



Transportation Improvement Program
Priority Projects
FY 2016-2020

Adopted September 18, 2014



Chair

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Overview

The Palm Beach Metropolitan Planning Organization (MPO) Transportation Improvement Program (TIP) for Fiscal Years 2016 through 2020 begins with preparing a list of Priority Projects. Florida Statutes require the MPO to transmit the project list to the Florida Department of Transportation (FDOT) by October 1 of each year. FDOT uses the project list to develop their Five Year Work Program and the MPO uses the project list to develop the TIP. The current project list was approved by the Palm Beach MPO Board September 18, 2014.

The Palm Beach MPO expects all currently programmed projects to advance to implementation unless otherwise indicated. For this reason, all previous Priority Projects that have not yet been implemented continue to be shown on the project list. If FDOT cannot complete the programmed phase and advance a Priority Project to the next logical phase, it is incumbent that the agency provides an explanation to the Palm Beach MPO.

Selection Process

A list of candidate projects was developed with emphasis on preserving the existing transportation infrastructure, enhancing Florida's economic competitiveness, and improving travel choices to ensure mobility. The priority projects are divided into four categories as noted below.

Major Highway, Transit and Freight Projects These projects were selected from the list of cost feasible projects in the adopted Long Range Transportation Plan (LRTP). The LRTP contemplates funding these projects with a mix of "Other Arterial and Transit" Capacity Program Revenues. In selecting these projects, the Palm Beach MPO planned for the mix of public transportation and highway improvements that best meets the needs of the Palm Beach Metropolitan Planning Area.

Local Initiative Projects These projects were selected from applications received by the MPO in the following categories: Transportation System Management (TSM), Transit, Non-motorized and Freight. The adopted LRTP contemplates funding these projects at a minimum of approximately \$17M per year, primarily funded with federal Surface Transportation Funds allocated directly to the Palm Beach MPO. Applications for local initiative projects were solicited from transportation service providers, county and municipal staff, public and community stakeholder input, and via MPO staff analysis within the congestion management process and concurrency management system. Projects were evaluated and ranked by MPO staff and approved by the advisory committees and the MPO.

Transportation Alternative Projects These projects were established through an evaluation process that assigned scores to projects submitted by local municipalities and the county. The evaluation criteria included items such as access to schools, recreation facilities, shopping opportunities and similar activities. The projects were also evaluated for consistency with local and areawide plans. Projects were ranked by the Bicycle/Pedestrian/Greenway Advisory Committee and approved by the TAC, CAC and MPO.

Strategic Intermodal System and Turnpike Projects Although it is understood that FDOT initiates projects on the Strategic Intermodal System and within the Turnpike system, the Palm Beach MPO has also included a list of suggested projects of particular importance to the local community. It is our request that projects included in this list be advanced by FDOT for funding from the SIS and Turnpike revenue sources.

All candidate projects were first evaluated against the following eligibility criteria:

- a. Is the project identified as cost feasible in the adopted LRTP, either explicitly or within a funding category for Local Initiatives or Transit Alternatives (i.e. non-regionally significant projects)?
- b. Would the project violate any policy constraints of the subject jurisdiction?
- c. Has sufficient information been provided to explain the scope of the project and justify the need?

Eligible projects were then evaluated and ranked pursuant to the Goals, Objectives and Values of the adopted LRTP. The following LRTP values form the basis for the evaluation:

1. Improve the safety and security of the transportation system for all users.
2. Fund maintenance and rehabilitation of existing infrastructure before expanding.
3. Implement transportation system management and operation (TSM&O) and transportation demand management (TDM) strategies to maximize efficiency of existing system before expanding.
4. Maximize benefits of existing transportation revenues.
5. Provide multimodal access to areas with low income and/or traditionally underserved populations.
6. Support context-sensitive implementation of complete street principles in or near identified redevelopment areas or urban centers.
7. Support economic growth and development through projects consistent with local comprehensive plans and with minimal environmental impacts.
8. Promote regionally significant facilities and coordination of projects crossing jurisdictional boundaries to facilitate effective movement of people and goods.
9. Prioritize non-motorized facilities at all transit hubs, interchanges, bridges, and railroad crossings.
10. Invest in an efficient, convenient and attractive mass transit system.

The MPO prepared and adopted the following list of priority projects that is multimodal in nature and provides overall direction to the Department in allocating funds. The public involvement process included presentation and discussion of the project list at meetings open to the public; agendas for these meetings were provided to the local news media and posted on the MPO website. The Technical Advisory Committee reviewed the project list on September 3, 2014 and recommended approval by the MPO. The Citizens Advisory Committee reviewed the project list and made recommendations to the MPO at their meeting on September 3, 2014. At the MPO meeting, citizens were provided an opportunity to comment on projects of concern to their local area or interests prior to adoption. The MPO considered those comments during the discussion of the project list. On September 18, 2014, the MPO adopted the annual list of priority projects.

FY 16-20 MAJOR HIGHWAY, TRANSIT AND FREIGHT PRIORITY PROJECTS

Rank	Project	Location	Description	Status / Funding Need
1	SR 7	60 th St to Northlake Blvd.	Construct new 4 lane road	Fully funded – ROW in FY 15-17, Construction in FY 16
2	SR 7	Okeechobee Blvd. to 60 th St	Widen from 2 to 4 lanes	Fully funded – Construction in FY 17
3	SR 7	Broward Co Line to Glades Rd	Construct TSM improvements: buffered green bike lanes, shared use pathways, transit shelters and turn lane improvements	Fully funded – Design in FY 15, Construction in FY 19.
4	Glades Rd	SR 7 to Federal Highway	Construct TSM improvements: Additional westbound lane from Airport Rd. to I-95. Additional transit scope pending.	Design funded in FY 15, construction in FY 18. Fund additional transit scope.
5	FEC Railroad Crossings	Countywide	Capital for Safety/Quiet Zone infrastructure on FEC corridor	Fully funded – Capital funds in FY 16.
6	Tri Rail - Support Facility	Northern Layover Facility	Construct new facility to enhance operation and maintenance of existing system, support Jupiter extension	Fully funded – Design in FY 15 Construction in FY 17-19
7	Tri Rail - New Service Extension	West Palm Beach to Jupiter	Extend commuter rail service onto the FEC corridor via the Northwood Crossover and construct 3 new stations – 45 th Street, PGA Blvd, and Toney Penna Dr.	Partially funded in FY 18-19 Fund remaining capital costs, resolve FEC access fee
8	Palm Tran - Support Facility	West Palm Beach and Delray Beach Maintenance Facilities	Fund design and construction of expansions to existing maintenance facilities to support existing system and planned growth	WPB – Design in FY 18 Delray – Design in FY 18, Construction in FY 19 Fund Construction of WPB site

FY 16-20 MAJOR HIGHWAY, TRANSIT AND FREIGHT PRIORITY PROJECTS (Continued)

Rank	Project	Location	Description	Status / Funding Need
9	Tri Rail	East side of Military Trail south of Glades Road	Construct second Tri Rail station in Boca Raton on CSX/SFR corridor	Design in FY 17, Construction in FY 18 Provide capital SU funds to match state TRIP funds
10	Atlantic Ave	SR 7 to west of Lyons Road	Widen from 2 to 4 lanes	Fund PDE, Design and Construction

FY 16-20 LOCAL INITIATIVE PROJECTS

Rank	Category	Project	Location	Description	Status / Funding Need
1	TSM	Southern Blvd.	At Sansbury's Way	Add eastbound right, second westbound left and widen C-51 canal bridge to receive lanes	Fully funded – Design in FY 15, Construction in FY 18
2	Non-Motorized	SE Avenue G	Main St. to SE 9th St/ Gove Elementary School	Construct sidewalk on the S side of SE Ave G	Design in FY 15 Fund Construction
3	TSM	SR 710 Beautification	W of Australian Ave to Dixie Hwy	Install Phase C median irrigation and landscaping	Fully funded – Design in FY 17, Construction in FY 18
4	Non-Motorized	Palmetto Park Rd	SR 7 to NW 2 nd Ave	Construct 10-ft+ multi-use pathway on the south side of Palmetto Park	Design in FY 15 Fund Construction
5	TSM	PGA Blvd	Turnpike/Ave of Champions to US 1	Install Adaptive Traffic Control System	Fully funded - Design in FY 16, construction in FY 18
6	Transit	Palm Tran	Systemwide Fare Collection	Implement Palm Tran Easy Card interface	Fully funded - Capital funds in FY 15
7	Non-Motorized	US 1	CR A1A to Beach Road	Add bike facilities to bridge rehab project at approximate cost of \$2M	Construction in FY 16 Fund bike facility addition
8	Transit	Camino Real	East of Dixie Highway	Install bus shelter at Palm Tran/BCT Joint bus stop	Fully funded - Capital funds in FY 15
9	Transit	Palm Tran	Route 43 (Wellington to WPB via Okeechobee Blvd)	Install transit signal priority system	Fully funded - Capital funds in FY 15
10	Transit	Palm Tran	Route 62 (Wellington to Lake Worth via Lake Worth Rd)	Install transit signal priority system	Fully funded - Capital funds in FY 15

FY 16-20 LOCAL INITIATIVE PROJECTS (Continued)

Rank	Category	Project	Location	Description	Status / Funding Need
11	TSM	Indiantown Road	Island Way to US 1	Install Adaptive Traffic Control System	Fund Design and Construction
12	Non-Motorized	SR 15/ US 441	Shirley St to E 5th St	Install 10-ft+ shared use pathway on south/west side of corridor, install street lighting if City of Pahokee accepts O/M obligation, and install traffic signals at SR 729/State Market Road and at Barfield Hwy if warranted	Fund Design and Construction
13	TSM/ Non-Motorized	US 1 / Broadway Blvd	11th Street to Silver Beach Road	Install decorative street lights on east side of corridor if City of Riviera Beach accepts O/M obligation	Fund Design and Construction
14	TSM	Australian Ave	1st Street to Blue Heron Blvd	Mill and resurface the roadway to provide dedicated bike lanes concurrent with FM 229896.1 and PBC projects 2013102 and 2012101. Install decorative street lighting on both sides of corridor and median landscaping if City of Riviera Beach accepts O/M obligation.	Fund Design and Construction
15	TSM	Congress Ave	N of 45th Street to Blue Heron Blvd	Install decorative street lighting, irrigation and median landscaping if City of Riviera Beach accepts O/M obligation	Fund Design and Construction
16	TSM	Bridge Replacement Projects	Various as noted in description	Replace bridges and introduce bike/ped facilities where missing. Bridge design must maximize vertical clearance to promote waterway navigation. Locations: Drexel Rd (L-2 Canal), Florida Mango Rd (L-2, L-5 and L-6 Canals), Kirk Rd (L-5 and L-7 Canals), Sherwood Forest Blvd (L-8 Canal), Davis Rd (L-6 Canal)	Fund Evaluation, then Design and Construction

FY 16-20 LOCAL INITIATIVE PROJECTS (Continued)

Rank	Category	Project	Location	Description	Status / Funding Need
17	TSM	SR 80	At CR 880 Intersection	Install street lighting to improve safety at rural intersection	Fund Design and Construction
18	Non-Motorized	Indiantown Road	67th Road to Alt A1A	Install patterned pavement crosswalk improvements at signalized intersections	Fund Design and Construction
19	Non-Motorized	Lowson Blvd/ SW 10th St	Military Trail to SE 6th Ave	Install bike lanes and sidewalks	Fund Design and Construction
20	Transit	Lake Worth Road Trolley	Palm Beach State College to Lake Worth Beach	Evaluate trolley service feasibility, identify best route and shelter locations, and purchase 4 vehicles and construct 2 shelters	Fund Study, Design and Capital Costs
21	TSM	Fiber Optic Traffic Signal Network	Various as noted in description	Install fiber optic communication cable to connect additional traffic signals to ITS network within the following corridors: SR 80 - Big Blue Trace to Lion Country Safari, Seminole Pratt - SR 80 to Northlake Blvd, Lyons Rd - Lantana Rd to Boynton Beach Blvd, Lawrence Rd - Hypoluxo Rd to Boynton Beach, Military Trail - Linton Blvd to Glades/Butts Rd	Fund Design and Construction
22	Non-Motorized	Hamlin Blvd	190th St to 180th Ave N	Construct a 6-ft pathway on the north side of the corridor with a pedestrian crossing at the main entrance to County Pines Park	Fund Design and Construction
23	Non-motorized	Swinton Ave	S 10th St to NE 22nd St	Install designated bike lanes	Fund Design and Construction

FY 16-20 LOCAL INITIATIVE PROJECTS (Continued)

Rank	Category	Project	Location	Description	Status / Funding Need
24	Non-motorized	Homewood Blvd	Old Germantown Road	Install bike lanes and sidewalks	Fund Design and Construction
25	TSM	Vehicle Detection at Traffic Signals	Select 25 mast arm traffic signals with inductive loop detection	Replace inductive loops with video camera detection to improve reliability of vehicle detection and provide count data collection	Fund Design and Construction
26	Non-motorized	Clint Moore Road	Congress Ave to 2nd St	Construct 8-ft+ shared use pathway on the south side of the corridor	Fund Design and Construction

FY 16-20 TRANSPORTATION ALTERNATIVE PROJECTS

Rank	Applicant	Project	Location	Description	Status / Funding Need
1	West Palm Beach	15 th Street	Dixie Hwy to Australian Ave	Landscaping	Fully Funded – Construction in FY 15
2	West Palm Beach	23 rd Street	Tamarind Ave to Spruce Ave	Install 8-ft sidewalk and pedestrian lighting on south side of corridor	Fully Funded – Construction in FY 15
3	Palm Beach County	Bluegill Trail	Grassy Waters/Northlake Blvd to 2 miles N of PGA Blvd/Sandhill Crane Park	Construct NENA bike path/trail	Fully Funded – Construction in FY 15
4	Wellington	Flying Cow Road	Wellington Environmental Preserve to south of SR 80	Construct sidewalk	Fully Funded – Construction in FY 15
5	Royal Palm Beach	Crestwood Blvd.	Saratoga Blvd. to Royal Palm Beach Blvd.	Construct bike lanes and sidewalk	Fully Funded – Construction in FY 15
6	Palm Beach County	Lake Okeechobee Scenic Trail	South Bay to Belle Glade	Construct landscaping and wayfinding kiosks at 2 locations	Fully Funded – Construction in FY 15
7	Delray Beach	NE 2 nd Ave	NE 4 th Street to George Bush Blvd	Construct sidewalks, add designated bike lanes, reduce vehicle travel lane widths, install landscaping	Fully Funded – Construction in FY 15
8	Boca Raton	Patch Reef Trail	South Verde Trail to S of Town Center Road	Construct bike path/trail	Fully Funded – Construction in FY 15
9	Palm Beach County	Everglades Street	L-10 Canal Overpass	Construct pedestrian overpass to facilitate wildlife connectivity	Fully Funded – Construction in FY 16

FY 16-20 TRANSPORTATION ALTERNATIVE PROJECTS (Continued)

Rank	Applicant	Project	Location	Description	Status / Funding Need
10	West Palm Beach	Fern Street	Flagler Drive to Tamarind Ave	Install street lighting	Fully Funded – Construction in FY 16
11	Boca Raton	NW 7 & 8 St, NW 9 Ct	NW 12 th Ave to NW 4 th Ave	Construct sidewalks	Fully Funded – Construction in FY 16
12	Royal Palm Beach	Sparrow Road	Sweet Bay Lane to Royal Palm Beach Blvd	Construct pedestrian overpass to facilitate wildlife connectivity	Fully Funded – Construction in FY 16
13	Lake Worth	5 th Ave	South A Street to South F Street	Improve city right-of-way to construct shared-use path, benches, landscaping and decorative crosswalks	Fully Funded – Construction in FY 17
14	Delray Beach	NE 2 nd Ave	George Bush Blvd to NE 13 th Street	Construct sidewalks, add designated bike lanes, reduce vehicle travel lane widths, install landscaping	Fully Funded – Construction in FY 17
15	West Palm Beach	Tamarind Ave	Banyan Blvd to Palm Beach Lakes Blvd	Construct sidewalk on west side of corridor, install pedestrian lighting and landscaping	Fully Funded – Construction in FY 17
16	Delray Beach	NE 2 nd Ave	NE 13 th Street to NE 22 nd Street	Construct sidewalks, add designated bike lanes, reduce vehicle travel lane widths, install landscaping	Fund Construction - \$742K
17	Palm Beach County	Safe Routes to Schools	Various as noted in description	Install overhead school zone flashers: Australian Ave - 9 th St to 13 th St Kirk Road - Forest Hill Blvd to Pot O' Gold St. Military Trail – Dolphin Dr to Old Military Tr	Fund Construction - \$482K
18	Riviera Beach	Avenue E	12 th Street to 24 th Street	Construct bicycle pathway and pedestrian amenities	Fund Construction - \$746K

FY 16-20 TRANSPORTATION ALTERNATIVE PROJECTS (Continued)

Rank	Applicant	Project	Location	Description	Status / Funding Need
19	West Palm Beach	North Shore Neighborhood	Residential Streets bounded by 45 th St, Congress Ave, Australian Ave and Lake Mangonia	Construct ADA compliant ramps and sidewalks, enhanced crosswalks, and signage	Fund Construction - \$490K
20	Royal Palm Beach	Okeechobee Blvd	Folsom Rd to SR 7 and Partridge Lane south of Okeechobee Blvd.	Install pedestrian and roadway lighting	Fund Construction - \$750K

FY 16-20 STRATEGIC INTERMODAL SYSTEM AND TURNPIKE - SUGGESTED PROJECTS

Rank	Project	Location	Description	Status / Funding Need
1	SR 710	Australian Ave to Dixie Hwy	Widen from 2 to 4 lanes	Fully funded - ROW in FY 15-17, Construction in FY 16
2	Southern Blvd.	W of Lion Country Safari Rd. to Forest Hill/Crestwood	Widen from 4 to 6 lanes	Fully funded – Construction in FY 18
3	I-95	Broward County Line to Linton Blvd.	Construct managed lanes and study expansion of project north to West Palm Beach	Fully funded – Construction in FY 19
4	I-95	Glades Road Interchange	Construct ramp terminal improvements and additional capacity between Executive Center Drive and NW 13th/FAU Blvd	Design in FY 15 Fund construction
5	I-95	Central Blvd. Interchange	Construct new interchange	Design in FY 16 Fund construction
6	Turnpike	Lantana Toll Plaza to Okeechobee Blvd.	Widen from 4 to 6 lanes	Fund design and construction