Southeast Florida Freight and Goods Movement Update

Treasure Coast Regional Planning Council
September 16, 2011

For Questions on this Presentation, Please Contact:
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Florida’s transportation system in 2060 will be as profoundly different as today’s system is from the one 50 years ago, including:

- A statewide, multimodal transportation system which supports Florida’s economic and livability goals by providing better connectivity to both urban and rural areas;
- Greater reliance on public transportation systems for moving people, including a statewide passenger rail network and enhanced transit systems in Florida’s major urban areas;
- A statewide, multimodal system of trade gateways, logistics centers, and transportation corridors to position Florida as a global hub for commerce and investment;
- An evolving air and space transportation system enabling Florida to remain a global leader for moving people and cargo between Florida and destinations in other states, nations, and orbit; and
- A new generation of infrastructure, vehicles, fuels, and technologies to enable travel with fewer crashes, reduced delay, and fewer emissions.
Presentation Outline

PROJECTS

• FDOT Planning Projects related to SFILC
• SE FL Seaport/Intermodal Projects State Funding
• ILC/Freight Development Activity

POLICY

• FDOT Statewide Planning
• Regional Planning Efforts
• Florida Chamber Statewide Trade Flow Study

MOVING FORWARD TOGETHER
FDOT Planning Projects related to South Florida Intermodal Logistics Center

- **Technical assistance for the Port of Palm Beach**
- **2006 Inland Port Feasibility Study** – FDOT Central Office PTO Planning Funds

  **Key Findings:**
  - There is significant support for development that would accompany an inland port facility; that is, distribution centers, warehouses, trucking facilities and amenities, and other light industrial uses.
  - The state should work with local and regional partners to further investigate the viability of a regional mixed use freight hub.
  - A detailed market analysis is needed.
FDOT Planning Projects related to South Florida Intermodal Logistics Center (continued)

- 2007 South Florida Intermodal Logistics Center Market Analysis - Legislative Appropriations Bill
  [http://www.dot.state.fl.us/seaport/pdfs/POPB_ILC%20Marketreport_FINAL.pdf](http://www.dot.state.fl.us/seaport/pdfs/POPB_ILC%20Marketreport_FINAL.pdf)

Key Findings:
- There exists a demand for 40 million to 110 million square feet of additional distribution center space in the Palm Beach/Southern Florida effective hinterland. The key factors that will drive the development of the DC space are:
  - Land prices;
  - Rental rates;
  - Inland trucking costs;
  - Rail and highway access;
  - Availability of labor; and
  - Availability of transportation equipment.
FDOT Planning Projects related to South Florida Intermodal Logistics Center (continued)

- 2008 US 27 Rail Preliminary Assessment Assessment Study - Legislative Appropriations Bill


- The Draft Preliminary Assessment Report concluded that 10 alternative alignments are do not have fatal flaws, based on a macroscopic qualitative assessment. Further development must include analysis of, but not be limited to, physical alignments, typical engineering cross sections, quantification of demand, funding sources, types of cargo handled, environmental impacts, and existing rail system enhancement requirements.

- Operations?
- Cost?
Map of Southern Alternatives
Map of Northern Alternatives – US 27 Freight Rail
FDOT Planning Projects *underway* related to South Florida Intermodal Logistics Center (continued)

2009 Legislative Appropriation
- Inter-regional Transportation Infrastructure Needs Study
- ILC Development broad impacts to transportation infrastructure
- Multi-dimensional – Truck and Rail Impacts
  - With ILC, without ILC
  - With US 27 Rail, without US 27 Rail
  - No first Port of Call Asian Trade/Business as Usual
  - First Port of Call/Regional Trade
  - First Port of Call/New Discretionary Trade
FDOT Planning Projects *underway* related to South Florida Intermodal Logistics Center (continued)

2009 Legislative Appropriation

- US 27 Planning and Conceptual Engineering Study

  Investigate the technical and economic feasibility of developing the US-27 corridor to accommodate multimodal options, including rail and highway modes of transportation.

  - investigate the feasibility of a potential rail by-pass to the west of the densely populated urban areas along the eastern seaboard
  - identify conceptual engineering alternatives, and to conduct a preliminary assessment of the potential impact of the alternatives upon the surrounding environment
  - the study will also address the ultimate development of US-27 to accommodate future regional travel demand, in a manner consistent with Strategic Intermodal System (SIS) highway standards.
  - Completed Selection/Negotiation, complete in 18 months
Major SE FL Seaport Intermodal Projects

Port of Miami

- Port Tunnel
  - Construction underway to connect the Port with I-395

- On-Port Rail
  - Re-construction of on-port rail and repair of bridge funded by Tiger II Grant
  - FEC Railway funding line improvements connecting to Hialeah intermodal yard
  - Flagler working to develop inland port in western Miami-Dade County to serve the Port

- Deep Dredging
  - Dredging to 50 feet approved and fully funded
  - Governor Scott allocated final funding in March 2011

All anticipated to be complete and operational by 2014
Major SE FL Seaport Intermodal Projects

Port Everglades

- **On-Port ICTF Development**
  - Port Everglades is developing an on-port ICTF in its Southport complex
  - This will eliminate existing dray movements to FEC’s Fort Lauderdale and Hialeah intermodal ramps.
  - Operational by 2014.

- **South Turning Notch Expansion**
  - Port Everglades is expanding its turning notch to address navigational and berthing limits for large post-panamax vessels

- **Deep Dredging**
  - Port Everglades is pursuing approval from the USACE to dredge to - 50 feet
  - If approved the deepening could be completed by 2017, if fully funded
Major SE FL Seaport Intermodal Projects

Port of Palm Beach
- Blue Heron Blvd/Port Stacking Mitigation
- Slip 3 redevelopment and expansion – existing bulkheads in dire need of repair currently reviewing alternatives to rebuild and expand. Would allow for 2 additional ships to dock.
- New Master Plan just underway

Port of Ft. Pierce
- Spoils site purchased and ready for final Phase of Taylor Creek Dredging
- Taylor Creek Phase III fully funded
Proposed Intermodal Logistic Centers (ILCs)

- Port Everglades ICTF
  - 42 acres of ILC
- Hialeah Logistics Hub
  - 300 acres of Logistics Hub
- Palm Beach County ILC
  - 255 acres of Intermodal Rail Yard
  - 8.82 million square feet of warehouse space
- St. Lucie County ILC
  - 611 acres of Intermodal Rail Yard
  - 40 million square feet of intermodal campus, distribution center and mining.
- Glades County ILC
  - Similar footprint as St. Lucie County ILC
Truck Stop Development
Statewide Planning Efforts

- SIS Major Update completed January 2010
  - Added Rail Freight Terminals
  - Allowed for Hub to Hub connectors for drayage
  - New criteria for Emerging Seaports
- New FDOT Office of Freight and Logistics
- New FDOT Assistant Secretary Economic Development Responsibilities
- Statewide Rail Plan
- Statewide Seaport Plan
Developing Florida’s Seaport System Plan

- **Major Cargo Gateway Port (Deep Draft):**
  - Gateway for non-Florida commodities
  - Gateway for strategic Florida commodities: containers, petroleum, coal, aggregates, etc.
  - Very strong truck, rail, barge connectivity

- **Regional Cargo Gateway Port:**
  - Gateway for regional commodities
  - Special services, niche commodities
  - Effective truck, rail, barge connectivity

- **Major Cruise (>1,000,000 /yr):**
  - Strong auto/transit/air connectivity
  - Strong truck connectivity for provisioning
Florida’s Freight Regions
Southeast Florida Regional Freight Taskforce established in 2002
SE Florida Regional Freight Stakeholders Taskforce

Atlantic Commerce Corridor: A Project of National Significance
Accomplishments:
Truck Freight GIS Mapping Tool
Accomplishments: Atlantic Commerce Corridor

Atlantic Commerce Corridor: A Project of National Significance
Accomplishments: High Priority Corridors

Source: Federal Highway Administration
South Florida Regional Freight Plan

A Collaboration Between:

June 11, 2010
Regional Freight Team

<table>
<thead>
<tr>
<th>ACTION ITEM DESCRIPTION</th>
<th>SHORT TERM ACTIONS</th>
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<tr>
<td>Implement a Freight Corridors Program</td>
<td>• Implement a Freight Corridors Program</td>
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<td>Intelligent Systems</td>
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<td>Regional Trade Development Strategy</td>
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<td>Grow Airport Cargo Capacity</td>
<td>• Grow Airport Cargo Capacity</td>
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<td>Grow Seaport Capacity</td>
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<td>Improve Connectivity at Key Freight Hubs</td>
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<td>Sponsor a Freight Academy Training Session</td>
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<td>Streamline Security Requirements</td>
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<td>Implement Info System for Transportation Workers</td>
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Regional Freight Team

LONG TERM ACTIONS
- Analyze Long Term Need to Mitigate Delay at RR Crossings
- Investigate Truck Only Lanes
- Encourage Growth in Rail Trade
- Expand SIS to include Private Intermodal Hubs (Complete)
- Divert Maintenance Funds to Capacity Program

ONGOING EFFORTS  Analyze Potential Innovative Financing and Dedicated Funding;  Coordinate Regional Plans with SIS, FTP 2060, HUD Grant;  Develop Comprehensive Data Collection System;  Continue to Build Political Support;  Prioritization Systems to Consider Freight Projects - SIS LRTPs;  Develop Regional Prioritization System;  Promote Green Technologies
2011 South Florida Freight Summit

- 2011 Southeast Regional Freight Summit on November 18, 2011
- Summit will be focused on executing the 2010 Regional Freight Plan
- Updates will be provided on key initiatives
- Stakeholders will be engaged in a discussion on key needs, priorities, and actions

Southeast Florida Freight Summit: Executing the Plan

The Florida Department of Transportation is hosting the 2011 Southeast Regional Freight Summit. This Summit will be focused on executing the 2010 Regional Freight Plan.

We need your input to make this a success! Please take time out of your busy schedule to join us!

The agenda will provide updates on key initiatives as well as engage stakeholders in an open discussion on key needs, priorities, and actions.

Preliminary agenda topics to include:

1) Statewide Initiatives:
   - Florida Trade and Logistics Study
   - 2010 Florida Seaport System Plan
   - 2010 Florida Rail System Plan

2) Southeast Florida Freight Action Plan Implementation:
   - Projects: Capturing New Markets
     - Status of Projects Underway
     - Programmed Projects
     - Unfunded Priorities
     - Studies
   - Funding Opportunities: Build It, Will They Come
     - Federal, State, Local, Public-Private Partnerships
   - Prioritizing the Action Plan: Focus on Success
     - Operations/Technology, Infrastructure, Economic Incentives

SAVE THE DATE!

When: Thursday, October 27, 2011, 9 am to 12 pm
Where: In Broward County To Be Determined
A New Manifest Destiny

*Florida’s International Trade Opportunities*

Future of Florida Forum 2010

John Kaliski
Cambridge Systematics, Inc.

October 12, 2010
Presentation Outline

• Global trade trends
• Florida trade today
• Opportunities for Florida
• How do we get there?
Global Trading Patterns Are

Florida Seaports Face Competition

Total Containers, 2008

Source: U.S. Maritime Administration based on PIERS data
Containerized Imports – Today

- Direct To Florida Ports of Entry
- Direct to Florida through Ports
- Intermodal Distribution to Florida
Containerized Imports – Future

Direct To Florida Ports of Entry
Direct to Florida through Ports
Intermodal Distribution to Florida
Civic and Governance Systems: Need New Planning Approach for Trade

Private Sector

Public Sector

Global

National

Region/Megaregion

Local