



PALM BEACH MPO TRANSPORTATION IMPROVEMENT PROGRAM **FY 2018-2022**

ADOPTED JUNE 15, 2017

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Amended

#1: 7/20/17

#2: 9/21/17 (Roll Forward)

#3: 12/14/17

#4: 4/19/18

EXECUTIVE SUMMARY

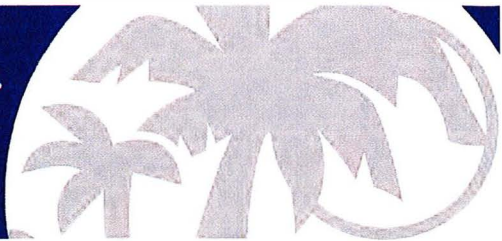
2300 North Jog Road - 4th Floor - West Palm Beach FL, 33411 - 561.684-4170

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Transportation Planning for the Palm Beaches



TRANSPORTATION IMPROVEMENT PROGRAM

FY 2018-2022

This Transportation Improvement Program was developed consistent with federal and state requirements. State and federally funded projects were approved by the Palm Beach MPO on June 15, 2017.

Mayor Susan Haynie

MPO Chair

The preparation of this report was financed in part through grants from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation; the Florida Department of Transportation; and participating local governments. The contents of this report do not necessarily reflect the official views or policy of the U. S. Department of Transportation.

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**FY 2018 – 2022
TRANSPORTATION IMPROVEMENT PROGRAM
PALM BEACH**

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EXECUTIVE SUMMARY

The Transportation Improvement Program (TIP) is a staged program encompassing a five-year period consisting of all regionally significant transportation improvements to all modes of travel in Palm Beach County. The TIP is developed through a continuous, cooperative and comprehensive effort involving the Florida Department of Transportation (FDOT), the Board of County Commissioners, the Port of Palm Beach, South Florida Regional Transportation Authority and municipalities within the County. Consultation is also carried out with the Miami-Dade TPO and Broward MPO during the TIP process. The document complies with the requirements set forth in Section 134 of Title 23, USC and 23 CFR 450.324.

The TIP identifies transportation improvements funded by Federal, State and local sources in order to assist local governments within the Palm Beach MPO area with their transportation planning efforts. The TIP is based on the FDOT's FY 18-22 Work Program for Palm Beach County, and generally moves forward the projects in the time frame from previous TIPs. Please note that the identified projects may experience unforeseen changes and that the DOT work program and the TIP may be amended throughout the year to accommodate this.

To provide for continuity and ease of use, the projects contained in the TIP have been aggregated by type and listed in sections. The TIP provides funding for the following project types:

	PROJECT TYPE	FUNDING	% OF TOTAL
1.	SIS Capacity	\$ 976,084,757	30.6%
2.	Major MPO Projects	\$ 207,245,643	6.5%
3.	Local Initiatives Program	\$ 89,829,932	2.8%
4.	Transportation Alternatives Program	\$ 17,502,907	0.5%
5.	SUN Trail Projects	\$ 1,430,000	0.0%
6.	Other FDOT & Local Projects	\$ 288,802,709	9.0%
7.	Major Maintenance	\$ 320,312,386	10.0%
8.	O&M - Roadways	\$ 607,164,834	19.0%
9.	O&M - Transit	\$ 531,488,766	16.7%
10.	Airports	\$ 78,294,758	2.5%
11.	Railroads	\$ 63,550,742	2.0%
12.	Seaport	\$ 10,000,000	0.3%
TOTAL TIP FY 2018-2022		\$ 3,191,707,434	100%

Time Frame

This document includes a five-year implementation schedule for Fiscal Year 2018 through Fiscal Year 2022 following the federal fiscal calendar which begins on October 1st and ends on September 30th (i.e. Fiscal Year 2018 addresses the dates of October 1, 2017 to September 30, 2018). However, projects utilizing state funds are based on a fiscal year beginning July 1st and ending June 30th.

Certification Review

The Palm Beach MPO undergoes a certification review process annually with FDOT and a quadrennial review with Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). The certification review process ensures the MPO is carrying out the metropolitan planning process in adherence with federal and state regulations. The last joint FHWA and FTA Certification Review was completed on October 30, 2015. The last Joint State/MPO Certification Review was completed on July 7, 2016.

Prioritization of Projects

In order to be included in the TIP, a project must be consistent with the MPO adopted long-range transportation plan (LRTP). The adopted LRTP was prepared using estimates of available revenues and project and program costs and is presumed to be cost feasible. The LRTP is referenced in local comprehensive plans and seeks consistency with these plans to the maximum extent feasible. The MPO adopted a list of Priority Projects from the LRTP in September and transmitted them to FDOT for use in preparing the tentative Work Program – these are included in Appendix C and highlighted in the summary of projects section. FDOT then developed the Draft Tentative Work Program and provided the schedule of projects for creation of the TIP. Major projects are screened through the State's Efficient Transportation Decision Making (ETDM) review process. This review provides for an early examination of the projects, allowing for timely and effective decision making and early National Environmental Policy Act (NEPA) reviews and approvals.

Congestion Management Process and Evaluation

Projects and system-wide effectiveness for all modes of transportation are evaluated through the Congestion Management Process (CMP). A CMP is a systematic and regionally-accepted approach for managing congestion that provides accurate, up-to-date information on transportation system performance and assesses alternative strategies for congestion management that meet MPO needs.

Transportation Disadvantaged

Transportation Disadvantaged (TD) services are provided for people who, because of physical or mental disability, income status or age, are unable to transport themselves or to purchase transportation and are, therefore, dependent upon others for transportation as defined in Florida Statutes 411.202. The Transportation Disadvantaged Service Plan (TDSP) serves as a comprehensive operational guidebook outlining the services and service parameters that govern public transportation in Palm Beach County, Florida. The MPO works closely with Palm Tran to update the Transportation Disadvantaged Service Plan (TDSP) when new or enhanced policies, rules and procedures are adopted. A copy of the TDSP can be found on the MPO website at: <http://www.palmbeachmpo.org/LCB>

Project Sections in the TIP

The projects in this document are presented in major categories that are explained in greater detail below.

SIS Capacity Strategic Intermodal System projects are prioritized by FDOT to support regional mobility.

Major MPO Projects The MPO Board annually prioritizes major highway, transit and freight projects from the Cost Feasible Plan based on the Goals, Objectives and Values in the LRTP and the Congestion Management Process (CMP).

Local Initiative Program Lower cost, non-regionally significant projects submitted to the MPO annually by local agencies and prioritized using a project scoring system based on the Goals, Objectives and Values in the LRTP.

Transportation Alternatives Program Active transportation projects submitted to the MPO annually by local agencies and prioritized through the Bicycle Trailways Pedestrian Advisory Committee (BTPAC).

Shared-Use Nonmotorized (SUN) Trail Network Local governments may submit projects annually to the MPO for prioritization to seek state funding for project implementation. Projects must be paved non-motorized trails on the priority network established by the Florida Office of Greenways and Trails (OGT).

Other FDOT and Local Projects These projects are advanced by agencies other than the MPO with outside discretionary funding sources (e.g. local gas taxes, local impact fees, county incentive grant funds, highway safety program funds, etc.).

Major Maintenance Projects proposed by the maintaining agencies based on the condition of the transportation infrastructure. These are larger projects representing an opportunity to enhance existing facilities through scope modifications or additions.

O&M - Roadways Operations and maintenance projects proposed by the maintaining agencies based on the condition of the transportation infrastructure and the need to operate it efficiently.

O&M – Transit Projects proposed by the transit agencies to continue to operate existing services.

Airports, Railroads and Seaport Projects identified by facility owner/operators consistent with their respective master plans.

GLOSSARY OF PROJECT PHASES

PHASE CODE	NAME
CAP	Capital
CST	Construction Scheduled
DSB	Design Build
ENV	Environmental
INC	Contract Incentives
MNT	Maintenance
MSC	Miscellaneous Construction Scheduled
OPS	Operations
PDE	Project Development and Environmental
PE	Preliminary Engineering Scheduled
PLN	Planning Scheduled
ROW	Right of Way Acquisition Scheduled
RRU	Railroad & Utilities

DEFINITIONS AND ACRONYMS

For a full list of definitions and acronyms, see Appendix A.

Funding code descriptions are available in the funding summary table.

Summary of Projects

The following tables highlight the status of MPO Priority Projects, projects scheduled for construction in FY 2018, and some of the more significant changes between the adopted FY 17-21 TIP and the FY 18-22 TIP. A typical project includes a Project Development and Environment (PD&E) phase, a Design (PE) phase, a Right of Way (ROW) phase and a Construction (CST) phase.

Table 1: Major MPO Projects

Rank	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1,000s)								Notes/Needs
							FY 18		FY 19		FY 20		FY 21		
1	2296643	SR 7	60th St to Northlake Blvd.	Construct new 4 lane road	\$51,746	\$1,146	PE ROW UTL CST	\$16 \$1,142 \$25 \$45,569	ROW \$27	ENV \$2,861	ROW \$961			CST April 2018	
2	2296644	SR 7	Okeechobee Blvd. to 60th St	Widen from 2 to 4 lanes	\$19,875	\$19,875								CST October 2017	
3	4193452	Southern Blvd / SR 80	L-8 Canal to W of Forest Hill	Widen from 4 to 6 lanes	\$53,935	\$7,854	CST	\$43,488	ROW \$516	ROW \$2,077					
4	4279381	SR 7	Broward Co Line to Glades Rd	Construct buffered bike lanes, shared use pathways, transit shelters and turn lane improvements	\$11,701	\$11,701								CST August 2017	
5	2331662	Glades Rd	Various Intersections	Add 3rd N/S left at SR 7, Increase NB off ramp storage at I-95, Convert NB thru to NBL and SB Thru/Right to Excl. Right at NW 13th/University, Add 2nd NB left at NW 4th	\$8,200	\$8,198	RRU	\$2						CST September 2017	
6a	4353431	FEC Railroad Crossings	Broward Co Line to 15th St in West Palm Beach	Install Safety/Quiet Zone infrastructure on FEC corridor	\$6,987	\$6,987								CST Underway	
6b	4353432	FEC Railroad Crossings	15th St in West Palm Beach to Martin County Line	Install Safety/Quiet Zone infrastructure on FEC corridor	\$2,239		CAP	\$2,239						Construct w/ Brightline phase 2	

Table 1: Major MPO Projects (Continued)

Rank	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1,000s)					Notes/Needs
							FY 18	FY 19	FY 20	FY 21	FY 22	
7	4297671	Tri Rail Support Facility	Northern Layover Facility	Construct new facility to enhance O&M for existing system and support Jupiter extension	\$36,150	\$17,116	CAP \$15,500	CAP \$3,534				Design-Build in Oct 2017
8	4170317	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 – 45th Street, PGA Blvd, and Toney Penna Dr.	\$75,000	\$1,365						\$73,843,000 Need FDOT to restart PD&E
9	4347352	Palm Tran - Support Facility	Delray Beach: Congress Ave	Expand existing maintenance facilities	\$12,292	\$12,292						CST in 2018
10	430458.1 & .2	Tri Rail	East side of Military Tr S of Glades Rd	Construct second Tri Rail station in Boca Raton on CSX/SFR corridor	\$18,500	\$1,500		CAP \$17,000				
11	2296584	Atlantic Ave	SR 7 to W of Lyons	Widen from 2 to 4 lanes	\$30,919	\$1,571		ROW \$10,486	ROW \$5,172	RRU \$200		
										ENV \$5		
										CST \$13,486		
12	4383861	US 1	Camino Real to Indiantown Rd	New express bus service with associated multimodal corridor improvements	\$54,505	\$2	PLN \$775		PE \$505	PE \$1,510		\$52,480
							PDE \$10					
13	4405091	Boutwell Road	Lake Worth Road to 10th Ave North	Widen from 2 to 3 lanes	\$3,000						CST \$3,000	
14	4405751	Atlantic Ave	W of Lyons to Jog Rd	Widen from 4 to 6 lanes	\$74,258			PDE \$510	PDE \$2,500			\$71,248
	4408671	Reserve Funding		Reserve funding for future projects							\$17,056	
Cost Summary					\$461,010	\$138,073	\$62,058	\$32,562	\$13,159	\$15,572	\$20,056	\$197,571

Table 2: Local Initiatives Program

Rank	Lead Agency	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1000's)					Notes/ Needs
								FY 18	FY 19	FY 20	FY 21	FY 22	
13-1	FDOT	4351581	Southern Blvd.	At Sansbury's Way Intersection	Add EB right, second WB left and widen C-51 canal bridge	\$7,850	\$1,422	CST \$6,427					
13-2	FDOT	4351591	SE Avenue G	Main St. to SE 9th St/ Gove Elementary School	Construct sidewalk on the S side of SE Ave G	\$739	\$739						CST April 2017
13-3	FDOT	2298963	SR 710 Beautification	W of Australian Ave to Dixie Hwy	Install median irrigation and landscaping	\$1,366	\$155	CST \$1,211					
13-4	FDOT	4351601	Palmetto Park Rd	SR 7 to NW 2nd Ave	Construct 10-ft+ multi-use pathway on the south side of roadway	\$3,826	\$636	RRU \$2					
								CST \$3,188					
13-5	FDOT	4328832	PGA Blvd	Mirasol/Ave of Champions to US 1	Install Adaptive Traffic Control System	\$2,568	\$2,568						CST April 2017
13-6	Palm Tran	4317611	Palm Tran	Systemwide Fare Collection	Implement Easy Card interface, Mobile ticketing	\$1,320	\$1,320						
14-1	FDOT	4328833	W Indiantown Road	Florida Turnpike to US 1	Install Adaptive Traffic Control System and patterned pavement	\$6,599	\$612		CST \$5,964				
									RRU \$22				
14-2	FDOT	2297444	US 1	11th Street to 27th Street	Install pedestrian scale lighting on east side of corridor	\$1,195		PE \$360		CST \$835			
14-3	FDOT	4383841	Australian Ave.	1st Street to Blue Heron Blvd.	Install pedestrian scale lighting	\$3,507			PE \$360	ENV \$15	CST \$3,132		
14-4	FDOT	4368931	Congress Ave.	Columbia Medical Plaza to Blue Heron	Install pedestrian scale lighting	\$2,182	\$474	ENV \$15	CST \$1,683				
								RRU \$10					
14-5	FDOT	436894.1-.5	Bridge Replacement	Seminole Dr (L-16) Sandalford (E-1-E) New England Bl (E-1) El Clair Ranch (L-30)	Replace bridges; introduce bike/ped facilities, maximize vertical clearance for waterway	\$5,796	\$2,162	ENV \$40		CST \$3,594			
14-6	FDOT	4344271	Southern Blvd (SR 80)	at CR 880 Intersection	Install street lighting	\$60	\$360	CST \$60					

Table 2: Local Initiatives Program (Continued)

Rank	Lead Agency	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1000's)					Notes/ Needs
								FY 18	FY 19	FY 20	FY 21	FY 22	
14-7	Delray Beach	4368961	Lowson Blvd/ SW 10th St	Military Trail to SE 6th Ave	Install bike lanes and sidewalks. Includes standalone pedestrian bridges.	\$4,792		PE \$5		CST \$4,787			
14-8	FDOT	4368971	Fiber Optic Cable Installation	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	Install fiber optic communication cable to connect additional traffic signals to ITS network	\$2,902		PE \$310		CST \$2,592			
14-9	FDOT	4368991	Hamlin Blvd	190th St to 180th Ave N	Construct a 6-ft pathway	\$898		PE \$260	ENV \$40	CST \$598			
14-10	FDOT	4383871	Video Camera Detection	27 mast arm traffic signals with loop detection	Replace inductive loops with video camera detection	\$1,815		PE \$60	PE \$	CST \$1,755			
14-11	FDOT	4383881	Clint Moore Road	Congress Ave to NW 2nd Ave.	Construct 10-ft shared use pathway on the south side of the corridor	\$1,197		PE \$310	ENV \$30	CST \$857			
14-12	FDOT	4383891	Swinton Ave	S 10th St to NE 4th St	Widen to provide two 10-ft travel lanes, 4-ft bike lanes and 6-ft sidewalks. Add street lighting, drainage, landscaping.	\$3,197		PE \$510	ENV \$20	CST \$2,667			
15-1	West Palm Beach	4383901	Two New WPB Trolley Routes	Tri-Rail Station to northern and southern WPB	Purchase seven (7) vehicles to support new trolley service	\$1,505		CAP \$1,505					
15-2	Palm Tran	4383921	Palm Tran Bus Shelters	Various locations along existing bus routes	Construct 30 transit shelters	\$600		CAP \$600					
15-3	West Palm Beach	4383961	WPB Trolley Shelters	Various locations along existing trolley lines	Construct seven (7) trolley shelters	\$571			CAP \$571				
15-4	FDOT	4383941	Homewood Blvd	Old Germantown Rd to Lowson Blvd	Install bike lanes and sidewalks	\$1,393			PE \$360	ENV \$20	CST \$1,013		

Table 2: Local Initiatives Program (Continued)

Rank	Lead Agency	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1000's)					Notes/ Needs
								FY 18	FY 19	FY 20	FY 21	FY 22	
15-5	FDOT	4383951	George Bush Blvd	NE 2nd Ave to A1A (excluding Intracoastal Waterway bridge)	Widen to provide two 10-ft travel lanes, 5-ft bike lanes and 5-6 ft sidewalks. Add street lighting, drainage, landscaping.	\$3,733			PE \$510	ENV \$20	CST \$3,203		
15-6	Boca Raton	4383991	New Boca Raton Trolley	Tri-Rail Station to Downtown and Downtown Circulator	Purchase seven (7) vehicles to support new trolley service	\$1,505			CAP \$1,505				
15-7	Delray Beach	4384001	Existing Delray Beach Trolley	Tri-Rail Station to Atlantic Ave/A1A	Replace four (4) vehicles	\$860				CAP \$860			
15-8	FDOT	4384021	NE 5th Ave	Boca Raton Road to NW 20th St	Construct 6-ft sidewalk on west side	\$734			PE \$260	ENV \$10	CST \$464		
16-1	Delray Beach	4400411	Congress Ave.	C-15 Canal to Atlantic Ave in Delray Beach	Convert 6L to 4L and install protected bike lanes	\$5,113			PE \$5		CST \$5,108		
16-2	FDOT	4400421	US 1 (Dixie Highway)	Albemarle Rd to Okeechobee Blvd in West Palm Beach	Convert 4L to 3L and associated multimodal improvements	\$6,379			PE \$759	ENV \$309	CST \$5,311		
16-3	FDOT	4400431	Brant Bridge	Bridge over C-15 Canal in Delray Beach	Bridge replacement and inclusion of shared use path	\$2,346			PE \$573	ENV \$100	CST \$1,673		
16-4	Wellington	4400441	Big Blue Trace	Wellington Trace to South Shore Blvd	Add bike lanes, bike lane relocation at intersection; crosswalk striping	\$693			PE \$5		CST \$688		
16-5	FDOT	4400451	Traffic Calming in Indian Trail Improvement District	Various midblock locations	Install speed tables, midblock islands, raised medians	\$1,127			PE \$245	ENV \$53	CST \$829		
16-6	FDOT	4400461	Lake Worth Road	Erie Street to A Street	Pedestrian enhancements/ traffic circle reconfiguration	\$943				PE \$454	ENV \$105		\$383,549 Needed
--		4352071	Reserve Box		Reserve funding for Local Initiative Projects	\$21,131				\$450	\$3,776	\$16,904	
Cost Summary						\$100,440	\$10,449	\$14,873	\$12,912	\$19,976	\$25,302	\$16,904	\$384

Table 3: Transportation Alternatives Program

Rank	Lead Agency	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1000's)					Notes/ Needs
								FY 18	FY 19	FY 20	FY 21	FY 22	
12-1	PBC Office of Community Revitalization	4331691	Everglades/E Main St to Canal Street	L-10 canal	Construct a pedestrian bridge	\$760	\$760						CST Nov 2017
13-1	Lake Worth	4350841	5th Avenue	South A Street to South F Street in Lake Worth	Improve city right-of-way to construct shared-use path, benches, landscaping and decorative crosswalks	\$1,164	\$1,164						CST Aug 2017
13-2	Delray Beach	4350801	NE 2nd Ave	George Bush Blvd to NE 13th St in Delray Beach	Construct sidewalks, add designated bike lanes, reduce vehicle travel lane widths, install landscaping	\$733	\$733						CST Aug 2017
13-3	West Palm Beach	4351461	Tamarind Ave	Banyan Blvd to Palm Beach Lakes Blvd in West Palm Beach	Construct sidewalk on west side of corridor, install pedestrian lighting and landscaping	\$959	\$959						CST Sep 2017
13-4	Delray Beach	4368721	NE 2nd Ave	NE 13th St to NE 22nd St in Delray Beach	Construct sidewalks, add designated bike lanes, reduce vehicle travel lane widths, install landscaping	\$1,636	\$5	CST	\$1,631				
14-1	Palm Beach County	4369301	Safe Routes to Schools	Australian Ave - 9th St to 13th St Kirk Road - Forest Hill Blvd to Pot O' Gold St. Military Trail – Dolphin Dr to Old Military Tr	Install overhead school zone flashers	\$482	\$5	CST	\$477				
14-2	West Palm Beach	4369321	North Shore Neighborhood in West Palm Beach	Residential Streets bounded by 45th St, Congress Ave, Australian Ave and Lake Mangonia	Construct ADA compliant ramps and sidewalks, enhanced crosswalks, and signage	\$573	\$5	CST	\$568				

Table 3: Transportation Alternatives Program (Continued)

Rank	Lead Agency	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1000's)					Notes/ Needs
								FY 18	FY 19	FY 20	FY 21	FY 22	
14-3	Royal Palm Beach	4368741	Okeechobee Blvd	Folsom Rd to SR 7 and Partridge Lane south of Okeechobee Blvd.	Install pedestrian and roadway lighting	\$1,542	\$5	CST \$1,537					
14-4	Delray Beach	4382891	Seacrest Blvd	NE 22nd Street to Gulfstream Blvd	Add green bike lanes, wider sidewalks, brick crosswalks and school zone lighting	\$1,704	\$5		CST \$1,699				
15-1	FDOT	4287181	US 1	Beach Rd to Martin County Line	Add buffered bike lanes, street trees and signage.	\$4,548	\$696	CST \$3,852					
15-2	Wellington	4383061	Binks Pointe Pathway	Binks Forest Dr. to Flying Cow Road	Construct Multi-use pathway to connect to Wellington Environmental Preserve	\$549	\$7		CST \$542				
15-3	Royal Palm Beach	4382901	ADA Update	Various Royal Palm Beach neighborhoods	Upgrade existing sidewalks to ADA standards in residential neighborhoods	\$839	\$5		CST \$834				
15-4	FDOT	4382911	Sidewalk Improvements	Various Belle Glade neighborhoods	Construct missing sidewalks near schools	\$1,166	\$368		CST \$798				
15-5	West Palm Beach	4383851	ADA Update	Various West Palm Beach neighborhoods	Upgrade existing sidewalks to ADA standards near schools	\$879	\$5		CST \$874				
16-1	Wellington	4400141	Bicycle Improvements	Aero Club Drive in Wellington	Construct 4.2 mile long bike lane	\$766		PE \$5		CST \$761			
16-2	West Palm Beach	4400151	Pedestrian Bridge	North Shore Bridge in West Palm Beach	Construct pedestrian bridge west of existing bridge	\$1,015		PE \$5		CST \$1,010			
16-3	West Palm Beach	4400121	ADA/Crosswalk Improvements	Roosevelt Estates Neighborhood in West Palm Beach	Install ADA ramp improvements and textured pavement in crosswalks	\$910		PE \$5		CST \$905			
16-4	Delray Beach	4400171	Alley Project	Various locations in Delray Beach	Pave alleyways and install landscaping	\$2,572		PE \$5		CST \$2,567			
Cost Summary						\$22,796	\$4,722	\$8,086	\$4,746	\$5,242	\$0	\$0	\$0

Table 4: SUN Trail Program

Rank	Applicant	Proj. No.	Project	Location	Improvement	Total Cost	< FY 18	Funding in TIP (\$1000's)					Notes/Needs
								FY 18	FY 19	FY 20	FY 21	FY 22	
16-1	West Palm Beach	4394041 & 2	US 1 (Broadway Ave)	25th St to 42nd St	Convert 4-lane roadway to 2-lane divided roadway with Shared-Use Nonmotorized trail in median.	\$6,024		PE \$1,410 ENV \$20					\$4,744
Cost Summary						\$6,024		\$1,430					\$4,744

Table 5: Other FY 2018 Construction/Implementation Projects

Project Number	Location	Improvement	Construction Funding FY 2018	
4344271	Southern Blvd (SR-80) from FEC R/R to CR-880	Resurfacing	\$4,721,231 \$15,776,212	Federal State
4061441	Turnpike from N of Boynton Beach Blvd to Lake Worth Rd	Widen from four to six lanes	\$165,089,788	Toll/Turnpike
4275161	I-95 from the L30 Canal near Lake Ida to N. of Gateway Blvd	Resurfacing	\$15,895,483 \$127,025	Federal State
4316451	Military Trail (SR-809) at Northlake Blvd	Intersection Improvements	\$185,815 \$185,815	State Local
4319206	West Palm Beach Operations Center	Roof System Replacement	\$120,000	State
4321511	I-95 @ PGA Blvd Interchange	Lighting	\$757,123	State
4347221	I-95 @ Atlantic Ave (SR-806) Interchange	Reconstruct I-95 Interchange (add lanes) at Atlantic Ave to add capacity	\$5,368,999 \$184,473	Federal State
4349482	Northwood Connection from CSX Mainline to FEC Mainline in West Palm Beach	New railroad connection	\$12,476,012	State
4356152	Turnpike at Glades Rd NB Exit Ramp	Ramp Improvements - Thermoplastic	\$5,576	Toll/Turnpike
4363021	Southern Blvd (SR-80) from Pike Road to E of NB Turnpike Ramps	Add westbound right turn lanes.	\$1,609,611	State
4365211	Turnpike: MP 106.1 (Beeline Hwy) to MP 111.7 (N of Hood Rd)	Resurfacing	\$9,781,015	Toll/Turnpike
4365213	Turnpike: MP 106.1 (Beeline Hwy) to MP 111.7 (N of Hood Rd)	Install Guardrail	\$1,358,498	Toll/Turnpike
4400791	Blue Heron (SR-708): Military Trail to Congress Avenue	Intersection Lighting Improvements	\$212,589 \$12,070	Federal State
4400801	Military Trail (SR-809): Shiloh Drive to Burns Road	Intersection Lighting Improvements	\$781,704	Federal
4402961	City of Belle Glade Roadways - Various Locations	Resurfacing	\$928,368	State
4403911	McClure Rd: Lake Ave to Rim Canal Rd	Small County Outreach Program project - resurfacing	\$3,427,543	State
4392291	South Central Florida Express Railway near Pahokee	Southeast Rail Extension	\$5,000,000 \$1,666,667	State Local
4407051	Port of Palm Beach	Upland Cargo Improvements	\$2,000,000 \$2,000,000	State Local

Table 6: Significant Changes from FY 17-21 TIP

Project Number	Location	Improvement	Significant Change
2319321	I-95 @ Gateway Blvd	Interchange Improvement	Advanced PE from FY 20 to FY 18 Added \$12M ROW in FY 20 Added \$39M CST in FY 22
4358041	I-95 @ Boynton Beach Blvd	Interchange Improvement	Advanced PE from FY 21 to FY 18 Added \$17M ROW in FY 20 Added \$54M CST in > FY 22
4124204	I-95 @ Glades Road	Interchange Improvement	Added \$24M CST in FY 19 - to be built with I-95 express (S of Glades Rd to Linton Blvd)
4132651	I-95 @ PGA/Central Blvd	New Interchange	Advanced \$8.8M ROW to FY 19 Added CST \$83M in > FY 22
4365191	I-95 @ 45th St	Interchange Improvement	Added \$14.9M ROW to FY 2022
4358031	I-95 @ Northlake Blvd	Interchange Improvement	Advanced \$5.1M PE from FY 21 to FY 18 Added \$58.5M ROW in FY 20-22 Added \$15M CST in FY 22
4363071	Southern Blvd (SR-80) at Forest Hill Blvd	Construct 3rd WB to SB left turn lane, Channelized NB to EB right turn lane	Advanced \$4.6M CST from FY 20 to FY 19
4171321	Turnpike: Glades Rd to Atlantic Ave	Widen from 6 to 8 lanes	Delayed \$244M CST from FY 20 to FY 22
4182141	Turnpike: Broward County line to Glades Rd	Widen from 6 to 8 lanes	Delayed \$241M CST from FY 21 to > FY 22
4371691	Turnpike: Atlantic Ave to Boynton Beach Blvd	Widen from 6 to 8 lanes	Delayed \$299M CST from FY 20 to > FY 22
4192511	Beeline Hwy (SR-710): Northlake Blvd to Blue Heron Blvd	Widen from 4 to 6 lanes	Delayed \$90.5M CST from FY 20 to FY 22
2296584	Atlantic Ave/SR-806: SR-7/US-441 to W of Lyons Rd	Widen from 2 to 4 lanes	Added \$16M ROW in FY 19-20 Added \$13.5 CST in FY 21

Table 6: Significant Changes from FY 17-21 TIP (Continued)

Project Number	Location	Improvement	Significant Change
4398421, 4401081, 4401501, 4401581, 4399291	US-27: Broward County line to South Bay	Resurfacing, widen shoulders, replace guardrail	Added \$1.4M PE in FY 18 Added \$2.57M PE in FY 19 Added \$26.5M CST in FY 20 Added \$20.8M CST in FY 21
4399301	US-27: CR827 & Okeelanta Rd Intersections	Add acceleration lanes	Added \$412K PE in FY 19 Added \$1.84M CST in FY 21
4397581	I-95 at Indiantown Road	Reconstruct/Signalize NB Off Ramp Add EB auxiliary lane between I-95 NB and Island Way	Added \$505K PE in FY 20 Added \$3.8M CST in FY 22
4397591	I-95 at Belvedere Road	Add Second NB to EB Right Turn Lane	Added \$209K PE in FY 20 Added \$1.0M CST in FY 22
4397551	I-95 at Okeechobee Blvd	Add EB to SB Right Turn lane	Added \$132K PE in FY 20 Added \$880K CST in FY 22
4398601	I-95 NB along Diane Drive in Boynton Beach	Northbound Noise Wall Extension to North & South of Diane Dr	Added \$283K PE in FY 18 Added \$1.5M CST in FY 20
4401051	North Palm Beach County Airport	Runway 13/31 Expansion	Added \$10M CST in FY 20
4400781	Military Trail from Southern Blvd to Cumberland Drive	Intersection Lighting Improvements	Added \$185K PE in FY 18 Added \$665K CST in FY 19
4406001	SR-7 At Stribling Way	Add 2nd NB and SB Left Turn Lane	Added \$600K PE in FY 21
4275162	I-95 from Gateway Blvd to Lantana Road	Resurfacing	Added \$1.6M PE in FY 18 Added \$6.5M CST in FY 20
4398411	US-1 N of Linton Blvd	Resurfacing	Added \$275K PE in FY 18 Added \$1.3M CST in FY 20
4398431	SR-15 from S of Morgan Rd to S of Shirley Dr	Resurfacing	Added \$445K PE in FY 18 Added \$2.8M CST in FY 20
4398441	Boynton Beach Blvd. from Lyons Road to E of Turnpike	Resurfacing	Added \$395K PE in FY 18 Added \$2.5M CST in FY 20

Public Participation Process

The Draft FY 2018-2022 TIP was presented as an information item to the MPO Board on May 18, 2017. The Palm Beach MPO adopted the FY 2018-2022 TIP at a public meeting of the MPO Board on June 15, 2017. The following opportunities for public review and comment were offered for more than 30 days prior to the public meeting:

Website - The Draft FY 2018-2022 TIP document in PDF form, Notice of the Public Meeting and an online public comment are posted to www.PalmBeachMPO.org. The website also provides information on all of the ways to review the draft TIP and offer public comments.

Newspaper advertising – Provides notice of the Public Meeting and information of the various opportunities for viewing the Draft TIP, asking questions and offering public comment.

Palm Beach Post – Display ads published in the main section on 5/14/17. Spanish language ads were published in the free weekly editions of el Latino Semanal on 5/19/17.

MPO Office, 18 Palm Beach County libraries & 11 Municipal Libraries – Distribute a printed notice with instructions to access the online Draft FY 2018-2022 TIP document for public review and comment.

MPO Committees - The Draft TIP is reviewed for approval by the MPO's Technical Advisory Committee (TAC), Citizens Advisory Committee (CAC) and Bicycle Trailways Pedestrian Advisory Committee (BTPAC). The TAC is comprised of planning and engineering staff from municipal, county and state agencies and organizations to provide input on the technical aspects of the program. The CAC is comprised of representatives from the community with interests in transportation and planning in accordance with the requirements of TEA-21 and Chapter 339.175, F.S., to provide a citizen viewpoint on transportation projects and impacts. The BTPAC is comprised of representatives from the community with interests in active transportation.

MPO Board meeting – Public comments were heard at the publicly noticed MPO Board meetings during the initial information draft on May 18, 2017 and the final adoption on June 15, 2017.

Funding

A typical project includes a Project Development and Environment (PD&E) phase, a Design (PE) phase, a Right of Way (ROW) phase and a Construction (CST) phase. Costs on the TIP pages will have historical costs, five years of the current TIP and projected future costs to complete the project consistent with the LRTP Cost Feasible Plan. For some ongoing programs, such as resurfacing, safety or operational projects, there may not be a total cost provided but rather additional details on that program.

The TIP is financially constrained for each year. Federally funded projects identified in the TIP can be implemented using current proposed revenue sources based on the FDOT Tentative Work Program and locally dedicated transportation revenues. All Projects funded by FDOT with federal or non-federal dollars are included in a balanced 36-month forecast of cash and expenditures and a five-year finance plan supporting the FDOT Work Program. All local government projects (non-federally funded) that are included in the TIP are part of member local government's capital improvement programs. The following table provides a summary of federal, state and local funding codes as well as the dollar amounts allocated to projects within each funding code by fiscal year. Note that all project costs are shown in year of expenditure dollars, meaning the costs reflect the adjusted value of the work at the time the funds will be expended on the project.

Funding Codes

Fund Code / Name		2018	2019	2020	2021	2022	Total
Federal							
5307	FEDERAL TRANSIT URBAN AREA FORMULA FUNDS	23,908,636	15,975,000	15,975,000	15,975,000	15,975,000	87,808,636
5311	FEDERAL TRANSIT RURAL AREA FORMULA FUNDS	312,878	312,878	312,878	312,878	312,878	1,564,390
5339	FEDERAL TRANSIT ADMINISTRATION	3,168,739	1,600,000	1,600,000	1,600,000	-	7,968,739
AC..	ADVANCED CONSTRUCTION (REIMBURSED BY FED)	-	-	-	-	-	-
ACBR	AC FED BRIDGE FUNDS	3,500,000	-	-	-	-	3,500,000
ACNP	AC NATIONAL HWY FUNDS	48,203,722	61,787,695	30,167,080	51,403,005	108,474,171	300,035,673
ACSA	AC STATEWIDE STP (SA) FUNDS	14,071,402	-	-	-	-	14,071,402
ACSU	AC PALM BEACH MPO (SU) FUNDS	1,799,999	-	-	-	-	1,799,999
ACTA	AC STATEWIDE TRANSPORTATION ALT (TALT)	376,927	-	-	-	-	376,927
CM	CONGESTION MITIGATION FOR AIR QUALITY	1,674,819	-	-	-	1,761,455	3,436,274
FAA	FEDERAL AVIATION ADMIN	300,000	150,000	9,450,000	-	-	9,900,000
HSP	HIGHWAY SAFETY PROGRAM	5,651,504	1,646,764	4,416,516	824,364	-	12,539,148
NHRE	NAT HWY PERFORM - RESURFACING	-	-	2,678,330	-	-	2,678,330
RHH	RAIL HIGHWAY X-INGS - HAZARD	557,620	-	-	-	-	557,620
SA	STP, ANY AREA STATEWIDE	13,318,223	9,808,089	4,496,725	-	4,762,197	32,385,234
SU	STP, PALM BEACH MPO	18,726,047	18,611,626	19,036,136	19,904,455	19,904,455	96,182,719
TALT	TRANSPORTATION ALTS- ANY AREA STATEWIDE	1,158,111	1,582,680	1,078,388	-	-	3,819,179
TALU	TRANSPORTATION ALTS PALM BEACH MPO	1,601,014	1,608,710	1,606,762	-	-	4,816,486
<i>Federal Subtotal</i>		<i>138,329,641</i>	<i>113,083,442</i>	<i>90,817,815</i>	<i>90,019,702</i>	<i>151,190,156</i>	<i>583,440,756</i>
State							
BNBR	AMENDMENT 4 BONDS (BRIDGES)	-	1,806,737	-	99,344,464	-	101,151,201
BNIR	INTRASTATE R/W & BRIDGE BONDS	-	8,707,427	-	-	-	8,707,427
BRRP	STATE BRIDGE REPAIR & REHAB	803,619	10,042,789	3,086,401	-	-	13,932,809
CIGP	COUNTY INCENTIVE GRANT PROGRAM	3,175,815	2,852,481	1,797,184	2,282,933	-	10,108,413
D	UNRESTRICTED STATE PRIMARY	15,884,030	16,183,414	16,909,981	16,581,415	16,470,445	82,029,285
DDR	DISTRICT DEDICATED REVENUE	80,987,612	28,084,982	39,232,891	58,772,161	8,249,567	215,327,213
DI	ST. - S/W INTER/INTRASTATE HWY	664,000	76,752,062	27,938,860	10,520,000	82,337,228	198,212,150
DIH	STATE IN-HOUSE PRODUCT SUPPORT	1,355,559	1,611,990	1,363,229	1,366,606	721,871	6,419,255
DIS	STRATEGIC INTERMODAL SYSTEM	-	3,000,000	8,500,000	-	-	11,500,000
DITS	STATEWIDE ITS - STATE 100%.	1,398,203	1,433,157	1,468,986	1,505,711	1,543,354	7,349,411
DPTO	STATE - PTO	18,332,954	14,049,172	13,125,177	5,025,177	5,025,177	55,557,657
DS	STATE PRIMARY HIGHWAYS & PTO	34,784,019	33,740,329	12,711,685	8,107,075	17,455,961	106,799,069

Fund Code / Name		2018	2019	2020	2021	2022	Total
State (continued)							
FCO	PRIMARY/FIXED CAPITAL OUTLAY	120,000	-	-	-	-	120,000
GMR	GROWTH MANAGEMENT FOR SIS	10,054,291	2,416,989	-	-	-	12,471,280
PKBD	TURNPIKE MASTER BOND FUND	-	-	-	-	244,355,174	244,355,174
PKLF	LOCAL SUPPORT FOR TURNPIKE	355,000	-	-	-	-	355,000
PKYI	TURNPIKE IMPROVEMENT	184,912,624	8,270,922	3,469,998	2,070,000	17,112,526	215,836,070
PKYO	TURNPIKE TOLL COLLECTION/OPER.	47,453,151	45,271,474	46,497,101	48,059,169	48,639,955	235,920,850
PKYR	TURNPIKE RENEWAL & REPLACEMENT	13,461,046	26,058,051	-	40,142	-	39,559,239
PORT	SEAPORTS	2,000,000	-	-	-	-	2,000,000
SCRC	SCOP FOR RURAL COMMUNITIES	4,355,911	-	-	-	-	4,355,911
SED	STATE ECONOMIC DEVELOPMENT	450,000	-	-	-	-	450,000
SIWR	2015 SB2514A-STRATEGIC INT SYS	-	23,846,504	-	-	-	23,846,504
TCOR	TRANSIT CORRIDOR	415,000	415,000	415,000	415,000	415,000	2,075,000
TDTF	TRANS DISADV - TRUST FUND	2,942,044	2,942,000	2,942,000	2,942,000	2,942,000	14,710,044
TLWR	2015 SB2514A-TRAIL NETWORK	150,000	-	-	-	-	150,000
TMBD	I-95 EXPRESS LANES	498,456	1,183,147	1,276,895	1,276,895	1,276,895	5,512,288
TRIP	TRANS REGIONAL INCENTIVE PROGM	17,325,585	8,500,000	134,506	-	-	25,960,091
TRWR	2015 SB2514A-TRAN REG INCT PRG	316,693	-	1,304,954	-	-	1,621,647
<i>State Subtotal</i>		<i>442,195,612</i>	<i>317,168,627</i>	<i>182,174,848</i>	<i>258,308,748</i>	<i>446,545,153</i>	<i>1,646,392,988</i>
Local							
ADR	ADVERTISING REVENUE	725,000	725,000	725,000	725,000	725,000	3,625,000
ADV	AD-VALOREM	49,612,017	53,963,139	50,959,694	32,614,505	33,781,205	220,930,560
BOCA	BOCA RATON	387,000	375,000	375,000	375,000	-	1,512,000
CENW	CENTURY WEST	375,000	375,000	375,000	375,000	375,000	1,875,000
DL	LOCAL FUNDS - PTO - BUDGETED	703,590	-	-	-	-	703,590
DOSS	DIVISION OF SENIOR SERVICES	338,000	338,000	338,000	338,000	327,000	1,679,000
FBR	FAREBOX REVENUE	11,244,100	11,420,580	11,600,692	11,784,405	11,971,794	58,021,571
GT	LOCAL OPTION GAS TAX	65,106,560	70,106,000	63,365,000	52,451,000	34,945,000	285,973,560
IF	IMPACT FEE	48,205,940	68,387,481	24,940,005	21,921,933	22,440,000	185,895,359
IST	INFRASTRUCTURE SURTAX	12,600,000	8,600,000	15,300,000	28,000,000	11,500,000	76,000,000
LF	LOCAL FUNDS	46,942,537	42,060,699	31,831,886	891,429	-	121,726,551
LFP	LOCAL FUNDS FOR PARTICIPATING	-	601,499	-	-	-	601,499
RTA	SFRTA	666,000	666,000	666,000	666,000	666,000	3,330,000
<i>Local Total</i>		<i>236,905,744</i>	<i>257,618,398</i>	<i>200,476,277</i>	<i>150,142,272</i>	<i>116,730,999</i>	<i>961,873,690</i>
Grand Total		817,430,997	687,870,467	473,468,940	498,470,722	714,466,308	3,191,707,434

Understanding the TIP

The following informational guide assists the reader in understanding the layout and content of the TIP report.

1	2	3	4	5	6
SWINTON AVENUE	FROM S 10TH STREET TO NE 4TH STREET	- Proj# 4383891	Length: 1.517 MI	*Non-SIS*	
7 Type of Work: BIKE LANE/SIDEWALK		9	8 Lead Agency: FDOT		
11 Description: Widen to provide two 10-ft travel lanes, 4-ft bike lanes and 6-ft sidewalks. Add street lighting, drainage, landscaping.			10 LRTP#: Pages 124-131		
12 PE ENV CST	13 SU SU SU	14			
		510,000	0	0	510,000
		0	20,000	0	20,000
		0	0	2,666,982	2,666,982
Total		510,000	20,000	2,666,982	3,196,982
15 Prior Years Cost	16 Future Years Cost		17 Total Project Cost		3,196,982

1. Project Name.
2. Project Limits or Description.
3. FDOT Financial Management Number.
4. Length of the project in miles.
5. Identifies whether the project is part of the Strategic Intermodal System.
6. Identifies whether the project is a Regionally Significant Project.
7. Shows the Type of Work accomplished by the project.
8. Lead agency for the project.
9. The number of existing lanes, the number of lanes to be improved and the number of lanes to be added by the project.
10. Identifies how the project is referenced in the Long Range Transportation Plan (LRTP).
11. Provides any explanatory description or notes for the project.
12. Phase of the project.
13. Funding source. See Fund Summary for descriptions.
14. Programmed cost estimates for each fiscal year.
15. Funds already encumbered/expended for the project in previous years.
16. Funds expected to be necessary for the project in future years beyond the five-year period addressed in the TIP.
17. Total project cost including prior years, the current TIP and future years.

Legend

SIS Capacity

Major MPO Projects

Local Initiatives Program

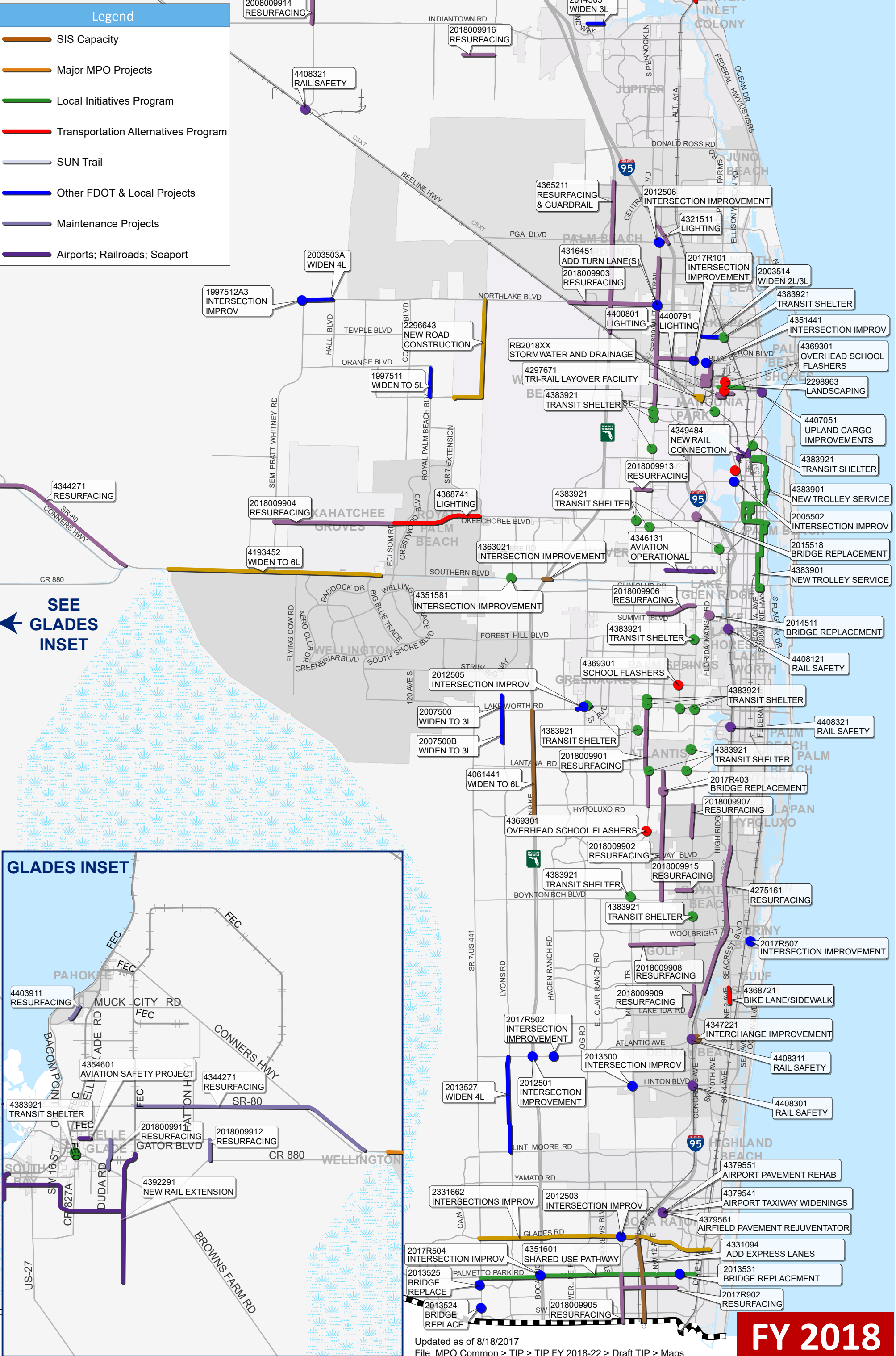
Transportation Alternatives Program

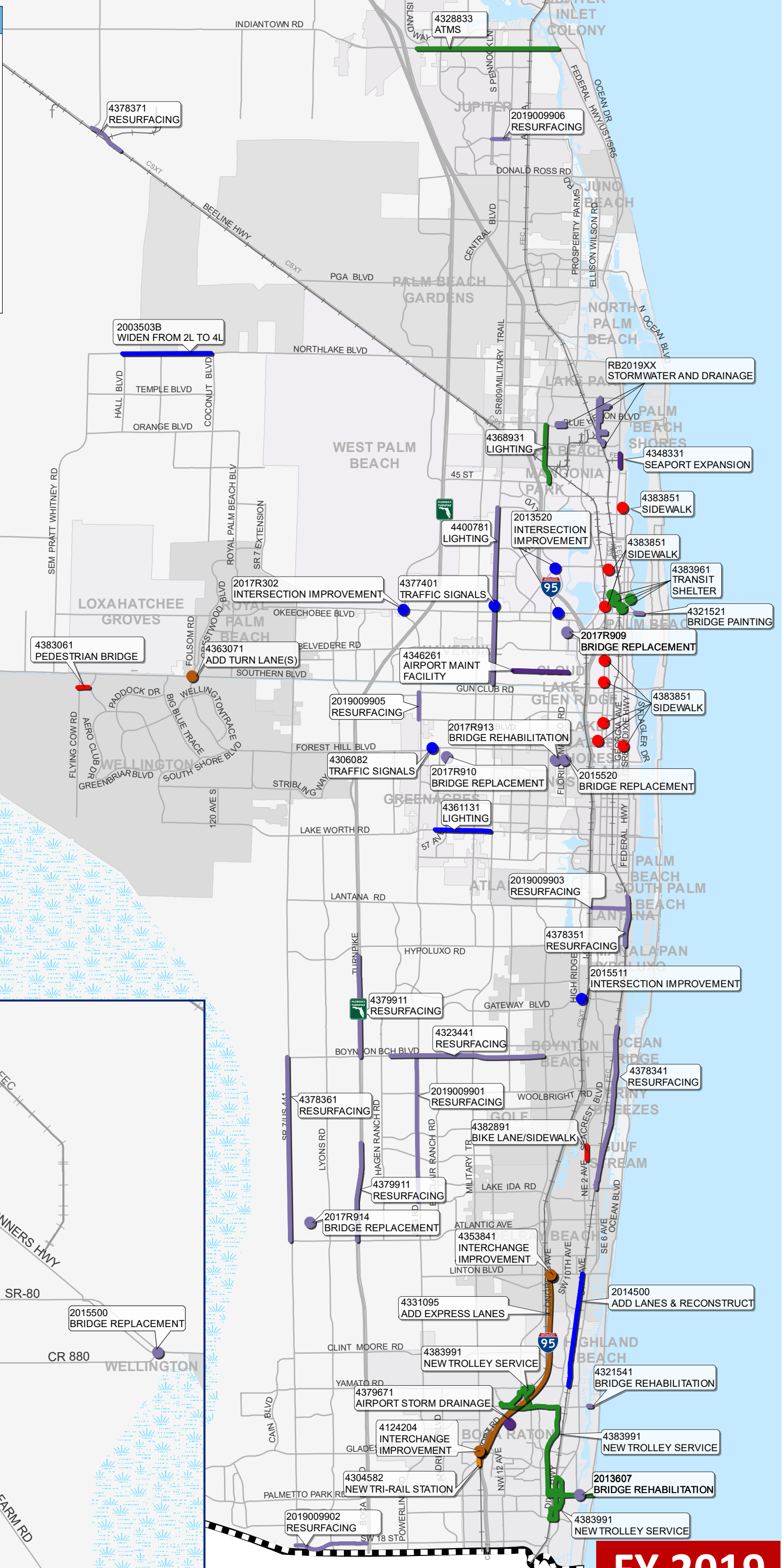
SUN Trail

Other FDOT & Local Projects

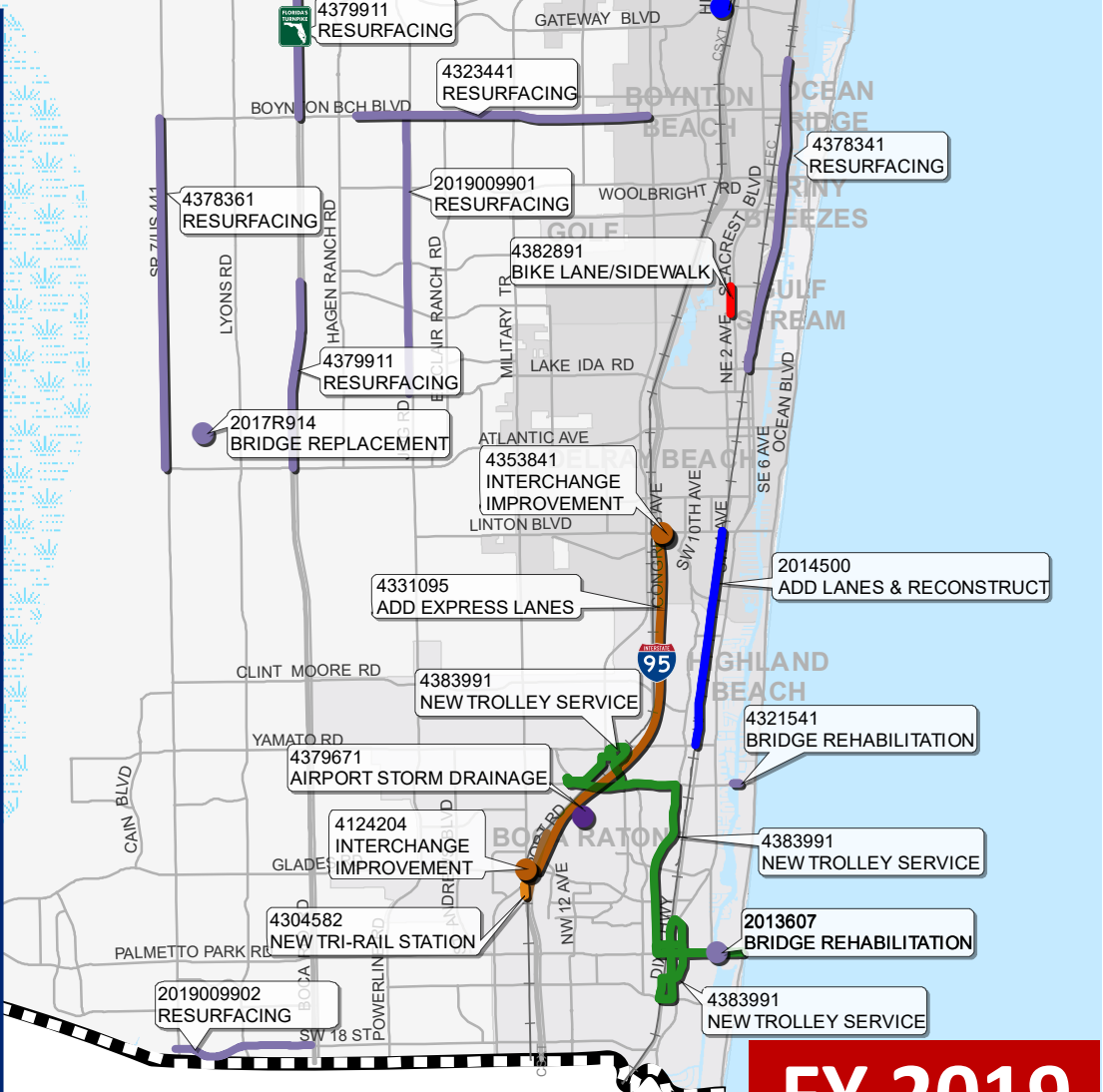
Maintenance Projects

Airports; Railroads; Seaport



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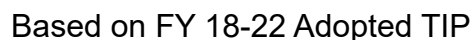
**SEE
GLADES
INSET**



Updated as of 8/18/2017
File: MPO Common > TIP > TIP FY 2018-22 > Draft TIP > Maps

FY 2019

TRANSPORTATION IMPROVEMENT PROGRAM CONSTRUCTION PROJECTS



Updated as of 8/18/2017
File: MPO Common > TIP > TIP FY 2018-22 > Draft TIP > Maps

Legend

SIS Capacity

Major MPO Projects

Local Initiatives Program

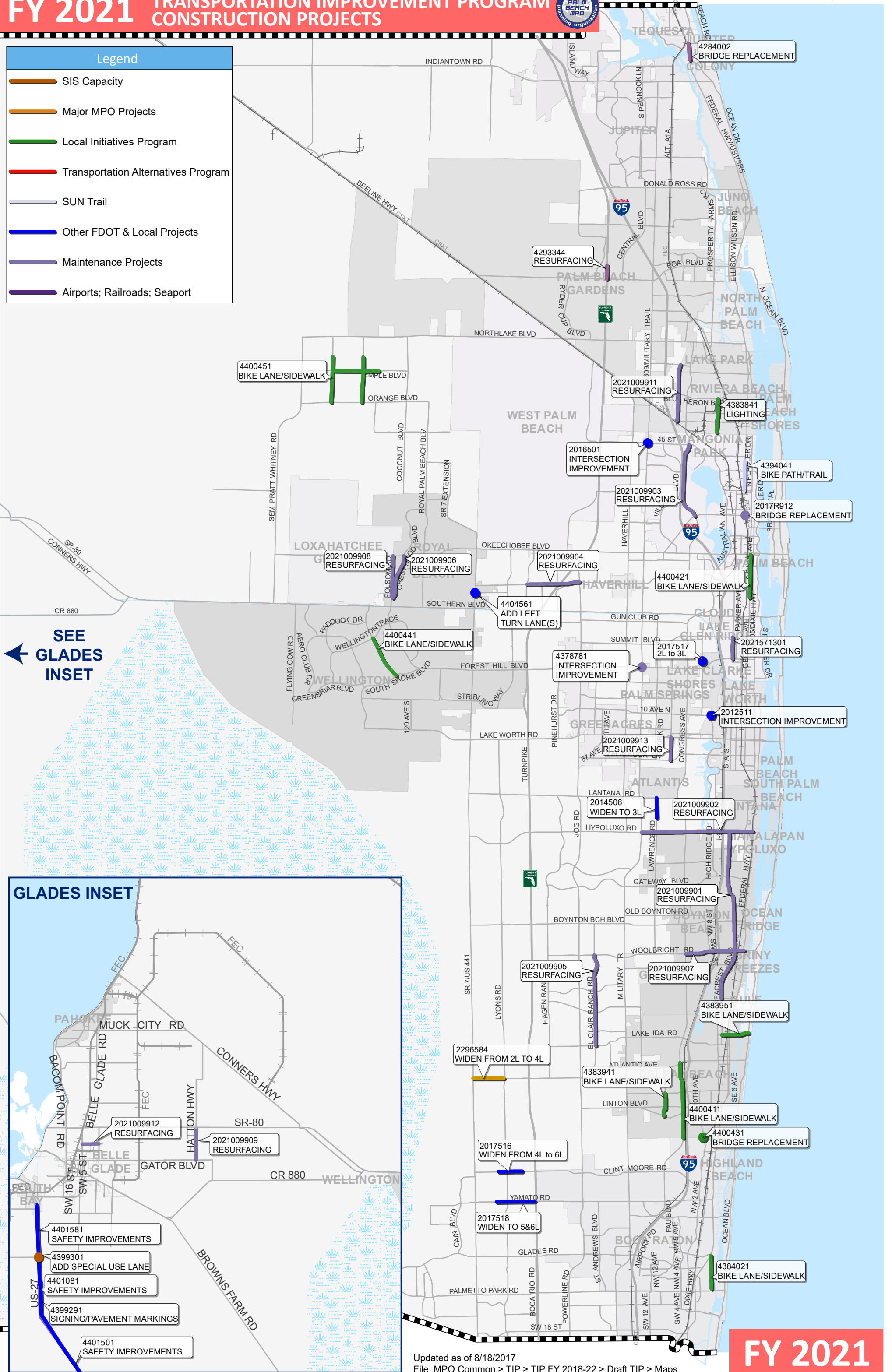
Transportation Alternatives Program

SUN Trail

Other FDOT & Local Projects

Maintenance Projects

Airports; Railroads; Seaport



Legend

SIS Capacity

Major MPO Projects

Local Initiatives Program

Transportation Alternatives Program

SUN Trail

Other FDOT & Local Projects

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Airports; Railroads; Seaport

