT and Florida's Turnpike. TPA role is to endorse/modify/reject projects. Funding shown reflects planned projects in Palm Beach County over next 25 years.**

**Funding available for Palm Beach County Prioritization, included in LRTP per federal regulations. TPA can choose to exclude specific projects but this does not constrain County actions.**
Cost Feasible Projects

TPA Priorities
TPA Board directly prioritizes funding of projects.

Florida Department of Transportation
Strategic Intermodal System (SIS) and Turnpike Projects.
TPA Board action to endorse/modify/reject - impacts project outcome.

Palm Beach County
Administered through Palm Beach County 5-Year Road Program.
Shown for information and planning consistency purposes.
TPA Board can choose to include/exclude projects, but Palm Beach County is not constrained by TPA actions.
Projects with Funding for Construction through 2045

LI & TA Programs
State Road Mods Program
TPA Major Projects*
Strategic Intermodal System
County

*presumes US 27 connector as a state road
Projects with Funding for Studies through 2045

- 561 Plan - enhanced transit corridors
- Tri-Rail Coastal link to Jupiter
- Southern Blvd capacity
Endorsing the LRTP Update means these TPA Priorities move forward...

- **Three (3) roadway corridor investments**
  - SR-7 (Okeechobee Blvd to Northlake Blvd)
  - Atlantic Avenue widening from SR-7 to Jog Rd
  - US 27 Connector and Hooker Hwy widening

- **Three (3) Annual Funding Programs**
  - Continue Local Initiatives (LI)
  - Continue Transportation Alternatives (TA)
  - Create State Road Modifications using State Funds
    - Complete Streets, Safety, Transit, TSM&O, Resiliency

- **Studies for 561 Plan enhanced transit corridors**
  - Fund two (2) passenger stations on FEC
Endorsing the LRTP Update means these FDOT Priorities move forward...

- **I-95 Corridor** - $1.74B
  - Widening to 12L w/ managed lanes from Linton Blvd to Blue Heron Bl
  - Widening to 8L north of Indiantown Rd
  - 1 New Interchange (Central Bl) and 17 interchange modifications

- **Turnpike Corridor** - $2.48B
  - Widening to 10L w/ managed lanes from Broward Co to Boynton
  - Widening to 8L w/ managed lanes from WPB Service Plaza to SR 710
  - Widening to 8L from SR 710 to Indiantown Rd

- **SR 710 Corridor** - $123M
  - Widening to 6L from Blue Heron Blvd to Northlake Blvd
  - Modified at-grade intersection at Northlake Blvd

- **US 27 add freight capacity from Broward Co to Hendry Co** - $329 M

- **SR 80 Corridor** - $70 M
  - Widening to 8L from Binks Forest Dr to Royal Palm Beach Blvd
  - PD&E study only from Royal Palm Beach Blvd to I-95
  - SR 80 at SR 7 interchange modifications
Endorsing the LRTP Update means these County Priorities move forward...

- 13 new roadway segments - $104M
- 64 roadway widening projects - $403M
- 13 larger intersection modification projects - $62M
- Line item for smaller intersection projects countywide - $145M
MOTION TO RECOMMEND ADOPTION

2045 Long Range Transportation Plan (LRTP)