

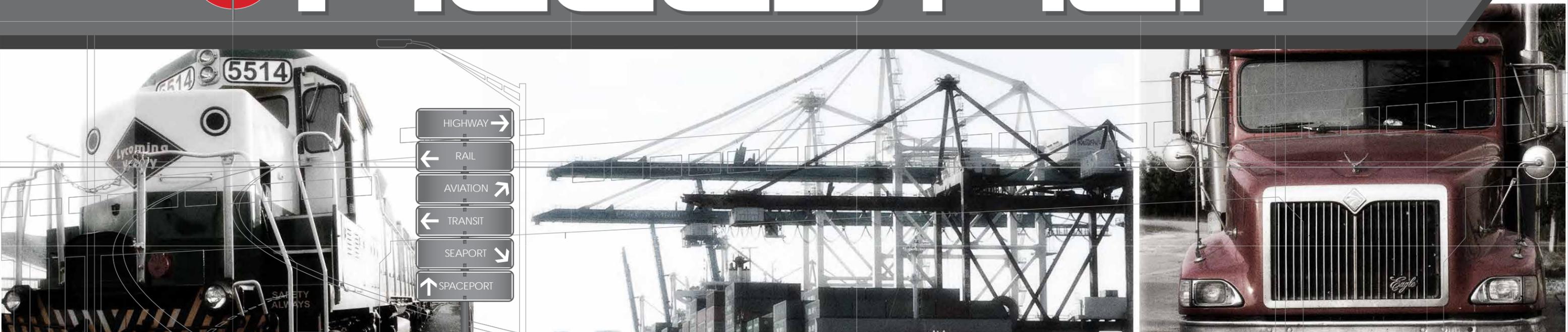


# FLORIDA'S STRATEGIC INTERMODAL SYSTEM



# 2040

# Multi-Modal Unfunded Needs Plan



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OCTOBER 2011



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# 2040 Strategic Intermodal System Multi-Modal Unfunded Needs Plan

The 2040 Strategic Intermodal System (SIS) Multi-Modal Unfunded Needs Plan is an update from the first ever SIS Multi-Modal Needs Plan, which was approved in May 2006. The purpose of the Needs Plan is to identify transportation capacity improvements on SIS facilities, that are currently unfunded in the 2010 SIS 1st Five Year Work Program, and not planned in either the 2011 SIS 2nd Five Year Plan or the 2035 SIS Cost Feasible Plan, which combined make up the SIS Funding Strategy.

The Needs Plan includes unfunded transportation projects within the context of the statewide and metropolitan planning process, while utilizing the policy guidance from the Florida Transportation Plan and the SIS Strategic Plan. All unfunded transportation projects included in the Needs Plan are unconstrained by cost and funding source or availability. The projects included in the Needs plan may move forward into either local Metropolitan Planning Organization (MPO) Long Range Transportation Plans (LRTP) or the Florida Department of Transportation's (FDOT) SIS Funding Strategy, while other projects may never advance due to high costs, environmental issues, policy direction, etc.

The projects incorporated into the Needs Plan include opportunities for improvements identified earlier in FDOT corridor plans, transportation partner master plans, traffic modeling and capacity analysis, statewide modal plans, visioning plans, and other regional plans and studies. Many of the identified projects, particularly the modal projects, were included from facility master plans. The FDOT 2010 Statewide Rail Plan provides many of the projects for rail, while the 2010 Spaceport Master Plan provides the projects for the spaceports. The Joint Automated Capital Improvement Plan (JACIP) and Seaports Capital Improvement Program (SEACIP) provide projects for Aviation and Seaport, respectively.

The criteria for SIS eligibility is utilized to determine if projects are eligible for future SIS funds. For each mode of transportation on the SIS, the eligibility criteria vary. Please see table on eligibility and designation.

## Florida Department of Transportation, Systems Planning Office

605 Suwannee Street, MS 19  
Tallahassee, Florida 32399-0450  
850.414.4900  
[www.dot.state.fl.us/planning](http://www.dot.state.fl.us/planning)



# Guidance for SIS Needs Plan Project Eligibility

## SIS Hubs

Airports	
Capacity Projects - Ground Transportation	On-airport transportation facilities that support the primary flow of passengers and cargo and that link to SIS connectors or hubs. E.g., passenger terminal and cargo facility direct access roadways; busways; rail lines.
Capacity Projects - Landside Connections	On-airport multi-modal facilities that link passenger and cargo terminals with a SIS connector or hub. E.g., on-airport rail/people mover stations or intermodal/bus terminals.
Capacity Projects - Airside Connections	Facilities that link passenger and cargo terminals with aviation corridors. E.g., apron expansion; taxiway (new or extension); runways (new or extension); runway, drainage, and approach lighting related to new or extended runways.
Capacity Projects - Terminal Connections	People mover (capacity); baggage system (capacity/non-security enhancements).
Reliever Airports	On-airport facilities that support the primary flow of passengers and cargo and that link to SIS connectors or hubs. E.g. passenger terminal and cargo facility direct access roadways; busways; rail lines.
Intermodal Freight Terminals	
Capacity Projects - Ground Transportation	Entrance roadways and rail that link to SIS connectors or hubs; cargo facility direct access roadways.
Capacity Projects - Terminal Development	Multi-modal cargo transfer infrastructure including staging areas and rail transfer.

Passenger Terminals	
Capacity Projects - Ground Transportation	On-site SIS passenger rail stations; entrance roadways and rail to link to SIS connectors or hubs; pickup/drop-off circulators.
Capacity Projects - Terminal Development	Multi-modal terminal facilities and connections (portion of the terminal directly linked by other modes).
Seaport	
Capacity Projects - Ground Transportation	On-site roadways and railways that directly link passenger and freight terminals to SIS connectors or hubs; on-dock and near-dock railways and connecting sidings (e.g. track used for staging the loading and off-loading of container cargo).
Capacity Projects - Landside Connections	Transfer cranes; conveyor belts; short-term container storage, warehouses, bulk storage facilities; intermodal, on-site connections with other transportation systems; (e.g. container on flat car infrastructure, roll-on/roll-off (RO/RO) ramps; container staging areas that enhance transfer to truck or rail.)
Capacity Projects - Waterside Connections	Dredging of links to SIS waterway connectors that add capacity to the seaport; new construction or major rehabilitation/reconstruction of berths, docks, quays, and wharves (including bulkheads) that add capacity to the seaport.
Spaceports	
Capacity Projects - Ground Operations	On spaceport roadway, railway, and multi-modal facilities that link passenger and cargo terminals with a SIS connector or hub.
Capacity Projects - Space Connections	Facilities that link passenger and cargo terminals with space corridors. E.g., new or expanded launch pads; aprons; taxiway; runways; drainage and approach lighting related to new or extended runways.

## SIS Corridors

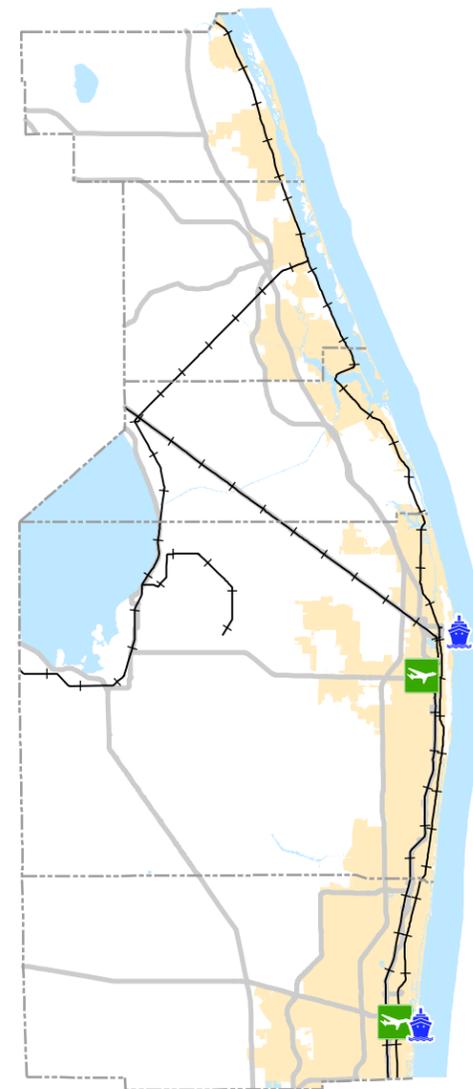
Highway Corridors	
Capacity Projects	Design; right-of-way; additional lanes; new facilities; enlarged bridges; intersection/interchange modifications; special use lanes.
Railroad Corridors	
Capacity Projects	Sidings; double tracking; rail yards; new rail line; track upgrade; grade separation; capital improvements for new passenger service along a SIS rail corridor where the service is deemed to relieve a SIS corridor.
Waterway Corridors	
Capacity Projects	Marking or dredging shipping channels in the immediate vicinity of SIS seaports; designation, identification, and improvement of shipping lanes within 12 miles of the Florida coast for purposes of avoiding hazards or unfavorable impacts of sea transport movements.
Urban Fixed Guideway Corridors	
Capacity Projects	Design, construction, of lanes, bridges, tracks, sidings, grading separations, yards related to fixed guideway transit development across multiple urbanized counties.

## SIS Connectors

Highway/Military Access Facility Connectors	
Capacity Projects	Design; right-of-way; additional lanes; new facilities; enlarged bridges; intersection/interchange modifications; special use lanes.
Railroad/Military Access Facility Connectors	
Capacity Projects	Sidings; double-tracking; rail yards; new rail line; track upgrade; grade separations.
Waterway Connectors	
Capacity Projects	New connectors; locks; dredging; widening.
Hub-to-Hub Connectors	
Capacity Projects	Design, construction of lanes, bridges, tracks, sidings, grade separations, railyards related to fixed guideway transit connecting two hubs.

**Note:** For this document military access facility project eligibility is equivalent to SIS Connectors and the projects are found in the Highway sections of this document. Urban Fixed Guideways cross multiple urbanized counties, and are either located in the rail sections for commuter or regional rail projects on existing rail lines which would fall under the auspices of the Federal Railroad Administration, or they are found under the Transit sections for projects on alignments not associated with existing rail lines and under the regulations of the Federal Transit Administration. Lastly, Hub-to-Hub Connectors are Fixed Guideway Connectors between SIS Hubs and are located in the Transit sections of this document.

# SIS Multi-Modal Unfunded Needs District 4 Tables and Maps





# STRATEGIC INTERMODAL SYSTEM

## 2040 SIS Multi-Modal Unfunded Needs Plan



October 2011

### Aviation Improvements - District 4

All values in 2010 dollars and subject to change

MAP ID	FACILITY	DESCRIPTION	HORIZON	IMPROVEMENT TYPE	TOTAL PROJECT COST
<b>SIS</b>					
A45-FLL-2040	Ft. Lauderdale / Hollywood International	Permanent In-Line Baggage System T2, T3, T4 (Construction)	Short-Term	Terminal Development	\$100,000,000
A45-FLL-2460	Ft. Lauderdale / Hollywood International	Terminal 4 Apron	Short-Term	Construct Apron	\$89,000,000
A45-FLL-2470	Ft. Lauderdale / Hollywood International	Runway 9R/27 L Extension	Short-Term	Construct Runway	\$751,031,000
A45-PBI-0660	Palm Beach International	Relocate, Expand, & Upgrade Runway 10R-28 L	Short-Term	Construct Runway	\$140,000,000
A45-PBI-2080	Palm Beach International	Golfview Apron, Taxilanes / Taxiways and Infrastructure	Short-Term	Construct Taxiway	\$6,300,000
A45-PBI-2090	Palm Beach International	Taxiway Lima (West) Upgrades and Improvements	Short-Term	Extend Taxiway	\$20,837,000
A45-PBI-2100	Palm Beach International	Taxiway Charlie (East) Improvements	Short-Term	Extend Taxiway	\$10,419,000
A45-PBI-2110	Palm Beach International	Taxiway Romeo (East)	Short-Term	Extend Taxiway	\$6,946,000
A45-PBI-2120	Palm Beach International	Terminal Building Baggage System Expansion	Short-Term	Terminal Development	\$24,980,000

Short-Term Sub-Total: \$1,149,513,000

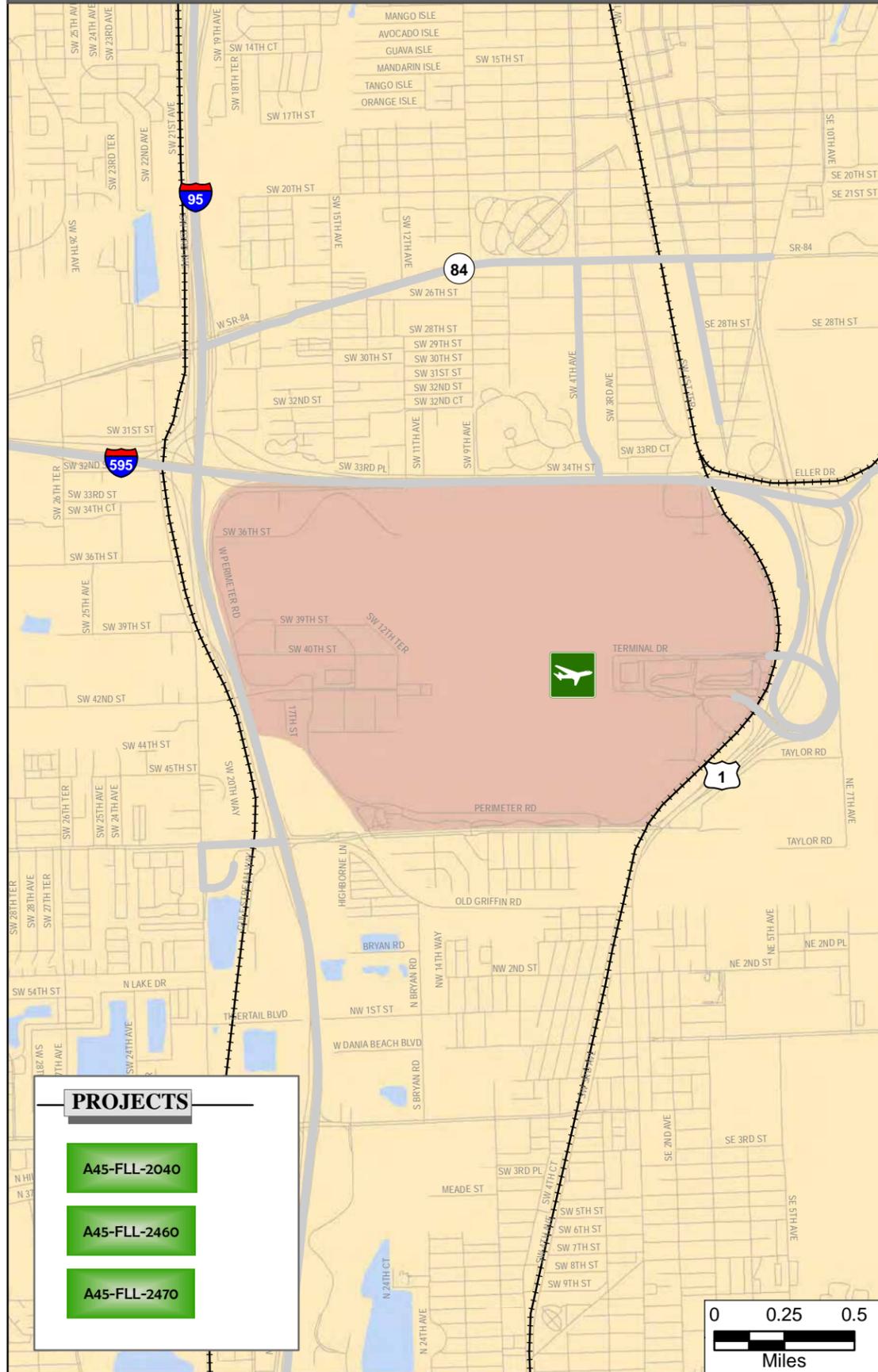
District Total: \$1,149,513,000

**NOTE:**

SIS - Facilities that are currently designated as a SIS facility

Potential SIS - Facilities that potentially meet designation criteria and thresholds, but are not currently designated.

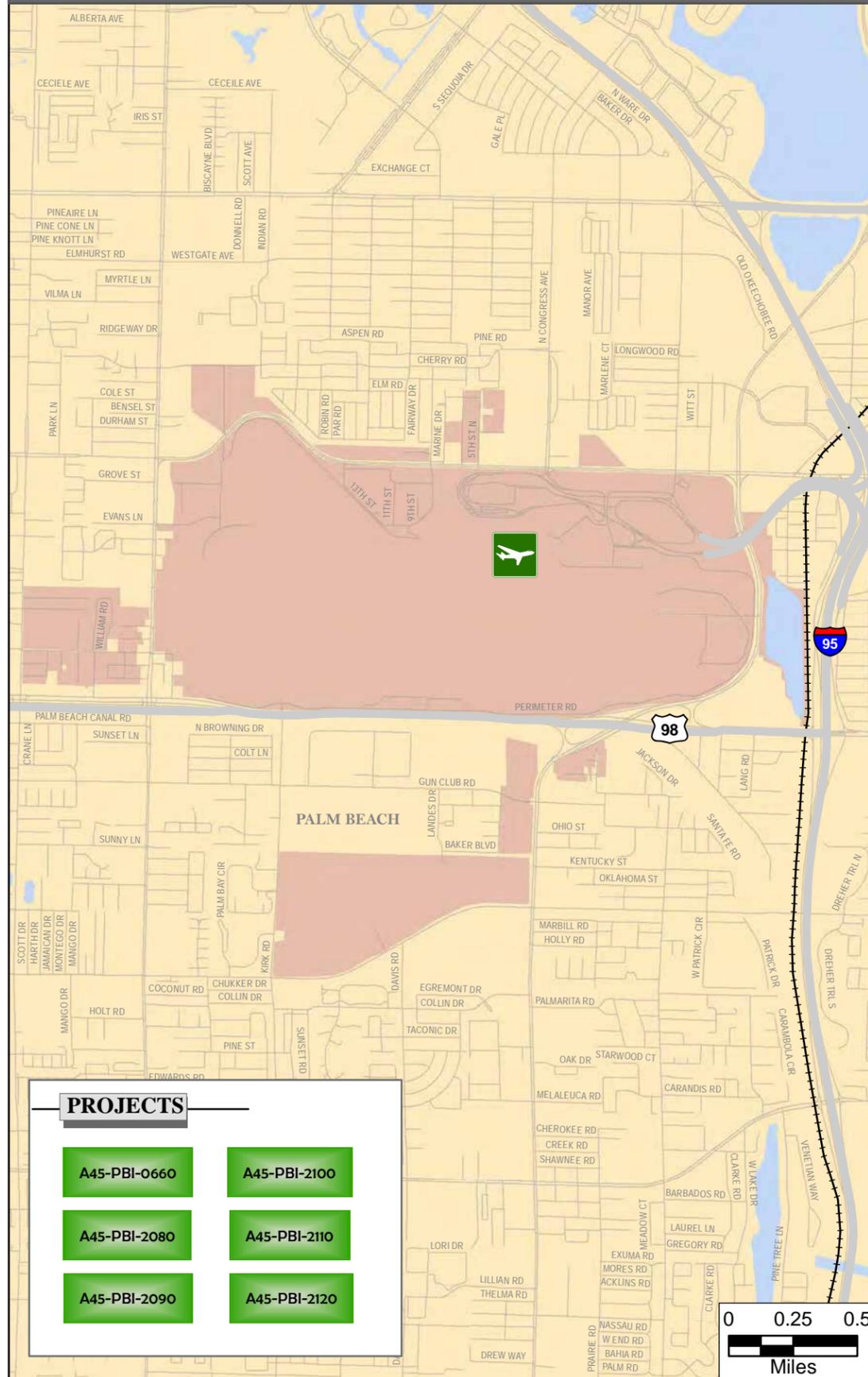
# A: Fort Lauderdale / Hollywood International Airport



- PROJECTS**
- A45-FLL-2040
  - A45-FLL-2460
  - A45-FLL-2470



# B: Palm Beach International Airport



- PROJECTS**
- A45-PBI-0660
  - A45-PBI-2080
  - A45-PBI-2090
  - A45-PBI-2100
  - A45-PBI-2110
  - A45-PBI-2120



## Aviation Improvements

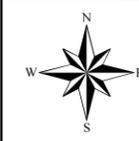
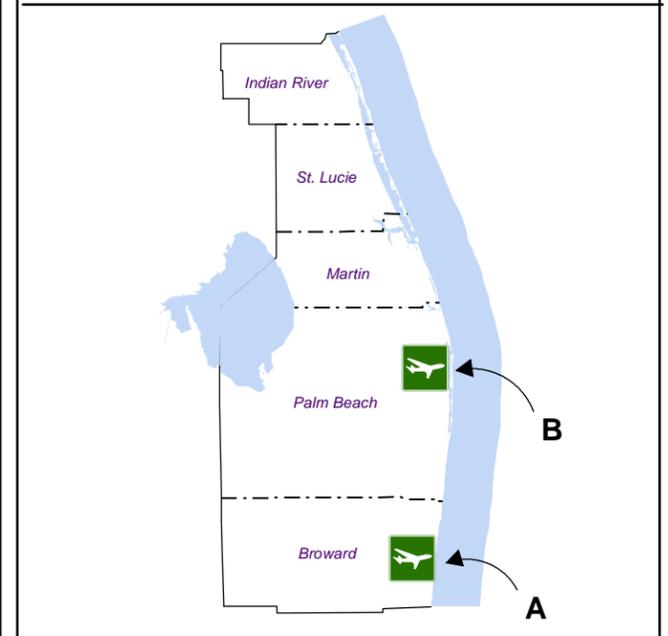
District 4

State of Florida Department of Transportation  
Systems Planning Office

**LEGEND**

- +++++ SIS Railroads
- SIS Highways
- Other Roads
- Approximate Airport Boundary
- Urban Areas
- SIS Airport
- Emerging SIS Airport

A55-MCO-1234 SIS Project Map ID



Source: Florida Department of Transportation  
-Aviation Office  
-Systems Planning Office



# STRATEGIC INTERMODAL SYSTEM

## 2040 SIS Multi-Modal Unfunded Needs Plan



October 2011

### Highways Improvements - District 4

All values in 2010 dollars and subject to change

MAP ID	FACILITY	FROM	TO	HORIZON	IMPROVEMENT TYPE	TOTAL PROJECT COST
<b>SIS</b>						
H41-075-2220	I-75	at Sheridan Street		Short-Term	(M-INCH) Modify Interchange	\$34,583,000
H41-075-2230	I-75	at Miramar Parkway		Short-Term	(M-INCH) Modify Interchange	\$34,583,000
H41-075-2240	I-75	at SR 820/Pines Boulevard		Short-Term	(M-INCH) Modify Interchange	\$34,583,000
H41-075-3130	I-75	at Sawgrass Expressway		Short-Term	(M-INCH) Modify Interchange	\$45,988,000
H41-075-3940	I-75	at Griffin Road		Short-Term	(M-INCH) Modify Interchange	\$34,583,000
H44-710-0770	SR 708/Blue Heron Boulevard	SR 710/Beeline Highway	I-95	Short-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$3,423,000
H44-710-6210	SR 710	Pratt Whitney Road	PGA Boulevard	Short-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$50,621,000
H44-710-6770	SR 710	Okeechobee County Line	West of Indiantown	Short-Term	(A2-4) Add 2 Lanes to Build 4 Lanes	\$69,413,000
H44-80B-3070	SR 80	US 27	Avenue E	Short-Term	(AMS) Access Management System	\$1,093,000
H44-80B-3080	SR 80	Avenue E	SR 15/Hooker Highway	Short-Term	(AMS) Access Management System	\$598,000
H44-80B-3090	SR 80/Hooker Highway	SR 15	CR 880	Short-Term	(AMS) Access Management System	\$4,553,000
H44-027-3920	US 27	South of Stirling Road	SW 26th Street (North of Griffin Road)	Short-Term	(SERV) Add Service / Frontage / C-D System	\$5,208,000
H44-027-8810	US 27	Pembroke Road	South of Stirling Road	Short-Term	(SERV) Add Service / Frontage / C-D System	\$6,527,000
<b>Short-Term Sub-total</b>						<b>\$325,756,000</b>
H41-095-8940	I-95	Palm Beach/Martin County Line	South of CR 708/Bridge Road	Mid-Term	(A2-8) Add 2 Lanes to Build 8 Lanes	\$60,729,000
H41-095-8950	I-95	South of CR 708/Bridge Road	High Meadows Road	Mid-Term	(A2-8) Add 2 Lanes to Build 8 Lanes	\$91,826,000
H41-095-8960	I-95	High Meadows Road	Martin/St Lucie County Line	Mid-Term	(A2-8) Add 2 Lanes to Build 8 Lanes	\$103,993,000
H41-095-8970	I-95	Martin/St Lucie County Line	South of SR 70	Mid-Term	(A2-8) Add 2 Lanes to Build 8 Lanes	\$198,022,000
H44-80B-6530	SR 80	CR 880	Forest Hill Boulevard	Mid-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$56,385,000
H44-027-0550	US 27	Broward/Palm Beach County Line	Milepost 12.4	Mid-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$52,373,000
H44-027-2180	US 27	Palm Beach/Hendry County Line	SR 80	Mid-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$53,328,000
H44-027-2250	US 27	Dade/Broward County Line	I-75	Mid-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$61,785,000
H44-027-3010	US 27	I-75	Broward/Palm Beach County Line	Mid-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$54,920,000
H44-027-3900	US 27	Milepost 12.4	SR 80	Mid-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$58,102,000
<b>Mid-Term Sub-total</b>						<b>\$791,463,000</b>
H48-402-3760	45th Street	I-95	Port of Palm Beach	Long-Term	(MCON) Modify Connector	\$10,000,000
H48-408-3790	Boca Raton Tri-Rail Station	I-95	Boca Raton Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$20,000,000
H48-406-3800	Boynton Beach Tri-Rail Station	I-95	Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$10,000,000
H48-411-3810	Cypress Creek Tri-Rail Station	I-95	Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$20,000,000
H48-409-3820	Deerfield Amtrak/Tri-Rail Station	I-95	Amtrak/Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$10,000,000
H48-413-3830	FLL Airport (gate) northside entrance	I-95	Northside FLL Airport delivery entrance	Long-Term	(MCON) Modify Connector	\$5,000,000
H41-095-3770	Ft Lauderdale Amtrak/Tri-Rail	Broward Boulevard at I-95	Amtrak/Tri-Rail Station	Long-Term	(M-INCH) Modify Interchange	\$10,000,000
H48-412-3850	Ft Lauderdale Greyhound Bus Terminal	I-95	Terminal	Long-Term	(MCON) Modify Connector	\$10,000,000
H48-413-3840	Ft. Lauderdale FEC Intermodal Terminal	I-95	FEC Terminal	Long-Term	(MCON) Modify Connector	\$259,000
H48-417-3890	Hollywood Amtrak/Tri-Rail Station	I-95	Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$10,000,000
H41-595-6970	I-595 EB Causeway	East of Turnpike East Bound	East of SR 7	Long-Term	(M-INCH) Modify Interchange	\$129,662,000
H41-595-0066	I-595 ML Connection	I-595 Managed Lanes	I-95 Managed Lanes	Long-Term	(M-INCH) Modify Interchange	\$33,459,000
H41-595-6960	I-595 WB Causeway	at I-95/I-595 Interchange		Long-Term	(M-INCH) Modify Interchange	\$150,000,000
H41-075-0610	I-75	HEFT	I-595	Long-Term	(A4-SUL) Add 4 Special Use Lanes	\$280,000,000
H41-095-0048	I-95	CR 512/Fellsmere	Indian River/Brevard County Line	Long-Term	(A2-8) Add 2 Lanes to Build 8 Lanes	\$19,800,000
H41-095-2110	I-95	at Central Boulevard		Long-Term	(N-INCH) New Interchange	\$20,000,000
H41-095-3100	I-95	at Northlake Boulevard		Long-Term	(M-INCH) Modify Interchange	\$85,000,000
H41-095-3120	I-95	at Woolbright & Gateway		Long-Term	(M-INCH) Modify Interchange	\$70,630,000
H41-095-8800	I-95	at Blue Heron Boulevard		Long-Term	(M-INCH) Modify Interchange	\$55,000,000
H41-095-8920	I-95	Miami-Dade/Broward County Line	Broward/Palm Beach County Line	Long-Term	(A2-SUL) Add 2 Special Use Lanes	\$1,518,420,000
H41-095-8930	I-95	Broward/Palm Beach County Line	Indiantown Road	Long-Term	(A2-SUL) Add 2 Special Use Lanes	\$2,651,100,000
H41-095-8990	I-95	at SR 710		Long-Term	(N-INCH) New Interchange	\$60,000,000
H48-000-7430	Lake Worth Tri-Rail Station	I-95	Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$10,000,000
H48-422-4740	Mangonia Park Tri-Rail Station	I-95	Mangonia Park Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$10,000,000



# STRATEGIC INTERMODAL SYSTEM

## 2040 SIS Multi-Modal Unfunded Needs Plan



October 2011

### Highways Improvements - District 4

All values in 2010 dollars and subject to change

MAP ID	FACILITY	FROM	TO	HORIZON	IMPROVEMENT TYPE	TOTAL PROJECT COST
H48-410-3870	Pompano Beach Tri-Rail Station	I-95	Tri-Rail Station	Long-Term	(MCON) Modify Connector	\$10,000,000
H48-413-3880	Port Everglades Connector/SR 84	I-95	Port Everglades	Long-Term	(MCON) Modify Connector	\$20,000,000
H48-424-3780	Port of Palm Beach/Blue Heron Boulevard	I-95	Port of Palm Beach at US 1	Long-Term	(MCON) Modify Connector	\$76,632,000
H48-710-0350	Port of Palm Beach/SR 710	Military Trail	Congress Avenue	Long-Term	(MCON) Modify Connector	\$22,323,000
H44-710-0010	SR 710	at Seminole/Pratt Whitney Road		Long-Term	(N-INCH) New Interchange	\$27,772,000
H44-710-9000	SR 710	at North Lake Boulevard		Long-Term	(N-INCH) New Interchange	\$34,676,000
H44-710-9010	SR 710	at PGA Boulevard		Long-Term	(N-INCH) New Interchange	\$27,772,000
H48-869-9030	SW 10th Street	Turnpike	I-95	Long-Term	(A2-6) Add 2 Lanes to Build 6 Lanes	\$19,963,000
H44-027-2260	US 27	at Pines Boulevard		Long-Term	(N-INCH) New Interchange	\$10,000,000
H44-027-2270	US 27	at Griffin Road		Long-Term	(N-INCH) New Interchange	\$10,000,000
H44-027-3910	US 27	at Pembroke Road		Long-Term	(N-INCH) New Interchange	\$10,000,000
H44-027-3930	US 27	at Stirling Road		Long-Term	(N-INCH) New Interchange	\$10,000,000
H44-027-6250	US 27	at Sheridan Street		Long-Term	(N-INCH) New Interchange	\$10,000,000
H44-441-7340	US 441	SR 700	Palm Beach/Martin County Line	Long-Term	(A2-4) Add 2 Lanes to Build 4 Lanes	\$15,944,000
H48-403-3860	West Palm Beach Intermodal Center	I-95	Intermodal Center	Long-Term	(MCON) Modify Connector	\$14,882,000

Long-Term Sub-total \$5,518,294,000

**Potential SIS**

H41-595-4730	Ft Lauderdale International Airport	US 1	Direct Airport Access	Long-Term	(NCON) New Connector	\$10,000,000
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Long-Term Sub-total \$10,000,000

**District Total** **\$6,645,513,000**

**NOTE:**

SIS - Facilities that are currently designated as a SIS facility

Potential SIS - Facilities that potentially meet designation criteria and thresholds, but are not currently designated.

# Highway Improvements Short-Term

## District 4

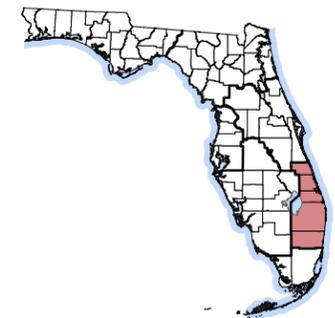
State of Florida Department of Transportation  
Systems Planning Office

### LEGEND

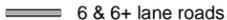
-  Add 2 lanes to provide 4 lanes (A2-4)
-  Add 2 lanes to provide 6 lanes (A2-6)
-  Service/Frontage Roads
-  Access Management & safety improvements (AMS)
-  Interchange and Intersection Improvements

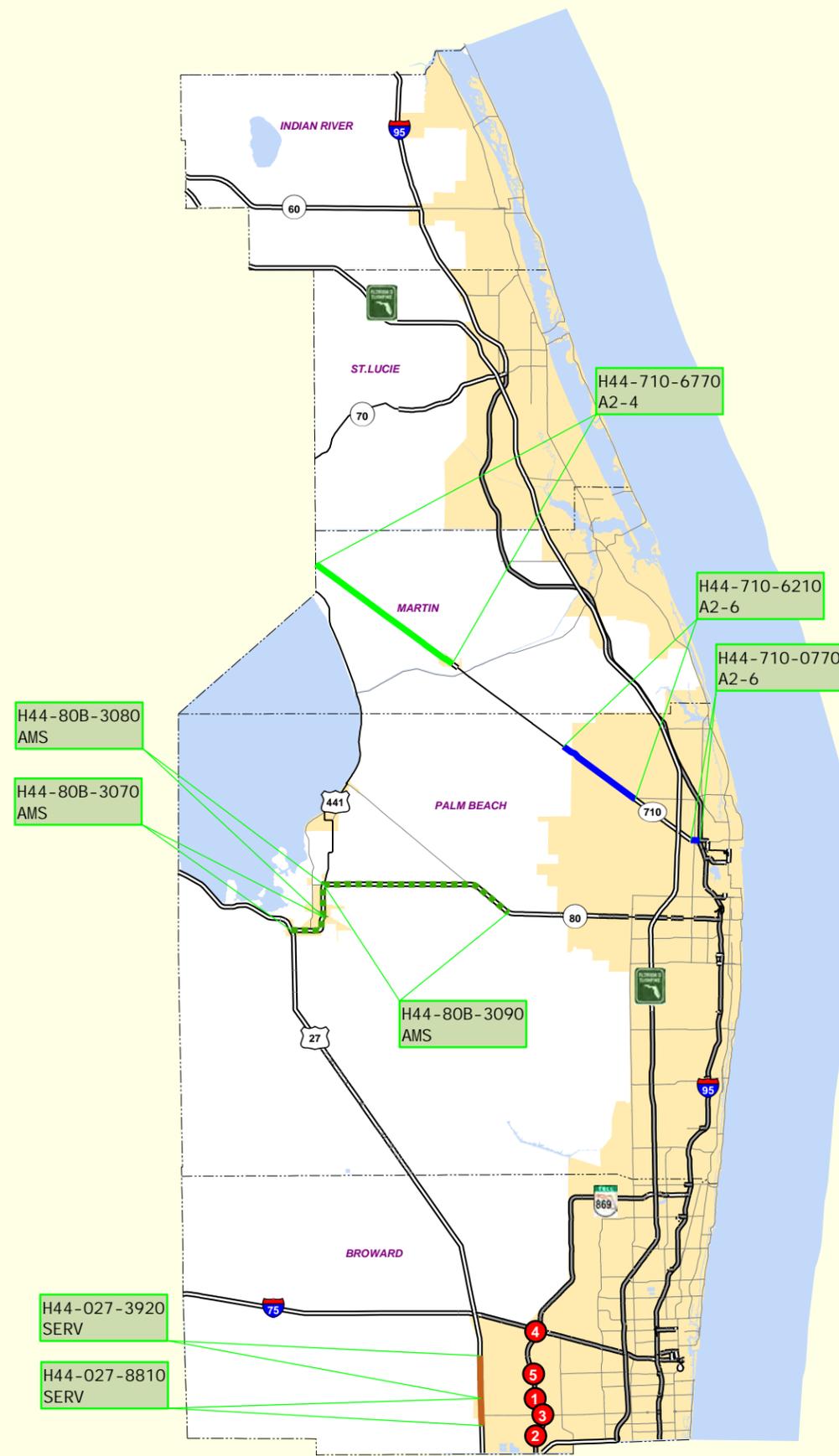
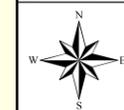
**SIS**  
Needs Plan ID Number: H41-408-0160  
Improvement Type: A2-6

**Potential SIS**  
Needs Plan ID Number: H28-000-8570  
Improvement Type: NCON



### Existing SIS Conditions

-  2 lane roads
-  4 lane roads
-  6 & 6+ lane roads
-  Other roads
-  Planned SIS roads
-  Water
-  Urban Areas



### Interchange and Intersection Improvements

-  H41-075-2220 *I-75 at Sheridan Street*
-  H41-075-2230 *I-75 at Miramar Parkway*
-  H41-075-2240 *I-75 at SR 820/Pines Boulevard*
-  H41-075-3130 *I-75 at Sawgrass Expressway*
-  H41-075-3940 *I-75 at Griffin Road*

# Highway Improvements Mid-Term

## District 4

State of Florida Department of Transportation  
Systems Planning Office

### LEGEND

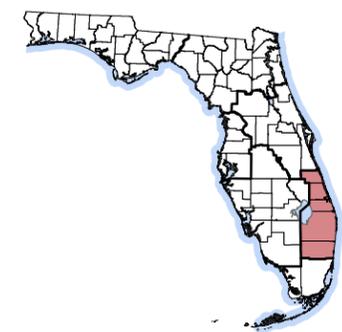
-  Add 2 lanes to provide 4 lanes (A2-4)
-  Add 2 lanes to provide 6 lanes (A2-6)
-  Add 2 lanes to provide 8 lanes (A2-8)

**SIS**

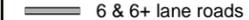
Needs Plan ID Number: **H41-408-0160**  
Improvement Type: **A2-6**

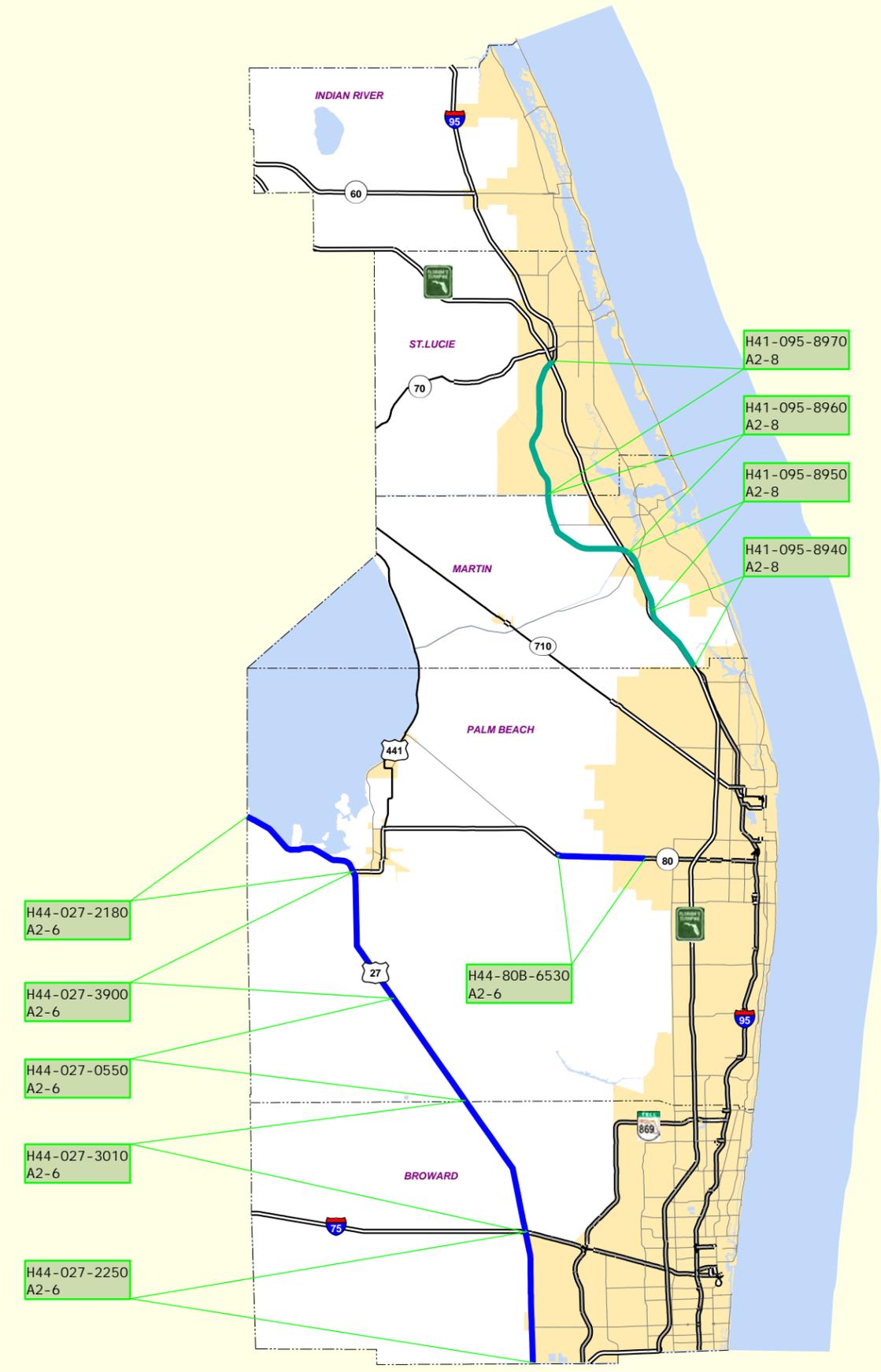
**Potential SIS**

Needs Plan ID Number: **H28-000-8570**  
Improvement Type: **NCON**



**Existing SIS Conditions**

-  2 lane roads
-  4 lane roads
-  6 & 6+ lane roads
-  Other roads
-  Planned SIS roads
-  Water
-  Urban Areas

# Highway Improvements Long-Term

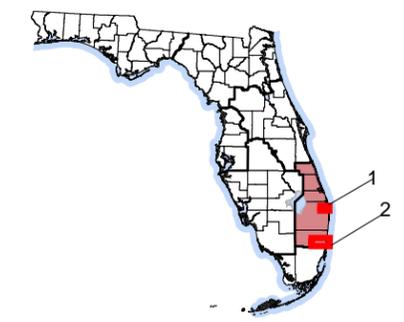
## District 4

State of Florida Department of Transportation  
Systems Planning Office

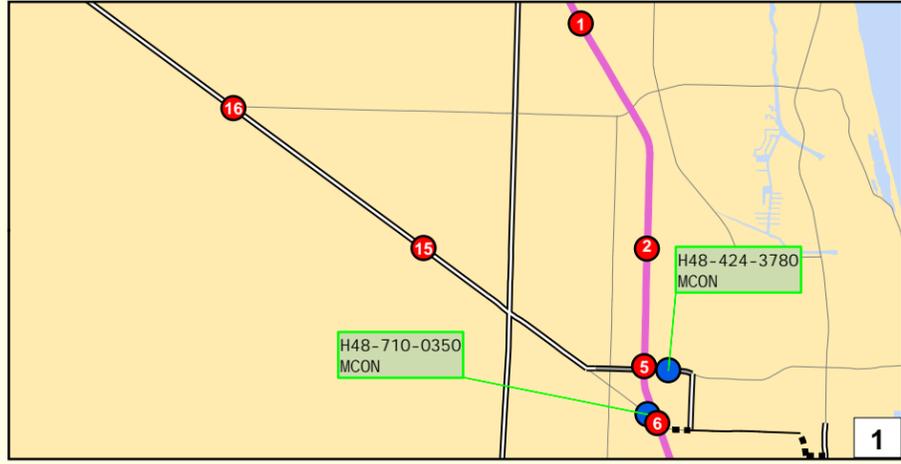
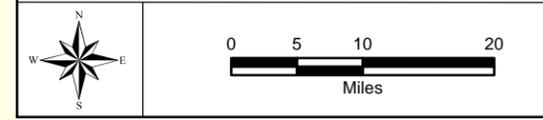
### LEGEND

- Add 2 lanes to provide 4 lanes (A2-4)
- Add 2 lanes to provide 6 lanes (A2-6)
- Add 2 lanes to provide 8 lanes (A2-8)
- Special Use and Auxillary Lanes
- SIS Connector Improvements
- Interchange and Intersection Improvements

- SIS**
- Needs Plan ID Number: **H41-408-0160**  
Improvement Type: **A2-6**
- Potential SIS**
- Needs Plan ID Number: **H28-000-8570**  
Improvement Type: **NCON**



- Existing SIS Conditions**
- 2 lane roads
  - 4 lane roads
  - 6 & 6+ lane roads
  - Other roads
  - Planned SIS roads
  - Water
  - Urban Areas



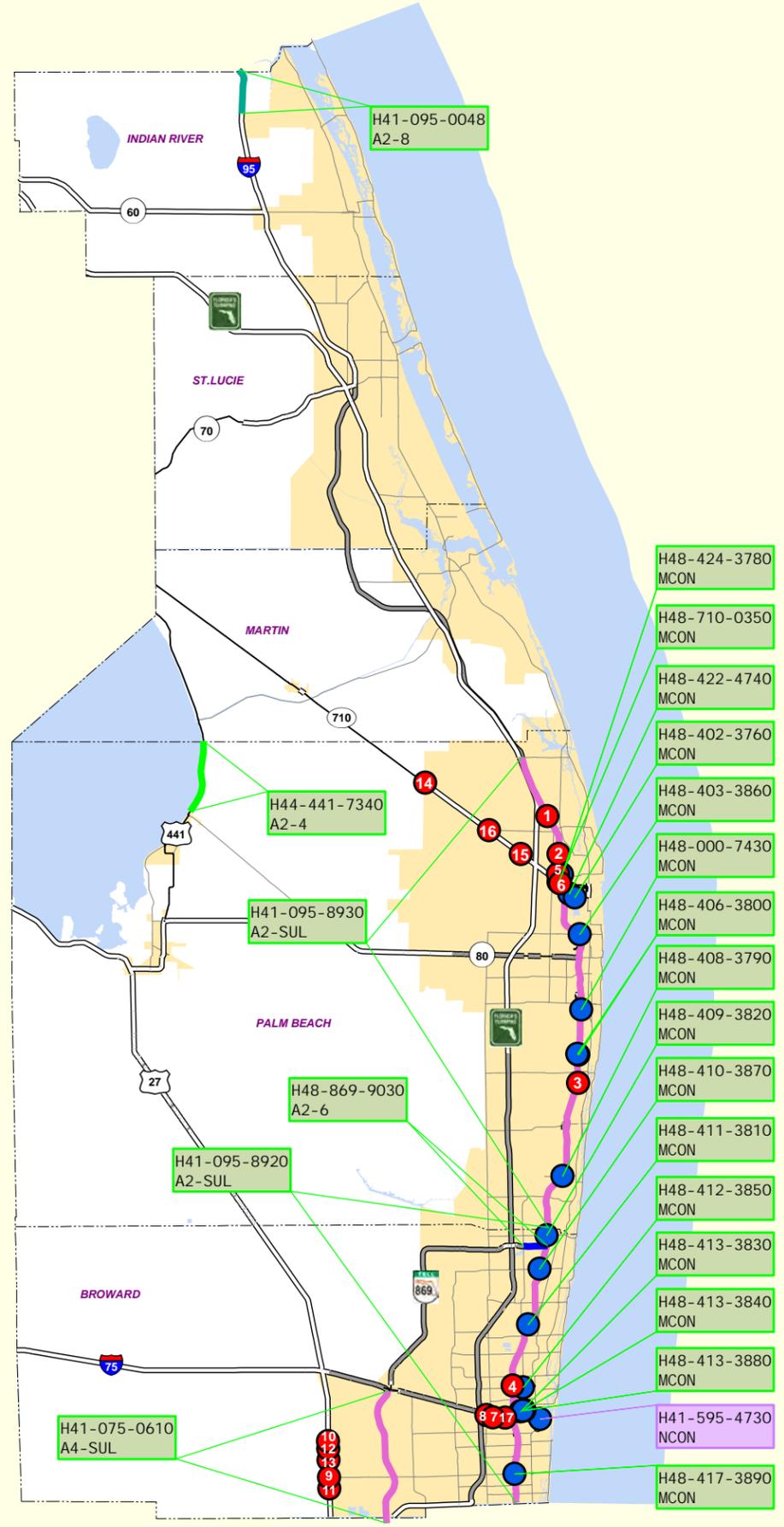
**Palm Beach County Area**



**Broward County Area**

### Interchange and Intersection Improvements

1	H41-095-2110	I-95	at Central Boulevard
2	H41-095-3100	I-95	at Northlake Boulevard
3	H41-095-3120	I-95	at Woolbright & Gateway
4	H41-095-3770	Ft Lauderdale Amtrak/Tri-Rail	at Broward Boulevard at I-95
5	H41-095-8800	I-95	at Blue Heron Boulevard
6	H41-095-8990	I-95	at SR 710
7	H41-595-6960	I-95/I-595	at I-95 To I-595 Interchange
8	H41-595-6970	I-595	at East of Turnpike
9	H44-027-2260	US 27	at Pines Boulevard
10	H44-027-2270	US 27	at Griffin Road
11	H44-027-3910	US 27	at Pembroke Road
12	H44-027-3930	US 27	at Stirling Road
13	H44-027-6250	US 27	at Sheridan Street
14	H44-710-0010	SR 710	at Seminole/Pratt Whitney Road
15	H44-710-9000	SR 710	at North Lake Boulevard
16	H44-710-9010	SR 710	at PGA Boulevard
17	H41-595-0066	I-595	at I-595 Managed Lanes





# STRATEGIC INTERMODAL SYSTEM

## 2040 SIS Multi-Modal Unfunded Needs Plan



October 2011

### Railroad Improvements - District 4

All values in 2010 dollars and subject to change

MAP ID	FACILITY	DESCRIPTION	HORIZON	IMPROVEMENT TYPE	TOTAL PROJECT COST
<b>SIS</b>					
R41-EVE-0180	Port Everglades	Intermodal Rail Spur & Storage Tacks	Short-Term	Capacity Upgrade	\$11,025,000
R41-PBC-0190	Port of Palm Beach	Port of Palm Beach Railroad Switching Project	Short-Term	Capacity Upgrade	\$3,885,000
R41-SCF-1360	South Central Florida Express	Bryant Rail Project	Short-Term	Capacity Upgrade	\$14,232,000
R41-SFR-0270	South Florida Rail Corridor	at Deerfield Beach Tri-Rail Station	Short-Term	Station Improvements	\$19,369,000
R41-SFR-0620	South Florida Rail Corridor	at Hollywood Tri-Rail Station	Short-Term	Station Improvements	\$19,145,000
R41-SFR-1780	South Florida Rail Corridor	at Pompano Beach Tri-Rail Station	Short-Term	Station Improvements	\$7,899,000
R41-SFR-1850	South Florida Rail Corridor	at Delray Beach Tri-Rail Station	Short-Term	Station Improvements	\$7,508,000
R41-SFR-1860	South Florida Rail Corridor	at Boynton Beach Tri-Rail Station	Short-Term	Station Improvements	\$4,624,000
R41-SFR-1870	South Florida Rail Corridor	New Tri-Rail Station at Palm Beach International Airport	Short-Term	Station Improvements	\$17,242,000
R41-SFR-1880	South Florida Rail Corridor	New Tri-Rail Station in Boca Raton	Short-Term	Station Improvements	\$17,242,000
<b>Short-Term Sub-Total:</b>					<b>\$122,171,000</b>
R41-CSX-0800	CSX Transportation	at NW 33rd Street	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0710	Florida East Coast Railway	at Sample Road / SR-834	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0720	Florida East Coast Railway	at Commercial Boulevard / SR-870	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0730	Florida East Coast Railway	at Oakland Park Boulevard / SR-816	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0740	Florida East Coast Railway	at Sunrise Boulevard / SR-838	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0750	Florida East Coast Railway	at W Broward Boulevard / SR-842	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0760	Florida East Coast Railway	at SW 24th Street / SR-84	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0770	Florida East Coast Railway	at Hallandale Beach Boulevard / SR-858	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-0780	Florida East Coast Railway	at Glades Road / SR-808	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1610	Florida East Coast Railway	at Indiantown Road / SR-706	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1700	Florida East Coast Railway	at Northlake Boulevard / CR-809	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1710	Florida East Coast Railway	at Belvedere Road	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1720	Florida East Coast Railway	at Woolbright Road	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1730	Florida East Coast Railway	at Linton Boulevard	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1740	Florida East Coast Railway	at Yamato Road / SR-794	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1750	Florida East Coast Railway	at SR-811 (Palmetto Park)	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-1760	Florida East Coast Railway	at Hillsboro Boulevard / SR-810	Mid-Term	Grade Separation	\$30,000,000
R41-FEC-2300	Florida East Coast Railway	at Atlantic Boulevard / SR-814	Mid-Term	Grade Separation	\$30,000,000
R41-EVE-0290	Port Everglades	Rail Storage Tracks for ICTF Facility	Mid-Term	Capacity Upgrade	\$52,500,000
R41-SFR-0700	South Florida Rail Corridor	at Lake Worth Tri-Rail Station	Mid-Term	Station Improvements	\$3,029,000
R41-SFR-0790	South Florida Rail Corridor	at McNab Road	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0810	South Florida Rail Corridor	at North Lake Boulevard / CR-809A	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0820	South Florida Rail Corridor	at Palm Beach LK Boulevard	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0830	South Florida Rail Corridor	at Okeechobee Boulevard / SR-704	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0840	South Florida Rail Corridor	at Belvedere Road	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0850	South Florida Rail Corridor	at Forest Hill Boulevard / SR-882	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0860	South Florida Rail Corridor	at Atlantic Avenue / SR-806	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0870	South Florida Rail Corridor	at Linton Boulevard / SR-782	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0880	South Florida Rail Corridor	at SE Yamato Road / SR-794	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0890	South Florida Rail Corridor	at Hillsboro Boulevard / SR-810	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0900	South Florida Rail Corridor	at NW 36th Street / Sample Road / SR-834	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0910	South Florida Rail Corridor	at Copans Road	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0920	South Florida Rail Corridor	at Atlantic Boulevard / SR-814	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0930	South Florida Rail Corridor	at NW 62nd / Cypress Creek	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0940	South Florida Rail Corridor	at Commercial Boulevard / SR-870	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0950	South Florida Rail Corridor	at Oakland Park Boulevard / SR-816	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0960	South Florida Rail Corridor	at New Griffin Road / SR-818	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0970	South Florida Rail Corridor	at Stirling Road / SR-848	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-0980	South Florida Rail Corridor	at Hollywood Boulevard / SR-820	Mid-Term	Grade Separation	\$30,000,000



# STRATEGIC INTERMODAL SYSTEM

## 2040 SIS Multi-Modal Unfunded Needs Plan



October 2011

### Railroad Improvements - District 4

All values in 2010 dollars and subject to change

MAP ID	FACILITY	DESCRIPTION	HORIZON	IMPROVEMENT TYPE	TOTAL PROJECT COST
R41-SFR-0990	South Florida Rail Corridor	at Pembroke Road / SR- 824	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-1000	South Florida Rail Corridor	at Hallandale Beach / SR-858	Mid-Term	Grade Separation	\$30,000,000
R41-SFR-1320	South Florida Rail Corridor	Multiple Arterial Roadways From Broward Boulevard to Palm Beach County Line	Mid-Term	Grade Separation	\$252,000,000
R41-SFR-1430	South Florida Rail Corridor	at Boca Raton Tri-Rail Station	Mid-Term	Station Improvements	\$12,099,000
R41-SFR-1440	South Florida Rail Corridor	at Mangonia Park Tri-Rail Station	Mid-Term	Station Improvements	\$22,717,000
R41-SFR-1450	South Florida Rail Corridor	at Boca Raton Intermodal Center	Mid-Term	Station Improvements	\$17,416,000
R41-SFR-1480	South Florida Rail Corridor	at West Palm Beach Tri-Rail Station	Mid-Term	Station Improvements	\$9,524,000
R41-SFR-1840	South Florida Rail Corridor	New Tri-Rail Layover Facility in Northern Palm Beach	Mid-Term	Capacity Upgrade	\$7,572,000
R41-SFR-2010	South Florida Rail Corridor	at Palmetto Park / CR-798	Mid-Term	Grade Separation	\$30,000,000
<b>Mid-Term Sub-Total:</b>					<b>\$1,576,857,000</b>
R41-FEC-1680	Florida East Coast Railway	Gifford to Indrio - Doubletracking	Long-Term	Capacity Upgrade	\$41,780,000
<b>Long-Term Sub-Total:</b>					<b>\$41,780,000</b>
<b>SIS Sub-Total:</b>					<b>\$1,740,808,000</b>

**Potential SIS**

R41-SCF-1370	South Central Florida Express	Cane Block Project	Short-Term	Track Upgrade	\$12,600,000
<b>Short-Term Sub-Total:</b>					<b>\$12,600,000</b>
<b>Potential SIS Sub-Total:</b>					<b>\$12,600,000</b>
<b>District Total:</b>					<b>\$1,753,408,000</b>

NOTE: SIS - Facilities that are currently designated as a SIS facility.  
 Potential SIS - Facilities that potentially meet designation criteria and thresholds, but are not currently designated.

# Railroad Improvements

## District 4

State of Florida Department of Transportation  
Systems Planning Office

### LEGEND

- Capacity Upgrade
- Track Upgrade
- Grade Separation
- Station Improvements
- Intercity Passenger Rail  
*(Multiple Districts- See Statewide Table)*
- New Passenger Service  
*(Multiple Districts- See Statewide Table)*
- Track Upgrade  
*(Multiple Districts- See Statewide Table)*

**SIS**  
Needs Plan ID Number: R21-CSX-0430  
Improvement Type: Capacity Upgrade

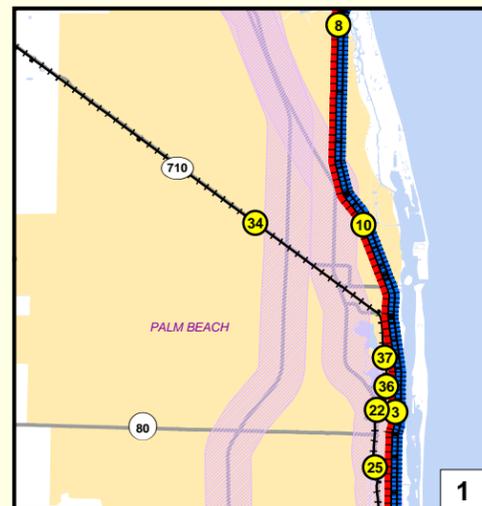
**Potential SIS**  
Needs Plan ID Number: R71-CSX-0200  
Improvement Type: New Passenger Service



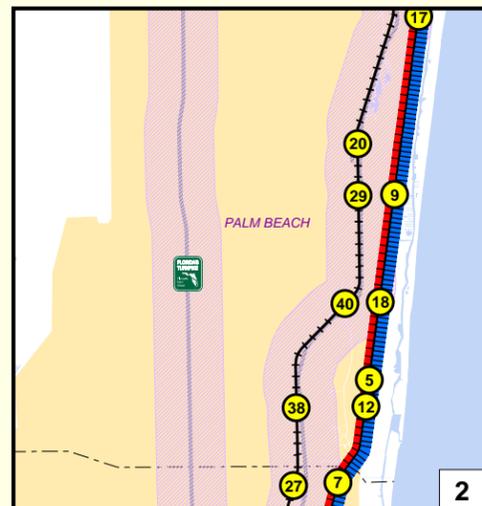
Source:  
Florida Department of Transportation  
-Systems Planning Office  
-Rail Office  
-Transit Office

### Existing Conditions

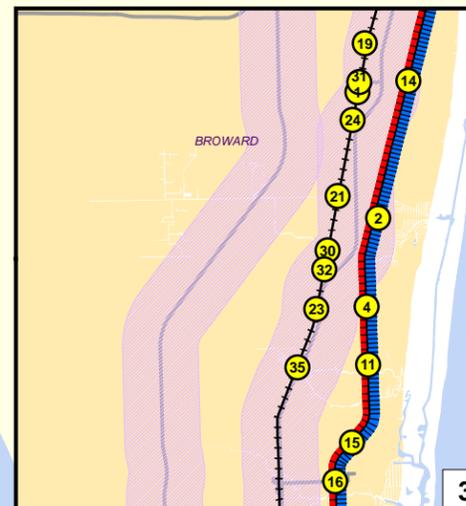
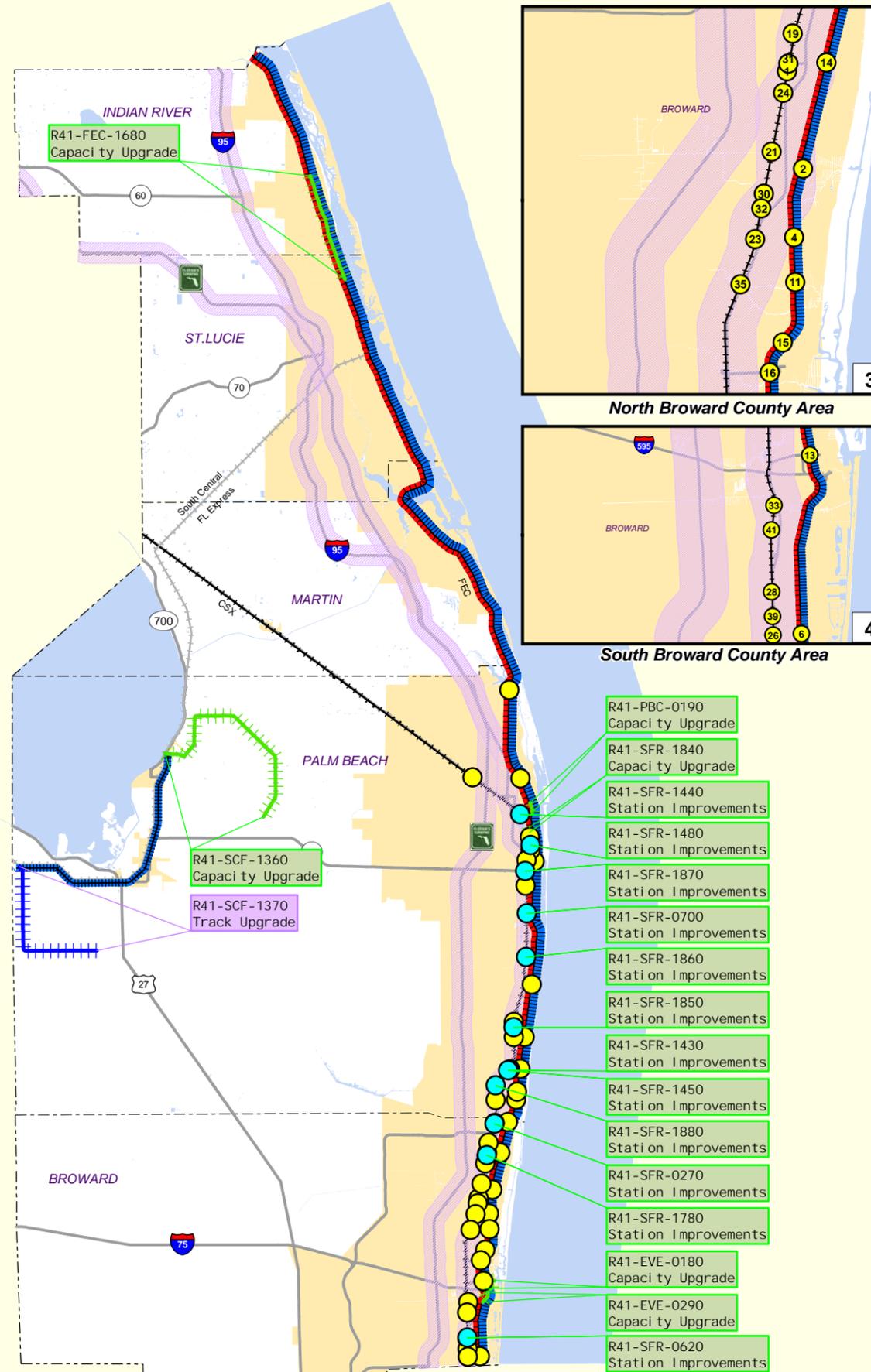
- SIS Railroads
- Emerging SIS Railroads/ Connectors
- SIS Highways
- Water
- Urban Areas



North Palm Beach County Area



South Palm Beach County Area



North Broward County Area



South Broward County Area

### Railroad Grade Separation

1	R41-CSX-0800	CSX Transportation	at NW 33rd Street
2	R41-FEC-2300	Florida East Coast Railway	at Atlantic Boulevard / SR-814
3	R41-FEC-1710	Florida East Coast Railway	at Belvedere Road
4	R41-FEC-0720	Florida East Coast Railway	at Commercial Boulevard / SR-870
5	R41-FEC-0780	Florida East Coast Railway	at Glades Road / SR-808
6	R41-FEC-0770	Florida East Coast Railway	at Hallandale Beach Boulevard / SR-858
7	R41-FEC-1760	Florida East Coast Railway	at Hillsboro Boulevard / SR-810
8	R41-FEC-1610	Florida East Coast Railway	at Indiantown Road / SR-706
9	R41-FEC-1730	Florida East Coast Railway	at Linton Boulevard
10	R41-FEC-1700	Florida East Coast Railway	at Northlake Boulevard / CR-809
11	R41-FEC-0730	Florida East Coast Railway	at Oakland Park Boulevard / SR-816
12	R41-FEC-1750	Florida East Coast Railway	at SR-811 (Palmetto Park)
13	R41-FEC-0760	Florida East Coast Railway	at SW 24th Street / SR-84
14	R41-FEC-0710	Florida East Coast Railway	at Sample Road / SR-834
15	R41-FEC-0740	Florida East Coast Railway	at Sunrise Boulevard / SR-838
16	R41-FEC-0750	Florida East Coast Railway	at W Broward Boulevard / SR-842
17	R41-FEC-1720	Florida East Coast Railway	at Woolbright Road
18	R41-FEC-1740	Florida East Coast Railway	at Yamato Road / SR-794
19	R41-SFR-1320	South Florida Rail Corridor	Multiple Arterial Roadways From Broward Blv to Palm Beach CL
20	R41-SFR-0860	South Florida Rail Corridor	at Atlantic Avenue / SR-806
21	R41-SFR-0920	South Florida Rail Corridor	at Atlantic Boulevard / SR-814
22	R41-SFR-0840	South Florida Rail Corridor	at Belvedere Road
23	R41-SFR-0940	South Florida Rail Corridor	at Commercial Boulevard / SR-870
24	R41-SFR-0910	South Florida Rail Corridor	at Copans Road
25	R41-SFR-0850	South Florida Rail Corridor	at Forest Hill Boulevard / SR-882
26	R41-SFR-1000	South Florida Rail Corridor	at Hallandale Beach / SR-858
27	R41-SFR-0890	South Florida Rail Corridor	at Hillsboro Boulevard / SR-810
28	R41-SFR-0980	South Florida Rail Corridor	at Hollywood Boulevard / SR-820
29	R41-SFR-0870	South Florida Rail Corridor	at Linton Boulevard / SR-782
30	R41-SFR-0790	South Florida Rail Corridor	at McNab Road
31	R41-SFR-0900	South Florida Rail Corridor	at NW 36th Street / Sample Road / SR-834
32	R41-SFR-0930	South Florida Rail Corridor	at NW 62nd / Cypress Creek
33	R41-SFR-0960	South Florida Rail Corridor	at New Griffin Road / SR-818
34	R41-SFR-0810	South Florida Rail Corridor	at North Lake Boulevard / CR-809A
35	R41-SFR-0950	South Florida Rail Corridor	at Oakland Park Boulevard / SR-816
36	R41-SFR-0830	South Florida Rail Corridor	at Okeechobee Boulevard / SR-704
37	R41-SFR-0820	South Florida Rail Corridor	at Palm Beach LK Boulevard
38	R41-SFR-2010	South Florida Rail Corridor	at Palmetto Park / CR-798
39	R41-SFR-0990	South Florida Rail Corridor	at Pembroke Road / SR- 824
40	R41-SFR-0880	South Florida Rail Corridor	at SE Yamato Road / SR-794
41	R41-SFR-0970	South Florida Rail Corridor	at Stirling Road / SR-848



# STRATEGIC INTERMODAL SYSTEM

## 2040 SIS Multi-Modal Unfunded Needs Plan



October 2011

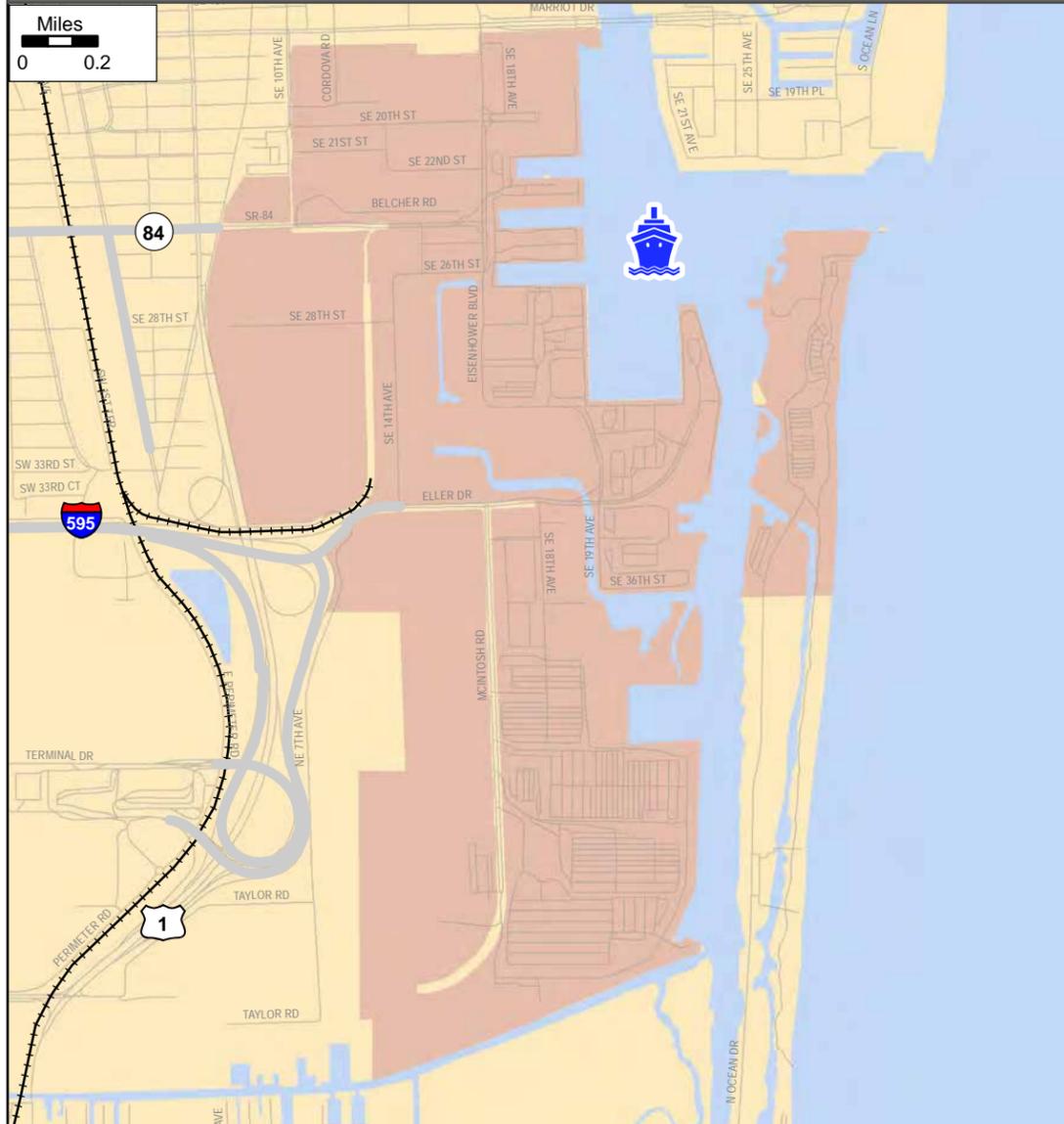
### Seaports Improvements - District 4

All values in 2010 dollars and subject to change

MAP ID	FACILITY	DESCRIPTION	HORIZON	IMPROVEMENT TYPE	TOTAL PROJECT COST
<b>SIS</b>					
S45-002-2470	Port Everglades	ACOE Dredging / Widening - Design	Short-Term	Dredging Harbor	\$4,000,000
S45-002-2480	Port Everglades	Southport Turning Notch Expansion - Phase 1	Short-Term	Dredging Harbor	\$67,080,000
S45-002-2690	Port Everglades	Southport ICTF Track and Storage Yard	Short-Term	Intermodal Transfer Improvement	\$42,000,000
S45-002-3450	Port Everglades	Southport Upland Enhancement Turning Notch Expansion	Short-Term	Dredging Harbor	\$11,000,000
S45-002-3800	Port Everglades	Northport Petroleum Tank Farm	Short-Term	Intermodal Transfer Improvement	\$75,000,000
S45-002-3970	Port Everglades	ACOE Dredging / Widening - Construction	Short-Term	Dredging Harbor	\$20,000,000
S45-002-3980	Port Everglades	Southport Container Yard Improvements	Short-Term	Storage Facilities	\$30,000,000
S45-002-4120	Port Everglades	Northport Slip 2 Westward Lengthening	Short-Term	Docks	\$23,000,000
S45-002-4130	Port Everglades	Southport Super Post Panamax Cranes - Phase 1	Short-Term	Intermodal Transfer Improvement	\$12,000,000
S45-002-4220	Port Everglades	Midport Multimodal Facility - Phase 1	Short-Term	Intermodal Transfer Improvement	\$35,000,000
S45-002-4650	Port Everglades	Northport Slip 1 New Bulkheads - Phase 1	Short-Term	Docks	\$55,000,000
S45-002-4660	Port Everglades	Midport Tracor Basin Finger Pier Replace with Catwalk and Dolphin	Short-Term	Intermodal Transfer Improvement	\$5,200,000
S45-009-4160	Port of Palm Beach	America's Marine Highways Terminal Development	Short-Term	Intermodal Transfer Improvement	\$6,000,000
S45-009-4170	Port of Palm Beach	Slip 3 Reconstruction and Deepening	Short-Term	Dredging Harbor	\$17,000,000
S45-009-4420	Port of Palm Beach	Multimodal Transportation Seaport Infrastructure Investment Project	Short-Term	Internal Rail	\$4,500,000
<b>Short-Term Sub-Total:</b>					<b>\$406,780,000</b>
S45-002-4000	Port Everglades	Midport Berth 16, 17, 18 New Bulkheads	Mid-Term	Docks	\$32,000,000
S45-002-4140	Port Everglades	Southport Super Post Panamax Cranes - Phase 2	Mid-Term	Intermodal Transfer Improvement	\$24,000,000
S45-002-4290	Port Everglades	Northport Berth 1, 2, 3 New Bulkheads	Mid-Term	Docks	\$31,000,000
S45-002-4630	Port Everglades	Turning Notch Expansion - Phase 2	Mid-Term	Dredging Harbor	\$28,810,000
S45-002-4670	Port Everglades	Southport Crushed Rock Facility	Mid-Term	Intermodal Transfer Improvement	\$55,000,000
<b>Mid-Term Sub-Total:</b>					<b>\$170,810,000</b>
S45-002-3960	Port Everglades	ACOE Dredging / Widening	Long-Term	Dredging Harbor	\$300,000,000
S45-002-4010	Port Everglades	Midport Berth 19, 20 New Bulkheads	Long-Term	Docks	\$25,000,000
S45-002-4020	Port Everglades	Midport Multimodal Facility - Phase 2	Long-Term	Intermodal Transfer Improvement	\$100,000,000
S45-002-4080	Port Everglades	Northport Berth 14, 15 New Bulkheads	Long-Term	Docks	\$22,000,000
S45-002-4090	Port Everglades	Midport Berth 21, 22 New Bulkheads	Long-Term	Docks	\$29,000,000
S45-002-4100	Port Everglades	Midport Berth 23 New Bulkhead	Long-Term	Docks	\$8,000,000
S45-002-4110	Port Everglades	Midport Berth 24, 25 New Bulkheads	Long-Term	Docks	\$27,000,000
S45-002-4210	Port Everglades	Automated People Mover / Intermodal Center	Long-Term	People Mover	\$1,377,000,000
S45-002-4640	Port Everglades	Southport Lengthen Berth 33	Long-Term	Intermodal Transfer Improvement	\$22,000,000
S45-002-4680	Port Everglades	Northport Slip 2 New Bulkheads	Long-Term	Docks	\$71,000,000
S45-002-4690	Port Everglades	Northport Slip 1 New Bulkheads - Phase 2	Long-Term	Docks	\$48,000,000
S45-002-4700	Port Everglades	Northport Slip 3 New Bulkheads	Long-Term	Docks	\$85,000,000
S45-002-4710	Port Everglades	Southport Super Post Panamax Cranes - Phase 2	Long-Term	Intermodal Transfer Improvement	\$24,000,000
<b>Long-Term Sub-Total:</b>					<b>\$2,138,000,000</b>
<b>District Total:</b>					<b>\$2,715,590,000</b>

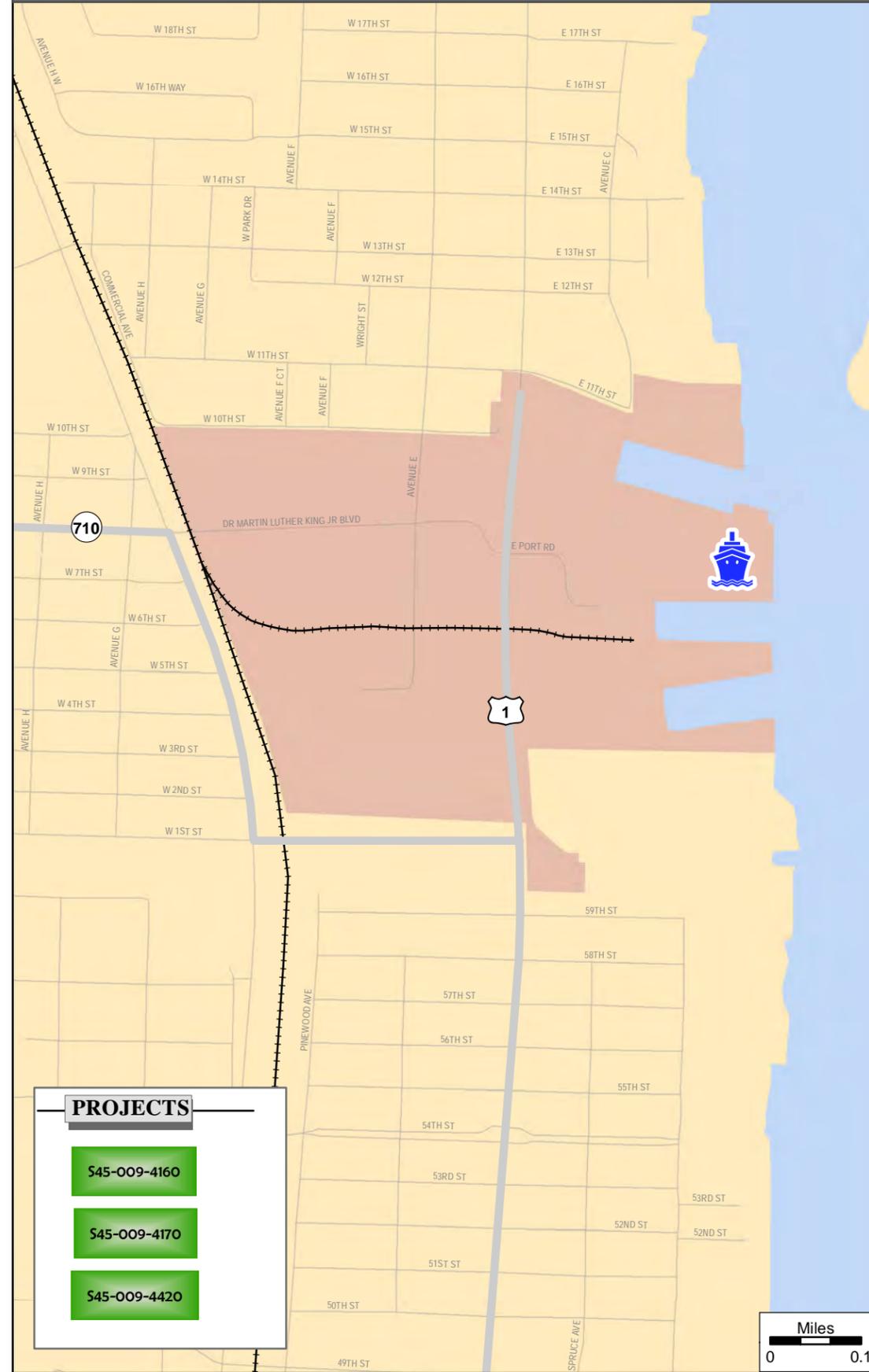
NOTE:  
 SIS - Facilities that are currently designated as a SIS facility  
 Potential SIS - Facilities that potentially meet designation criteria and thresholds, but are not currently designated.

# A: Port Everglades



PROJECTS				
S45-002-2470	S45-002-3970	S45-002-4090	S45-002-4210	S45-002-4660
S45-002-2480	S45-002-3980	S45-002-4100	S45-002-4220	S45-002-4670
S45-002-2690	S45-002-4000	S45-002-4110	S45-002-4290	S45-002-4680
S45-002-3450	S45-002-4010	S45-002-4120	S45-002-4630	S45-002-4690
S45-002-3800	S45-002-4020	S45-002-4130	S45-002-4640	S45-002-4700
S45-002-3960	S45-002-4080	S45-002-4140	S45-002-4650	S45-002-4710

# B: Port of Palm Beach



PROJECTS
S45-009-4160
S45-009-4170
S45-009-4420


**STRATEGIC INTERMODAL SYSTEM**  
 Unfunded Needs Plan

## Seaport Improvements

### District 4

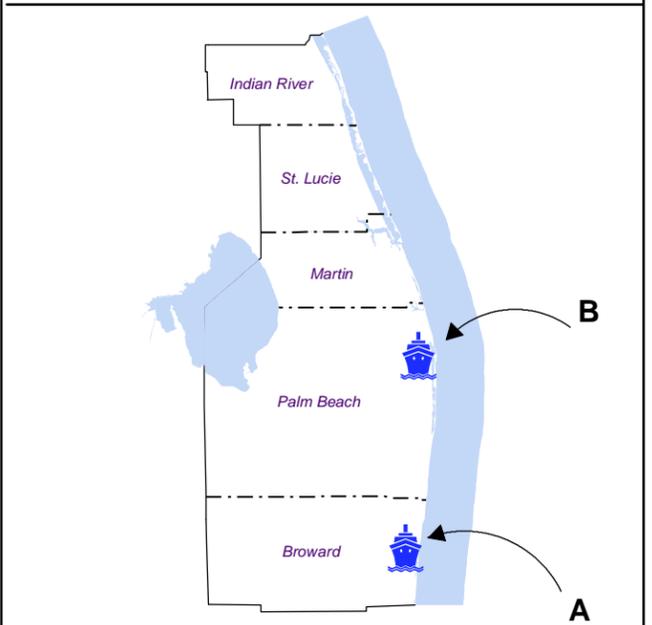
State of Florida Department of Transportation  
Systems Planning Office

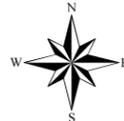
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**LEGEND**

- +++++ SIS Railroads
- SIS Highways
- Other Roads
- Approximate Seaport Boundary
- Urban Areas
-  SIS Seaport
-  Emerging SIS Seaport

A55-MCO-1234 SIS Project Map ID





Source: Florida Department of Transportation  
-Seaport Office  
-Systems Planning Office

File: S:\ProjRecurring\MultiModalNeedsPlan2010\GIS\Projects\Seaport



# STRATEGIC INTERMODAL SYSTEM

## 2040 SIS Multi-Modal Unfunded Needs Plan



October 2011

### Transit Improvements - District 4

All values in 2010 dollars and subject to change

MAP ID	SIS FACILITY TYPE	FACILITY	LIMIT FROM	LIMIT TO	HORIZON	IMPROVEMENT TYPE	TOTAL PROJECT COST
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**SIS**

T45-MOD-1000	Hub	West Palm Beach Transit Hub	at West Palm Beach Tri-Rail Station		Short-Term	New Hub	\$10,000,000
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Short-Term Sub-Total: \$10,000,000

SIS Sub-Total: \$10,000,000

**Potential SIS**

T45-MOD-1040	Hub	Broward County Transit Hub	at Broward Boulevard / FEC		Short-Term	New Hub	\$10,000,000
T45-MOD-1030	Hub	Coral Springs Gateway Hub	at University Drive / Sample Road		Short-Term	New Hub	\$10,000,000
T45-MOD-1120	Hub	Ft. Lauderdale Int'l Airport Gateway Hub	at US-1 / Ft. Lauderdale International Airport		Short-Term	New Hub	\$10,000,000
T45-MOD-1020	Hub	Sawgrass Mall	at Sawgrass Mills / 136th Street		Short-Term	New Hub	\$10,000,000

Short-Term Sub-Total: \$40,000,000

T43-LRT-0280	Hub-to-Hub Connector	FLL / Tri-Rail / Wave Transit Connector	Griffin Road Tri-Rail Station	Broward County Transit Hub	Mid-Term	Streetcar / People Mover	\$150,000,000
T43-LRT-0090	Hub-to-Hub Connector	I-595 / Central Broward East-West Transitway	Sawgrass Mills Mall	Downtown & Fort Lauderdale Int'l Airport	Mid-Term	Exclusive Transit	\$1,230,545,000
T44-BUS-0080	Transit Corridor	I-75	Sawgrass Mills Mall	Homestead Extension Florida's Turnpike	Mid-Term	Exclusive Transit	\$98,549,000
T48-BUS-0260	Hub-to-Hub Connector	PBIA / Tri-Rail Transit Connector	Palm Beach International Airport	West Palm Beach Transit Hub	Mid-Term	Bus Rapid Transit / Streetcar / Light Rail Transit	\$30,000,000
T44-BUS-0120	Transit Corridor	SR-710	Indiantown	Mangonia Park Tri-Rail Station	Mid-Term	Exclusive Guideway	\$339,000,000
T43-LRT-0300	Transit Corridor	SR-817 / University Drive Transitway	SR-834 / Sample Road	SR-821 / HEFT	Mid-Term	Light Rail Transit / Bus Rapid Transit	TBD
T44-BUS-0220	Transit Corridor	SR-820 / Hollywood-Pines Boulevard / I-95 Transitway	I-75	Downtown Miami	Mid-Term	Exclusive Guideway	\$125,000,000
T43-LRT-0230	Hub-to-Hub Connector	Sunport Hub-to-Hub	Port Everglades	Ft. Lauderdale International Airport	Mid-Term	People Mover / Bus Rapid Transit	\$839,880,000
T43-LRT-0290	Transit Corridor	US-1	Broward County Transit Hub	Aventura Mall Hub	Mid-Term	Exclusive Guideway	\$10,000,000
T44-BUS-0150	Transit Corridor	US-441 / SR-7 Transitway	Golden Glades Transit Hub	Glades Road	Mid-Term	Exclusive Guideway	\$1,485,000,000

Mid-Term Sub-Total: \$4,307,974,000

T44-BUS-0160	Transit Corridor	US-1	West Palm Beach	Ft. Pierce	Long-Term	Exclusive Guideway / Bus Rapid Transit	\$632,000,000
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Long-Term Sub-Total: \$632,000,000

Potential SIS Sub-Total: \$4,979,974,000

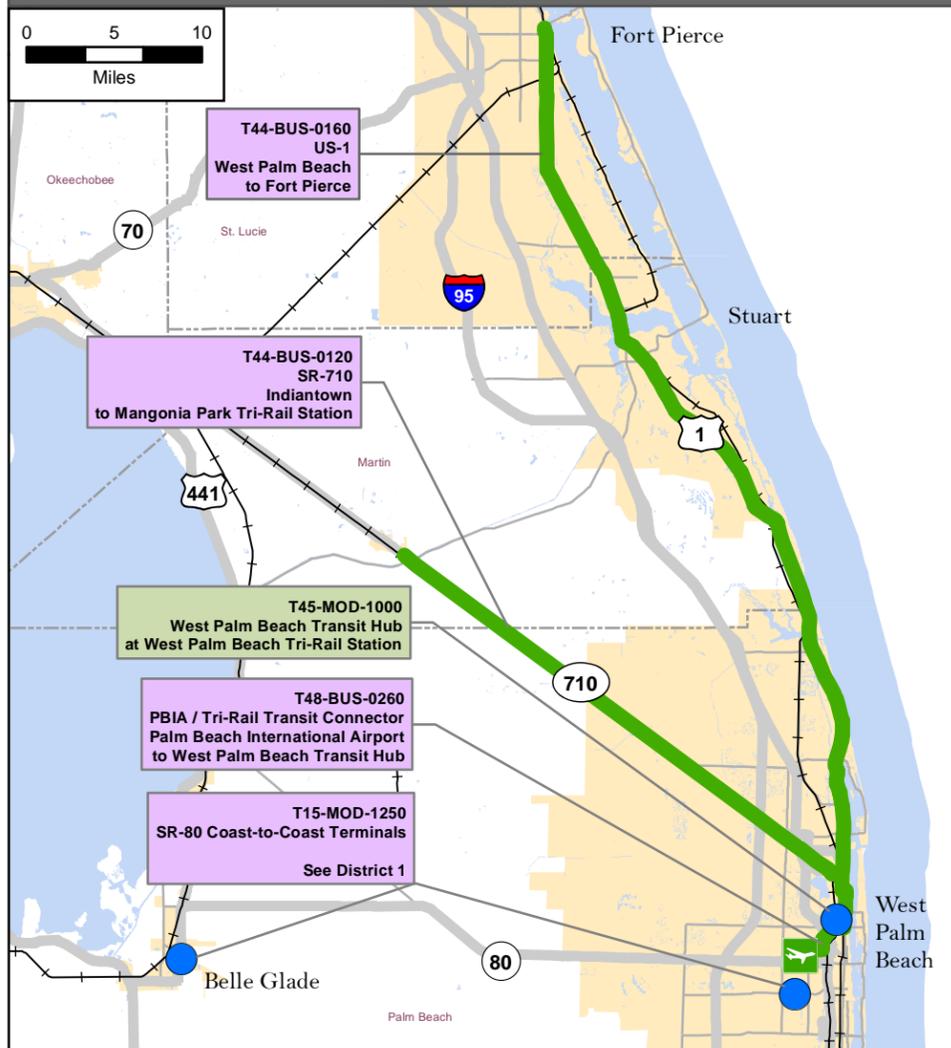
District Total: \$4,989,974,000

**NOTE:**

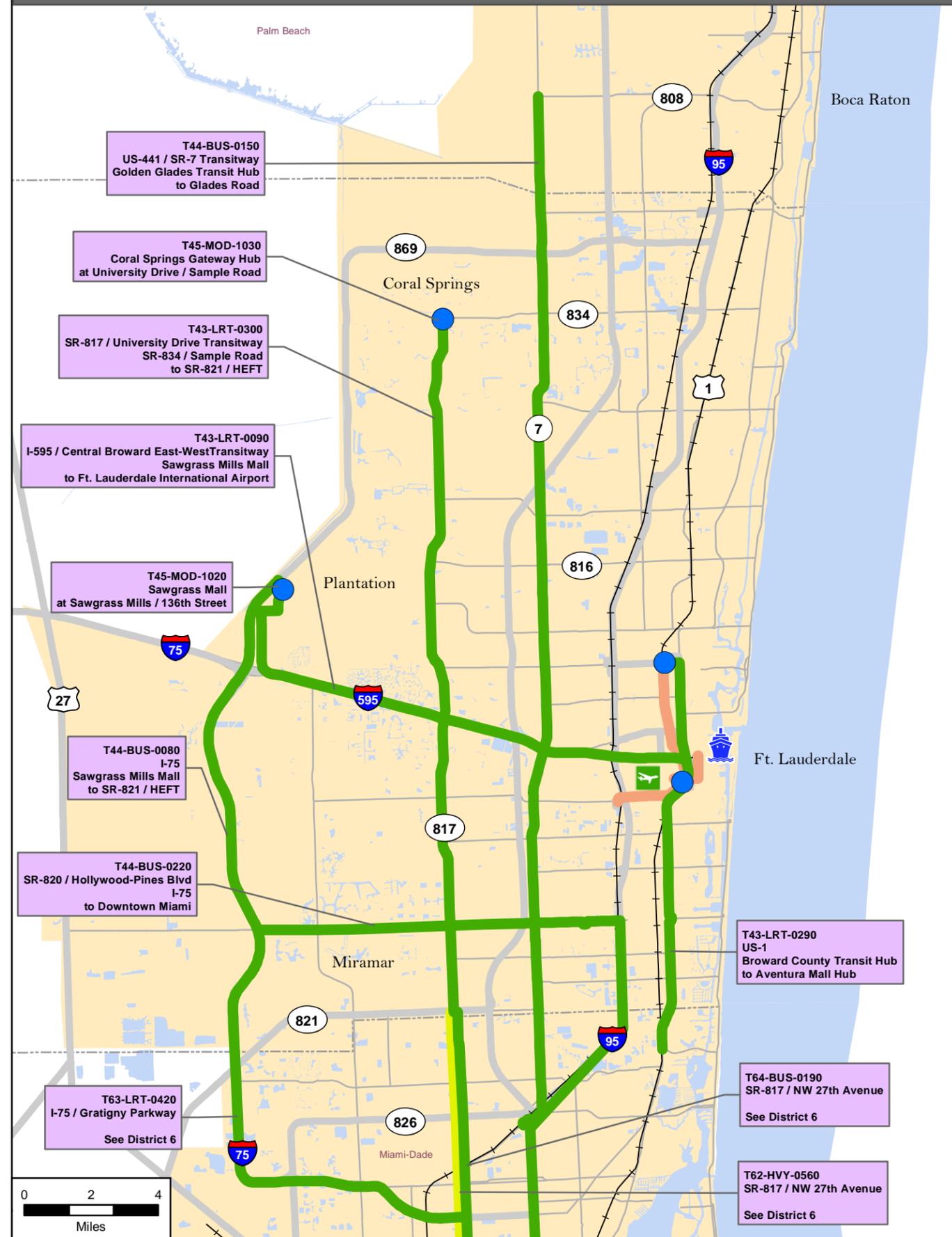
SIS - Facilities that are currently designated as a SIS facility.

Potential SIS - Facilities that potentially meet designation criteria and thresholds, but are not currently designated.  
(passenger hubs or urban fixed guideway corridors and stations serving multiple urbanized counties or serving as hub-to-hub connectors)

# A - Northern District 4



# B - Southern District 4



# C - Central Broward Coast



## STRATEGIC INTERMODAL SYSTEM Unfunded Needs Plan

### Transit Improvements

#### District 4

State of Florida Department of Transportation  
Systems Planning Office

#### LEGEND

- Streetcar / People Mover
- Exclusive Guideway (Technology To Be Determined)
- Metrorail Extension
- Intermodal / Transit Hub

SIS Facility

Potential SIS Facility

<b>Existing Conditions</b>	
SIS Highways	Water
Other State Roads	Urban Area
SIS Railroads	SIS Seaports
SIS Airports	

Source: Florida Department of Transportation  
- Systems Planning Office  
- Transit Office

File: S:\Proj\Recurring\MultiModalNeedsPlan2010\GIS\Projects\Transit\D4.mxd



Figure: A - 1

# Map ID Description

(10-Digit Format)

## Digit 1: Mode

A = Airport  
H = Highway  
R = Rail  
S = Seaport  
X = Spaceport  
T = Transit

## Digits 3 - 6: Facility Type by Mode

### Aviation and Spaceport:

#### Digit 3:

5 = Hub  
9 = Planned, already on SIS  
0 = Potential, not on SIS

#### Digits 4 - 6: FAA Code for SIS Airports / Spaceports

DAB = Daytona Beach International Airport  
ECP = Northwest Florida Beaches International Airport  
FLL = Fort Lauderdale/Hollywood International Airport  
GNV = Gainesville Regional Airport  
ISM = Kissimmee Gateway Airport  
JAX = Jacksonville International Airport  
MCO = Orlando International Airport  
MIA = Miami International Airport  
MLB = Melbourne International Airport  
PBI = Palm Beach International Airport  
PIE = St. Petersburg-Clearwater International Airport  
PNS = Pensacola Gulf Coast Regional Airport  
RSW = Southwest Florida International Airport  
SFB = Orlando Sanford International Airport  
SRQ = Sarasota/Bradenton International Airport  
TLH = Tallahassee Regional Airport  
TPA = Tampa International Airport  
TTS = Kennedy Space Center  
VPS = Northwest Florida Regional Airport (Okaloosa County)  
VQQ = Cecil Field Space Center

### Highway:

#### Digit 3:

1 = Interstate  
2 = Turnpike  
3 = Expressway  
4 = Arterial  
5 = Intermodal Passenger Terminal  
6 = Intermodal Freight Terminal  
8 = Connector  
9 = Planned, already on SIS  
0 = Potential, not on SIS

#### Digits 4 - 6: Code for SIS Highway Route

## Digits 3 - 6: Facility Type by Mode

### Rail:

#### Digit 3:

1 = Mainline  
5 = Intermodal Passenger Terminal  
6 = Intermodal Freight Terminal  
8 = Connector  
9 = Planned, already on SIS  
0 = Potential, not on SIS

#### Digits 4 - 6: Code for SIS Rail Facility

AGC = Alabama and Gulf Coast Railway  
CSX = CSX Transportation  
FEC = Florida East Coast  
FCR = Florida Central  
PAS = Intercity Passenger Rail  
JAX = Jacksonville Port Authority  
NEW = New Rail Line  
NSR = Norfolk Southern  
EVE = Port Everglades  
PBC = Port of Palm Beach  
TPA = Port of Tampa  
SGR = Seminole Gulf  
SCF = South Central Florida Express  
SFR = South Florida Rail Corridor

### Seaport:

#### Digit 3:

5 = Hub  
9 = Planned, already on SIS

#### Digits 4 - 6: Code for SIS Seaports

001 = Port Canaveral  
002 = Port Everglades  
003 = Port of Fernandina  
005 = Port of Jacksonville  
007 = Port of Manatee  
008 = Port of Miami  
009 = Port of Palm Beach  
010 = Port of Panama City  
011 = Port of Pensacola  
012 = Port St. Joe  
013 = Port of St. Petersburg  
014 = Port of Tampa

## Digits 3 - 6: Facility Type by Mode

### Transit:

#### Digit 3:

2 = Heavy Rail Technology  
3 = Light Rail Technology  
4 = Busway / Bus Rapid Transit  
5 = Hub  
8 = Connector

#### Digits 4 - 6:

BUS = Regional Service / Bus Rapid Transit  
HVY = Heavy Rail Technology  
LRT = Light Rail Technology  
MOD = Intermodal

## Digit 2: Location

1 - 8 = DOT Managing District  
9 = Statewide / Multiple Districts

## Digits 7 - 10:

Project Number Individually Assigned by District

Figure: A - 2

# Improvement Type Code

## Highway:

**A2-4:** Add 2 Lanes to build 4 Lanes  
**A2-6:** Add 2 Lanes to build 6 Lanes  
**A2-8:** Add 2 Lanes to build 8 Lanes  
**A2-10:** Add 2 Lanes to build 10 Lanes  
**A4-6:** Add 4 Lanes to build 6 Lanes  
**A4-8:** Add 4 Lanes to build 8 Lanes  
**A4-10:** Add 4 Lanes to build 10 Lanes  
**A4-12:** Add 4 Lanes to build 12 Lanes

**A2-AUX:** Add 2 Auxiliary Lanes  
**A2-SUL:** Add 2 Special Use Lanes  
**A4-SUL:** Add 4 Special Use Lanes  
**A6-SUL:** Add 6 Special Use Lanes

**NR:** New Road  
**SERV:** Service Road  
**AMS:** Access Management System  
**BRIDGE:** Bridge

**M-INCH:** Modify Interchange  
**N-INCH:** New Interchange  
**M-INT:** Modify Intersection  
**N-INT:** New Intersection  
**M-CON:** Modified Highway Connector  
**N-CON:** New Highway Connector

**TOLL:** Toll Facility  
**UP:** Ultimate Plan

Figure: A - 3

# SIS Facility Types, Criteria, and Thresholds

<b>Facility Type</b>	<b>SIS Component</b>	<b>Emerging SIS Component</b>
<b>Commercial Service Airports</b>	0.25% of U.S. total passenger or freight activity	0.05% of U.S. total passenger or freight activity <b>OR</b> Serves clusters of aviation-dependent industries in or adjacent to counties with projected population growth among top 25% statewide <b>AND</b> 50 miles from a SIS commercial service airport (applies to both of above)
<b>General Aviation Reliever Airports</b>	Identified as a reliever facility to an existing SIS airport <b>AND</b> Handle at least 75,000 itinerant flight operations per year <b>AND</b> Have a runway with length exceeding 5,500 linear feet <b>AND</b> Have runway capable of handling 60,000 pound dual wheel aircraft and serviced by precision instrument approach <b>AND</b> Serve a cluster of aviation-dependent industries	Not Applicable
<b>Spaceports</b>	Spaceports handling commercial or military payloads	Not Applicable
<b>Seaports</b>	500,000 home-port passengers <b>OR</b> 0.25% of U.S. total freight activity	250,000 home-port passengers <b>OR</b> 0.05% of U.S. total freight activity <b>OR</b> Serves clusters of seaport-dependent industries in or adjacent to counties with projected population growth among top 25% statewide <b>AND</b> More than 50 miles from a SIS seaport (applies to both of the above)
<b>Passenger Terminals</b>	0.25% of U.S. total interregional passengers per year (100,000 per year floor)	0.125% of U.S. total interregional passengers (50,000 per year floor) <b>OR</b> Serves clusters of population and tourist activity in or adjacent to counties with projected population growth among top 25% statewide <b>AND</b> 50 miles from a SIS passenger terminal (applies to both of the above)
<b>Carload Freight Rail Terminals</b>	0.25% of U.S. total rail freight activity	0.05% of U.S. total rail freight activity <b>OR</b> Serves clusters of rail-dependent industries in or adjacent to counties with projected employment growth among top 25% statewide <b>AND</b> 50 miles from a SIS carload freight rail terminal (applies to both of above)
<b>Intermodal Freight Rail Terminals</b>	0.25% of U.S. total rail freight activity	0.05% of U.S. total rail freight activity <b>OR</b> Serves clusters of rail-dependent industries in or adjacent to counties with projected employment growth among top 25% statewide <b>AND</b> More than 50 miles from a SIS intermodal freight rail terminal (applies to both of the above)
<b>Passenger Rail Corridors</b>	Scheduled interregional or interstate passenger service	Not Applicable
<b>Freight Rail Corridors</b>	10 million gross ton-miles per track-mile	5 million gross ton-miles per track-mile <b>OR</b> Serves clusters of rail-dependent industries in or adjacent to counties with projected employment growth among top 25% statewide
<b>Waterways</b>	Intracoastal waterways and coastal shipping lanes <b>OR</b> Interregional deep draft waterways with 0.25% of total U.S. waterway freight traffic <b>OR</b> Interregional shallow draft waterways with 0.25% of total U.S. domestic waterway freight traffic	Interregional deep draft waterways with 0.05% of total U.S. waterway freight traffic <b>OR</b> Interregional shallow draft waterways with 0.05% of total U.S. domestic waterway freight traffic <b>OR</b> Serves clusters of waterborne transportation-dependent industries in or adjacent to counties with projected employment growth among top 25% statewide
<b>Highways</b>	Designated Interstate facility <b>OR</b> National Highway System facility providing connections to major markets in Alabama or Georgia <b>OR</b> State Highway System limited access facility connecting two or more economic regions with each end at a SIS facility	State Highway System connecting two or more economic regions with each end at a SIS facility and controlled access facility with classifications 2 or 3 <b>OR</b> State Highway System facility providing service to at least one county or city within a designated Rural Areas of Critical Economic Concern with each end at a SIS facility and meets vehicle or truck volume criteria
<b>Urban Fixed Guideway Transit Corridors</b>	Corridors connecting multiple urbanized area counties and serving regionally significant facility within single economic region	Not Applicable
<b>Urban Fixed Guideway Transit Terminals</b>	All qualifying urban fixed guideway system stations are designated. Stations are treated as hubs if they: • Are located at or near the termini of the urban fixed guideway corridor; <b>OR</b> • Serve a SIS airport, seaport, or spaceport; <b>OR</b> • Are integrated with other passenger rail or bus systems providing connections to other regions or states	Not Applicable
<b>Military Access Facilities</b>	Strategic Highway Network and Strategic Rail Corridor Network facilities serving main entrance(s) of U.S. Department of Defense military installations with at least 0.25% of total U.S. military and civilian personnel <b>OR</b> Governor's Continuity of Government site(s)	Not Applicable

NOTES: 1) See SIS Atlas for official criteria and data details (source of data; year of data; etc.)



### References and Sources

- 2010 Rail System Plan*, Florida Department of Transportation, Rail Office (2010).
- 2025 Florida Aviation System Plan*, Florida Department of Transportation, Aviation Office (2010).
- 2030 Expressway Master Plan*, Orlando-Orange County Expressway Authority
- 2035 Long-Range Master Transportation Plan*, Miami-Dade Expressway Authority
- 2060 Florida Transportation Plan*, Florida Department of Transportation (2011).
- A Connected Region for Our Future: Master Plan Vision*, Tampa Bay Area Regional Transportation Authority (TBARTA) (2009).
- A Five-Year Plan to Achieve the Mission of Florida's Seaports: 2009/20010-2013/2014*, Florida Ports Council (2010).
- America 2050* (2005). *Megaregions*.
- Bureau of Economic and Business Research (BEBR), University of Florida (2010)
- Current and Future Heavily Congested Corridors*, Florida Department of Transportation, Systems Planning Office (2010).
- District and Facility Action Plans*, Florida Department of Transportation (various dates).
- District and Facility Master Plans*, Florida Department of Transportation (various dates).
- Enterprise Florida (2009)
- Final Alternatives Analysis Report for the Orlando International Airport Connector*, Florida Department of Transportation District 5 (2005).
- Florida Chamber of Commerce Trade and Logistics Study*, Florida Department of Transportation, Systems Planning Office (Dec 2010).
- Florida Department of Transportation, Joint Automated Capital Improvements Program (JACIP) (2010).
- Florida Department of Transportation, Seaports Capital Improvements Program (SEACIP) (2010).
- Florida Department of Transportation, Transportation Capital Improvements Program (TransCIP) (2010).
- Florida Statewide Highway Planning Model*, Florida Department of Transportation (2010).
- Florida Transportation Trends and Conditions*, Florida Department of Transportation and Center for Urban Transportation Research (2009).
- Florida Visitor Study 2009*, VISIT Florida (2009).
- Freight Analysis Framework (FAF) Version*, Center for Transportation Analysis (2011).
- Friends of Florida State Parks (2010)
- I-Drive Local Circulator Alternative/Technology Assessment Study*, Florida Department of Transportation District 5 (2005).
- Jacksonville Streetcar Pre-Feasibility Study*, Jacksonville Transportation Authority (2008).
- Long Range Estimating System (LRE)*, Florida Department of Transportation (2011)
- Long Range Plan Updates (LRTP)*, Metropolitan Planning Organizations (MPOs) (2009-2010).
- LRTP Transit Routes*, MetroPlan Orlando (2008).
- Master Plan Update, FY 2011-FY 2035*, Florida's Turnpike Enterprise
- Northwest Florida Transportation Corridor Authority Master Plan*, Northwest Florida Transportation Corridor Authority (NFTCA) (2007).
- PD&E studies (various dates)
- Regional Transit Study*, Capital Regional Transportation Planning Agency (2010).
- Regional Transportation Solutions*, Jacksonville Transportation Authority
- Roadway Characteristics Inventory*, Florida Department of Transportation, Transportation Statistics Office (2011).
- SIS 2010 Strategic Plan Update*, Florida Department of Transportation, Policy Planning Office (Jan 2010).
- SIS 2030 Multimodal Unfunded Needs Plan*, Florida Department of Transportation, Systems Planning Office (May 2006).
- SIS 2035 Cost Feasible Plan*, Florida Department of Transportation, Systems Planning Office (Dec 2009).
- Spaceport Master Plan*, Space Florida (2010).
- U.S. Census Bureau, American Community Survey (2009).

