

# ***FDOT Up-Close: Future Corridors & Other Initiatives***



**Future of Florida Virtual Seminar Series**

June 6, 2012



# *Today's Presenters*



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Office of Policy Planning



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State Transportation  
Development Administrator

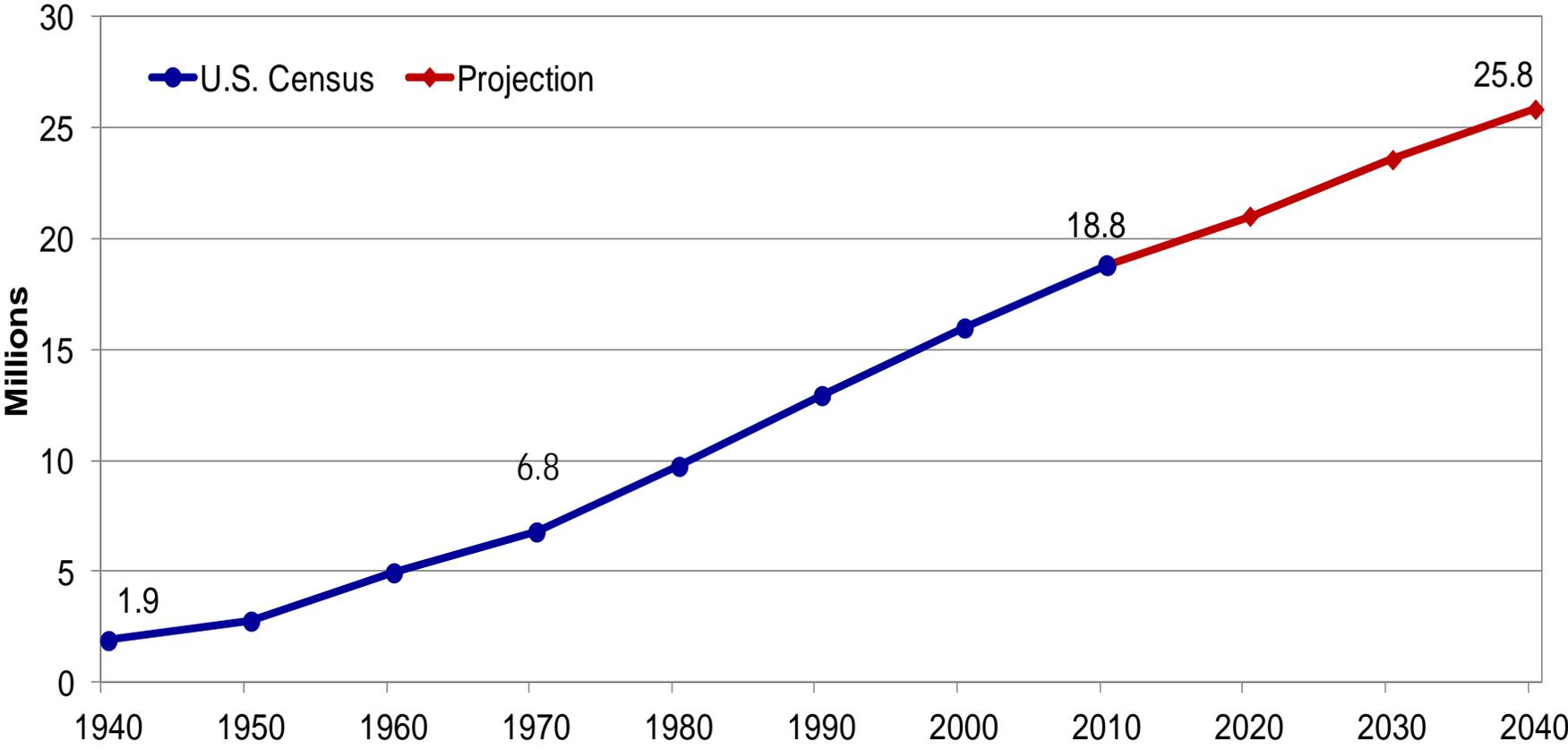


# *Today's Presentation*

- ◆ Florida's Growing Travel Demand
- ◆ Florida's Transportation Vision for the 21<sup>st</sup> Century
- ◆ Florida's Future Transportation Corridors
- ◆ Post-Legislative Update
- ◆ 2010 Census, Regional Governance

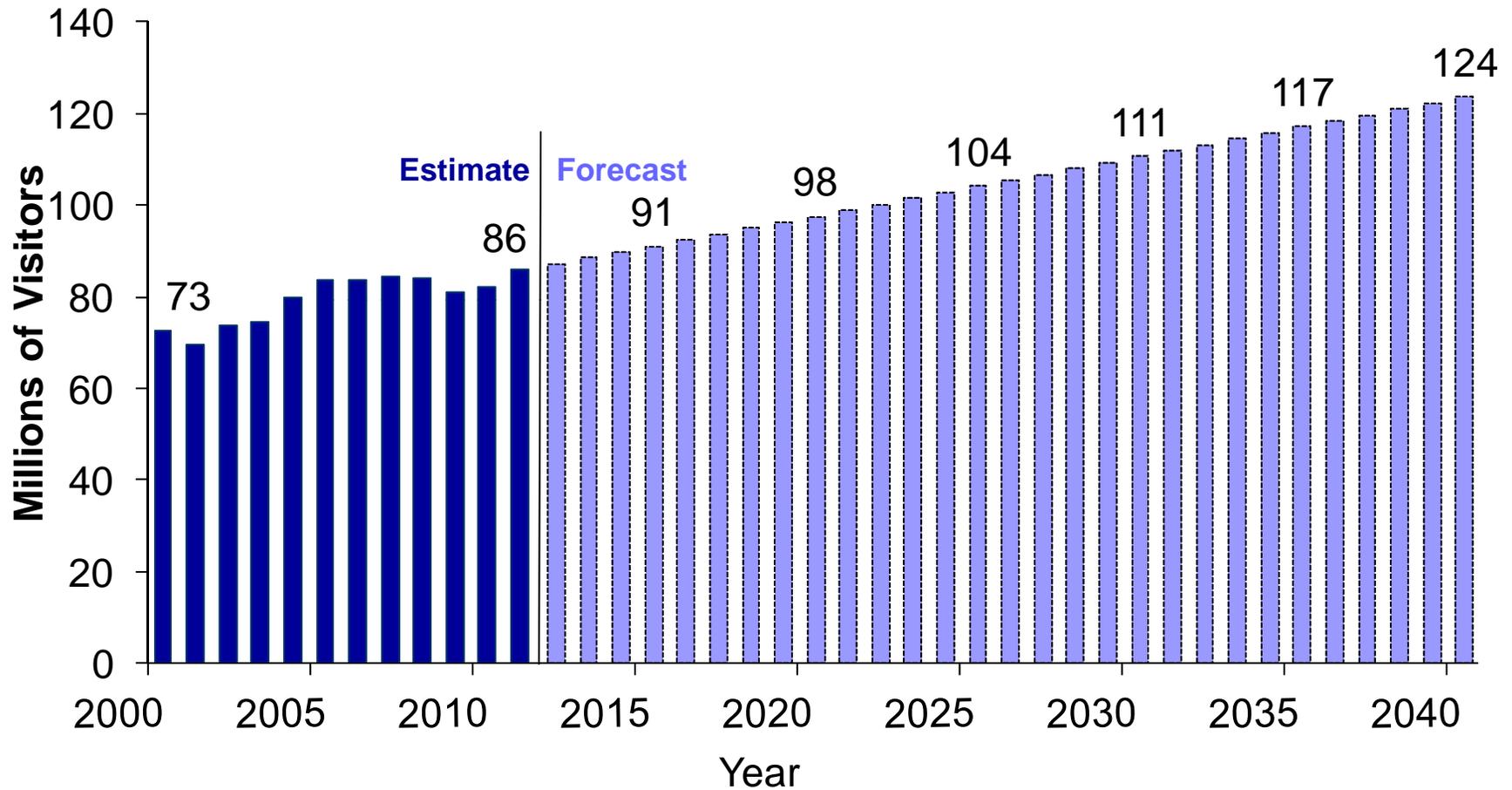


# Population Still Growing



Sources: Census Bureau and University of Florida Bureau of Economic and Business Research (BEBR)

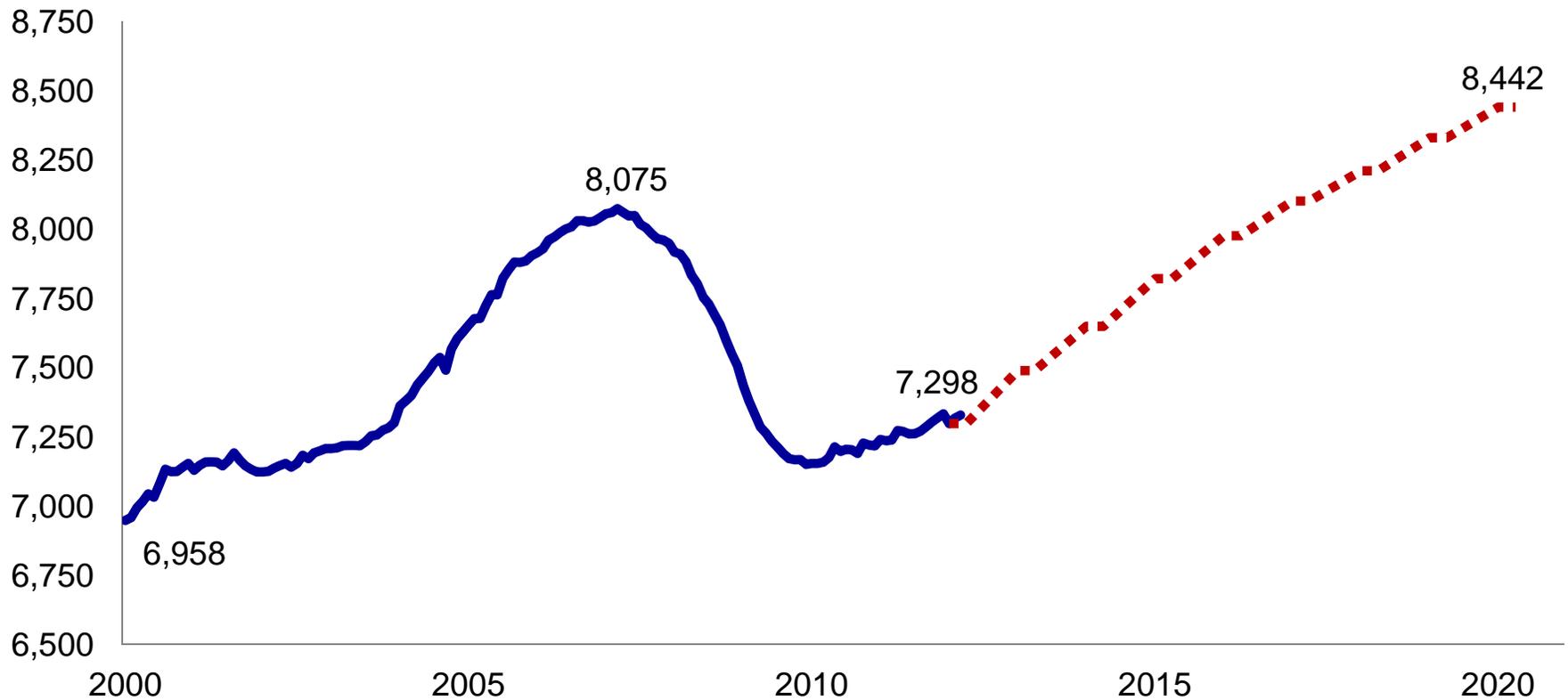
# More Visitors



Source: Visit Florida (historical, new method used for 2009); FDOT (forecast numbers are extrapolated.)

# Employment Rising Again

Employment (in thousands)



Source: U.S. Bureau of Labor Statistics, "Current Employment Statistics," and Florida Office of Economic and Demographic Research (December 2011 forecast)

# Passenger Travel Continues To Grow

Mode	Measure (millions)	2010	2035	Change
Auto	Annual vehicle-miles traveled	195,755	324,785	66%
Transit	Trips	245	381	55%
Air	Enplanements	67	120	79%
Water	Cruise passengers	13	23	81%
Rail	Interregional passengers	1	N/A	N/A

Source: 2010 Estimates: auto, transit and air from FDOT; water from Florida Ports Council; and rail from Amtrak.

2035 Forecast: all except cruise is generated by FDOT and the air forecast is through 2030; cruise forecast from Florida Ports Council.



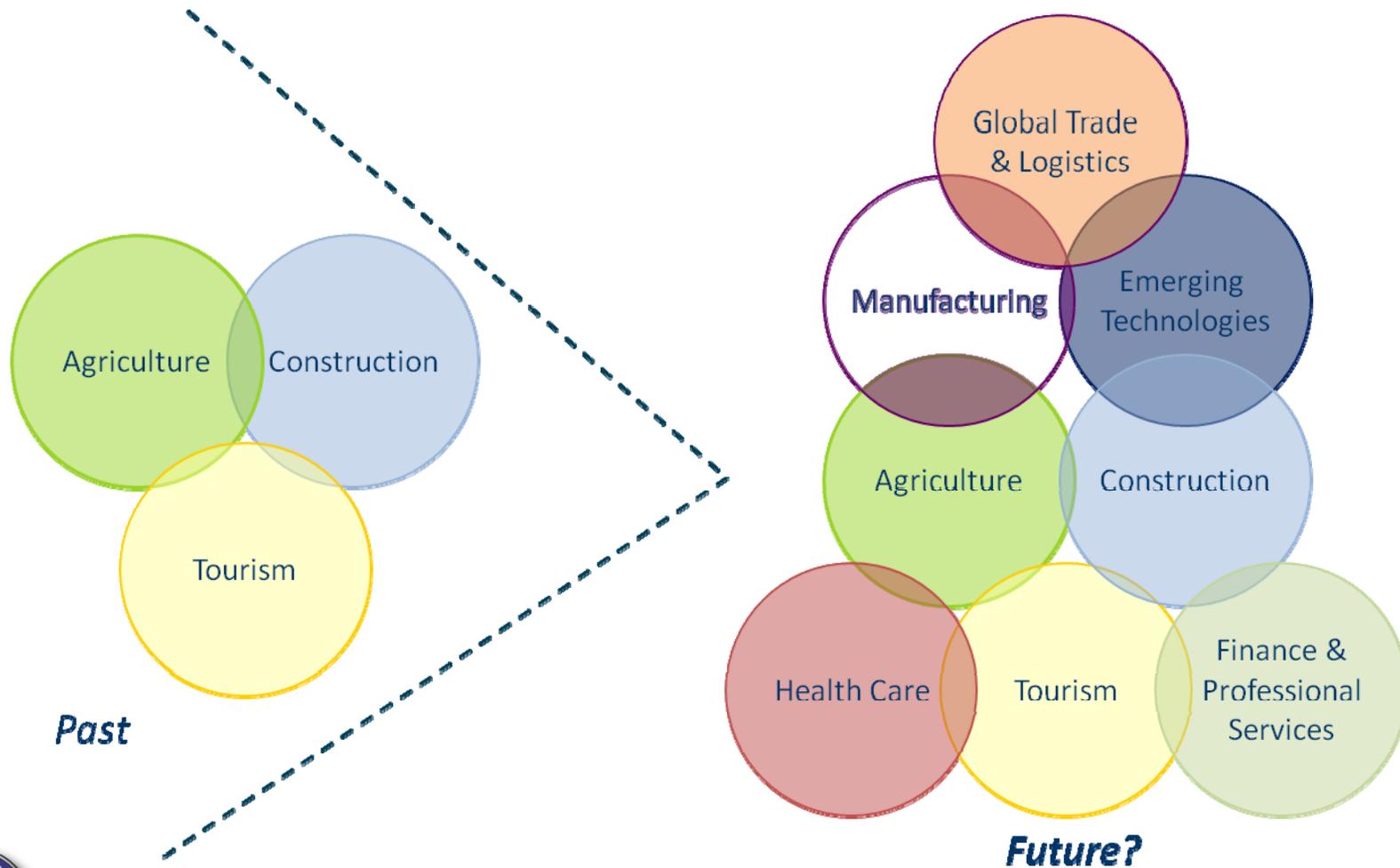
# *Freight Transport Will Increase (millions of tons)*

<b>Mode</b>	<b>2010</b>	<b>2035</b>	<b>Change</b>
Truck	452.3	643.0	42%
Rail	75.0	80.2	7%
Int'l waterborne	50.1	78.7	57%
Air	1.2	2.5	108%



Source: Florida Chamber Foundation and Florida Department of Transportation,  
*Florida Trade and Logistics Study (as of February 2011)*

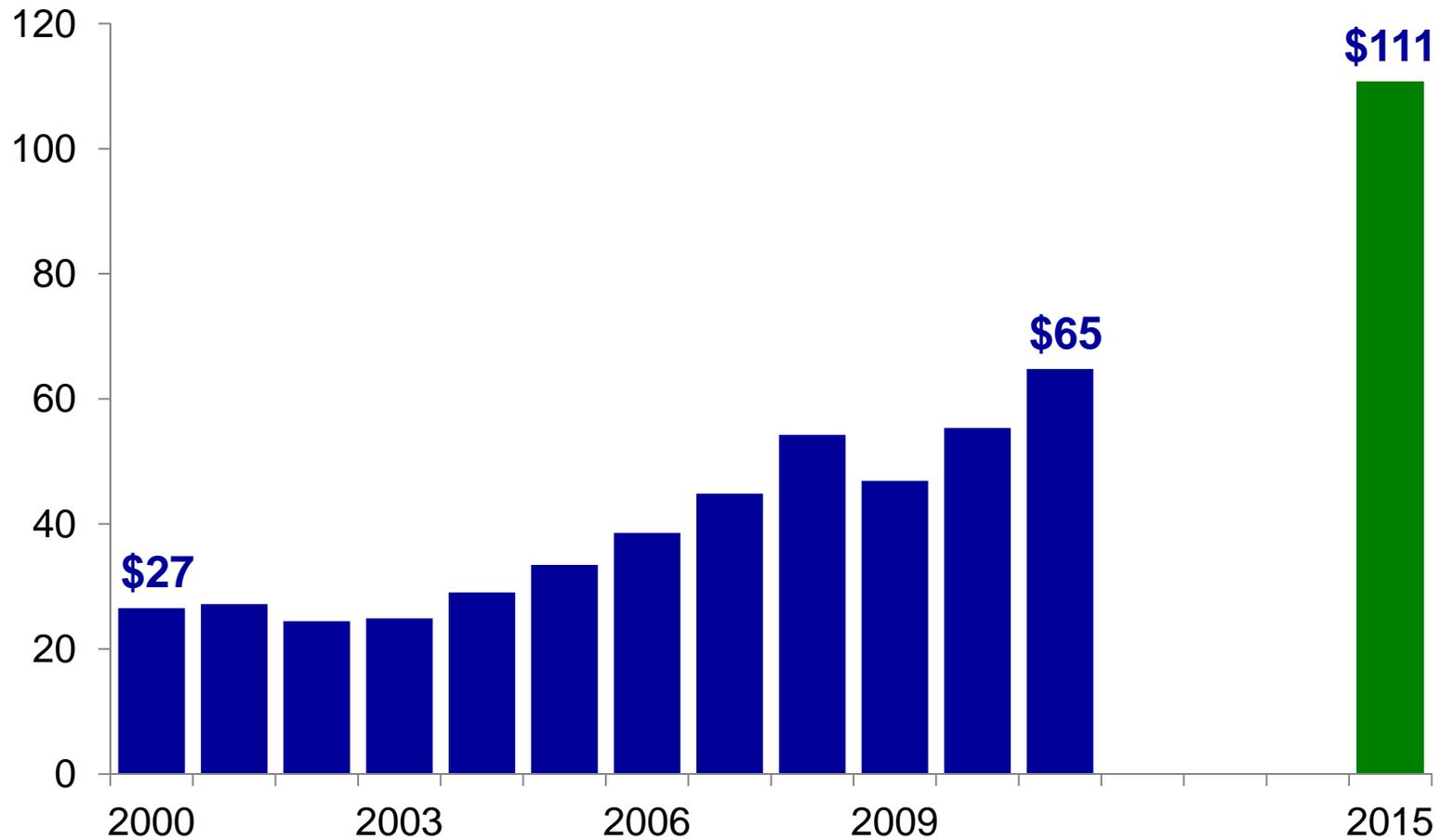
# Changing Industry Composition



Source: Florida Department of Economic Opportunity

# More Global Trade

Florida Origin Exports, \$Billions



Source: U.S. Census Bureau, Foreign Trade Division.

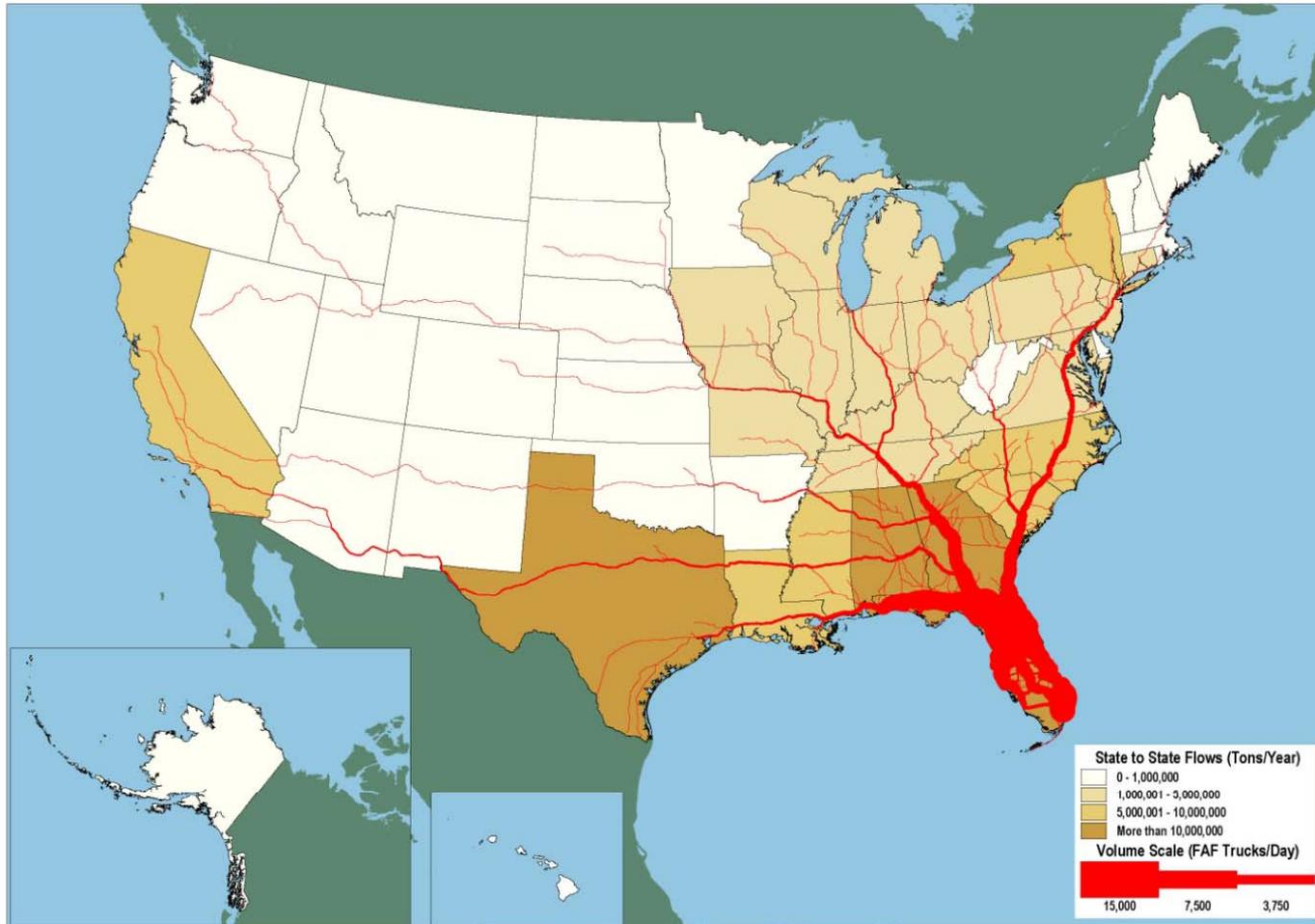
# *Florida as a Global Gateway*



***International Flight  
Routes to/from Miami***



# Florida as a Global Gateway



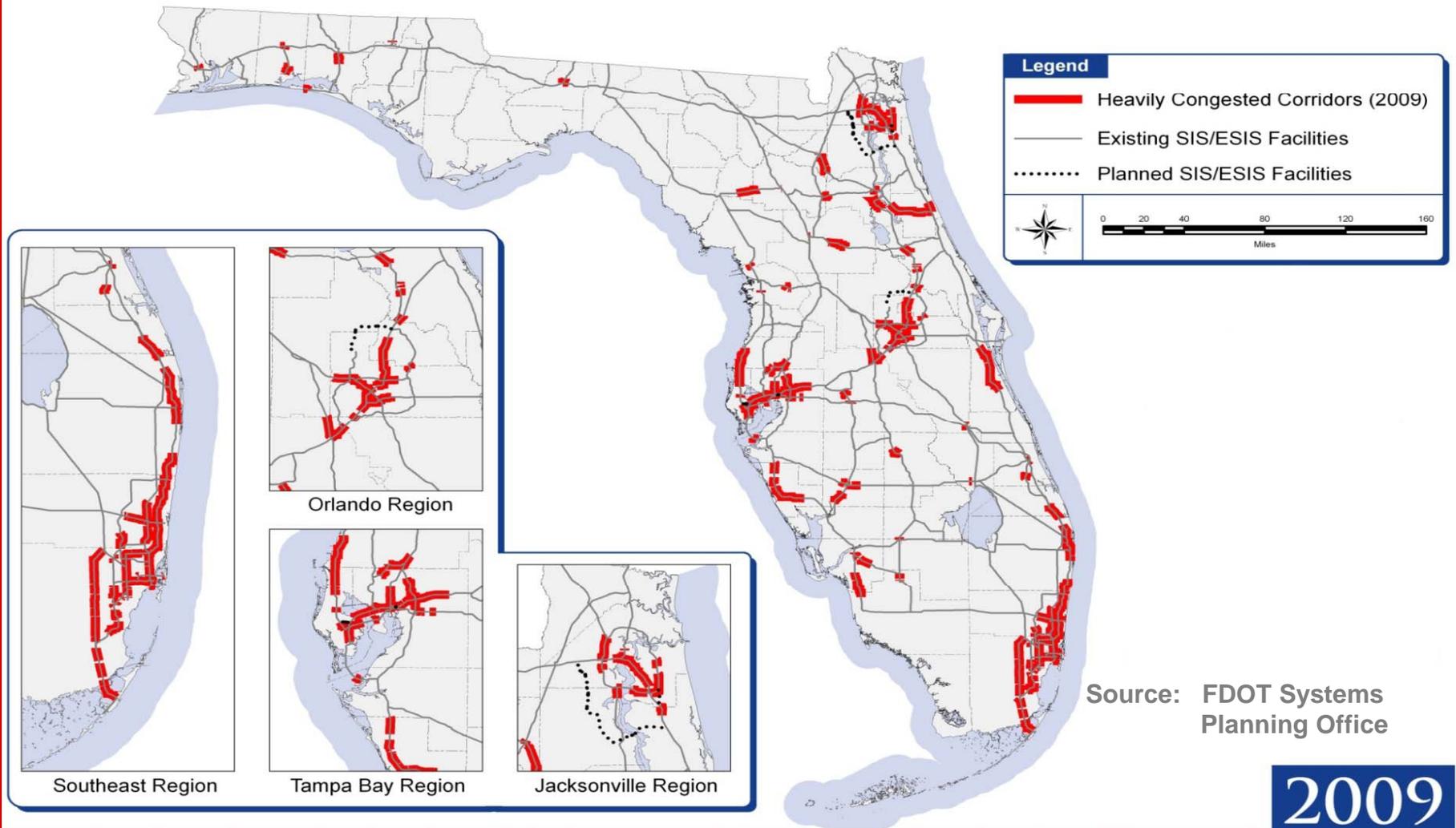
Note: Major flows include domestic and international freight moving by truck on highway segments with more than twenty five FAF trucks per day and between places typically more than fifty miles apart.

Source: U.S. Department of Transportation, Federal Highway Administration, Office of Freight Management and Operations, Freight Analysis Framework, version 3.1.2, 2011.



## Major Flows by Truck To, From, and Within Florida, 2007

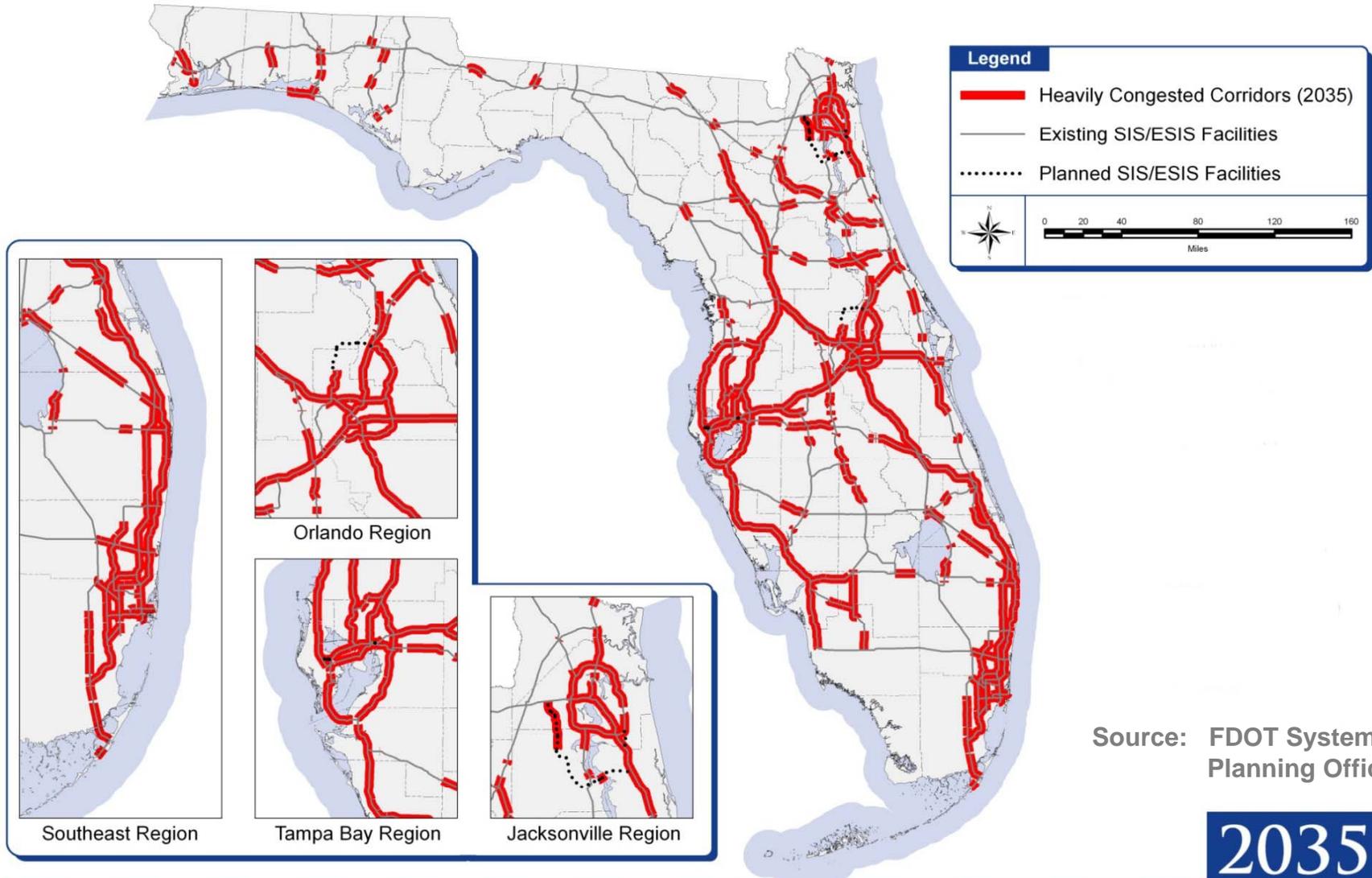
# Today's Transportation System Cannot Meet Future Demand



Source: FDOT Systems Planning Office

2009

# Today's Transportation System Cannot Meet Future Demand



Source: FDOT Systems Planning Office

2035

# *SIS Multimodal Unfunded Needs*

<b>Mode</b>	<b>Total (\$Millions)</b>
Aviation	2,395
Highway	82,676
Rail	14,554
Seaport	7,211
Spaceport	691
Transit	23,659
<b>TOTAL</b>	<b>\$131,186</b>



# *Today's Presentation*

- ◆ Florida's Growing Travel Demand
- ◆ Florida's Transportation Vision for the 21<sup>st</sup> Century
- ◆ Florida's Future Transportation Corridors
- ◆ Post-Legislative Update
- ◆ 2010 Census, Regional Governance



# FLORIDA TRANSPORTATION VISION FOR THE 21<sup>st</sup> CENTURY

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In order to grow, prosper, and create the conditions for the private sector to produce better jobs, Florida must have the best transportation and infrastructure system in the nation.

The Florida Transportation Vision for the 21<sup>st</sup> Century uses creative financing alternatives, offers transportation choices, places strong emphasis on port development, reduces bureaucracy and streamlines decision making, plans and develops future corridors, and provides faster project delivery to keep Florida moving and get our citizens back to work.

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CREATIVE  
FINANCING  
ALTERNATIVES



- Diversify our sources of revenues
- Public-private partnerships
- Combining federal, state, local and private sector funding
- Tolling alternatives





- Provide choices to the user and customer
- System of managed lanes:
  - Lane reversals
  - Express lanes
  - Variable pricing lanes
  - Tolling





- Plan for a system for decades to come
- Statewide vision: context for future corridors
- Review initial study areas:  
Future Corridors Action Plan



FREIGHT/  
PORTS



- Panama Canal expansion can be a game changer
- Port of Miami dredging is 1<sup>st</sup> step
- Office of Freight Planning and Logistics in FDOT

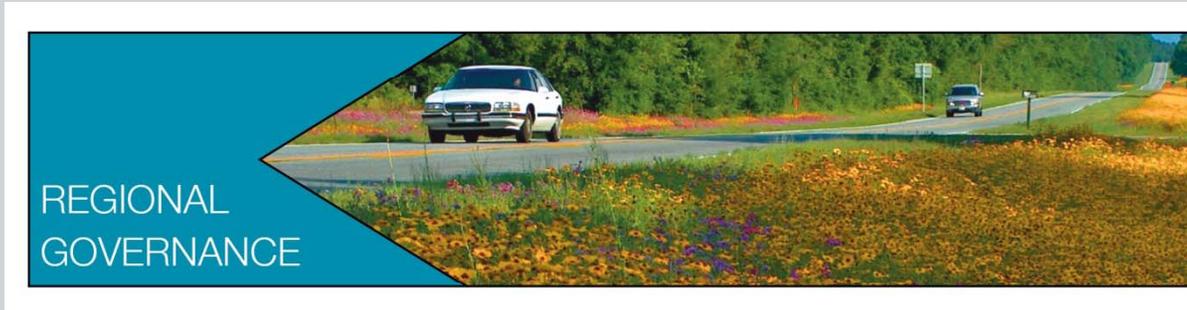


SPACE  
AND  
AVIATION



- End of Space Shuttle program brings new beginnings
- Invest \$15 million for infrastructure improvements
- Invest over \$170 million this year in Florida's aviation system





- Many political and governmental entities
- Economy and business investments made regionally
- Transition Florida's planning process to focus on regional and metropolitan issues



## FLORIDA TRANSPORTATION VISION FOR THE 21st CENTURY



- One of the best turnpike authorities in the country
- High bond rating, high customer satisfaction
- Advance \$1.8 billion in improvements
- All electronic tolling



CONSISTENT  
PREDICTABLE  
REPEATABLE



“I believe in a decentralized agency but I want to revitalize FDOT through CPR”

*Secretary Ananth Prasad*



CONSISTENT  
PREDICTABLE  
REPEATABLE



- A Consistent agency across all Districts
- A Predictable decision-making framework
- Repeatable desired outcomes



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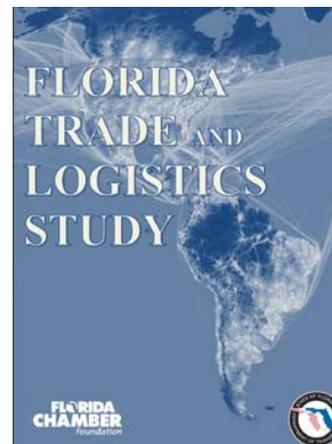
# *Why Future Corridors?*

- ◆ Coordinate long-range growth/transportation plans and visions
- ◆ Provide solutions for or alternatives to existing congested corridors
- ◆ Meet growing demand for moving people and freight
  - ✓ Growth in population, visitors, and domestic and international trade
- ◆ Improve connectivity
  - ✓ Between regions
  - ✓ Between Florida and other states and nations

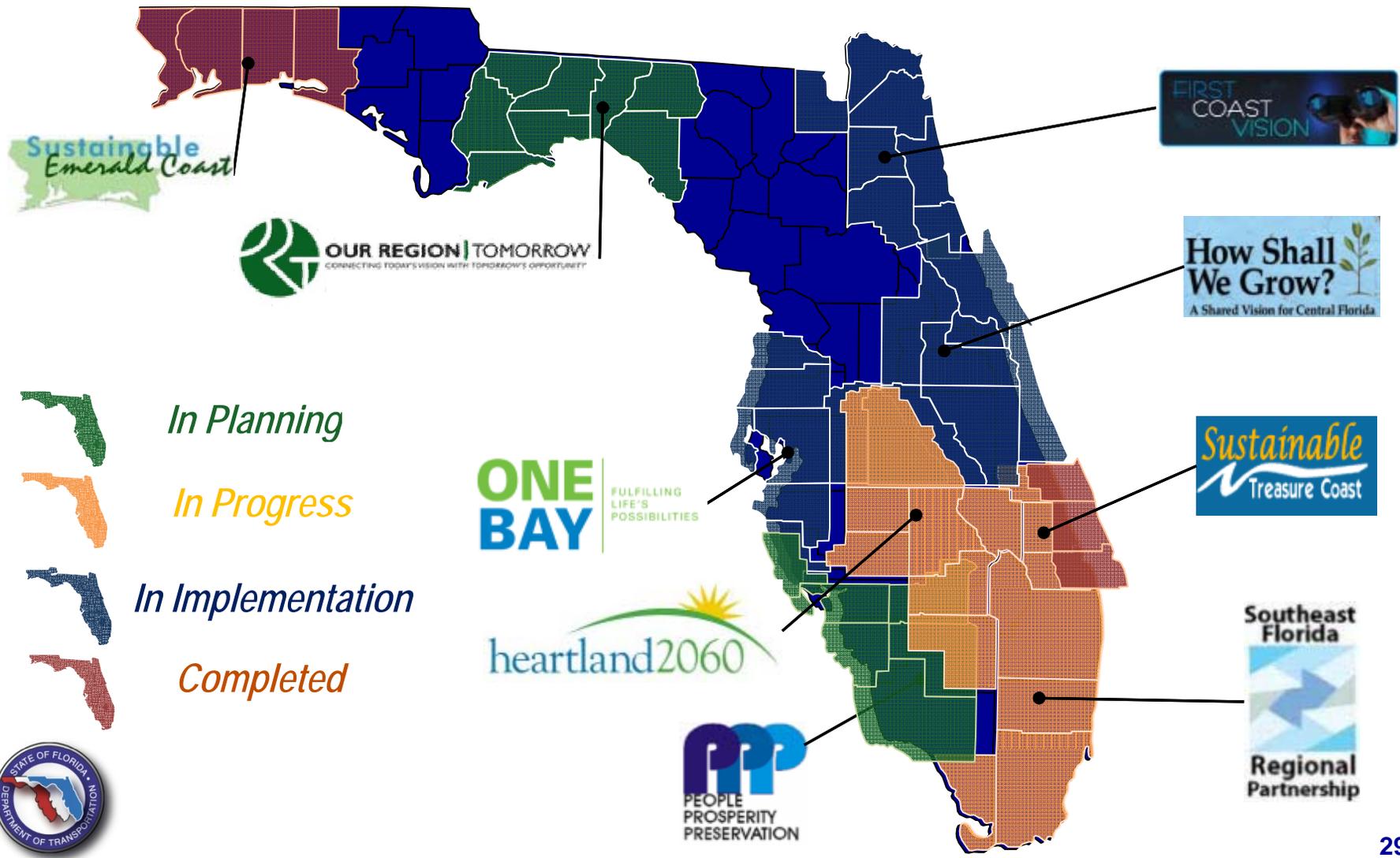


# Many Partners Calling for Greater Emphasis on Future Corridors

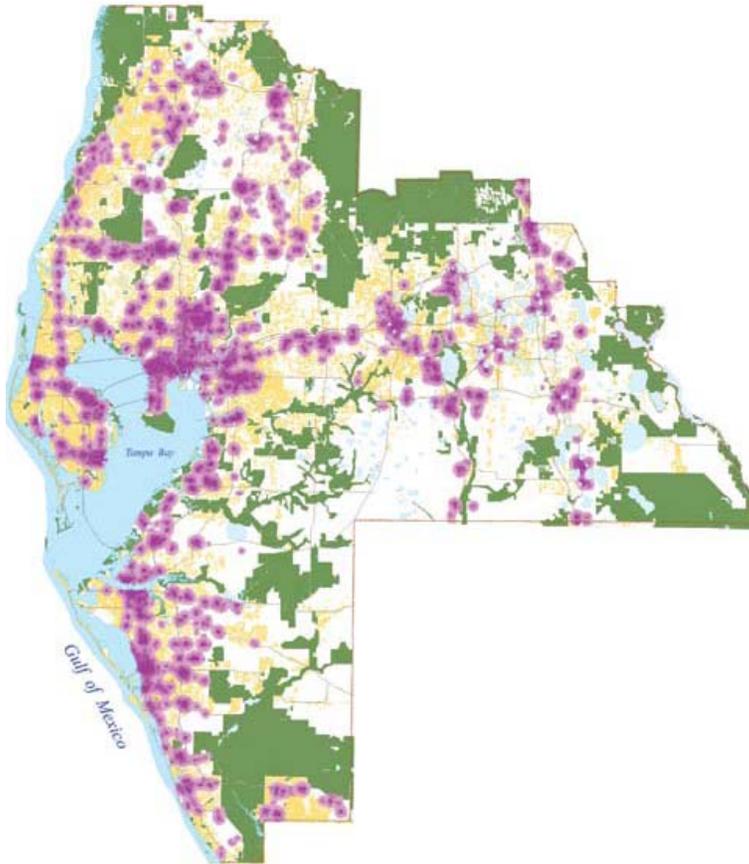
- ◆ 2060 Florida Transportation Plan
- ◆ Florida Trade and Logistics Study
- ◆ Six Pillars™ 2030 Strategic Plan



# Regional Visioning Processes



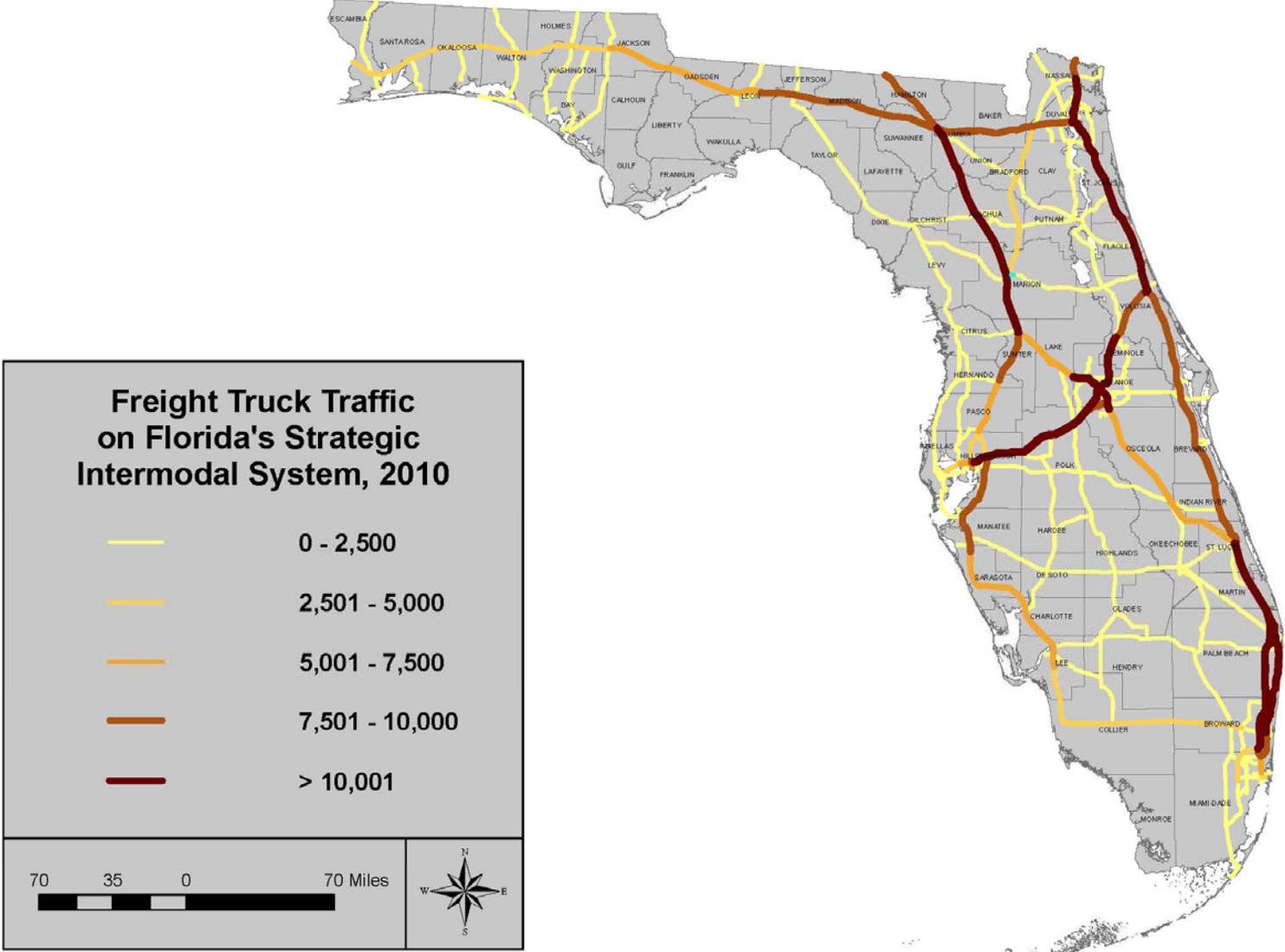
# *How Can a Regional Vision Provide Input to Corridor Planning*



- At a minimum, a vision should indicate desirable regional growth patterns and long-range scenarios for:
  - Future land development
  - Conceptual locations for future corridors (including modes and access points)
  - “Must save” community and environmental resources



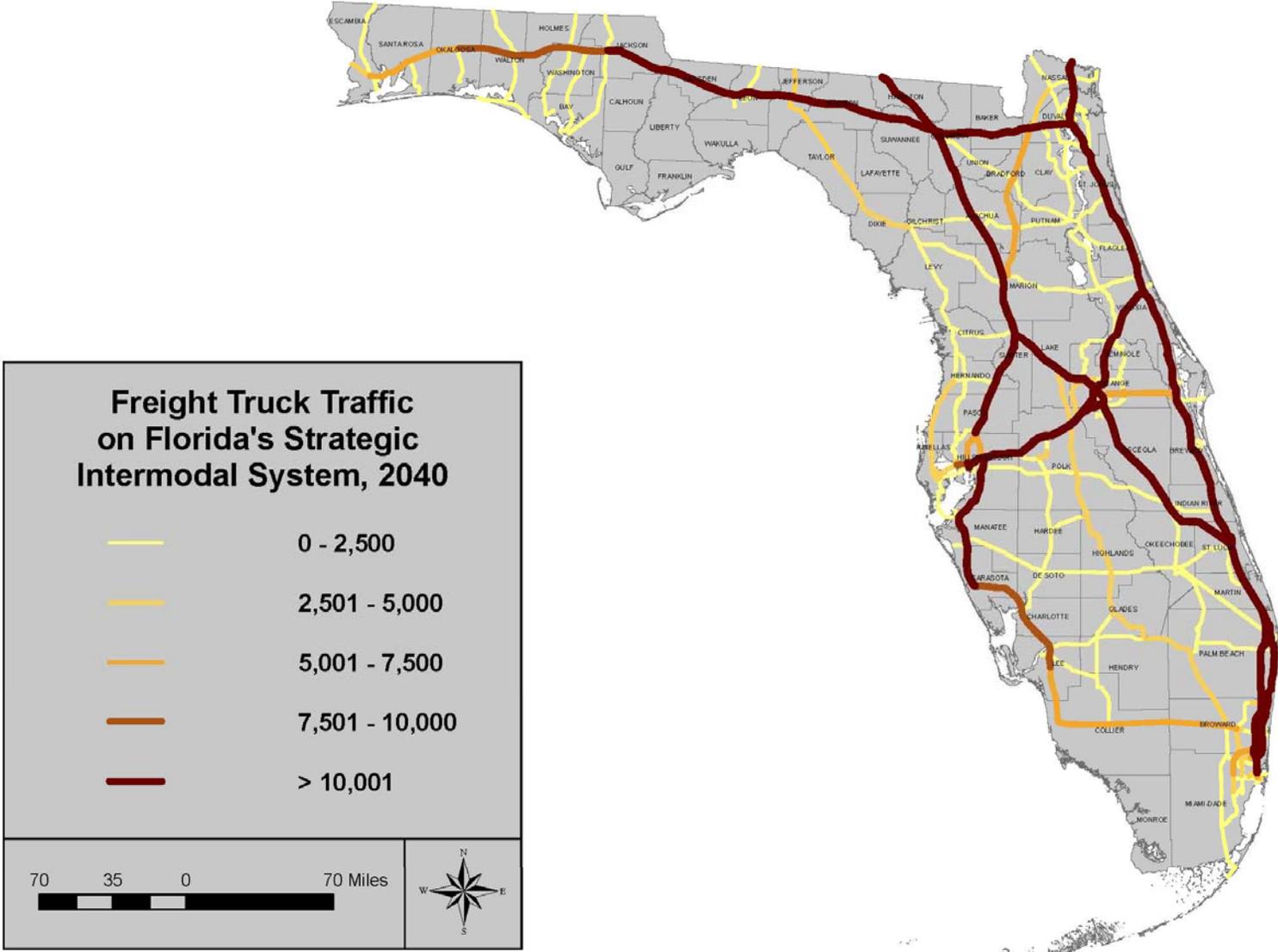
# Freight Traffic on the SIS, 2010



Source: Florida Statewide Model

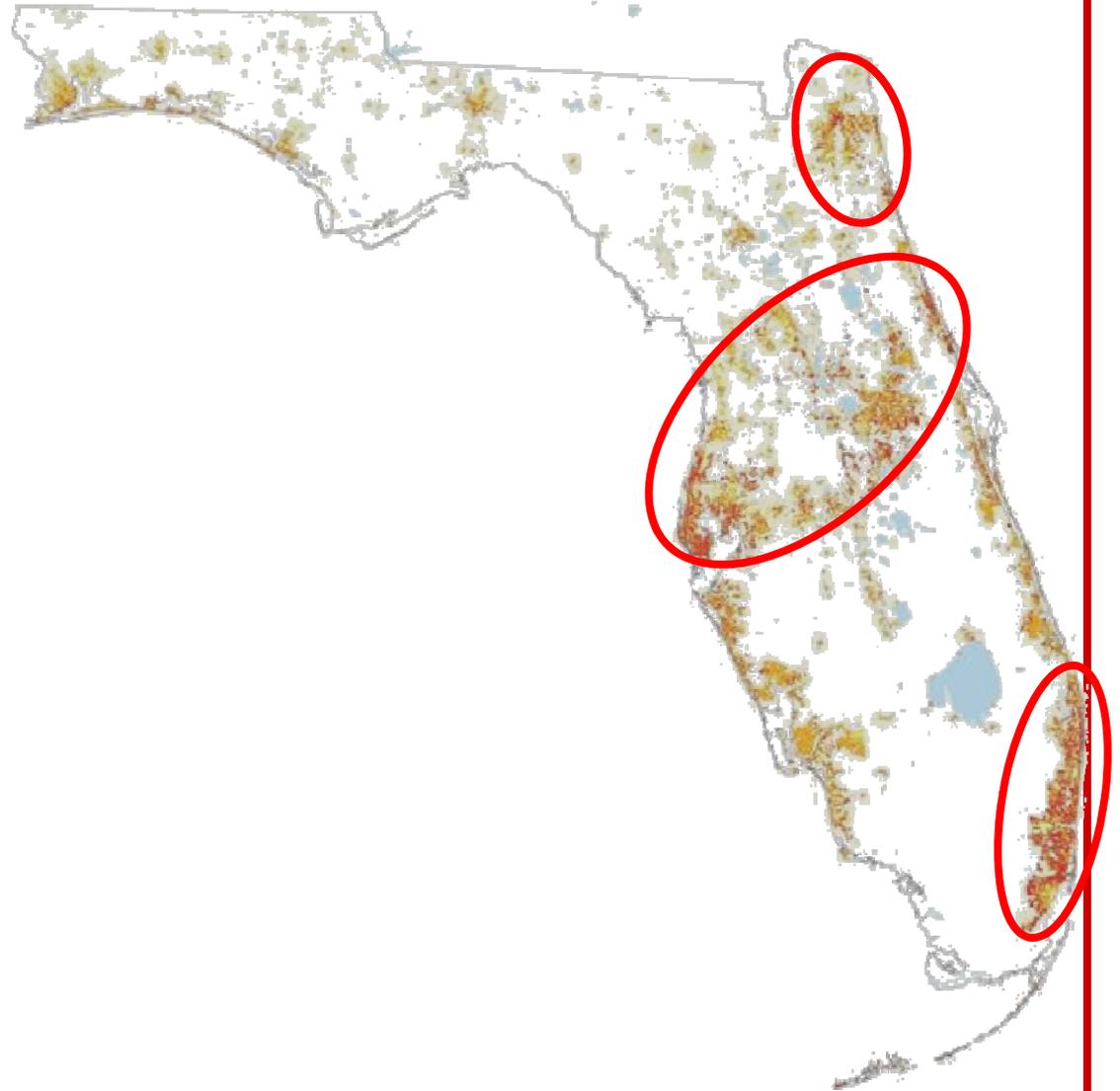


# Freight Traffic on the SIS, 2040



# Supporting Economic Development

- ◆ Existing large economic centers
  - ✓ Capacity
  - ✓ Bottlenecks

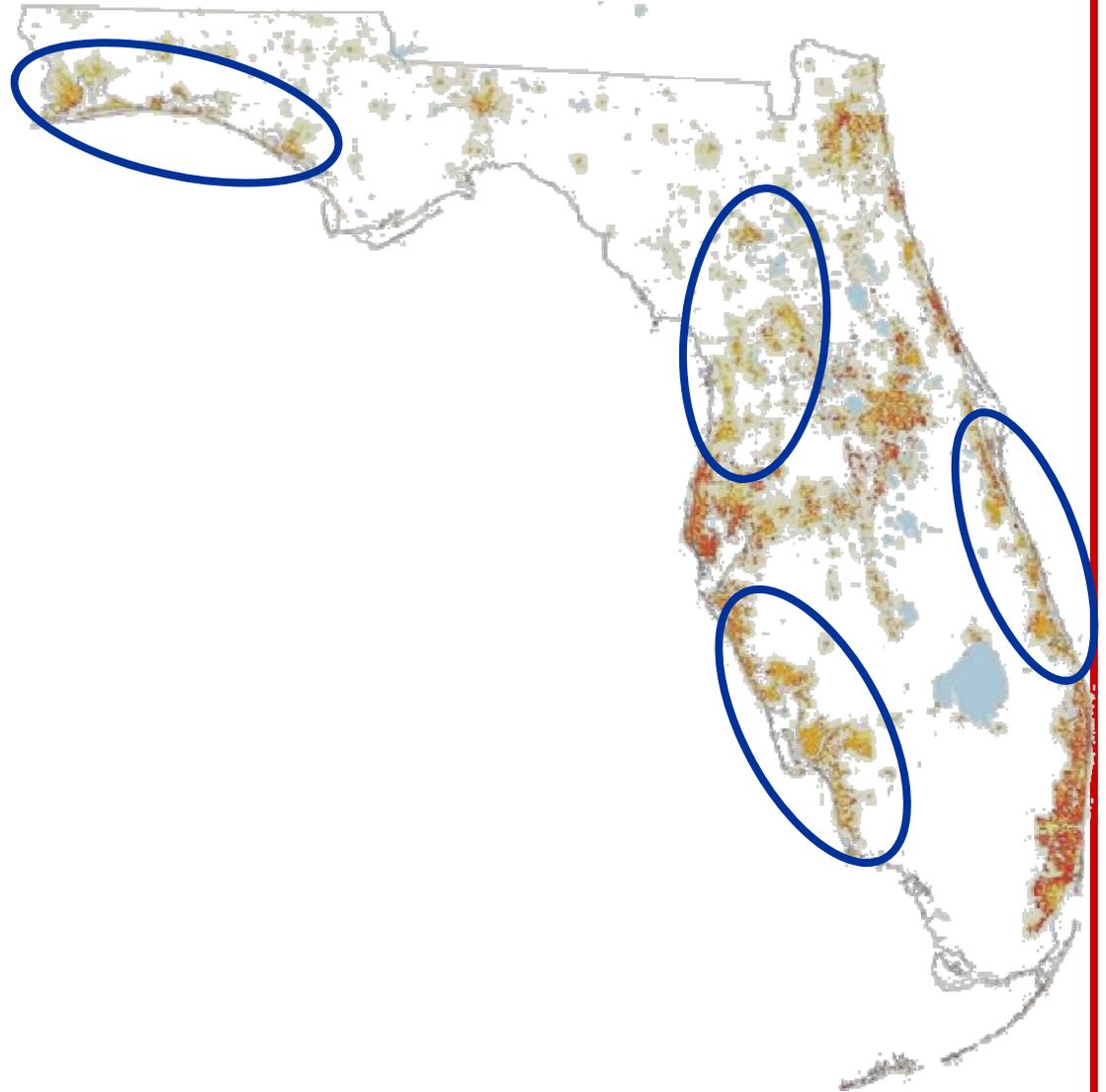


Source: Florida Dept of Revenue, parcel data 2009

# Supporting Economic Development

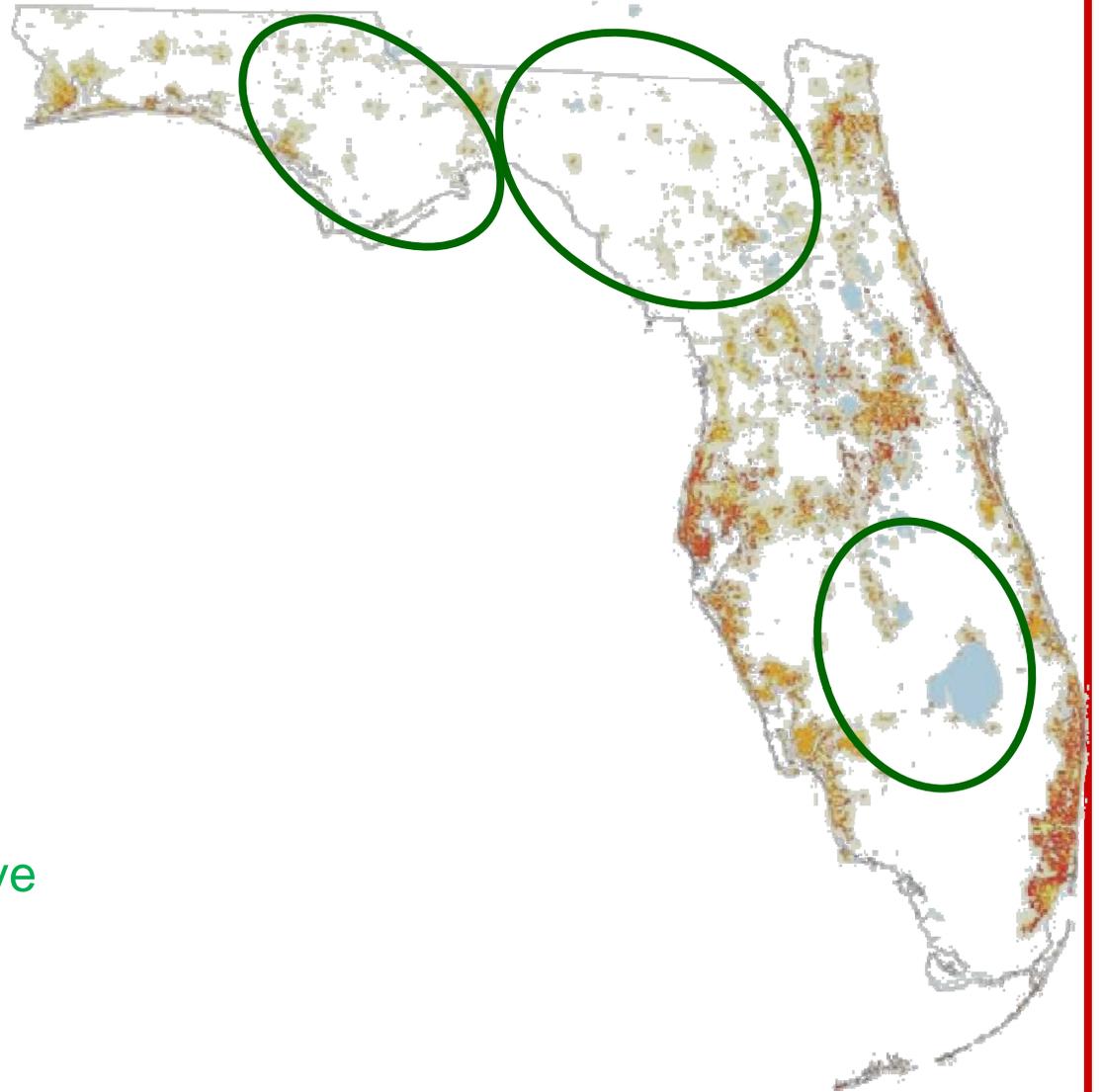
- ◆ Emerging centers

- ✓ Intercity connections
- ✓ Modal options



Source: Florida Dept of Revenue, parcel data 2009

# Supporting Economic Development



## ◆ Rural Areas of Critical Economic Concern

- ✓ Regional employment centers
- ✓ Economically productive rural lands



Source: Florida Dept of Revenue, parcel data 2009

# Policy Framework

- ◆ Focus on connecting economic activities and moving people and freight
- ◆ Maximize use of existing facilities
- ◆ Consider alternatives to highways
- ◆ Add capacity to existing facilities to support growth in demand and relieve congestion
- ◆ Consider new facilities when needed to fill major connectivity gaps



# What Is a Statewide Corridor?

- ◆ Connects Florida to another state or connects two or more regions within Florida
- ◆ May involve multiple transportation modes as well as utility, communications, and other linear facilities
- ◆ May include
  - ✓ Enhancements to existing corridors (re-use and re-design)
    - Special use lanes
    - Addition of rail or transit line
    - Addition of passenger service on freight line
  - ✓ Parallel facilities in key locations
  - ✓ New corridors



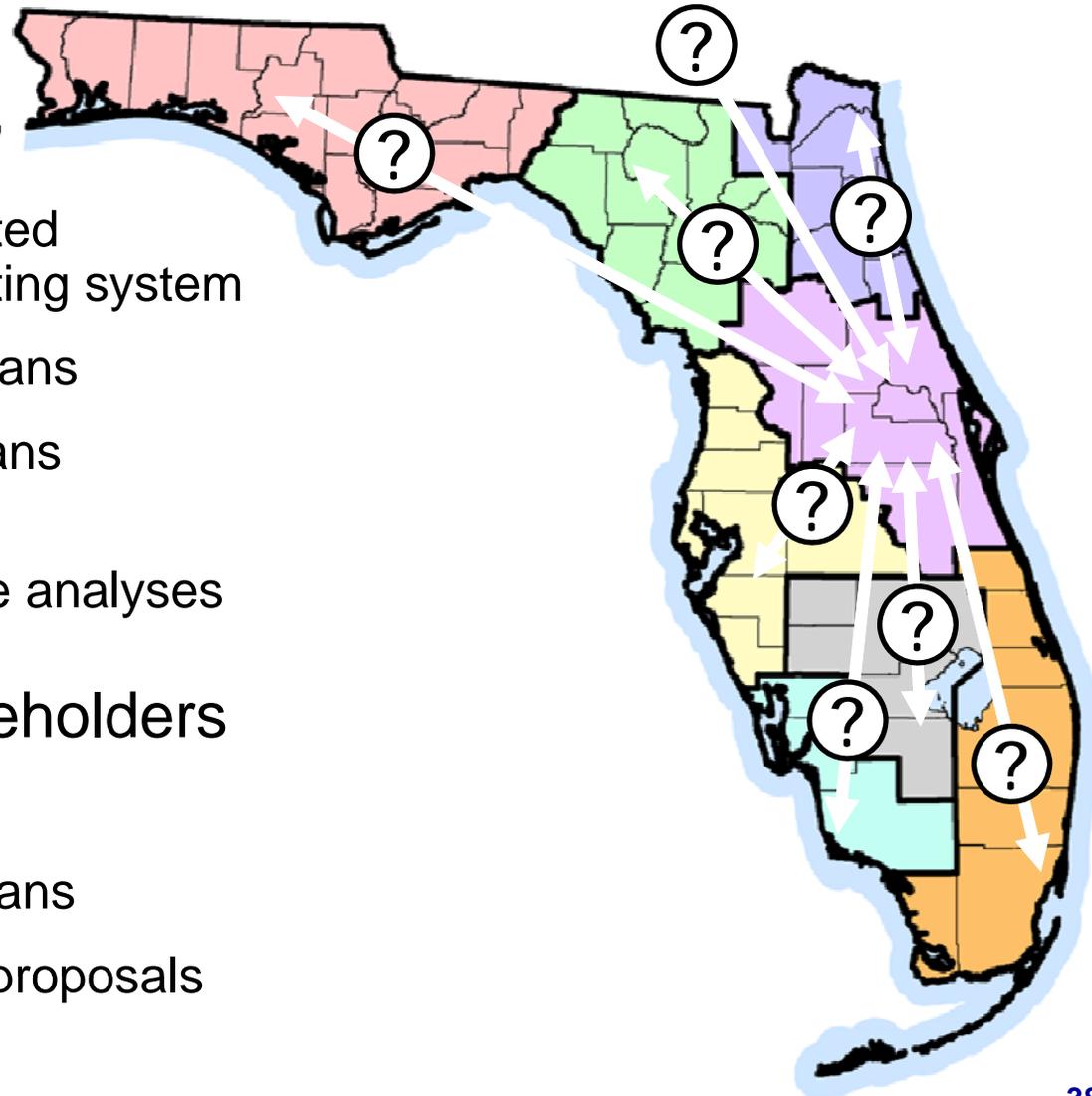
# How Are Study Areas Identified?

## ◆ FDOT

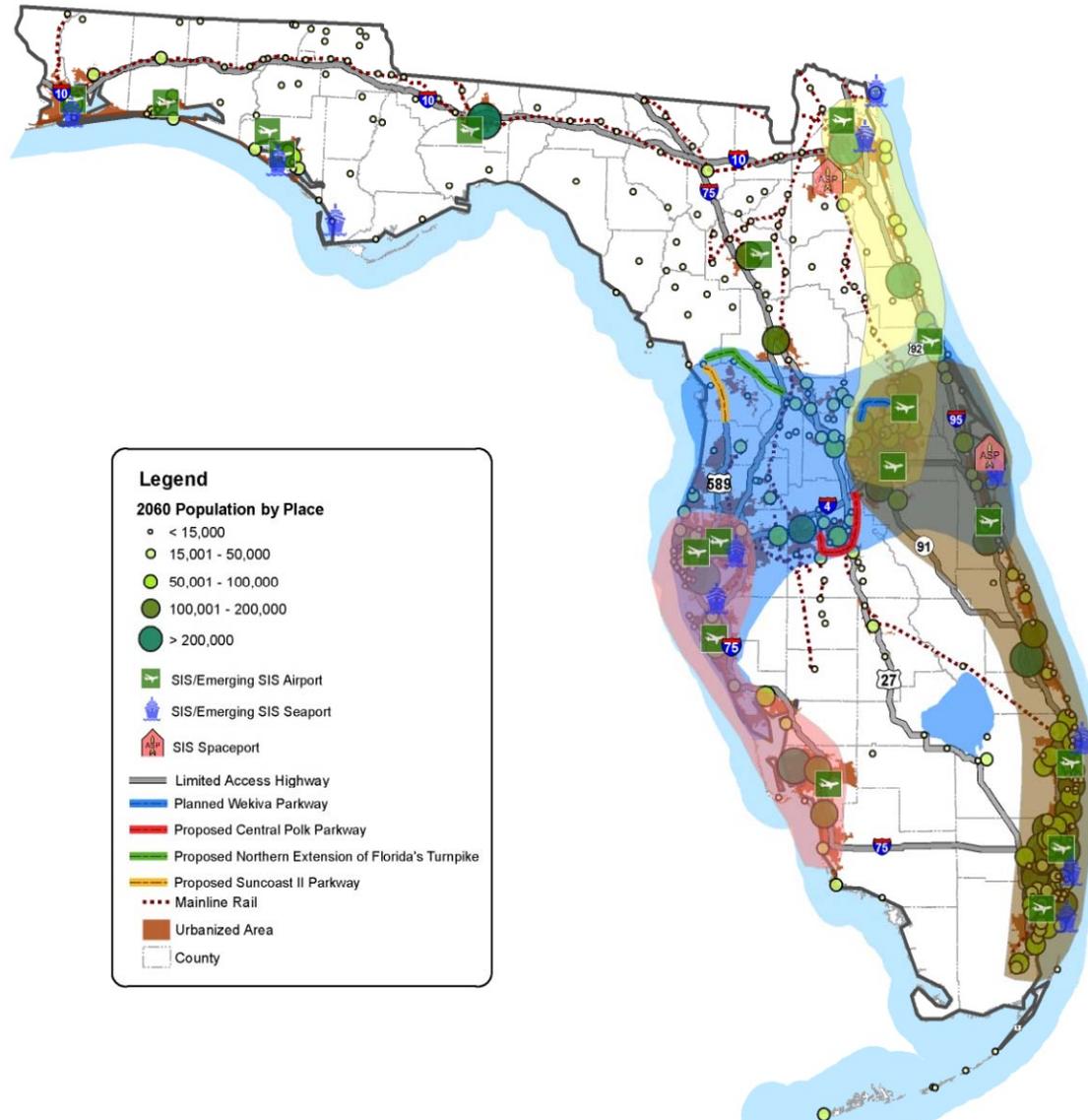
- ✓ Connectivity “gaps”
- ✓ Current and projected constraints on existing system
- ✓ Statewide modal plans
- ✓ Corridor Master Plans
- ✓ District and Turnpike Enterprise analyses

## ◆ Partners and Stakeholders

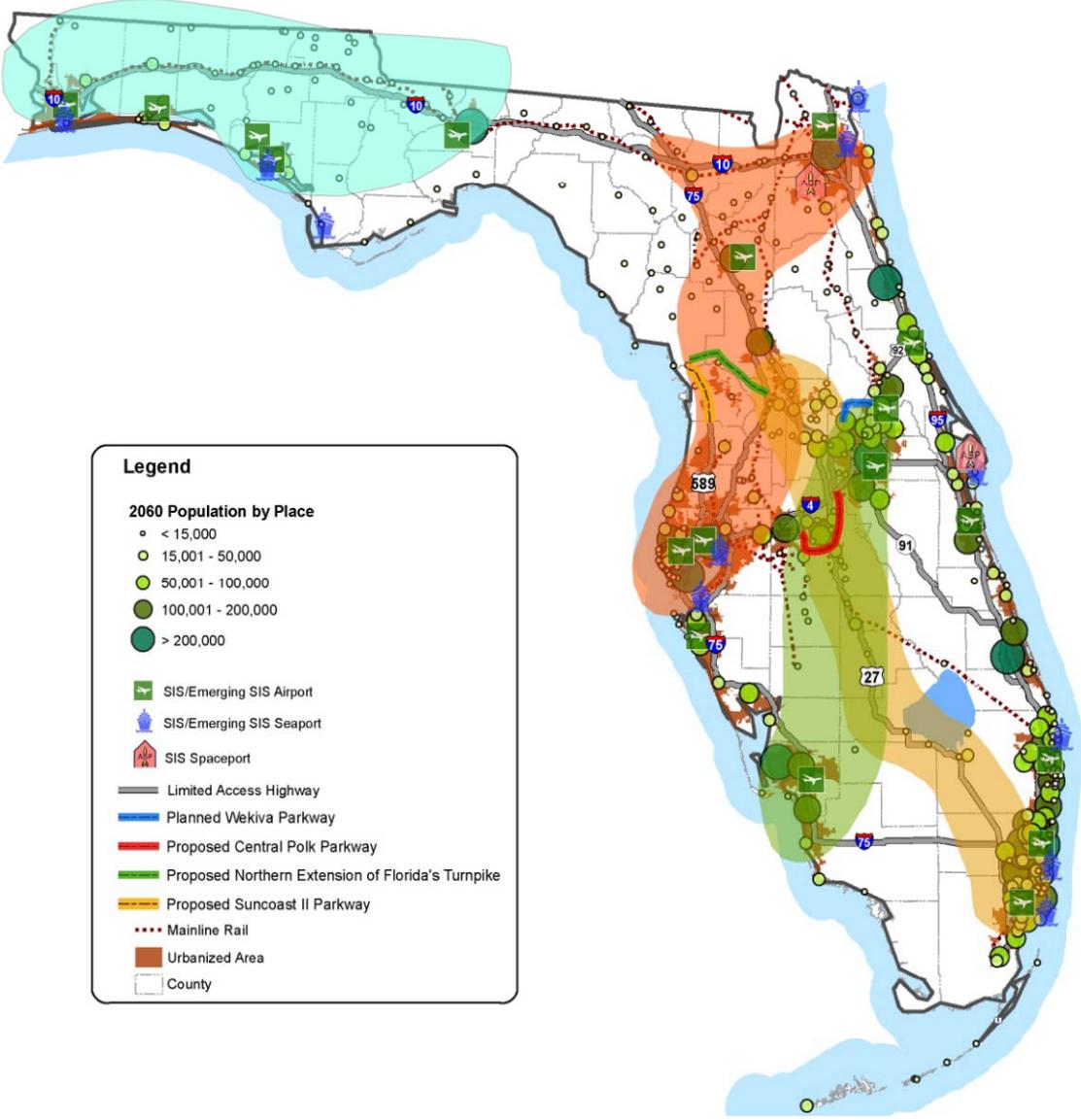
- ✓ Regional visions
- ✓ MPO long-range plans
- ✓ Other stakeholder proposals



# Transform Existing Corridors



# Improve Regional Connectivity



**Legend**

**2060 Population by Place**

- < 15,000
- 15,001 - 50,000
- 50,001 - 100,000
- 100,001 - 200,000
- > 200,000

- ✈ SIS/Emerging SIS Airport
- ⚓ SIS/Emerging SIS Seaport
- 🏠 SIS Spaceport
- Limited Access Highway
- Planned Wekiva Parkway
- Proposed Central Polk Parkway
- Proposed Northern Extension of Florida's Turnpike
- - - Proposed Suncoast II Parkway
- ⋯ Mainline Rail
- Urbanized Area
- County



# Corridor Planning Approach

## Concept

- Identify connectivity or mobility need
- Assess consistency with statewide policies, regional visions
- Identify issues to be addressed in future stages

## Evaluation

- Identify and evaluate alternative solutions
- Work with partners to build consensus
- Develop implementation plan for viable corridors

## Project Development

- Detail corridor improvement projects
- Select projects for implementation
- Advance through environmental review process



## *Key Policy Issues*

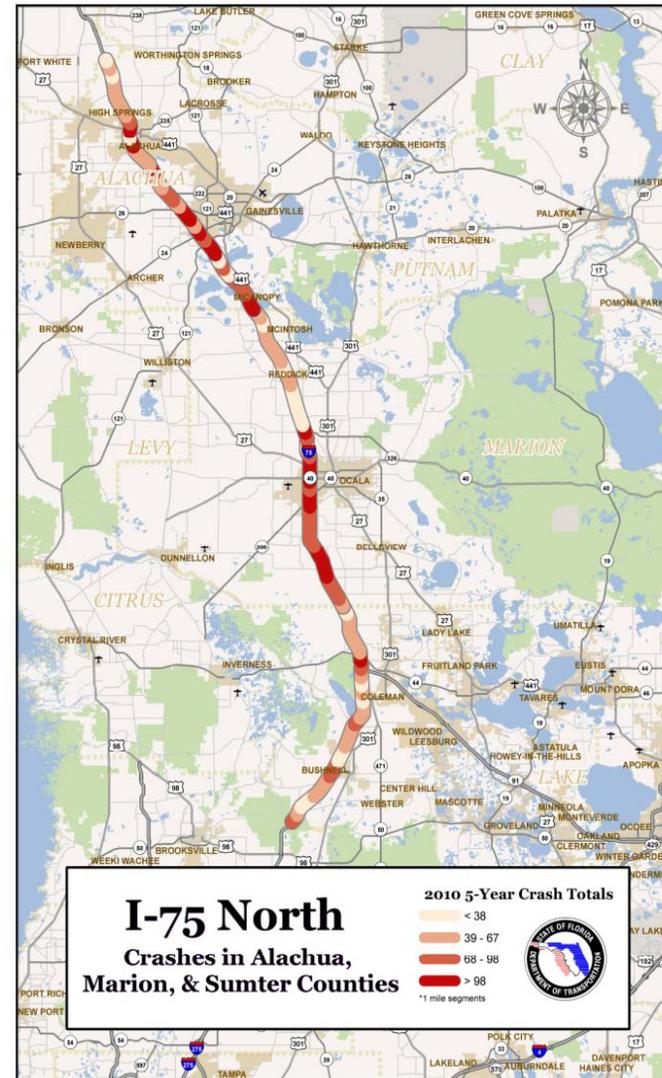
- ◆ Consistency with statewide and regional visions/plans including DEO Strategic Plan, Six Pillars
- ◆ Linkage to sector plans, rural land stewardship areas, DRIs, etc.
- ◆ Coordination with Cooperative Conservation Blueprint and other land conservation plans
- ◆ Integrating corridor concepts into regional and local transportation and land use plans
- ◆ Partnership opportunities with landowners, utilities



# Example: I-75 Relief and the Tampa Bay- Jacksonville Corridor

## ◆ Key issues

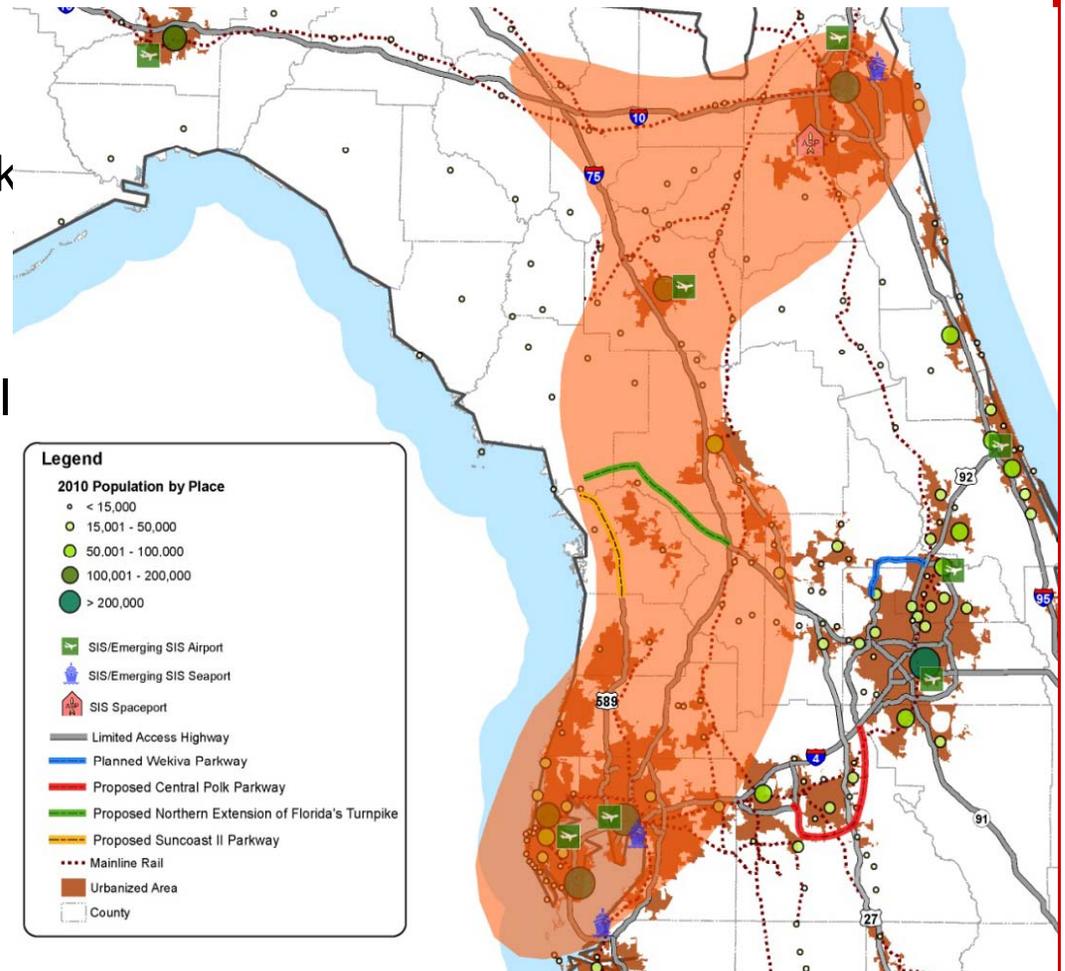
- ✓ Safety
- ✓ Congestion
- ✓ Emergency evacuation
- ✓ Freight mobility
- ✓ Interregional connectivity



# Example: I-75 Relief and the Tampa Bay- Jacksonville Corridor

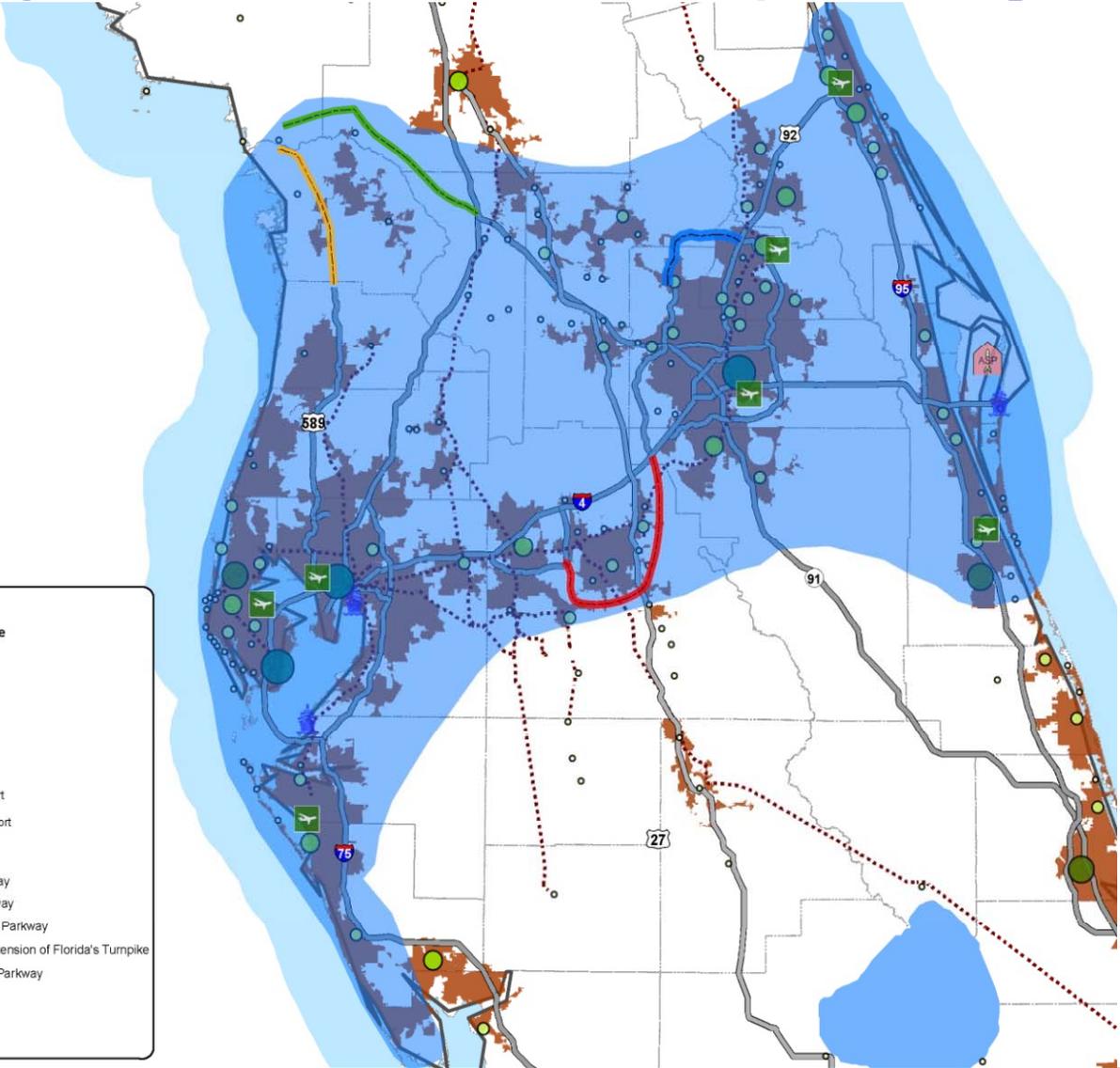
## ◆ Potential solutions

- ✓ I-75 managed lanes/truck only lanes
- ✓ Enhanced rail system
- ✓ Completion of Suncoast I
- ✓ Northern Extension of Florida's Turnpike
- ✓ I-75 reliever facility from Suncoast II to Gainesville/Ocala area
- ✓ Direct connection from Gainesville/Ocala to Jacksonville





# Example: Tampa Bay-Central Florida "Super Region"



**Legend**

**2010 Population by Place**

- < 15,000
- 15,001 - 50,000
- 50,001 - 100,000
- 100,001 - 200,000
- > 200,000

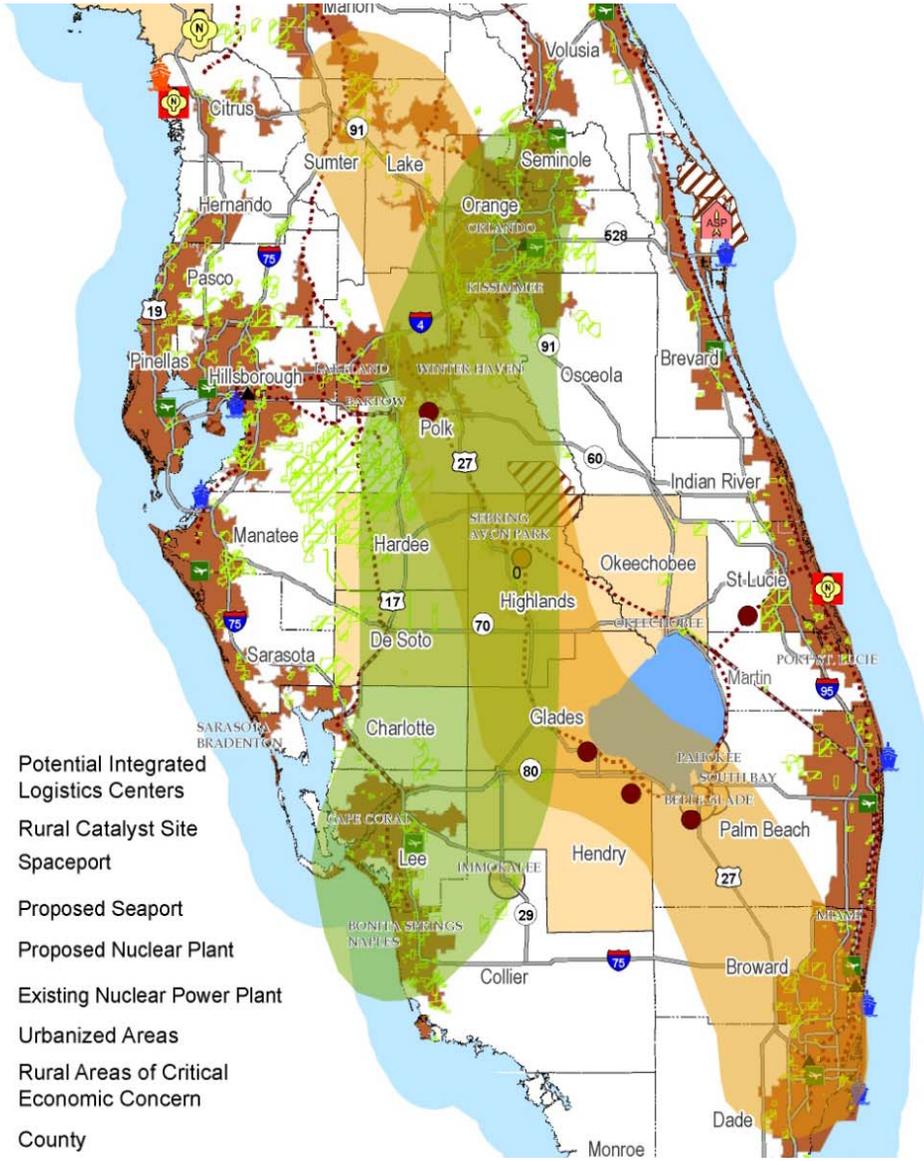
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- ⋯ Mainline Rail
- Urbanized Area
- County



# Example: Heartland Region

## Legend

-  SIS/Emerging SIS Airport
-  SIS/Emerging SIS Seaport
-  SIS/Emerging SIS Freight Terminal
-  SIS/Emerging SIS Railway
-  SIS/Emerging SIS Highway
-  Sector Plan
-  Developments of Regional Impact
-  Military Installation
-  Potential Integrated Logistics Centers
-  Rural Catalyst Site
-  Spaceport
-  Proposed Seaport
-  Proposed Nuclear Plant
-  Existing Nuclear Power Plant
-  Urbanized Areas
-  Rural Areas of Critical Economic Concern
-  County



## *What's Been Accomplished?*

- ◆ Completed alternatives analysis and implemented managed lanes on I-95
- ◆ Continue to conduct alternatives analysis on I-75
- ◆ Initiated alternatives study on US 27
- ◆ Initiated state agency coordination group (DEO, DEP, FWCC, DACS, etc.)
- ◆ Briefed Governor's Office and Florida Transportation Commission on proposed approach
- ◆ Assembled demographic and economic data and prepared technical tools for corridor studies



## *What's Next?*

- ◆ Support statewide and regional visioning/strategic planning
- ◆ Conduct partner and public outreach
- ◆ Outreach to major landowners and utilities
- ◆ Prepare any necessary enabling legislation for 2013 Legislative Session
- ◆ Develop concept reports for priority study areas
- ◆ Initiate project development and environmental studies on selected segments



*Questions?*



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- ◆ Florida's Growing Travel Demand
- ◆ Florida's Transportation Vision for the 21<sup>st</sup> Century
- ◆ Florida's Future Transportation Corridors
- ◆ **Post-Legislative Update**
- ◆ 2010 Census, Regional Governance



## *Post-Legislative Update*

- ◆ FDOT budget: \$8.2 billion
- ◆ 5-year Work Program: \$34.6 billion  
(2012-13 through 2016-17)
- ◆ Department's package passed in two separate bills:
  - ✓ HB 599
  - ✓ SB 1998



## *Post-Legislative Update - Funding*

- ◆ \$200M annually from automobile license fees to STTF
- ◆ FY 2012-13: these funds directed to General Revenue
- ◆ Beginning in 2013-2014, annually for up to 30 years:
  - ✓ \$10M – Seaport Investment Program
  - ✓ \$35M – Turnpike (facilitate access to existing turnpike sys)
- ◆ Beginning in 2013-2014 and annually thereafter:
  - ✓ \$10M – Transportation Disadvantaged Trust Fund
  - ✓ \$10M – Small County Outreach Program
  - ✓ Remaining funds: existing or planned strategic transportation projects



## *Post-Legislative Update - Seaport Provisions*

- ◆ FSTED Program funding increased
  - ✓ From \$8M to \$15M beginning in 2012-13
- ◆ Creates the Strategic Port Investment Initiative
  - ✓ Minimum \$35M per year beginning in 2012-13
  - ✓ FDOT with ports: strategic investment projects priority list
- ◆ Statewide Seaport and Waterways System Plan
  - ✓ FDOT develops in coordination with ports, other partners
  - ✓ Includes 5, 10, 15 and 20 year needs for seaport system (seaport, waterway, road, and rail projects)



# *Post-Legislative Update - Intermodal Logistics Centers*

- ◆ Creates Intermodal Logistics Center (ILCs) Infrastructure Support Program
  - ✓ Up to \$5M annually beginning in 2012-13
  - ✓ For roads, rail facilities, or other means for moving goods through a seaport
  
- ◆ Designates planned facility as SIS upon request, if:
  - ✓ Meets definition of ILC in s. 311.101(2), F.S.
  - ✓ Designated as ILC in local comp plan/develop order
  - ✓ Meets FDOT designation criteria (under development)



## *Post-Legislative Update - Highway Provisions*

- ◆ Authorizes FDOT: managed lanes beyond I-95 Express
- ◆ Authorizes FDOT to establish tolls on certain facilities:
  - ✓ Lanes added to existing limited access facilities on SHS
  - ✓ New/replacement of major bridges on SHS over waterways
- ◆ Authorizes FDOT and expressway authorities to designate the use of shoulders for vehicular traffic
- ◆ “Sunsets” FIHS, now SIS highways



# *Post-Legislative Update - Freight Planning*

- ◆ Freight Mobility and Trade Plan
  - ✓ FDOT develops in coordination with partners/stakeholders
  - ✓ Enhance transportation system integration/connectivity across/between modes across the state
    - Increase trade through state's seaports/airports
    - Increase development of ILCs/manufacturing industries
    - Energy policies to reduce transportation costs for businesses and residents
  - ✓ Due July 1, 2013
- ◆ Give emphasis to freight issues/needs in statewide transportation plans, including FTP & SIS Plan

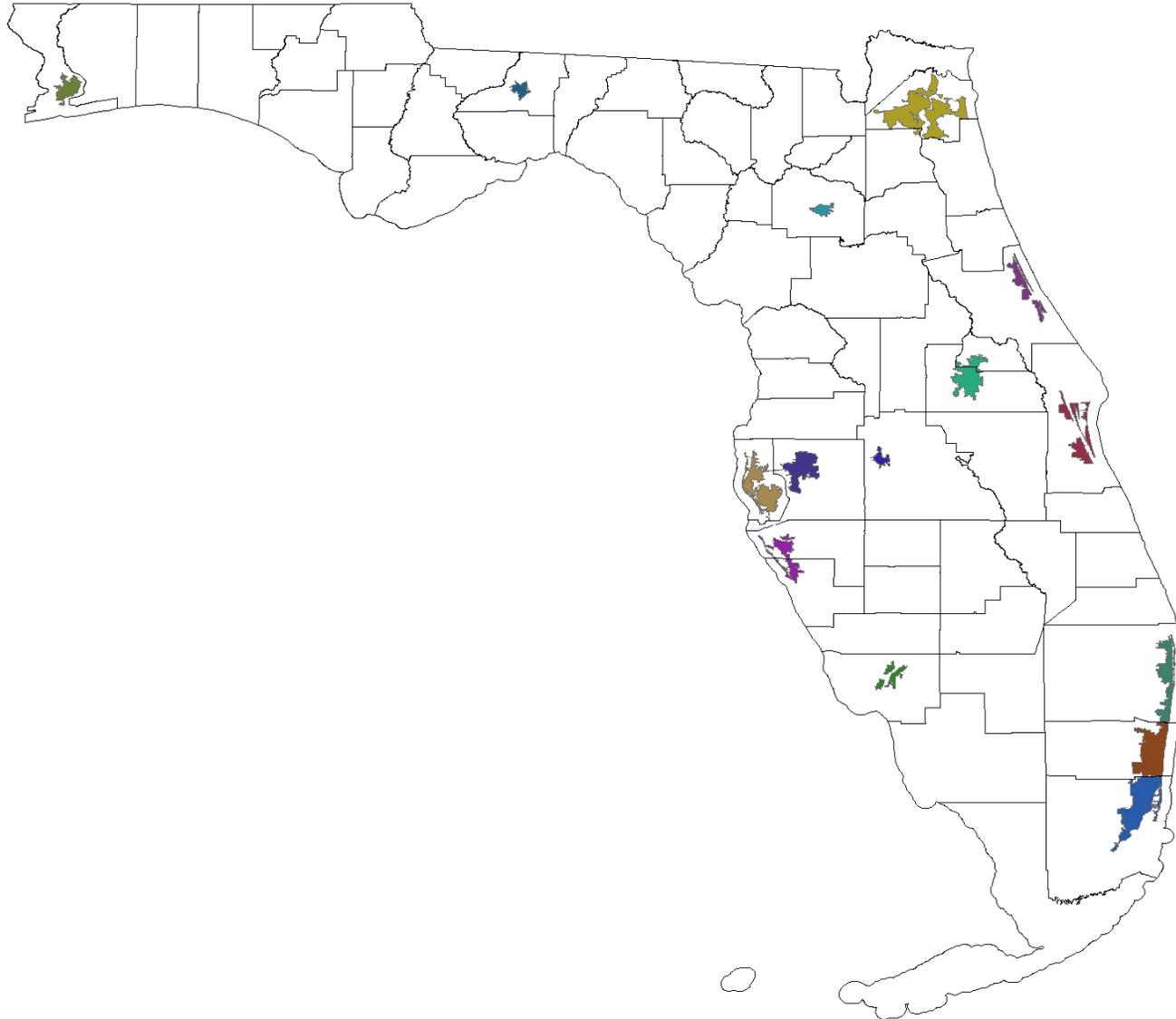


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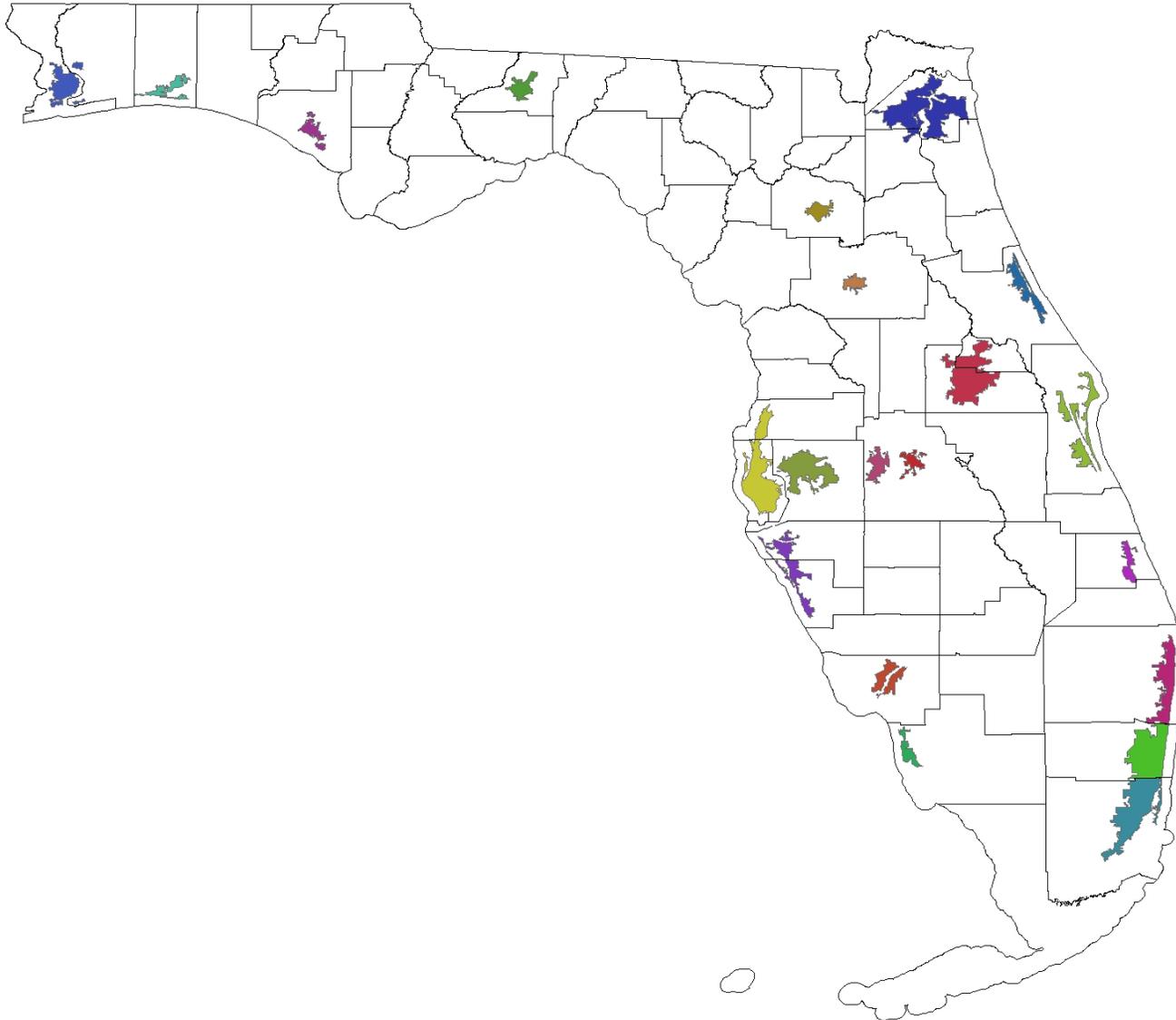
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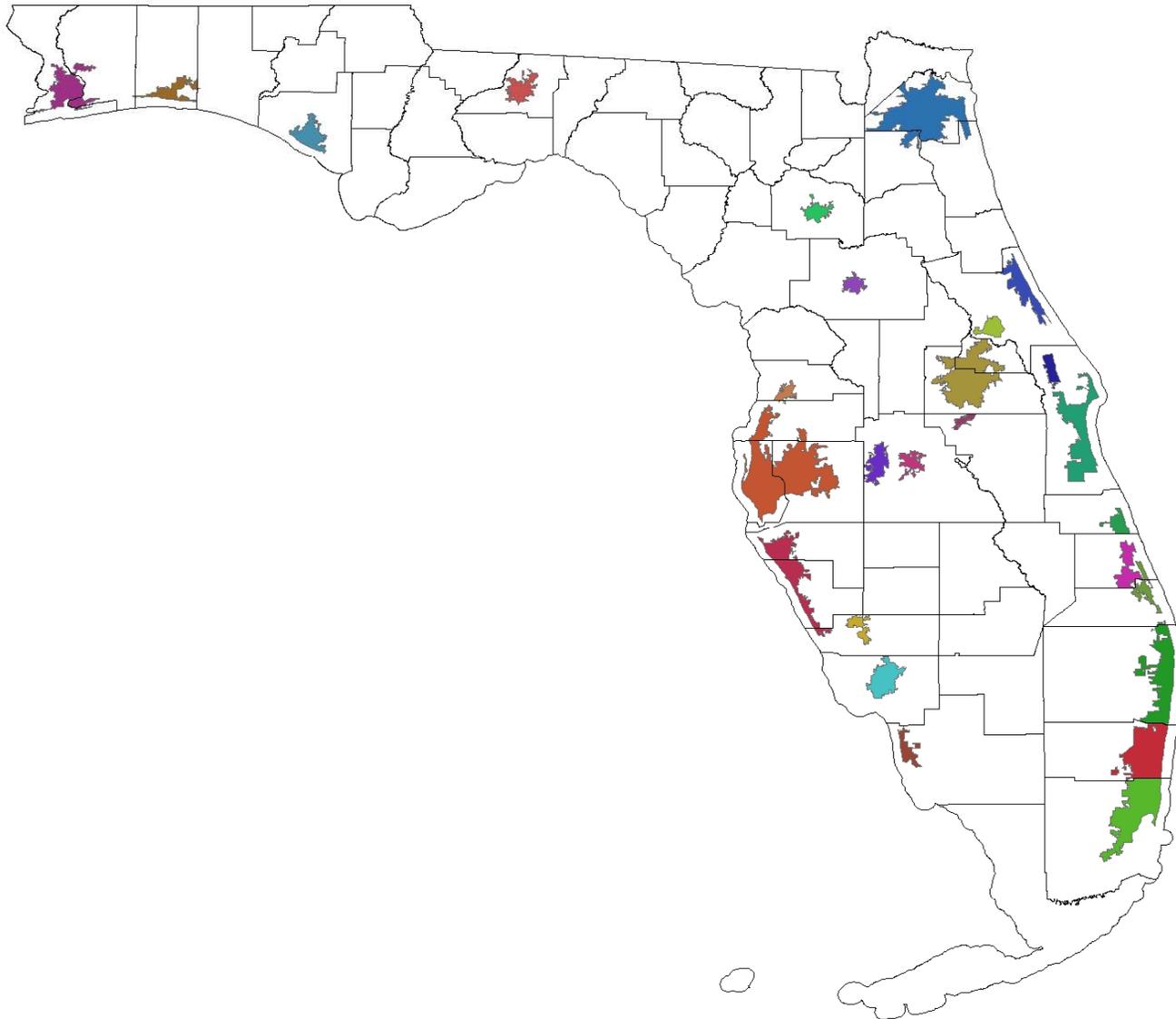
# Florida Urbanized Areas – 1970



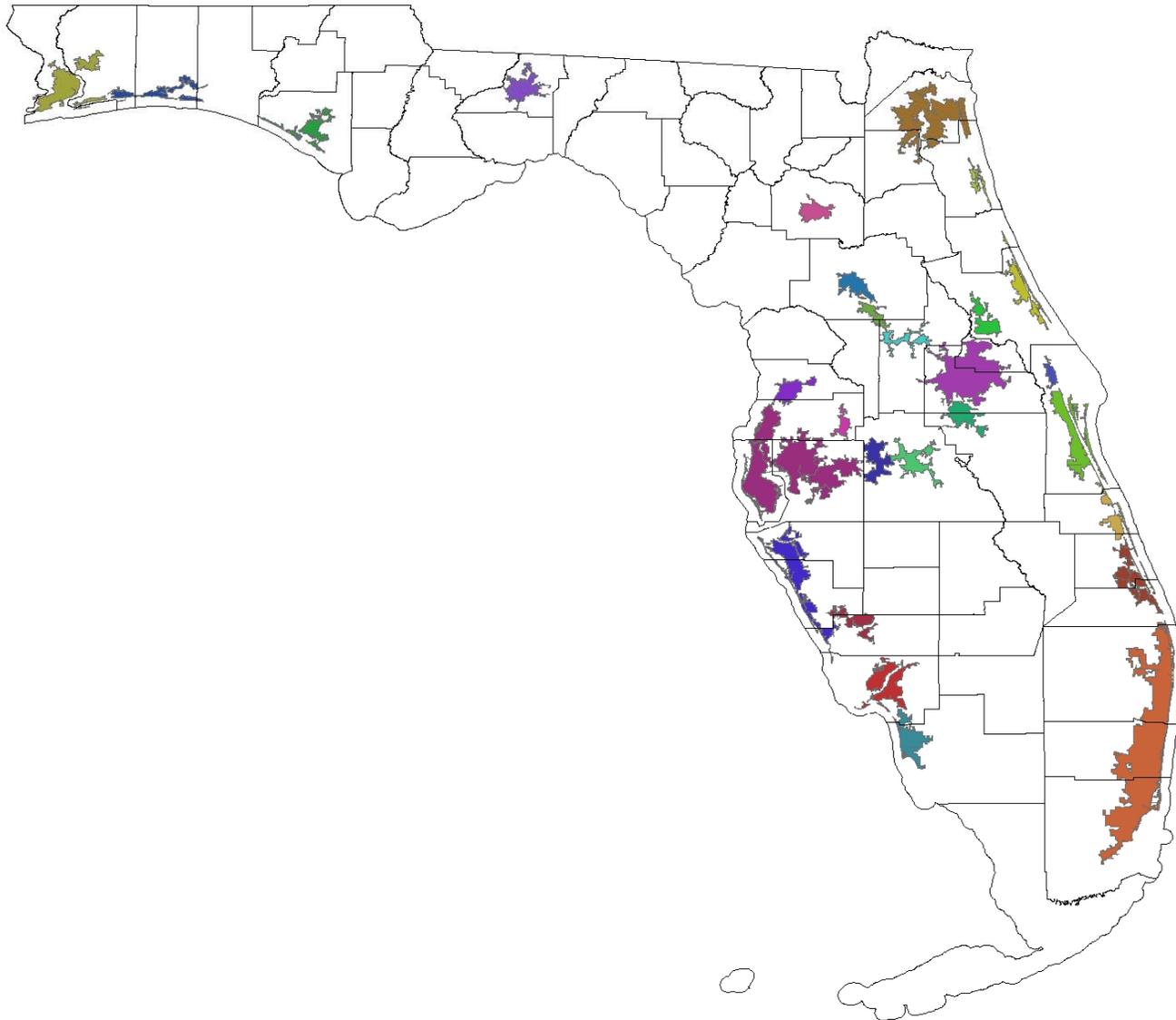
# Florida Urbanized Areas – 1980



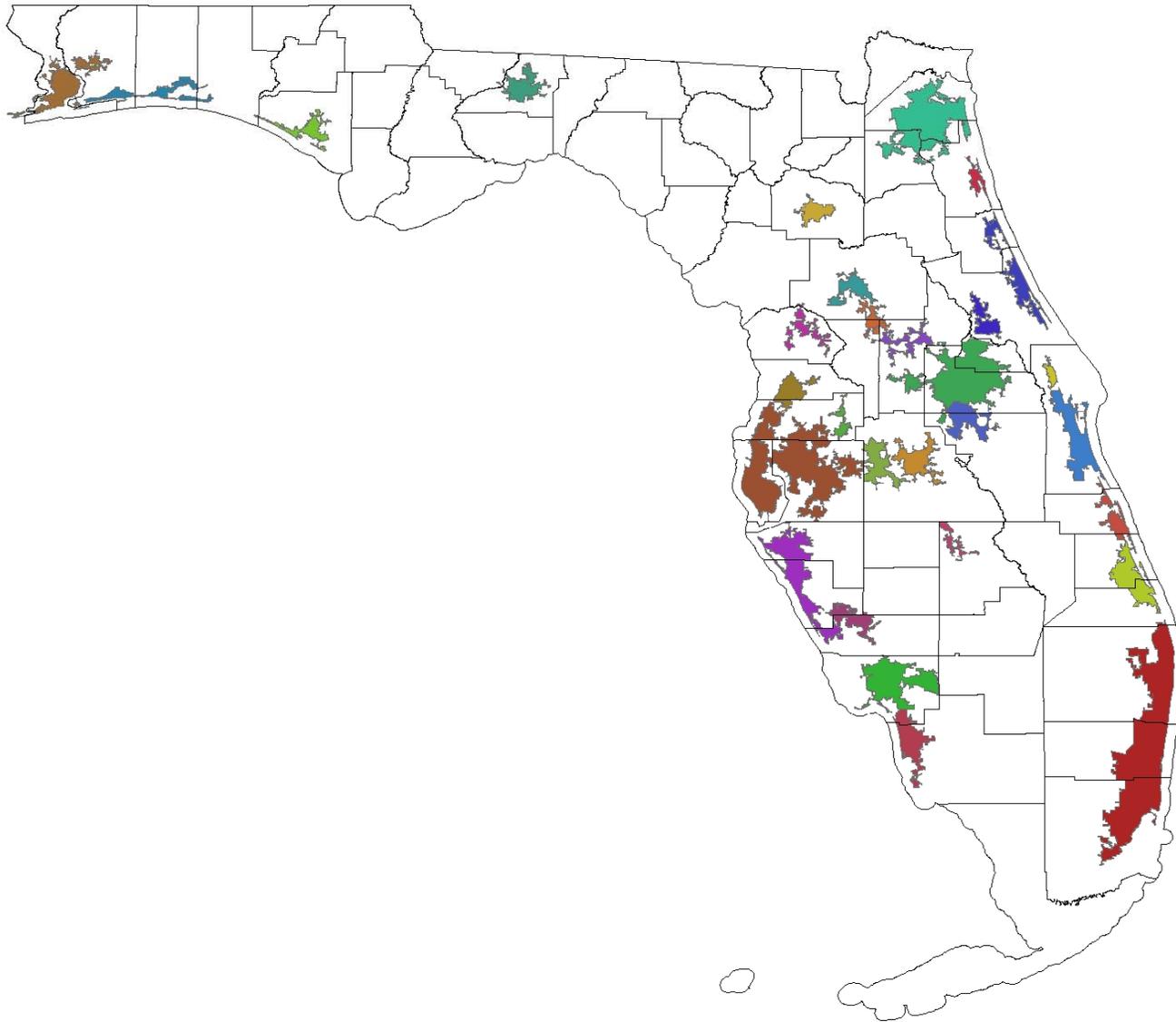
# Florida Urbanized Areas – 1990



# Florida Urbanized Areas – 2000



# *Florida Urbanized Areas – 2010*



## *Highlights: Florida's 2010 Urbanized Areas*

- ◆ Continuing growth pattern, urbanized areas:
  - ✓ Growing, expanding
  - ✓ Especially along coastline, major corridors
  
- ◆ Two new urbanized areas:
  - ✓ Homosassa Springs-Beverly Hills-Citrus Springs
    - Population: 80,962
  - ✓ Sebring-Avon Park
    - Population: 61,625



## Next Steps

- ◆ After each census:
  - ✓ New urbanized areas – MPOs designated to represent
    - Can be existing MPOs
  - ✓ Existing MPOs – review planning boundaries, voting membership, etc.
  - ✓ Governor reviews MPO membership, reapportions it as needed to conform to state law
  
- ◆ Upcoming topics for discussion:
  - ✓ Have existing MPOs represent two new urbanized areas
  - ✓ Should some existing MPOs merge?
  - ✓ Enhance regional transportation planning/priority setting?



# *Questions?*

For more information:

[www.dot.state.fl.us](http://www.dot.state.fl.us)

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[www.dot.state.fl.us/planning/policy/corridors](http://www.dot.state.fl.us/planning/policy/corridors)

[www.dot.state.fl.us/PublicInformationOffice/legislativeprograms.shtm](http://www.dot.state.fl.us/PublicInformationOffice/legislativeprograms.shtm)

