Transportation Plan Update
Multimodal Desires Plan
Thursday, May 2, 2019
Multimodal Forecasting
Overview

- **Pedestrian and Bicycle**
  - Projects in high propensity areas that address social equity and level of stress (LTS)

- **Transit**
  - Premium network based on pop/job density, transit propensity and social equity
  - Dense, Linear and Walkable Corridors

- **Roadways and Freight**
  - SIS Cost Feasible Plan
  - TPA Priorities on non-SIS roadways
  - County/City roadways supported by projected demand/anticipated congestion
Vision: A safe, efficient, and connected multimodal transportation system
Pedestrian and Bicycle Desires Plan
Methodology

- **Areas of need**
  - Highest active transportation demand *(propensity for walking and biking)*
  - High concentration of vulnerable populations
  - Connecting to premium transit corridors

- **Pedestrian and Bicycle supply analysis**
  - Level of Traffic Stress (LTS) *(comfort level for able-bodied people)*
  - Considers active facility type, vehicle speed, travel lanes and volumes
Pedestrian and Bicycle Areas of Need

- Active transportation propensity
- Concentration of vulnerable populations
### Pedestrian and Bicycle Level of Traffic Stress

#### Pedestrian Facility and Posted Speed Limit

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Pedestrian Desires Plan

- Tier 1 pedestrian projects
  - Missing sidewalks in priority areas
- Tier 2 pedestrian projects
  - All other sidewalk gaps
- Additional LRTP Focus Areas
  - Enhanced streetscape/furnishing zone
  - Enhanced crosswalks
  - Additional mid-block crossings
Bicycle Level of Stress, Types of Cyclists

- **LTS 1** - All Ages and Abilities
  - Require separated facilities
- **LTS 2** - 51% of Population
  - Interested but concerned
  - Separated facilities on 4+ lane roads
- **LTS 3** - 5% of Population
  - Enthused and confident
  - Buffered facilities on 4+ lane roads
- **LTS 4** - 7% of Population
  - Strong and Fearless
  - Designated facilities on 4+ lane roads
Bicycle Desires Plan

- Separated bicycle facility network

- Upcoming refinements
  - Evaluate constructability, connectivity
  - Add buffered bike facilities
  - Estimate cost to construct network
  - Show existing designated facilities
Transit Desires Plan
Premium Transit Desires Plan - $5.2B

- Five (5) N/S Corridors
  - Commuter Rail: Tri-Rail, Coastal Link
  - BRT Lite: US 1, Congress, Military

- Six (6) E/W Corridors - LRT/BRT
  - Okeechobee, Forest Hill, Lake Worth, Boynton Beach, Atlantic, Glades

- Corridor Evaluation System
  - Factored Ridership - 40%
  - Population and Employment Near Stops - 30%
  - Corridor Work Trips - 20%
  - Population and Employment Growth - 10%
Commuter Rail Highlights

- Tri-Rail Coastal Link - WPB to Jupiter
- Tri-Rail Coastal Link - Miami to WPB
- Tri-Rail Extension to VA Hospital
- New Tri-Rail Station in Boca Raton
  - Military Trail S of Glades Road
Transit Corridors already prioritized by TPA

- **Tri-Rail Coastal Link** from West Palm Beach to Jupiter

- **US-1** from Palmetto Park Rd (Boca) to PGA Blvd (Gardens Mall)

- **Okeechobee** from SR 7/Forest Hill Blvd (Wellington Mall) to West Palm Beach Intermodal Center
Roadway and Freight Desires Plan
Roadway and Freight Improvements - $7.6B

- **Strategic Intermodal System**
  - 35 projects, $6.9B total cost

- **TPA Roadway Projects**
  - 6 capacity projects, $209M total cost
  - 5 repurposing projects, $27M total cost

- **County Capacity Projects**
  - 48 projects, $442M total cost
SIS Projects - $6.9B

- Based on SIS Cost Feasible Plan
  - Adopted by FDOT in 2018
- I-95 Managed Lanes, 16 interchanges - $2.8B
- Turnpike Managed Lanes - $1.9B
- SR 80 4L elevated expressway - $1.2B
- US 27 “Freight Capacity” - $0.6B

TPA role: Endorse/Modify/Reject
TPA Projects - $208M

- Capacity Projects
  - SR 7, Atlantic Ave, US 27 Connector, Hooker Hwy
PBC Projects - $442M

- Central County
- Agricultural Reserve
- Southwest Unincorporated Area
LRTP Schedule
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⭐️ Governing Board Presentation
Thank you!