

# STRATEGIC INTERMODAL SYSTEM (SIS) Projects for LRTP Update

TPO Presentation

Ken Jeffries, FDOT D-6 Planning Manager

April 20, 2018



# Agenda Overview

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- SIS Background
- SIS Facilities
- SIS 1<sup>st</sup> and 2<sup>nd</sup> Five-Years
- SIS CFP



# SIS Background

- Established 2003 by Legislature and Governor
- Purpose: Multi-modal System to enhance Mobility and Economic Competitiveness
- SIS Objectives:
  - Inter-regional Connectivity
  - Intermodal Connectivity
  - Economic Development

Guiding Vision  
for Sound  
Investment of  
Limited State  
Resources

- 
- A large, light blue bracket graphic is positioned to the left of the list, spanning the vertical range of the five items.
- Statewide and Regional Economic Development
  - Freight Mobility and Trade Development
  - Technology and Innovative Practices
  - Connecting Modes and Systems
  - Coordination with Regional Transportation and Land Use Partners

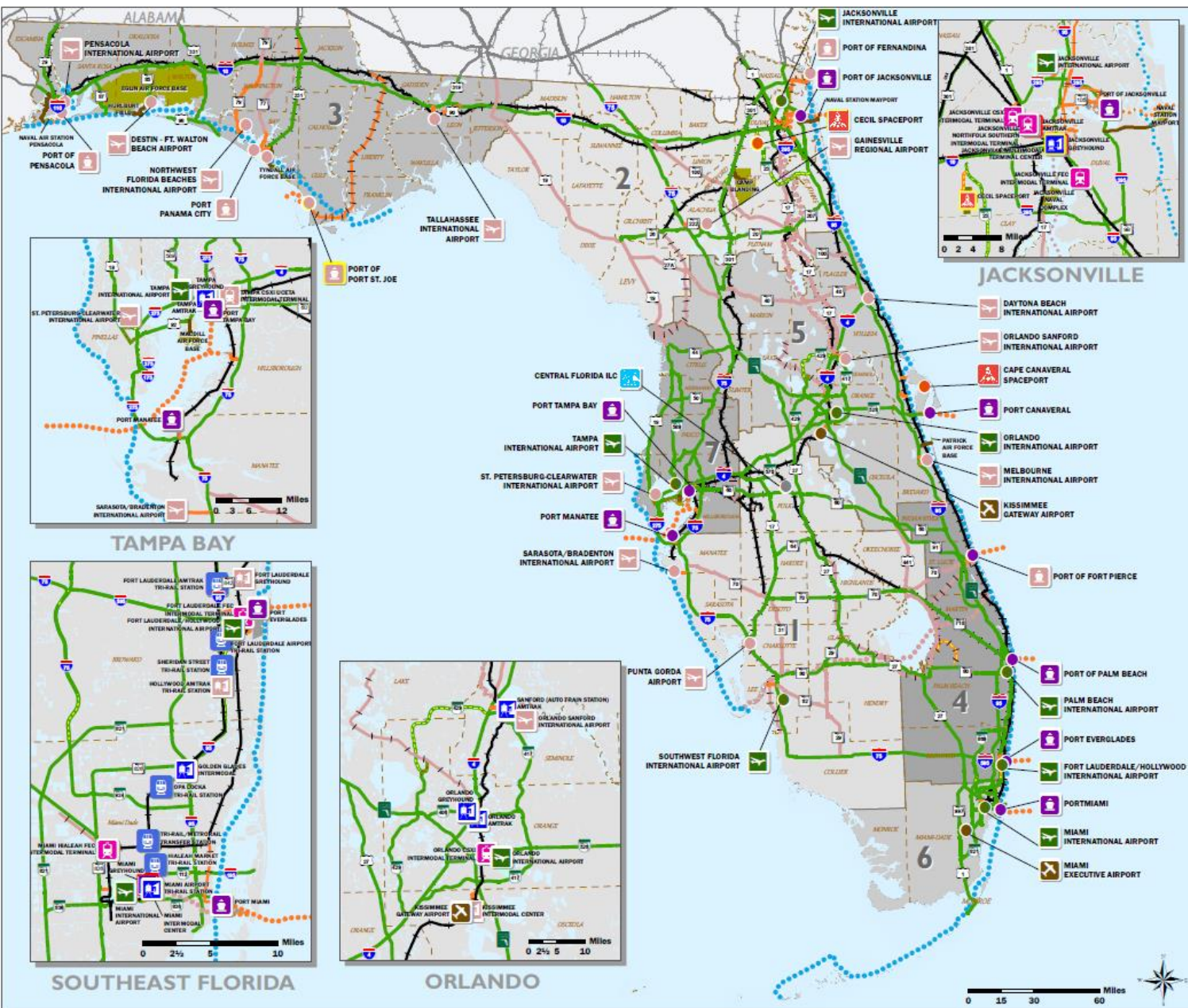


# SIS Facilities Statewide

- Hubs
- Corridors
- Connectors



- 17 Airports
- 12 Seaports
- 2 Spaceports
- 2300 miles of Rail Corridor
- 17 Passenger Rail Terminals
- 7 Freight Rail Terminals
- 4600 miles of Highway



**SIS** atlas

## Airports & Spaceports

- SIS Commercial Service Airport
- Emerging Commercial Service SIS Airport
- SIS General Aviation Reliever Airport
- SIS Spaceport

## Seaports

- SIS Seaport
- Emerging SIS Seaport

## Freight Rail Terminals

- SIS Freight Rail Terminal
- Emerging SIS Freight Rail Terminal

## Intermodal Logistic Center

- SIS Intermodal Logistic Center

## Passenger Terminals

- SIS Passenger Terminal
- Emerging SIS Passenger Terminal

## Urban Fixed Guideway Transit

- SIS Urban Fixed Guideway Station

## Highway

- SIS Highway Corridor
- Emerging SIS Highway Corridor
- SIS Highway Connector
- Military Access Facility

## Rail

- SIS Railway Corridor
- Emerging SIS Railway Corridor
- SIS Railway Connector

## Waterways

- SIS Waterway
- Emerging SIS Waterway
- SIS Waterway Connector

## Facilities: Planned Add & Drop

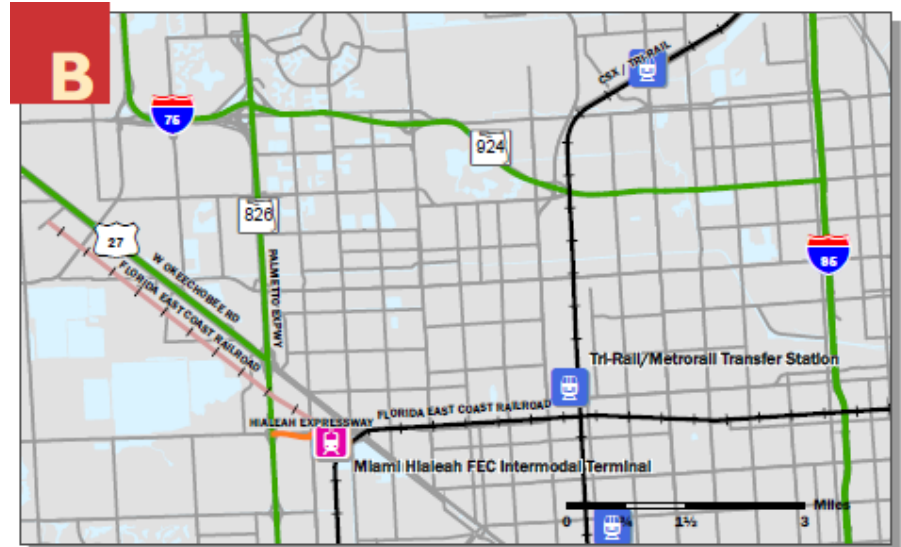
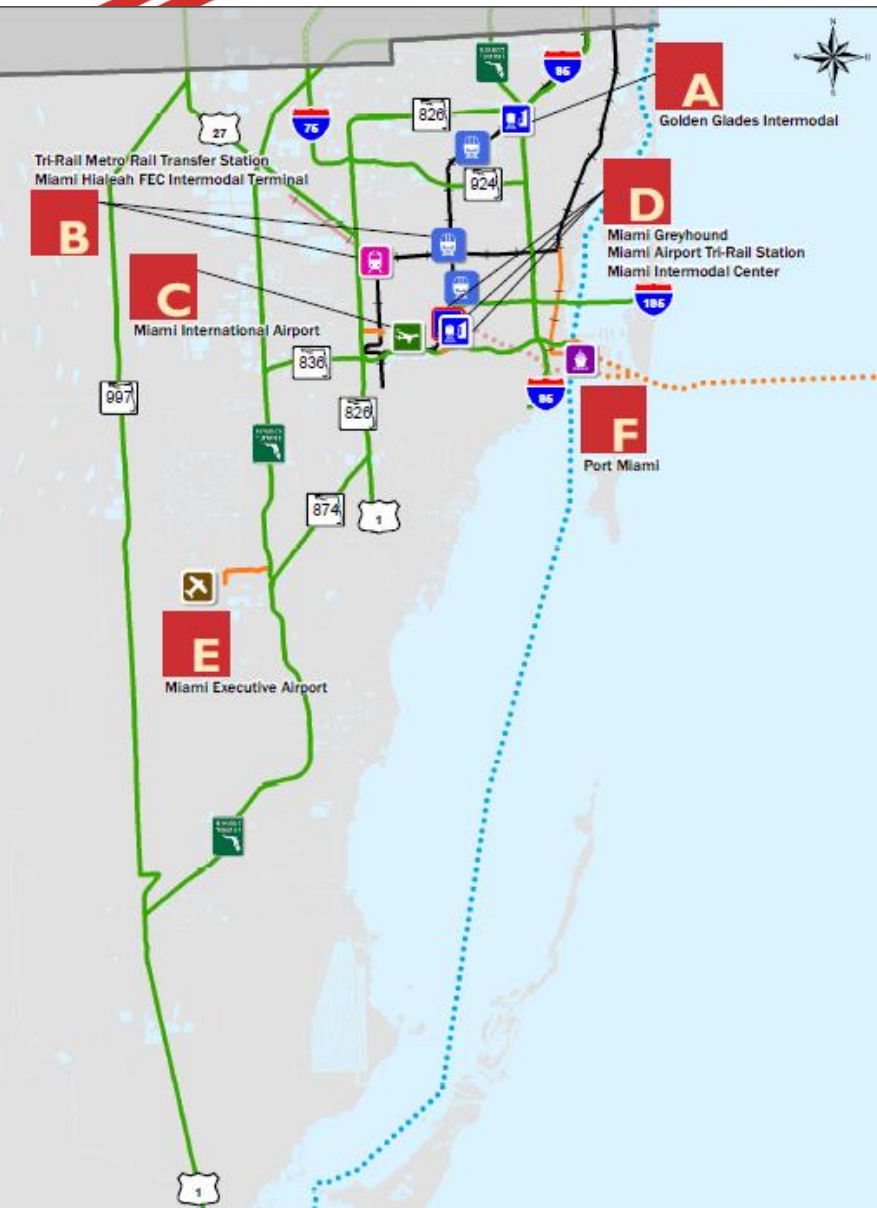
- Planned Add
- Planned Drop

Florida Department of Transportation  
Strategic Intermodal System  
September 2017  
<http://www.dot.state.fl.us> 850-414-4900





# Miami-Dade SIS Facilities



Tri-Rail Metro Rail Transfer Station  
Miami Hialeah FEC Intermodal Terminal



Miami International Airport







# TIP / LRTP / SIS Connection

## TIP / LRTP

## SIS CFP

TPO / TIP and LRTP Priority 1	Tentative Work Program / SIS 1 <sup>st</sup> Five Year Plan
LRTP Priority 2	SIS 2 <sup>nd</sup> Five Year Plan
LRTP Priorities 3 and 4	Cost Feasible Plan = 2 <sup>nd</sup> Ten Year Plan



# SIS 1<sup>st</sup> Five-Years - Interstate



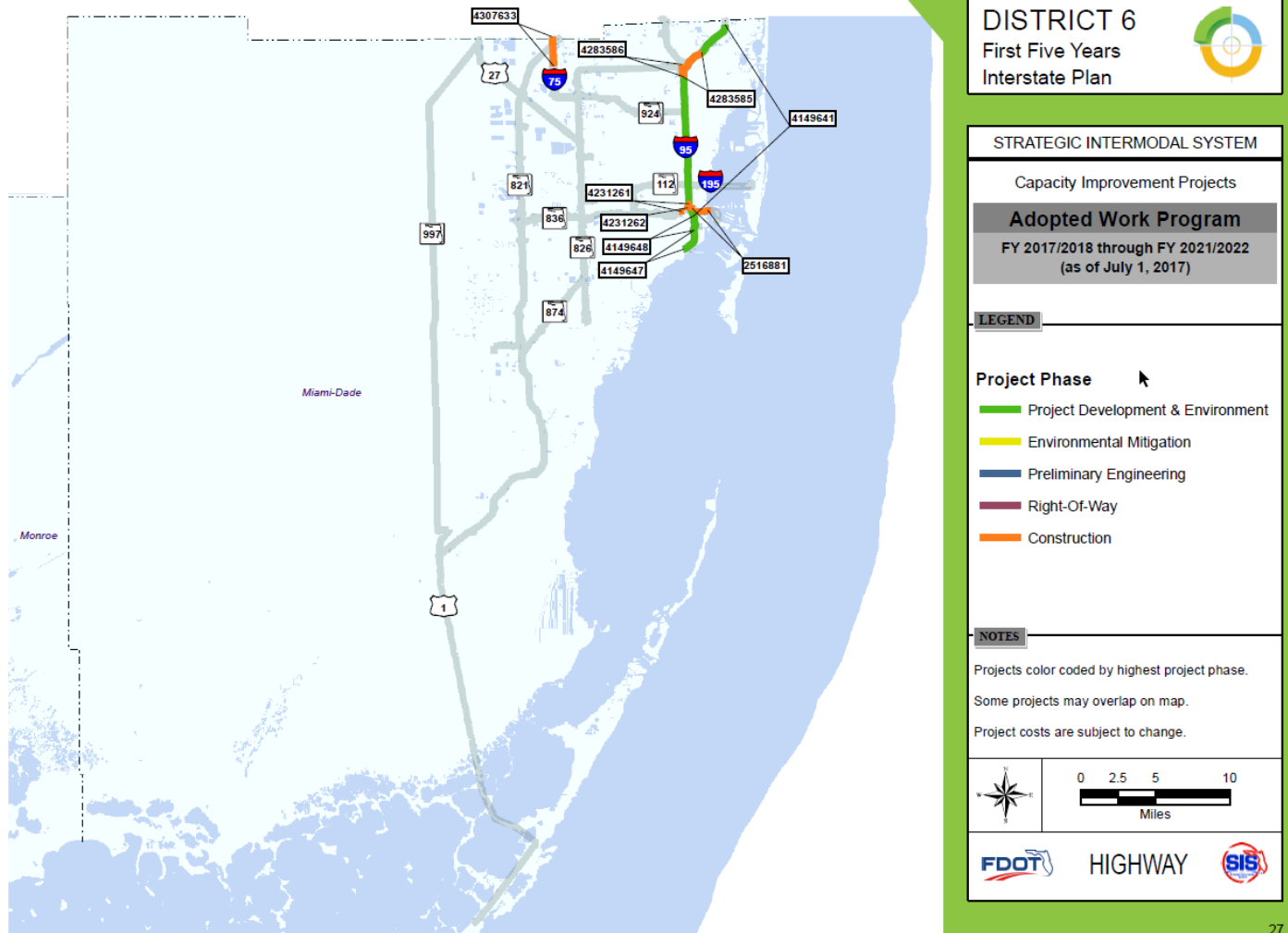
## District 6 SIS Interstate Plan



MAP ID	FACILITY	DESCRIPTION	2018	2019	[No Title]	2021	2022	TOTAL STATE MANAGED	TOTAL DISTRICT MANAGED	TOTAL LOCAL FUNDS	PD&E	PE	ENV	ROW	CON
2516881	SR 836/I-395 from West of I-95 to Macarthur Cswy Bridge	Bridge	\$249,490	\$119,339	\$555	\$569	\$0	\$369,383	\$504	\$66		●		●	●
4231261	SR 836/I-95 Interchange Ramps from Nw 17 Ave to I-95 (mdx)	Modify Interchange	\$19,793	\$0	\$0	\$0	\$0	\$0	\$0	\$19,793					●
4283586	SR 91/I-95 Tumpike Sb to SR 9a/I-95 Sb Express Ln Flyover(tpk Connectr)	Modify Interchange	\$0	\$0	\$0	\$51,782	\$0	\$50,008	\$1,774	\$0					●
4307633	SR 93/I-75 from S. of Nw 170 Street to Miami-dade County Line	Managed Lanes	\$500	\$500	\$0	\$0	\$0	\$1,000	\$0	\$0					●
4149648	SR 9a/I-95 from North of SR 90/sw 8 Street to South of SR 836/I-395	Project Dev. & Env.	\$100	\$3,600	\$0	\$0	\$0	\$0	\$3,700	\$0	●				
4149641	SR 9a/I-95 from S. of SR 836/I-395 to Broward County Line	Project Dev. & Env.	\$0	\$13,035	\$0	\$0	\$0	\$13,035	\$0	\$0	●				
4149647	SR 9a/I-95 from US-1/south Dixie Highway to South of SR 90/sw 8 Street	Project Dev. & Env.	\$100	\$6,600	\$0	\$0	\$0	\$0	\$6,700	\$0	●				
4283585	SR 9a/I-95 Nb from Biscayne River Canal to SR 860/miami Garden Dr	Add 2 Auxiliary Lanes	\$554	\$0	\$0	\$29,394	\$0	\$29,394	\$554	\$0		●			●
4231262	SR 9a/I-95 Southbound Ramp to Westbound SR 836	Modify Interchange	\$0	\$0	\$41,904	\$0	\$0	\$40,939	\$966	\$0					●
<b>ANNUAL TOTALS</b>			<b>\$270,537</b>	<b>\$143,074</b>	<b>\$42,459</b>	<b>\$81,745</b>	<b>\$0</b>	<b>\$503,759</b>	<b>\$14,198</b>	<b>\$19,859</b>					



# SIS 1st Five-Years Interstate





# SIS 1<sup>st</sup> Five-Years Non-Interstate



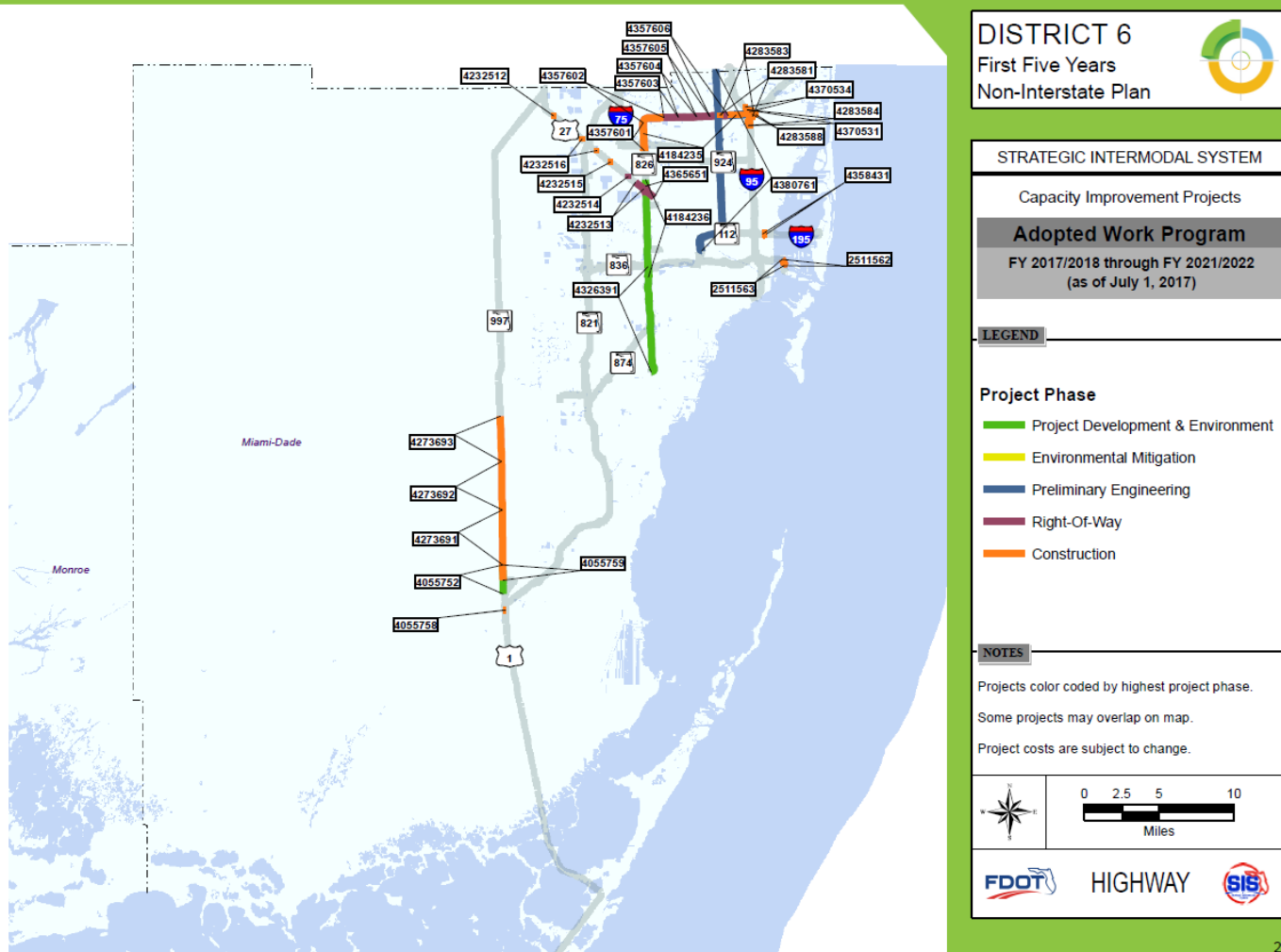
## District 6 SIS Non-Interstate Plan



MAP ID	FACILITY	DESCRIPTION	2018	2019	2020	2021	2022	TOTAL STATE MANAGED	TOTAL DISTRICT MANAGED	TOTAL LOCAL FUNDS	PD&E	PE	ENV	ROW	CON
4283584	Ggi Interchange Connector from US 441 to SR 91 Southbound	Modify Interchange	\$0	\$0	\$0	\$67,185	\$0	\$65,300	\$1,885	\$0					•
4370531	Golden Glades Interchange Improvements (mainline Spur Mp 0x)	Modify Interchange	\$14,263	\$6,138	\$0	\$122,203	\$0	\$0	\$142,604	\$0		•		•	•
4370534	Golden Glades Interchange Improvements N/b Direct Connect Bridge	Bridge	\$10,002	\$0	\$0	\$58,000	\$0	\$0	\$68,002	\$0	•	•			•
2511562	Port of Miami Tunnel from Port of Miami to SR836/I-395	New Road	\$250	\$250	\$250	\$250	\$250	\$1,250	\$0	\$0		•			
2511563	Port of Miami Tunnel from Port of Miami to SR 836/I-395	New Road	\$43,161	\$44,151	\$45,472	\$46,832	\$48,233	\$213,299	\$292	\$14,259		•			•
4358431	SR 112/I-195 Frontage Rd & Ramp Realignment (miami Design District)	New Road	\$20	\$5,708	\$180	\$0	\$0	\$4,920	\$984	\$4		•			•
4232512	SR 25/okeechobee Rd from Broward County Line to West of Heft	Add 2 Auxiliary Lanes	\$3,338	\$5,110	\$3,069	\$0	\$23,257	\$20,892	\$13,881	\$0		•		•	•
4232513	SR 25/okeechobee Rd from East of Nw 87 Ave to Nw 79 Ave (concrete)	Add 2 to Build 8 Lanes	\$66	\$0	\$0	\$6,880	\$7,720	\$7,477	\$7,190	\$0		•		•	
4232514	SR 25/okeechobee Rd from E. of Nw 116 Way to E. of Nw 87 Ave(concrete)	Grade Separation	\$1,329	\$550	\$363	\$10,850	\$20,750	\$32,814	\$1,028	\$0		•		•	
4232515	SR 25/okeechobee Rd from E. of Nw 107 Ave to E. of Nw 116 Way(concrete)	Grade Separation	\$9,313	\$9,456	\$6,855	\$111,773	\$0	\$129,411	\$7,986	\$0		•		•	•
4232516	SR 25/okeechobee Rd from E. of Nw 117 Ave to E. of Nw 107 Ave(concrete)	Modify Interchange	\$33	\$0	\$35,325	\$0	\$0	\$35,080	\$277	\$0		•			•
4365651	SR 25/okeechobee Rd. & SR 826/palmetto Expressway (varioUS Ramps)	Project Dev. & Env.	\$18	\$4,200	\$0	\$0	\$22,536	\$25,000	\$1,754	\$0	•			•	
4283588	SR 826 Connector at Golden Glades Interchg And VarioUS Ramps	Modify Interchange	\$591	\$2,000	\$0	\$55,141	\$6,620	\$40,000	\$24,351	\$0				•	•
4184235	SR 826/palmetto Expy from I-75 to Nw 17 Avenue	Add 4 Special Use Lanes	\$4,310	\$3,311	\$0	\$0	\$0	\$4,906	\$2,715	\$0		•		•	
4184236	SR 826/palmetto Expy from SR 968/w Flagler St to Nw 154 Street	Project Dev. & Env.	\$0	\$0	\$0	\$2,080	\$0	\$0	\$2,080	\$0	•				
4283581	SR 826/palmetto Expy - SR 826 Eastbound Ramp to SR 9a/I-95 Northbound	Modify Interchange	\$24,963	\$21	\$0	\$104,026	\$15,684	\$14,421	\$130,273	\$0		•		•	•
4326391	SR 826/palmetto Expy from US-1/s. Dixie Hwy to SR 836/dolphin Xway	Managed Lanes	[No Title]	\$31	\$10	\$0	\$0	\$0	\$41	\$0	•				
4357601	SR 826/palmetto Expy from I-75 to N. of Canal C-8 Brdg(approx Nw 162st)	Managed Lanes	\$22	\$10,337	\$9,100	\$4,650	\$199,582	\$185,000	\$38,691	\$0		•		•	•
4357602	SR 826/palmetto Expy from N. of Canal C-8 Brdg(162st) to E. of Nw 67 Ave	Managed Lanes	\$176	\$4,277	\$4,330	\$5,233	\$85,455	\$94,285	\$5,185	\$0		•		•	•
4357603	SR 826/palmetto Expy from E. of Nw 67 Ave to E. of Nw 57 Ave	Managed Lanes	\$175	\$0	\$0	\$8,064	\$8,400	\$8,300	\$8,339	\$0		•		•	
4357604	SR 826/palmetto Expy from E. of Nw 57 Ave to E. of Nw 42 Ave	Managed Lanes	\$282	\$0	\$0	\$1,152	\$1,280	\$0	\$2,713	\$0		•		•	
4357605	SR 826/palmetto Expy from E. of Nw 42 Ave to E. of Nw 32 Ave	Managed Lanes	\$288	\$0	\$0	\$805	\$0	\$0	\$1,093	\$0		•		•	
4357606	SR 826/palmetto Expy from E. of Nw 32 Ave to W. of Nw 17 Ave	Managed Lanes	\$190	\$0	\$0	\$3,636	\$4,245	\$4,185	\$3,886	\$0		•		•	
4283583	SR 826/palmetto Xway from W. of Nw 17th Avenue to I-95 (express Lanes)	Managed Lanes	\$0	\$0	\$17,200	\$0	\$0	\$17,000	\$200	\$0		•			
4380761	SR 91nw 27 Ave from Mia Intrmdal Ctr to Nw 215 St/unity Stn(pte Study)	Project Dev. & Env.	\$762	\$4,069	\$0	\$0	\$0	\$0	\$4,831	\$0	•	•			
4055758	SR 9336/palm Drive from SR 997/krome Ave to SR 5/US 1 (truck Bypass)	Widen/Resurf Exist Lane	\$0	\$1,018	\$138	\$100	\$0	\$0	\$1,256	\$0					•
4055752	SR 997/krome Avenue from So. of Flagler Ave to Sw 296th St. (by-pass)	Project Dev. & Env.	\$19	\$0	\$0	\$0	\$0	\$0	\$19	\$0	•				
4055759	SR 997/krome Avenue from Sw 312st/campbell Dr to Sw 296 St (truckbyps)	Add 2 to Build 4 Lanes	\$6	\$3,753	\$510	\$0	\$100	\$0	\$4,366	\$3		•			•
4273691	SR 997/krome Avenue from Sw 296 Street to S of Sw 232 Street	Add 2 to Build 4 Lanes	\$24,298	\$59,746	\$0	\$0	\$1,000	\$47,650	\$37,388	\$6		•		•	•
4273692	SR 997/krome Avenue from Sw 232 Street to S of Sw 184th St/eureka Dr.	Add 2 to Build 4 Lanes	\$40,412	\$15,368	\$0	\$680	\$0	\$41,590	\$14,870	\$0		•		•	•
4273693	SR 997/krome Avenue from Sw 184 Street to South of Sw 136 Street	Add 2 to Build 4 Lanes	\$25,440	\$5,284	\$0	\$680	\$0	\$23,027	\$8,377	\$0				•	•
ANNUAL TOTALS			\$203,758	\$184,757	\$122,792	\$610,220	\$445,112	\$1,015,807	\$536,557	\$14,272					



# SIS 1st Five-Years Non-Interstate

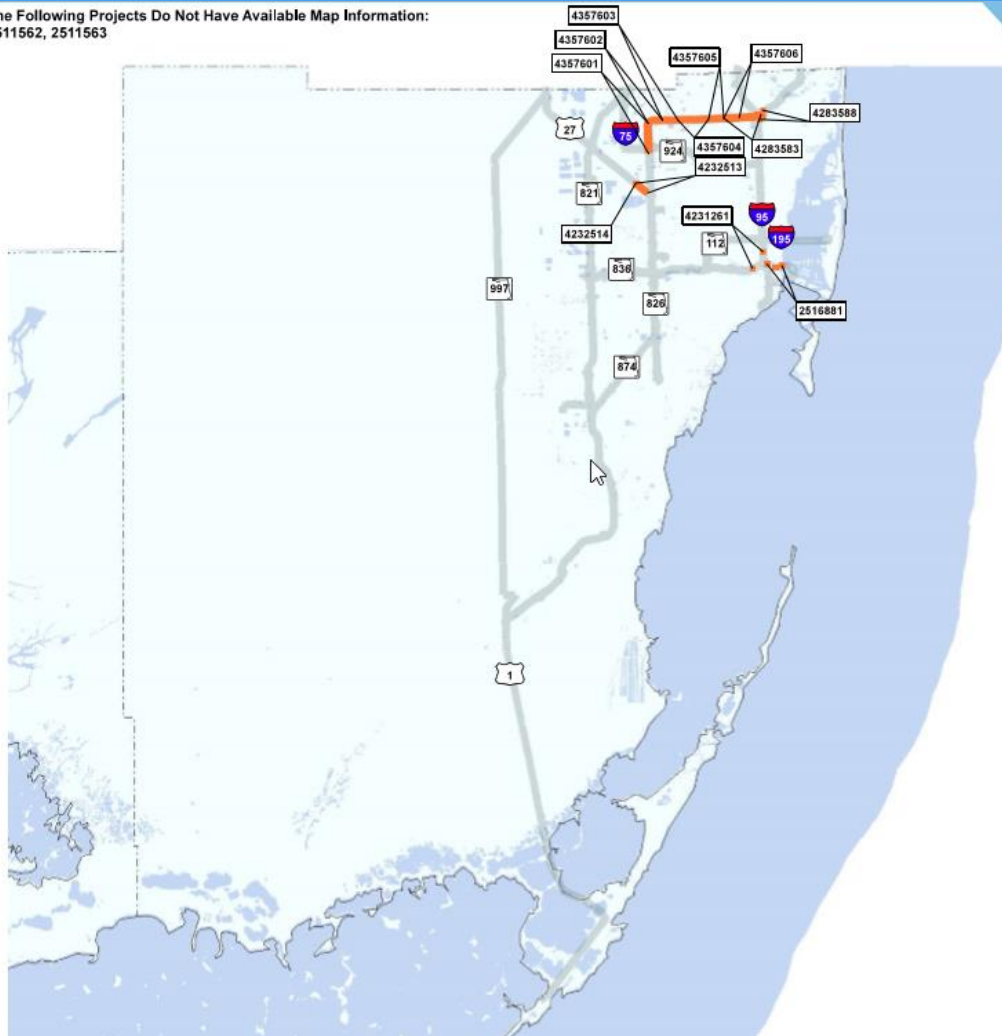






# SIS 2nd Five-Years

The Following Projects Do Not Have Available Map Information:  
2511562, 2511563



## DISTRICT 6 Second Five Years



### STRATEGIC INTERMODAL SYSTEM

Capacity Improvement Projects

#### Approved Plan

FY 2022/2023 through FY 2026/2027  
(as of July 1, 2017)

#### LEGEND

##### Project Phase

- Project Development & Environment
- Environmental Mitigation
- Preliminary Engineering
- Right-Of-Way
- Construction

#### NOTES

Projects color coded by highest project phase.  
Some projects may overlap on map.  
Project costs are subject to change.



HIGHWAY





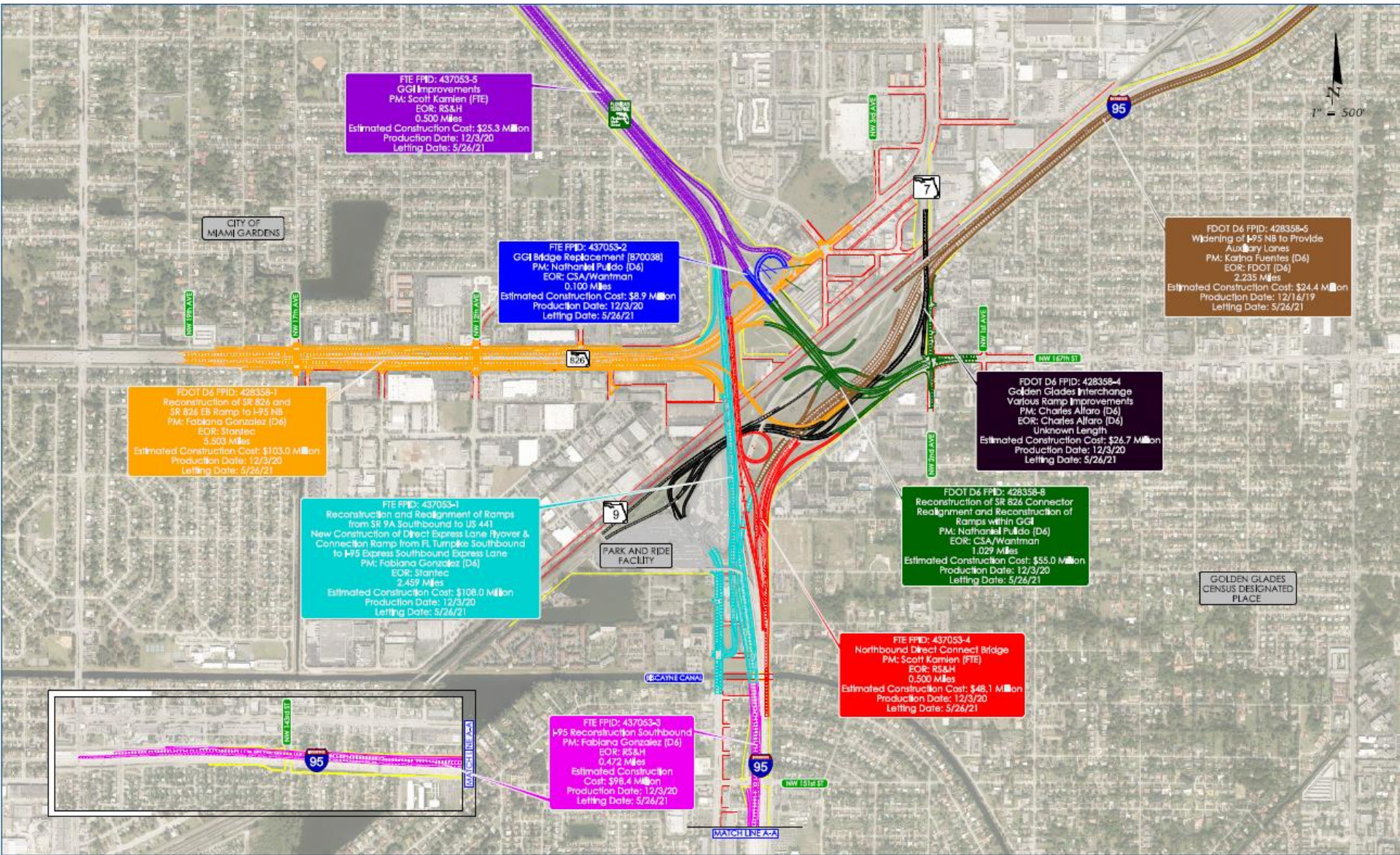
# TIP / SIS 1<sup>st</sup> Five-Year Projects

I-75 / 826 EL	\$270 million	July 2018 - Complete
SR 997 / Krome	\$285 million	SW 8 to US 27 - Complete SW 136 to 8 - Complete 2018 SW 296 to 136 - Oct 2018 Begin
I-395	\$600 million	Cone of Silence
Golden Glades Interchange	\$558 million	Begin 2021
Golden Glades Multi-Modal Center	\$64 million	Begin 2018 Design/Build
826 East / West	\$642 million	Begin 2022
US 27 / Okeechobee	\$390 million	Begin 2019





# 2040 LRTP = GGI Project







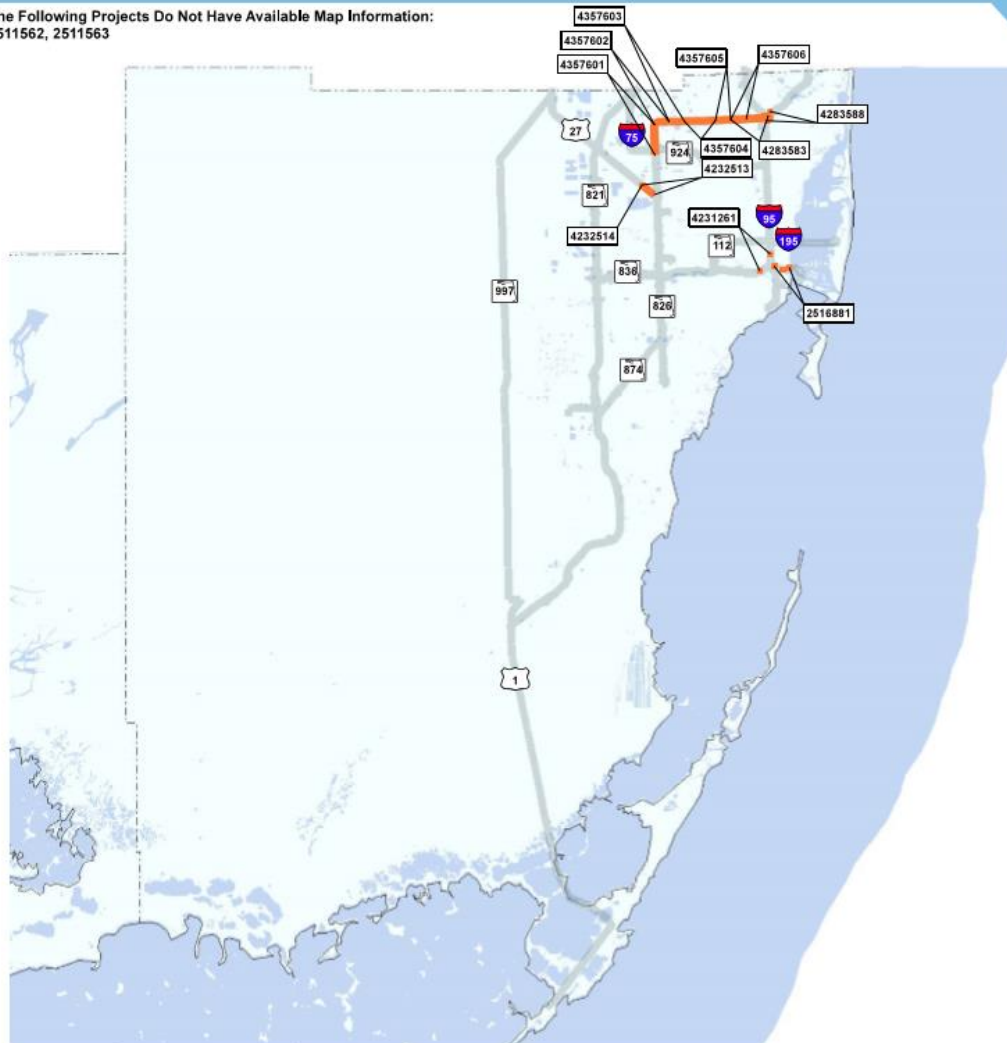
# SIS 2<sup>nd</sup> Five-Years

MAP ID	FACILITY	DESCRIPTION	2023	2024	2025	2026	2027	TOTAL STATE MANAGED	TOTAL DISTRICT MANAGED	TOTAL LOCAL FUNDS	PD&E	PE	ENV	ROW	CON
2511562	PORT OF MIAMI TUNNEL FROM PORT OF MIAMI TO SR836/I-395	New Road	\$250	\$250	\$250	\$250	\$250	\$1,250	\$0	\$0		●			
2511563	PORT OF MIAMI TUNNEL FROM PORT OF MIAMI TO SR 836/I-395	New Road	\$49,677	\$51,163	\$52,694	\$54,272	\$55,896	\$247,172	\$0	\$16,530		●			●
4232513	SR 25/OKEECHOBEE RD FROM EAST OF NW 87 AVE TO NW 79 AVE (CONCRET	Add 2 to Build 8 Lanes	\$4,056	\$26,045	\$0	\$0	\$0	\$26,220	\$3,881	\$0				●	●
4232514	SR 25/OKEECHOBEE RD FROM E. OF NW 116 WAY TO E. OF NW 87 AVE(CONC	Grade Separation	\$1,170	\$0	\$184,024	\$0	\$0	\$184,024	\$1,170	\$0				●	●
4283588	SR 826 CONNECTOR AT GOLDEN GLADES INTERCHG AND VARIOUS RAMPS	Modify Interchange	\$700	\$0	\$0	\$0	\$0	\$0	\$700	\$0					●
4357601	SR 826/PALMETTO EXPY FROM I-75 TO N.OF CANAL C-8 BRDG(APPROX NW 16	Managed Lanes	\$17,067	\$0	\$0	\$0	\$0	\$14,500	\$2,567	\$0					●
4357602	SR 826/PALMETTO EXPY FROM N.OF CANAL C-8 BRDG(162ST) TO E.OF NW 67	Managed Lanes	\$7,600	\$0	\$0	\$0	\$0	\$7,600	\$0	\$0					●
4357603	SR 826/PALMETTO EXPY FROM E. OF NW 67 AVE TO E. OF NW 57 AVE	Managed Lanes	\$3,197	\$0	\$76,088	\$0	\$0	\$79,188	\$97	\$0				●	●
4357604	SR 826/PALMETTO EXPY FROM E. OF NW 57 AVE TO E. OF NW 42 AVE	Managed Lanes	\$592	\$0	\$106,818	\$0	\$0	\$106,818	\$592	\$0				●	●
4357605	SR 826/PALMETTO EXPY FROM E. OF NW 42 AVE TO E. OF NW 32 AVE	Managed Lanes	\$0	\$0	\$93,898	\$0	\$0	\$93,898	\$0	\$0					●
4357606	SR 826/PALMETTO EXPY FROM E. OF NW 32 AVE TO W. OF NW 17 AVE	Managed Lanes	\$343	\$0	\$0	\$0	\$97,216	\$97,519	\$40	\$0				●	●
4283583	SR 826/PALMETTO XWAY FROM W. OF NW 17TH AVENUE TO I-95 (EXPRESS LA	Managed Lanes	\$0	\$193,921	\$0	\$0	\$0	\$184,964	\$8,957	\$0					●
2516881	SR 836/I-395 FROM WEST OF I-95 TO MACARTHUR CSWY BRIDGE	Bridge	\$7,000	\$0	\$0	\$0	\$0	\$0	\$7,000	\$0					●
4231261	SR 836/I-95 INTERCHANGE RAMPS FROM NW 17 AVE TO I-95 (MDX)	Modify Interchange	\$2,100	\$0	\$0	\$0	\$0	\$0	\$0	\$2,100					●
ANNUAL TOTALS			\$93,752	\$271,379	\$513,772	\$54,522	\$153,362	\$1,043,153	\$25,004	\$18,630					



# SIS 2<sup>nd</sup> Five-Years

The Following Projects Do Not Have Available Map Information:  
2511562, 2511563



## DISTRICT 6 Second Five Years



### STRATEGIC INTERMODAL SYSTEM

Capacity Improvement Projects

#### Approved Plan

FY 2022/2023 through FY 2026/2027  
(as of July 1, 2017)

#### LEGEND

##### Project Phase

- Project Development & Environment
- Environmental Mitigation
- Preliminary Engineering
- Right-Of-Way
- Construction

#### NOTES

Projects color coded by highest project phase.

Some projects may overlap on map.

Project costs are subject to change.



HIGHWAY







# Updated SIS 2<sup>nd</sup> Five-Years

SR 25 Okeechobee Road	79 Ave	NW 87 Ave	\$43 million
SR 25 Okeechobee Road	NW 87 Ave	NW 116 Way	\$179 million
SR 826 at Okeechobee	New Ramps		\$58 million
SR 826 Palmetto Expway	NW 67 Ave	NW 57 Ave	\$74 million
SR 826 Palmetto Expway	NW 57 Ave	NW 42 Ave	\$86 million
SR 826 Palmetto Expway	NW 42 Ave	NW 32 Ave	\$86 million
SR 826 Palmetto Expway	NW 32 Ave	NW 17 Ave	\$91 million
SR 826 Palmetto Expway	NW 17 Ave	GGI	\$200 million
Total Cost			\$817 million



# 2040 LRTP Moving to 2045 LRTP

- Port Tunnel - 2040 Priority 4
- I-95 - 2040 Priority 4 Partially Funded
- SR 826 - 2040 Priority 4
- SR 826 Express Lanes - 2040 Priority 4 Partially Funded
- I-75 - 2040 Priority 4
- I-195 Reconstruction is a new project
- SR 826 / Okeechobee - 2040 Priority 4
- Palmetto MetroRail Terminal - 2040 Priority 3



# Updated SIS for 2045 LRTP

Port of Miami Tunnel	4 Phases		\$1.384 billion
I-95 Reconstruction	US 1	Broward C/L	\$1 billion
SR 826 Ultimate	SR 836	I-75	\$700 million
SR 826 Express Lanes	US 1	SR 836	\$610 million
I-75 Ultimate	SR 826	HEFT	\$250 million
I-195 Reconstruction	I-95	Alton	\$399 million
SR 826 at Okeechobee	New Ramps		\$58 million
Palmetto MetroRail Intermodal Terminal	At SR 826 / NW 74th Street		\$145 million



# Miami-Dade SIS Funding

- FDOT provides SIS funds to match eligible projects on SIS facilities.

## 2013-2017 Funds to Miami-Dade

- Aviation = \$91 mil / SIS \$n/a
- Seaport = \$72 mil / SIS \$33 mil
- Rail = \$24 mil / SIS \$17 mil

## 2018-2022 Funds to Miami-Dade

- Aviation = \$116 mil / SIS \$28 mil
- Seaport = \$36 mil / SIS \$25 mil
- Rail = \$74 mil / SIS \$67 mil



# Any Questions?

