2040 Southeast Florida Regional Freight Plan

Presented to
Palm Beach MPO Technical Advisory Committee

Presented by
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Cambridge Systematics, Inc.

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Southeast Florida Has Made Significant Investments

- Martin Luther King Blvd
- Port of Palm Beach Slip Redevelopments
- SR 80 Improvements
- SR 826/836 Interchange
- Eller Drive Overpass
- 595 Truck Stop
- Port Miami Tunnel
- Port Miami Dredging
- NW 25th St Viaduct Phase II
- ICTF at Port Everglades and Port Miami
- South Port Turning Notch
- FLL Runway Extension
- Centurion’s new 800K sqft air cargo centre at MIA
Our 2014 Southeast Regional Freight Plan Update is Positioning Us for Continued Growth

• Screens regional highway network for key freight bottlenecks
• Reviews capital needs for our airports, seaports and railroads
• Provides updated list of prioritized freight needs
• Estimates economic impacts generated by the freight industry
• Summarizes and incorporates key freight and logistics initiatives to help position the region as a global logistics hub
• Tells our freight story
Freight Industry has Significant Impact on Southeast Florida’s Economy

Direct Impacts of Freight Industry in Southeast Florida, 2012

<table>
<thead>
<tr>
<th>Metric</th>
<th>For-Hire</th>
<th>In-House</th>
<th>Total Direct</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jobs</td>
<td>253,418</td>
<td>25,410</td>
<td>278,828</td>
</tr>
<tr>
<td>Labor Income (millions)</td>
<td>$18,264</td>
<td>$1,050</td>
<td>$19,314</td>
</tr>
<tr>
<td>Average Compensation</td>
<td>$72,070</td>
<td>$41,327</td>
<td>$69,268</td>
</tr>
<tr>
<td>GRP (millions)</td>
<td>$30,244</td>
<td>$1,404</td>
<td>$31,648</td>
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<tr>
<td>Economic Output (millions)</td>
<td>$51,746</td>
<td>$3,503</td>
<td>$55,250</td>
</tr>
</tbody>
</table>

Source: U.S. Census County Business Patterns, IMPLAN, Cambridge Systematics.

Freight Jobs by Industry Sector in Southeast Florida, 2012

Source: U.S. Census County Business Patterns, IMPLAN, Cambridge Systematics.
MPOs are Stepping Up Freight Investments

- 3 MPOs are looking at new ways to invest in freight projects
  - Palm Beach MPO has a freight commitment of $1.3B in its 2040 LRTP Update for highway projects that benefit freight mobility (including major state investments)
  - Broward MPO has a freight commitment of $338M in its 2040 LRTP Update for highway projects that benefit freight mobility (excluding major state investments)
  - Miami-Dade MPO has a freight set aside of $127M in its 2040 LRTP Update specifically for freight only projects (quick fix, low cost) and over $3B in highway capacity projects that benefit both freight and passenger mobility

<table>
<thead>
<tr>
<th>2040 Freight Set Aside (Millions)</th>
<th>2020</th>
<th>2021-2025</th>
<th>2026-2030</th>
<th>2031-2040</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMA (5%)</td>
<td>$ 1.7</td>
<td>$ 8.4</td>
<td>$ 8.4</td>
<td>$ 16.8</td>
<td>$ 35.3</td>
</tr>
<tr>
<td>Other Arterials (5%)</td>
<td>$ 4.8</td>
<td>$ 21.5</td>
<td>$ 20.3</td>
<td>$ 44.4</td>
<td>$ 91.0</td>
</tr>
<tr>
<td>TRIP (5%)</td>
<td>$—</td>
<td>$ 0.3</td>
<td>$ 0.3</td>
<td>$ 0.6</td>
<td>$ 1.2</td>
</tr>
<tr>
<td>Total</td>
<td>$ 6.5</td>
<td>$ 30.2</td>
<td>$ 29.0</td>
<td>$ 61.8</td>
<td>$ 127.5</td>
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</tbody>
</table>
Freight Program has been Built in Cooperation with Key Partners

- Regional Freight Advisory Committee
- Stakeholder interviews
- Truck company survey
- Outreach at regional conferences and committees
Southeast Florida’s Freight Program is Consistent with Key Statewide Initiatives

- Florida’s Transportation Plan
- Florida’s Strategic Intermodal System Plan
- Florida Freight Mobility & Trade Plan
- Florida Trade and Logistics Study
Southeast Florida’s Freight System

- Expressways
- State highways
- Connectors to freight activity centers
- 3 International airports
- 3 Deep water seaports
- 3 Freight railroads
- Miami River
- New River
Truck Percent

- Trucks represent more than 5 percent of total traffic for much of the region’s state highway system.
- This percent increases as you move south into Miami-Dade County.
Southeast Florida Rail System

- Three rail operators serving the region
- Key connections planned and underway
- Possible new corridor under consideration

FREIGHT RATIONALIZATION OPPORTUNITIES Between FEC and CSX

- NORTHWOOD CONNECTION In Design Phase Thru 2014
- POMPMANO CONNECTION Not Funded
- IRIS CONNECTION In Design Phase Thru 2014

TIGER GRANTS
Port of Palm Beach is Growing

- Serves as a niche container port serving smaller ports in the Caribbean and Central America
- Infrastructures investments underway and planned to grow capacity
- Forecasts suggest steady growth for next 10 years
PortMiami Is Growing

- Economic recover underway
- Major infrastructures investments complete or underway
- Forecasts suggest doubling or tripling of cargo over 20 years
Port Everglades is Growing

- Serves as gateway for petroleum products consumed in 14 South Florida counties
- Major infrastructures investments complete or underway to grow containers, petroleum, breakbulk and cruise passenger business
- Forecasts suggest doubling of containerized cargo over 20 years
Miami International is Growing

- Major cargo investment plan largely complete
- Centurion’s new 800K sqft air cargo centre at MIA open for business
- NW 25th St Viaduct Phase I complete and Phase II under construction
- Forecasts call for significant growth over next 20 years
Truck Parking Remains a Key Consideration

- 595 Truck Stop is South Florida’s only full service facility
- Miami-Dade MPO has completed two phases of a truck parking study to identify the need for truck parking
- FDOT has study under way to investigate feasibility of full service truck stop/parking on state owned land at one identified site at the northwest corner of Turnpike and NW 12th St
- Other private developers remain interested
South Bay/Belle Glade Opportunities Include a Logistics Campus/ILC
## Needs Were Identified and Prioritized for Each Mode

<table>
<thead>
<tr>
<th>RANK</th>
<th>Facility</th>
<th>From</th>
<th>To</th>
<th>Project Type</th>
<th>Description</th>
<th>Total Points</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>SR 826/Palmetto Expressway</td>
<td>NW 87th Avenue on I-75</td>
<td>SR 836</td>
<td>Freeway Capacity Improvements</td>
<td>Add managed lanes</td>
<td>86</td>
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<tr>
<td>1</td>
<td>SR 826/SR 836</td>
<td>NW 25th Street to SW 8th Street</td>
<td>NW 87th Avenue to 57th Avenue</td>
<td>Freeway Capacity Improvements</td>
<td>Interchange/Add lanes - DT2495811</td>
<td>86</td>
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<tr>
<td>3</td>
<td>I-95 Managed Lanes System</td>
<td>South Palm Beach County Line</td>
<td>Linton Blvd</td>
<td>Freeway Capacity Improvements</td>
<td>4 Managed Lanes/widening I-95</td>
<td>85</td>
</tr>
<tr>
<td>4</td>
<td>I-95 Managed Lanes</td>
<td>I-595</td>
<td>Palm Beach County Line</td>
<td>Freeway Capacity Improvements</td>
<td>4 Managed Lanes/widening I-95</td>
<td>82</td>
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<tr>
<td>5</td>
<td>SR 826/Palmetto Expressway</td>
<td>US 27/Okeechobee Road</td>
<td>SR 874</td>
<td>Freeway Capacity Improvements</td>
<td>Interchange improvements</td>
<td>81</td>
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<tr>
<td>6</td>
<td>NW 12th Street</td>
<td>NW 107th Avenue</td>
<td>SR 826</td>
<td>Arterial Capacity Improvements</td>
<td>Widen from 4 lanes to 6 lanes, improve signal coordination</td>
<td>79</td>
</tr>
<tr>
<td>6</td>
<td>NW 20th Street</td>
<td>NW 27th Avenue</td>
<td>I-95</td>
<td>Arterial Capacity Improvements</td>
<td>Roadway infrastructure improvements</td>
<td>79</td>
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<tr>
<td>6</td>
<td>SR 826/Palmetto Expressway</td>
<td>Golden Glades</td>
<td>Dadeland</td>
<td>Freeway Capacity Improvements (Unfunded)</td>
<td>Widen from 6 to 8 lanes</td>
<td>79</td>
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<tr>
<td>6</td>
<td>Florida's Turnpike</td>
<td>HEFT</td>
<td>Griffin Road</td>
<td>Freeway Capacity Improvements</td>
<td>Improve the connections between Okeechobee Rd and Medley through a combination of bridge widening and canal improvements (NW 121 Way, NW 116 Way, NW 105 Way, NW 79 Ave)</td>
<td>79</td>
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<td>10</td>
<td>Medley Bridge/Canal Improvement Program</td>
<td>NW 121st Way, NW 116th Way, NW 105th Way, NW 79th Avenue</td>
<td></td>
<td>Corridor Traffic Ops. Improvements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>NW 25th Street</td>
<td>NW 89th Court</td>
<td>SR 826</td>
<td>Arterial Capacity Improvements</td>
<td>Widen from 4 to 6 lanes</td>
<td>78</td>
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<tr>
<td>10</td>
<td>NW South River Drive</td>
<td>NW 107th Avenue</td>
<td>NW 74th Avenue</td>
<td>Arterial Capacity Improvements</td>
<td>Expressway Conversion - Construct Grade Separated Overpasses at Major Intersections. New Interchange at NW 79th Avenue, Krome Avenue / SR-997, NW 103rd Street / NW 87th Avenue</td>
<td>78</td>
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<tr>
<td>10</td>
<td>SR 25/Okeechobee Road/US 27</td>
<td>Krome Avenue</td>
<td>NW 79th Avenue</td>
<td>Arterial Capacity Improvements</td>
<td></td>
<td>78</td>
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<tr>
<td>10</td>
<td>SR 25/Okeechobee Road/US 27</td>
<td>Krome Avenue</td>
<td>SR 826</td>
<td>Arterial Capacity Improvements</td>
<td>Conversion to limited access toll facility</td>
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<tr>
<td>10</td>
<td>SR 821/HEFT</td>
<td>Kendall Drive</td>
<td>I-75</td>
<td>Freeway Capacity Improvements</td>
<td>Widen from 6/8 lanes to 10 lanes</td>
<td>78</td>
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<tr>
<td>10</td>
<td>SR 821/HEFT</td>
<td>Eureka Drive</td>
<td>Kendall Drive</td>
<td>Freeway Capacity Improvements</td>
<td>Widen to 8-, 10-, 12-lanes plus auxiliary lanes</td>
<td>78</td>
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<tr>
<td>10</td>
<td>SR 821/HEFT</td>
<td>SW 216th Street</td>
<td>Eureka Drive</td>
<td>Freeway Capacity Improvements (Unfunded)</td>
<td>Widen from 6 to 10 lanes</td>
<td>78</td>
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<tr>
<td>10</td>
<td>Florida's Turnpike</td>
<td>Griffin Road</td>
<td>Palm Beach County Line</td>
<td>ITS Improvements</td>
<td>Implement Open Road Tolling</td>
<td>78</td>
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<td>19</td>
<td>I-95</td>
<td>South Broward County Line</td>
<td>North Broward County Line</td>
<td>ITS Improvements</td>
<td>ITS - Freeway Management</td>
<td>77</td>
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<tr>
<td>19</td>
<td>I-95</td>
<td>All I-95 interchanges in Broward County</td>
<td></td>
<td>Freeway Capacity Improvements</td>
<td>Interchange Improvements as recommended in I-95 IMP</td>
<td>77</td>
</tr>
<tr>
<td>19</td>
<td>I-95</td>
<td>South Palm Beach County Line</td>
<td>North Palm Beach County Line</td>
<td>ITS Improvements</td>
<td>ITS - Freeway Management</td>
<td>77</td>
</tr>
<tr>
<td>19</td>
<td>I-95</td>
<td>South Palm Beach County Line</td>
<td>North Palm Beach County Line</td>
<td>ITS Improvements</td>
<td>ITS - Severe Incident Response Vehicle</td>
<td>77</td>
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<tr>
<td>23</td>
<td>NW 25th Street Viaduct</td>
<td>NW 87th Court</td>
<td>SR 826</td>
<td>Arterial Capacity Improvements</td>
<td>Phase 2 - construction of Viaduct from SR 826 to NW 87th Court</td>
<td>76</td>
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<tr>
<td>23</td>
<td>SR 826/Palmetto Expressway (NB)</td>
<td>Okeechobee Road</td>
<td>NW 103rd Street</td>
<td>Freeway Traffic Ops. Improvements</td>
<td>Add 1 NB auxiliary lane</td>
<td>76</td>
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<tr>
<td>25</td>
<td>NW 21st Street/NW 32nd Avenue</td>
<td>NW 37th Avenue</td>
<td>NW 28th Street</td>
<td>Arterial Capacity Improvements (Unfunded)</td>
<td>Construct high level bridge</td>
<td>75</td>
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</tbody>
</table>
Key Strategies

- Promote economic contributions of freight and logistics industry
- Maximize use of available funding programs
- Evaluate the effectiveness of the freight system
- Support advancement of solutions for missing freight links
- Engage the freight community in the identification of freight bottlenecks
- Ensure trade and logistics remain targeted industries
- Support work force development programs
- Leverage investments through public private partnerships
- Continue to develop, test and expand pilot programs
- Monitor ILC developments and partner as appropriate
- Promote regional freight mobility
Our Ability to Incorporate Freight Priorities into Our Regional Plan is Critical to Our Future

• South Florida is home to a well established, globally competitive logistics industry

• Billions of dollars have been invested over last several years to ensure we remain competitive

• We are well positioned for significant growth as global trade patterns continue to shift

• Our economic prosperity and the sustainability of our communities will be strengthened and driven by our success as a global logistics hub
Questions?

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