2045 Long Range Transportation Plan (LRTP)

October 2019 Committee Meetings
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.

MISSION
To collaboratively plan, prioritize, and fund the transportation system

VISION
A safe, efficient, and connected multimodal transportation system
Timeline

Public Involvement
Presented and recommended by the CAC for approval.

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. Tabled action on a proposed resolution to seek a higher allocation of existing state revenues for TPA priority projects.

Scenario & 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.

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

Reach nearly 1.8 million people and 1.1 million jobs in 2045
Multimodal Forecast

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

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

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

Lower the score, the more comfortable a street is to walk and bicycle along.

Higher the score, considered stressful for anyone, regardless of age or ability.
Public Input

2,960 survey respondents

Intercept events

Online survey in English & Spanish

Survey respondents who submitted zip codes
1.3% walk
1.7% bike
6.6% ride
90.4% drive*

*Drive includes drive alone, carpool, and rideshare

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%
- Regularly: 10.6%
- Occasionally: 31.2%

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?
- Traffic congestion: 41.7%
- Inadequate public transit: 28.9%
- Safety: 22.1%
- High costs: 7%

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
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
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 reconstruction and widening projects.
Desired Projects

Legend
Tier 1 Sidewalk Gaps
Tier 2 Sidewalk Gaps

Legend
Tier 1 Bicycle Garettors
Tier 2 Bicycle Garettors

Preferred Bicycle Facilities
1. Separated, consistent with TTA Complete Street Design blueprints
2. Buffered, single access and no pedestrian conflicts, painted oraggio lanes
3. Designated, shared right of way, buffered or marked buffered facilities

Sidewalk Gaps

Bicycle Priority Network
Desired Projects

**Legend**
- Desired Transit Service
  - TPA
  - Enhanced Transit corridors
  - Streetcar Service
  - Streetcar Stations
- Existing Transit Service
  - Local Bus Service
  - Streetcar Service
  - Streetcar Stations
  - Virgin Trains USA Stations

**Enhanced transit corridors**

**Roadway capacity**
Desired Projects - Palm Beach County

for information/planning consistency

- PBC submitted initial list of projects
- TPA proposed inclusion of projects where:
  - 2045 volume/capacity is over 1.2
  - Parallel roadway congestion warrants new links
  - Right-of-way impacts are not significant/adverse
- PBC requested that TPA plan include:
  - 2045 model volume/capacity over 1
  - New roadways even if parallel corridors are not congested
  - Wider roadways even if right-of-way impacts are significant/adverse
  - Intersection projects
# Financial Forecast

## TPA Prioritization

Funding available for TPA Prioritization.

<table>
<thead>
<tr>
<th>Program</th>
<th>20-24 (TIP)</th>
<th>25-30</th>
<th>31-35</th>
<th>36-45</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA Major Projects</td>
<td>$74.5</td>
<td>$176.6</td>
<td>$170.6</td>
<td>$443.0</td>
<td>$864.8</td>
</tr>
<tr>
<td>Local Initiatives and Transportation Alternatives</td>
<td>$117.7</td>
<td>$141.2</td>
<td>$117.7</td>
<td>$235.3</td>
<td>$611.8</td>
</tr>
</tbody>
</table>

## Florida Department of Transportation Prioritization

Funding available for FDOT Prioritization. TPA is to endorse/modify/reject projects.

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<tbody>
<tr>
<td>Strategic Intermodal System (SIS)</td>
<td>$269.8</td>
<td>$378.9</td>
<td>$687.2</td>
<td>$5,220.8</td>
<td>$6,556.7</td>
</tr>
<tr>
<td>Turnpike</td>
<td>$451.5</td>
<td>$2,374.5</td>
<td>-</td>
<td>-</td>
<td>$2,826.0</td>
</tr>
</tbody>
</table>

## Palm Beach County Prioritization

These revenues fund the Palm Beach County 5-Year Road Program. They are shown for information and consistency purposes in LRTP.

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</tr>
</thead>
<tbody>
<tr>
<td>Palm Beach County</td>
<td>$294.8</td>
<td>$336.0</td>
<td>$242.0</td>
<td>$494.0</td>
<td>$1,366.8</td>
</tr>
</tbody>
</table>
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 enhanced transit corridors
- Tri-Rail Coastal link to Jupiter
- Southern Blvd capacity
Thank you!