SYSTEM PLANNING

C F A S P P

Continuing Florida Aviation System Planning Process
Aviation in Florida

- 8.5% of Florida’s GSP is from aviation-dependent businesses
- Both the first scheduled airline flight and the first international flight took off in Florida
- #1 state for aerospace manufacturing attractiveness
- 128 public use and 650+ private use facilities
- High return on investment
  - 2013/2014 to 2015/2016: 1.37
  - 2014/2017 to 2020/2021: 1.72
- High economic impact
  - $144.0 billion in annual economic activity
  - Supports 1.3 million jobs with an annual payroll of $44.5 billion
What Does Aviation Do in Florida?
# Florida Aviation – Something To Brag About!

<table>
<thead>
<tr>
<th><strong>Commercial Service</strong></th>
<th><strong>General Aviation</strong></th>
<th><strong>Air Cargo</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4 large hubs – more than any other state</td>
<td>10 “National” Assets – no state has more</td>
<td>#1 international cargo airport in the country</td>
</tr>
<tr>
<td>9.76% of national enplanements in 2015</td>
<td>21 designated relievers</td>
<td>4th ranked state for tonnage</td>
</tr>
<tr>
<td>Second busiest airport for international passengers in 2015</td>
<td>Home to more than 6% of the nation’s GA fleet</td>
<td>11% market share of top 10 air cargo states</td>
</tr>
<tr>
<td>Over 168 million passengers in 2016</td>
<td>Rank #1 nationally in the following certificates:</td>
<td>36% of Florida’s international trade dollars come from air cargo shipments</td>
</tr>
<tr>
<td>Some of the busiest routes in the world</td>
<td>Student pilots</td>
<td>2/3 of all perishables and 90% of all flowers imported to the U.S. come first through FL</td>
</tr>
<tr>
<td>Over 50% of Florida’s visitors arrive by air</td>
<td>Sport pilots</td>
<td>Economic impact:</td>
</tr>
<tr>
<td><strong>Economic impact:</strong></td>
<td>Airline transport pilots</td>
<td>$10.3 billion annual economic impact</td>
</tr>
<tr>
<td>$108.6 billion annual economic impact</td>
<td>Flight instructors</td>
<td>129,587 jobs, $5 billion in annual payroll</td>
</tr>
<tr>
<td>Supports 985,713 jobs, $31.0 billion in annual payroll</td>
<td>Three of the top ten airports in terms of itinerant GA operations are in FL, including #1</td>
<td></td>
</tr>
</tbody>
</table>
Today’s Flight Plan

- Introductions
- Overview of outreach
- FASP itinerary
- FASP deliverables
- Guidance, products, tools, and resources
- Next steps
FASP Goals

Provide **efficient, safe, secure, and convenient service** to Florida's citizens, businesses, and visitors.

Contribute to **operational efficiency, economic growth, and competitiveness** while remaining sensitive to Florida’s natural environment.

Support and enhance the position of **leadership and prominence** held by Florida’s aviation industry.

**Protect airspace** and promote **compatible land uses** around public airports.

Foster technological **innovation** and support implementation of **new technologies**.

Promote **support for aviation** from business, government, and the public.

Foster Florida’s reputation as a **military-friendly state**.
Overview of Outreach So Far
Florida’s airports are _______________

Amazing Dynamic ENGINE

Busy World Leaders Benchmark Changing

Dynamic ECONOMIC

EDGE Cool

Amazing Fun Diverse

Exciting Connect

Cutting Best

Changing

Nas Economic Bridge
Itinerary
FASP – Phase Overview

**Phase 1**
- State, Regional, and Local Airport Issues
- Goals, Objectives & Performance Measures
- Inventory
- Stratification Methodology Evaluation
- Regional and State Overviews
- Aviation Industry Trends
- Forecasts
- Demand/Capacity
- SSGAT Update

**Phase 2**
- Data Collection (Additional)
- Existing System Evaluation (Baseline Performance Measurement)
- Future System Needs (including Updated Forecasts)
- Alternative Scenarios
- Recommendations
- Public Engagement Mechanism (CFASPP Website Update)
- Final Deliverables

**Meetings/Coordination**
- FAA » FASP Review Team (FASPRT) » Comprehensive Review Team (CRT)
- Other FDOT Representatives » MPOs
## Progress of the FASP

<table>
<thead>
<tr>
<th>Still at the gate</th>
<th>On short final</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommendations</td>
<td>Analysis of existing intermodal connectivity</td>
</tr>
<tr>
<td>Final deliverables</td>
<td>Analysis of historical SIS-funded projects</td>
</tr>
<tr>
<td></td>
<td>Air Service and Air Cargo Studies review</td>
</tr>
<tr>
<td>Cleared for departure</td>
<td>Mapping analysis</td>
</tr>
<tr>
<td>Future system needs</td>
<td></td>
</tr>
<tr>
<td>ID alternative scenarios</td>
<td></td>
</tr>
</tbody>
</table>

**Enroute**

- Data collection
- Establish PM/PI baseline
- ID demand drivers
- Apply SSGAT to JACIP
30 minute drive time buffers around airports with ATCTs

≈90% of FL population is within a 30 minute drive
### Analysis of SIS funds used at airports (FY13-17)

90% of SIS highway funds are programmed for managed lane projects (FY17-21)

#### Sample Deliverable

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Amount</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automated People Mover</td>
<td>$156,500,000</td>
<td>47%</td>
</tr>
<tr>
<td>Terminal</td>
<td>$90,812,200</td>
<td>28%</td>
</tr>
<tr>
<td>Runway</td>
<td>$27,774,889</td>
<td>8%</td>
</tr>
<tr>
<td>Aviation Manufacturing</td>
<td>$22,000,000</td>
<td>7%</td>
</tr>
<tr>
<td>Taxiway</td>
<td>$8,799,300</td>
<td>3%</td>
</tr>
<tr>
<td>Access Road</td>
<td>$7,553,768</td>
<td>2%</td>
</tr>
<tr>
<td>Air Commerce Park</td>
<td>$7,000,000</td>
<td>2%</td>
</tr>
<tr>
<td>Terminal Shuttle Cars</td>
<td>$5,400,000</td>
<td>2%</td>
</tr>
<tr>
<td>Cargo Facility</td>
<td>$3,031,546</td>
<td>1%</td>
</tr>
<tr>
<td>Apron</td>
<td>$1,000,000</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>$329,871,703</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Project Type</th>
<th>Amount</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managed Lanes</td>
<td>$11,162,526,000</td>
<td>90%</td>
</tr>
<tr>
<td>Add 4 to Build 6 Lanes</td>
<td>$558,236,000</td>
<td>5%</td>
</tr>
<tr>
<td>Add 2 to Build 4 Lanes</td>
<td>$193,382,000</td>
<td>2%</td>
</tr>
<tr>
<td>New Road</td>
<td>$110,124,000</td>
<td>1%</td>
</tr>
<tr>
<td>Preliminary Engineering</td>
<td>$102,150,000</td>
<td>1%</td>
</tr>
<tr>
<td>Project Dev. &amp; Env.</td>
<td>$95,482,000</td>
<td>1%</td>
</tr>
<tr>
<td>Add 2 to Build 6 Lanes</td>
<td>$67,330,000</td>
<td>1%</td>
</tr>
<tr>
<td>Add Turn Lane</td>
<td>$23,810,000</td>
<td>0.2%</td>
</tr>
<tr>
<td>Right Of Way</td>
<td>$13,594,000</td>
<td>0.1%</td>
</tr>
<tr>
<td>Add 2 to Build 8 Lanes</td>
<td>$10,266,000</td>
<td>0.1%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>$12,336,900,000</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Next Steps

- Analyze baseline performance
- Future system needs
- Identify alternative scenarios
- CRT webinar on March 1st
- We need…
  - Your data
  - Your input on the CFASPP website
  - Your review of draft deliverables
FASP Deliverables

- Technical report
- Executive summaries
- Videos
- Brochures
- Executive summary primers
How can we make your flight more enjoyable?
Florida’s airports are _________
Airport Profiles – What do you want?!
Guidance, Products, Tools, and Resources – What Else Is Needed?
Thank You
System Planning

- Florida Transportation Plan (FTP)
- Strategic Intermodal System (SIS) Plan
- FDOT Transportation Planning Exchange (TransPlex)
ASO STATEWIDE PROJECTS

CFASPP
Continuing Florida Aviation System Planning Process
ASO Projects

- Economic Impact Study update
- Air Service Study
- Air Cargo Study
- Operations Counts at Non-Towered Airports
- Airport Sustainability Guidebook
- Common Traffic Advisory Frequency (CTAF) Deconfliction

CFASPP
Continuing Florida Aviation System Planning Process
ASO Projects

• Solar-Powered Runway Lighting Monitoring Project
• Chapter 333, Florida Statutes
• Statewide Aviation Pavement Management Program
• Statewide Airfield Pavement Classification Number (PCN) Project
• Florida Aviation Project Handbook
• ASO Annual Awards Program

CFASPP
Continuing Florida Aviation System Planning Process
FDOT SPONSORED TRAINING

C F A S P P
Continuing Florida Aviation System Planning Process
FDOT Sponsored Training

- Florida Aviation Professionals Academy
- JACIP/JPM Computer Based Training
- Statewide Aviation Pavement Management Training

CFASPP
Continuing Florida Aviation System Planning Process
FDOT FUNDING PROGRAMS

C F A S P P
Continuing Florida Aviation System Planning Process
FDOT Funding Programs: SIS

• ASO project selection cycle:
  – Notification (April)
  – Review (April/May)
  – Prepare (April/May)
  – Submit (June 1st)
  – Prioritize (June)
  – Present (July 1st)
  – Select (mid-July to August)
  – Notification (September)

• New ASO project submission format:
  – New format includes:
    • Airport contact information
    • General project information
    • Is the project in the master plan, ALP, and JACIP and is it SIS eligible?
    • Project justification and support from other entities
    • Total project cost and years for which SIS funds are being requested
  – Work with your District Aviation Coordinators

CFASP
Continuing Florida Aviation System Planning Process
FDOT Funding Programs: SIB

- Revolving loan and credit enhancement program
- Supports projects with direct link between mobility and economic growth
- Loan program, NOT A GRANT
- Selection criteria
- Application and selection process

<table>
<thead>
<tr>
<th>LETTER OF INTEREST, APPLICATION, AND NEGOTIATION DATES</th>
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<tbody>
<tr>
<td>DATES ARE PRELIMINARY AND SUBJECT TO CHANGE</td>
</tr>
<tr>
<td>Letter of Interest</td>
</tr>
<tr>
<td>February 1, 2017 - April 28, 2017</td>
</tr>
</tbody>
</table>

- For more information: Jennifer G. Weeks, State Infrastructure Bank Program Manager, (850) 414-4459, jenniferg.weeks@dot.state.fl.us