ORLANDO INTERNATIONAL AIRPORT MCO

# Orlando International Airport Community Engagement

***August 23, 2023***

# State of the Airport

GREATER ORLANDO AVIATION AUTHORITY

Annual Passengers
**54.0 Million**
Daily Average **148,045**

**108 Gates**
5 Airsides

Annual Domestic Passengers
**47.6 Million**

**250,652**
short tons of Cargo

Annual International Passengers
**6.4 Million**

**GOAA General Aviation Airport**
Orlando Executive
**154,793** aircraft operations

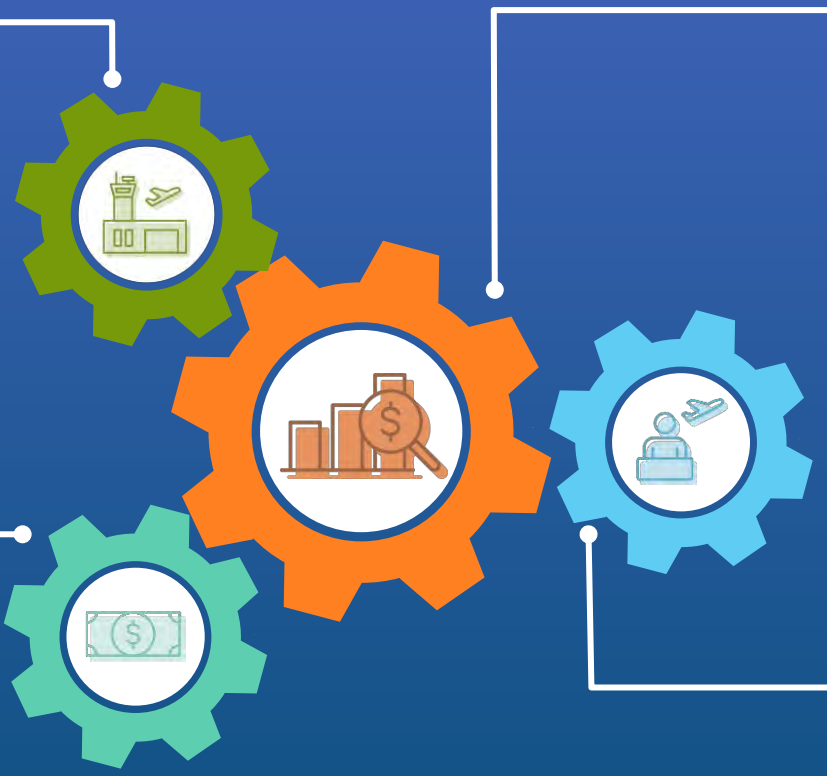
NOTE: Annual Passengers are based on rolling 12 Months ended March 2023. Cargo weight is based on CY 2022
SOURCE: Greater Orlando Airport Authority, *CY 2022 Traffic Statistic Summary, https://www.orlandoairports.net/about-us/#traffic-stastics* (accessed July 2023)

# State of the Airport – Economic Impact

GREATER ORLANDO AVIATION AUTHORITY

**9th**
Busiest Airport in the U.S.

Local Economic Impact (Output)
**$41.4 Billion**



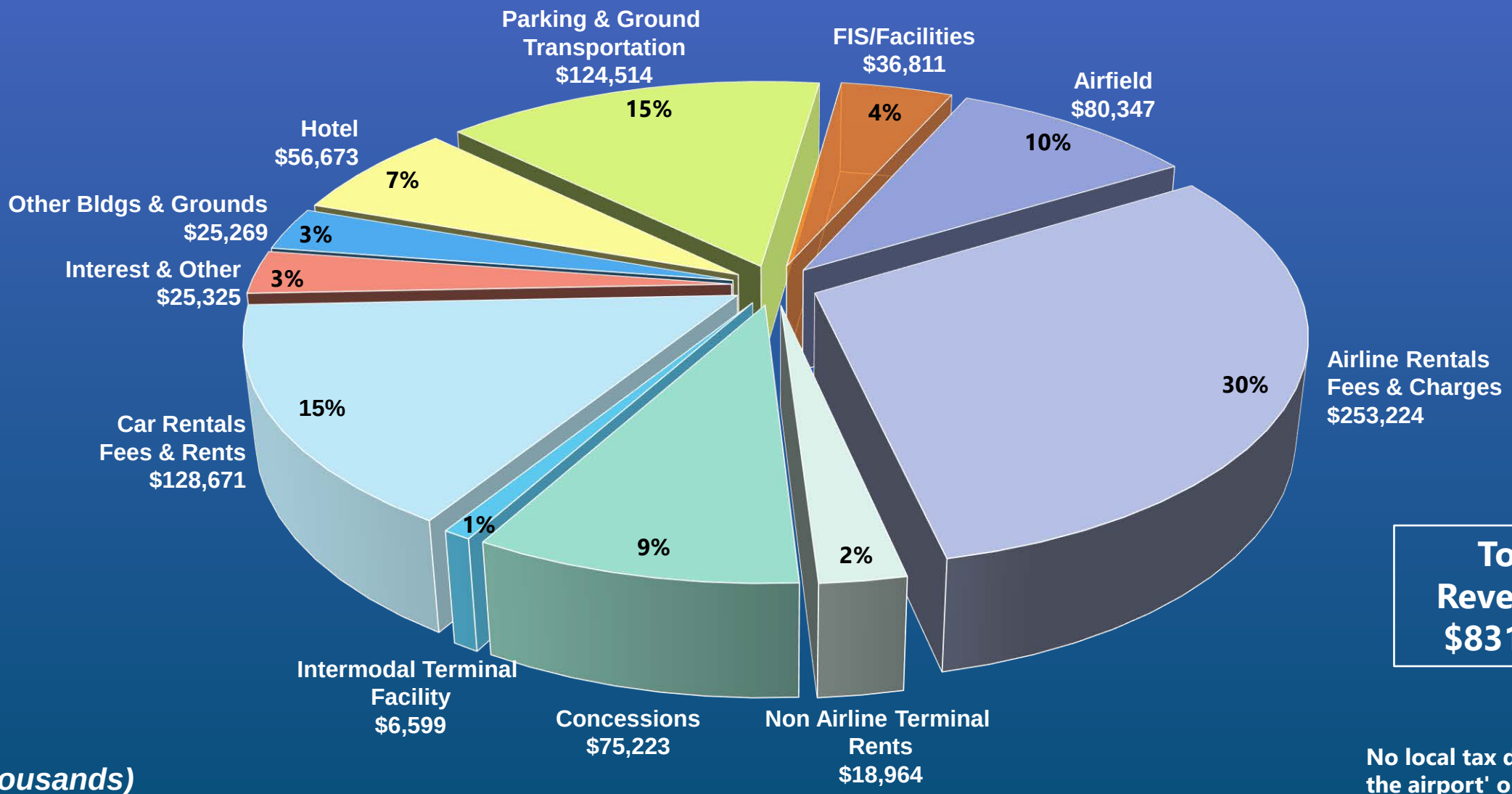
**$13.0 Billion**
in Payroll

**309,918**
Jobs supported

SOURCE: Federal Aviation Administration, *CY 2022 Commercial Service Airport,* June 22, 2023, https://www.faa.gov/airports/planning_capacity/passenger_allcargo_stats/passenger/cy22_commercial_service_enplanements (accessed July 2023); Florida Department of Transportation, *2022 Florida Statewide Economic Impact Study*, https://www.fdot.gov/aviation/economicimpact22.shtm (accessed July 2023).

# Fiscal Year 2023 Preliminary Budgeted Revenues

GREATER ORLANDO AVIATION AUTHORITY




**Total Revenues: $831,620**

*($ in thousands)*

**No local tax dollars are used in the airport' operating budget.**

# Existing Facilities

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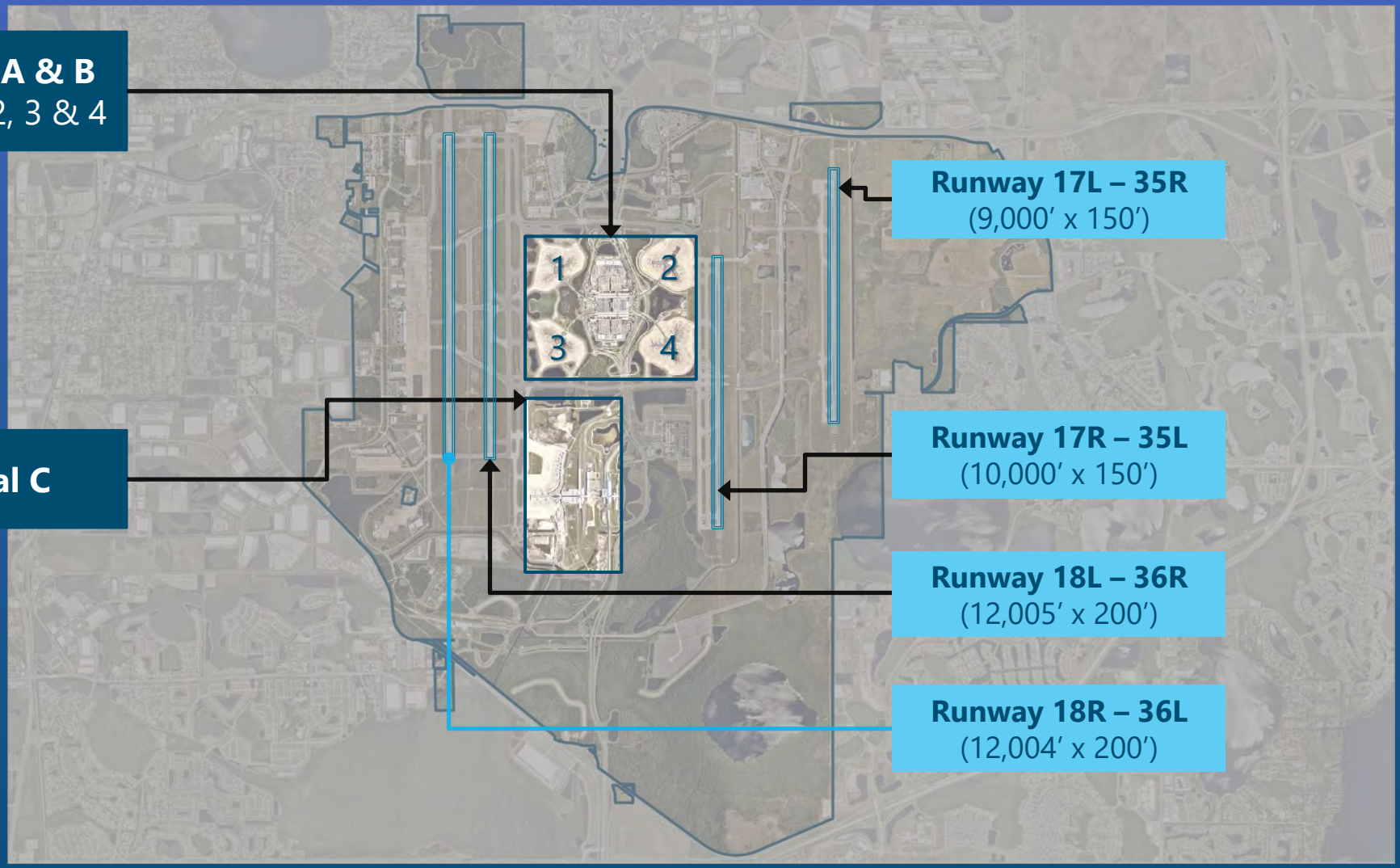

# Ongoing and Future Projects – Airfield

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**Airsides 1 and 3 Apron Rehabilitation**
Apr – Aug 2024

**Taxiways E and F Rehabilitation**
2025-2026

**New North Ramp Hardstand**
Jan 2024 – Nov 2025

**New Apron/Airfield for additional gates**
Jan 2024 – Nov 2025

**East Airfield Taxiway Rehabilitation**
Jan 2023 – Sep 2023

**Taxiways G and H Rehabilitation**
**Phases 1:** Jan 2024 – Aug 2024
**Phase 2:** Jan 2025 – Aug 2025

*Construction duration dates are listed per project

# Ongoing and Future Projects – Terminals A and B

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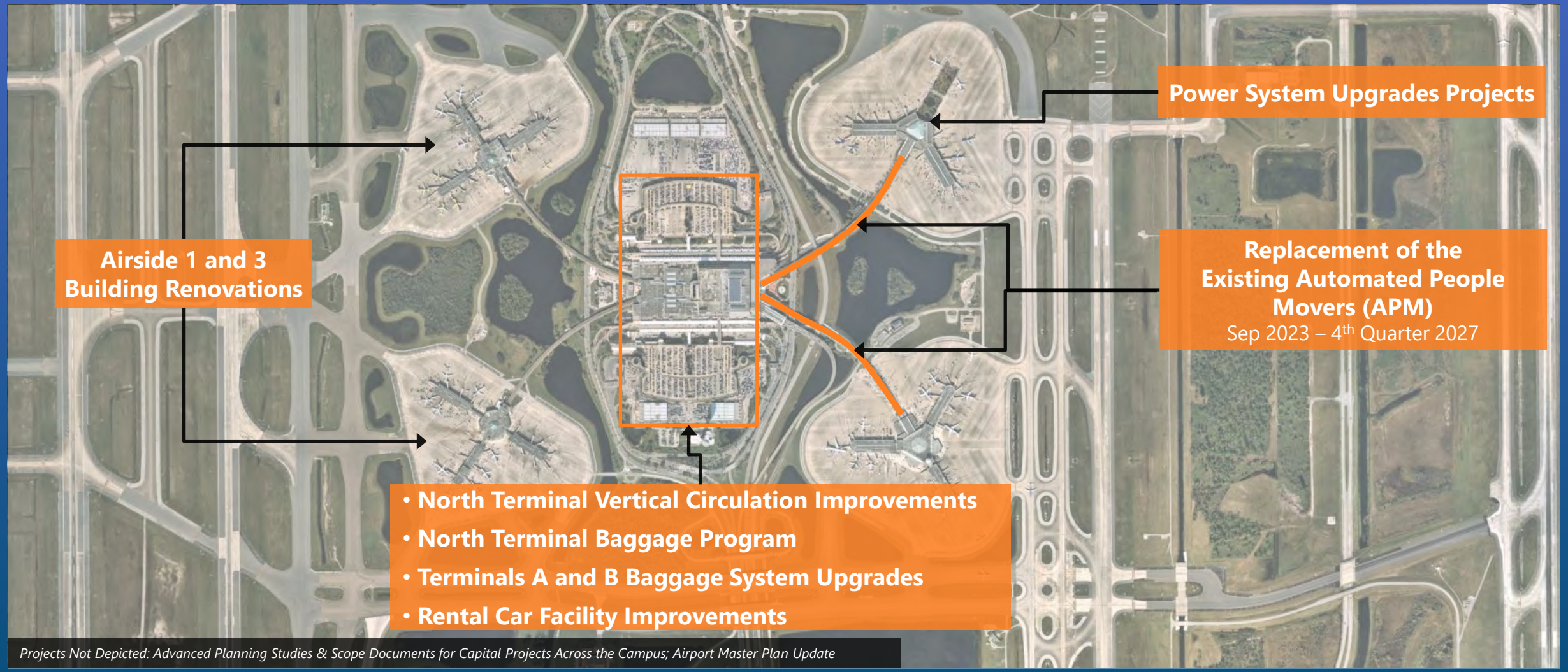


*Projects Not Depicted: Advanced Planning Studies & Scope Documents for Capital Projects Across the Campus; Airport Master Plan Update*

# Ongoing and Future Projects – Terminal C

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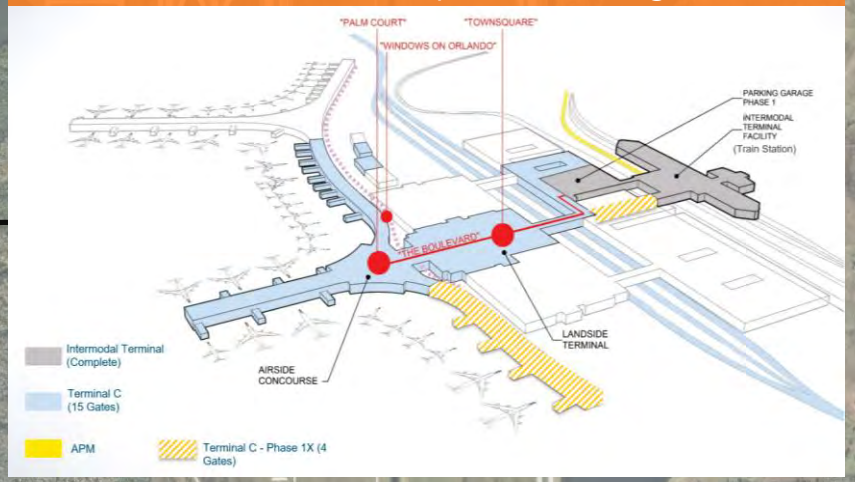
**Preliminary Design for Terminal C – Phase 2**

**South Employee Lot**
May 2022 – July 2023

**Phase 1X**
Nov 2022 – Dec 2025
- Apron and Taxiway Paving
- Four additional MARS Gates
- Multi-modal connector pedestrian Bridge




**Apron and Taxiway Paving**
Dec 2022 – Oct 2024

**Near-Term Roadway and Signage Improvements**

Runway 18R – 36L

Runway 18L – 36R

*Projects Not Depicted: Advanced Planning Studies & Scope Documents for Capital Projects Across the Campus; Airport Master Plan Update*

# Ground Transportation

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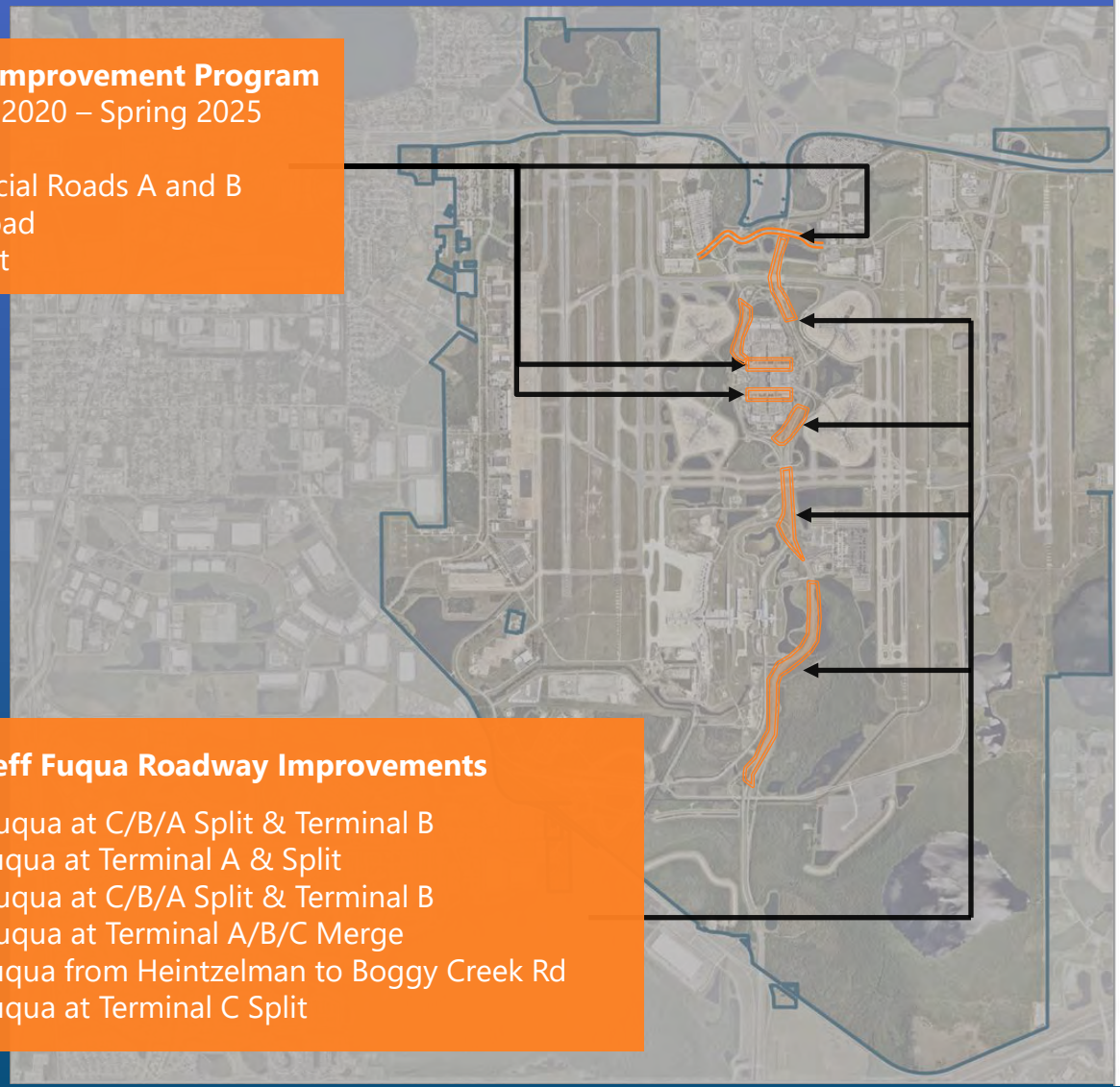
**Roadway Improvement Program**
Spring 2020 – Spring 2025

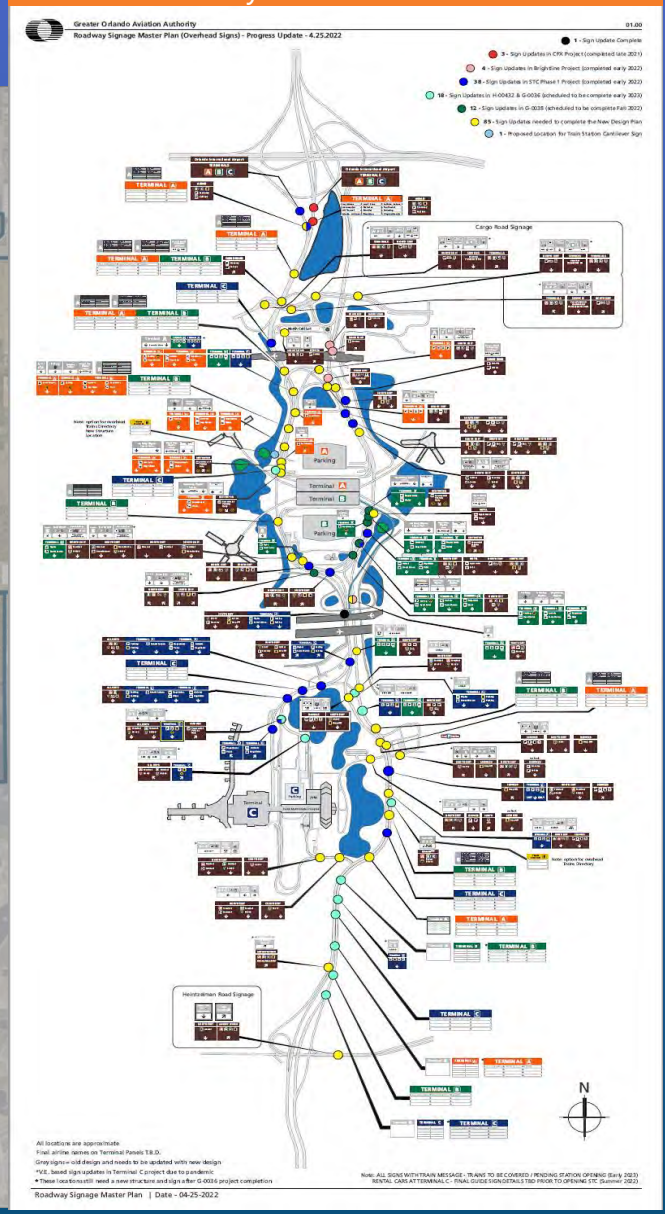
- Commercial Roads A and B
- Cargo Road
- Tradeport



**Jeff Fuqua Roadway Improvements**

- NB Jeff Fuqua at C/B/A Split & Terminal B
- SB Jeff Fuqua at Terminal A & Split
- NB Jeff Fuqua at C/B/A Split & Terminal B
- NB Jeff Fuqua at Terminal A/B/C Merge
- SB Jeff Fuqua from Heintzelman to Boggy Creek Rd
- SB Jeff Fuqua at Terminal C Split

**Roadway Signage**
Early 2022 – Fall 2025



# City of Orlando Southeast Government Services Building and Lake Nona Branch Library

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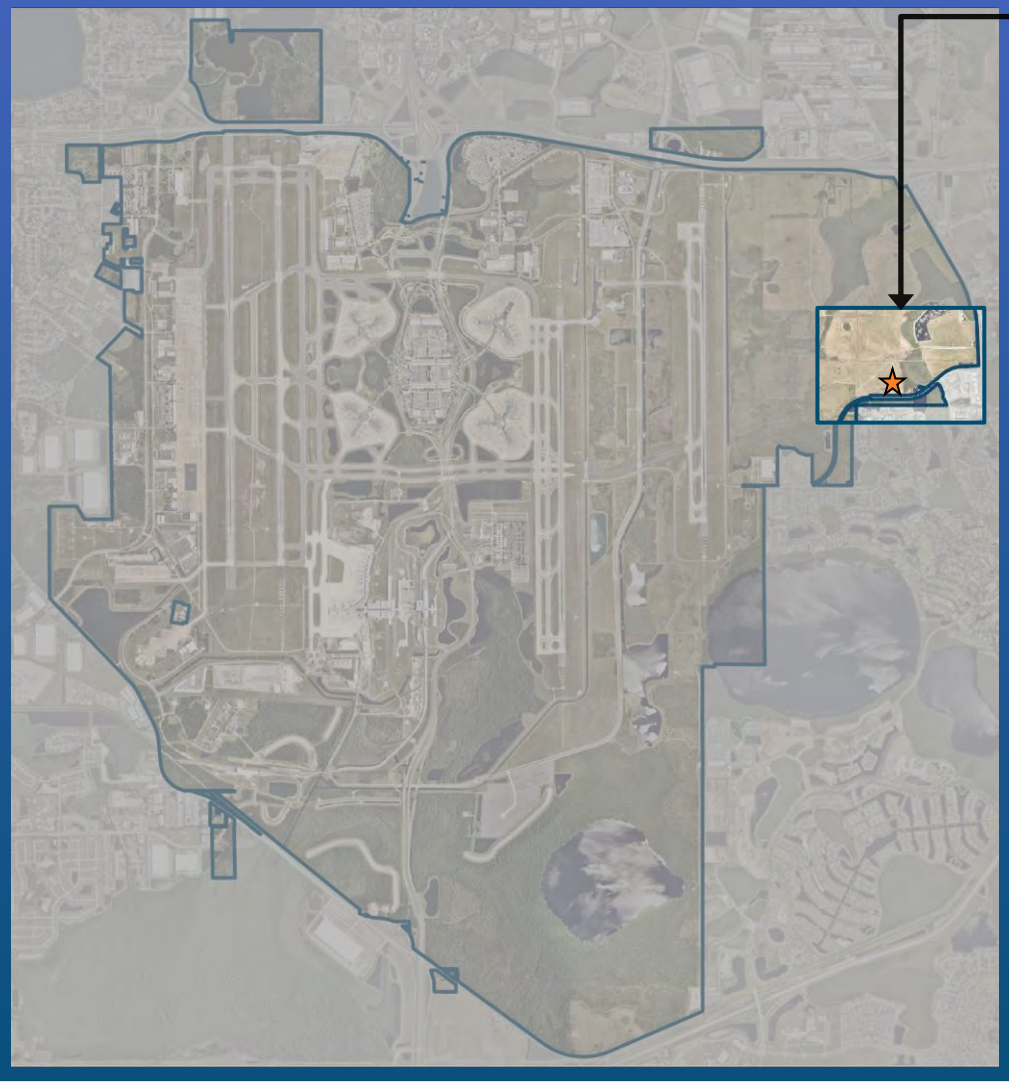
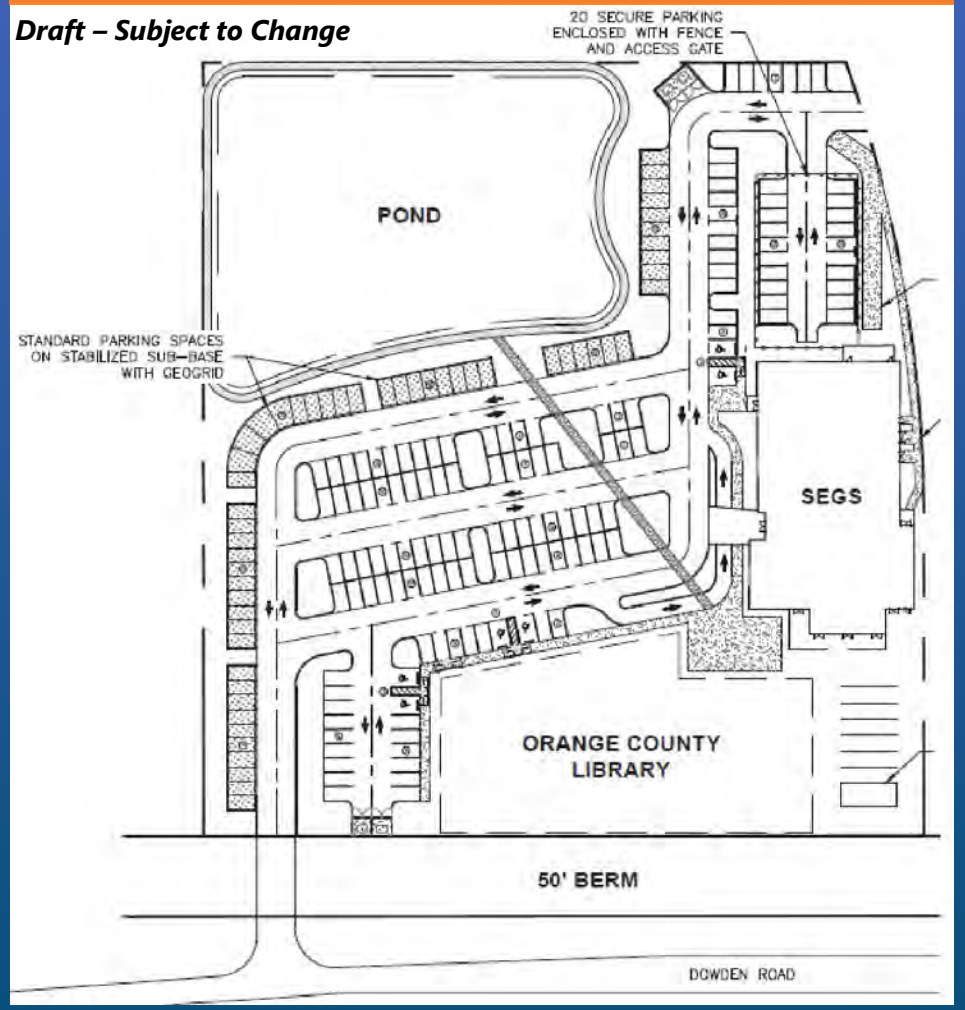


## Preliminary Site Plan – Southeast Government Services Building & Lake Nona Branch Library Building

***Draft – Subject to Change***



# 2023 Strategic Plan and Priorities

GREATER ORLANDO AVIATION AUTHORITY

## 2023 Draft Strategic Plan

### Vision Statement:

*Be the global leader in the evolution of mobility*

### Mission Statement:

*To seamlessly connect Florida and the world through exceptional experiences, collaboration, and creativity.*

### Priorities

- People
- Connection
- Community
- Innovation

### Strategic Goals

- *Be Florida's center for multi-industry innovation incubators and laboratories.*
- *Increase and diversify sustainability and resiliency programs.*

# Future Land Use Development Strategies

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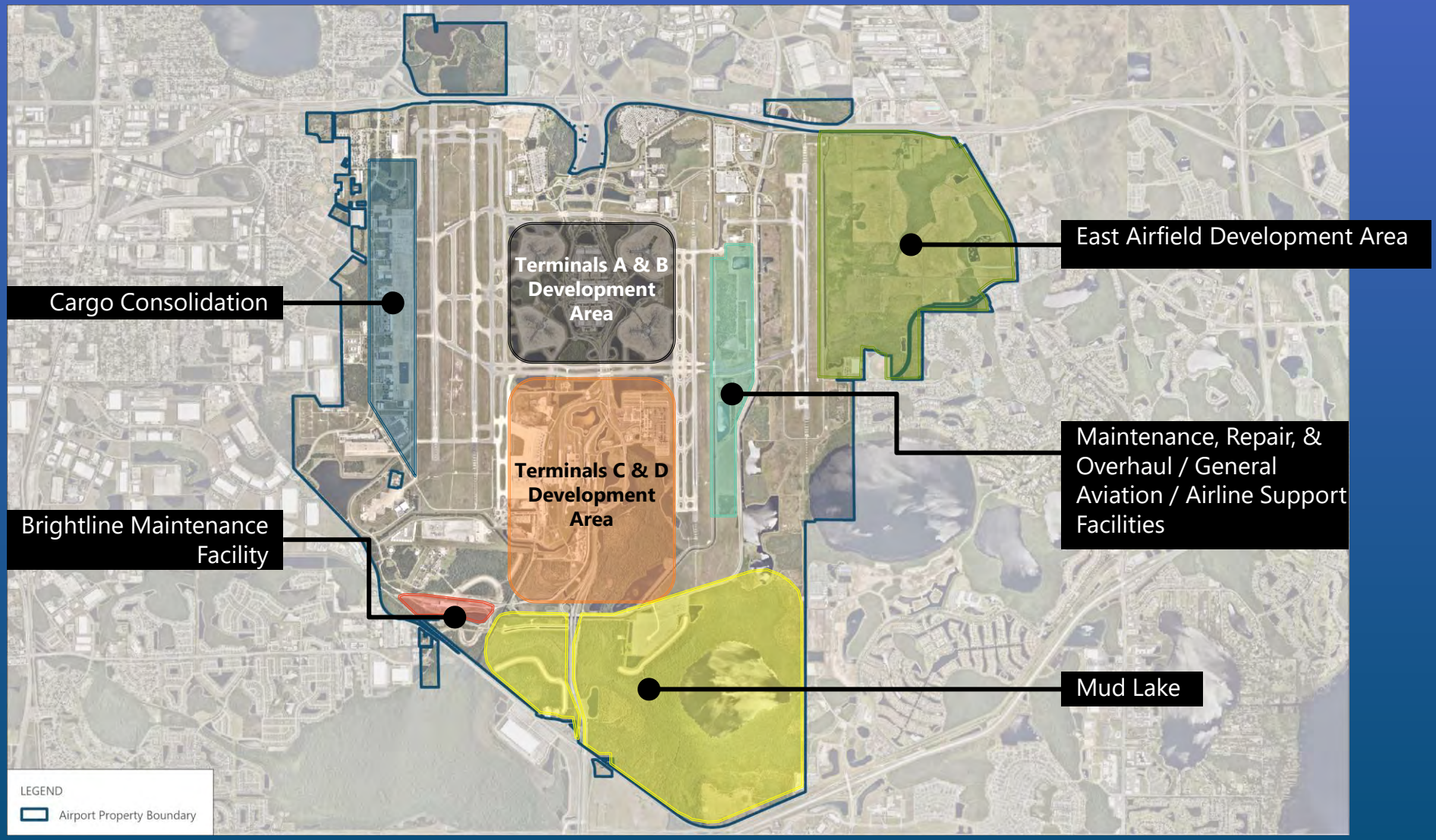

# The Future of Mobility

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Source: SunRail Photo - Artystyk386, CC BY-SA 3.0, via Wikimedia Commons

# Emerging Technologies

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- Improvement of battery capacities and efficiency
- Development of sustainable aviation fuels
- Advancement of autonomous navigation capabilities
- Operational testing of aviation technologies including airspace integration
- Enhancement of hydrogen fuel cell systems
- Digital Twins
- Development of lightweight and composite materials
- Artificial intelligence and autonomy research and development

**Draft GOAA Vision Statement:** *Be the global leader in the evolution of mobility.*

# The Future of Mobility
## *Opportunities*

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### PEOPLE

- Create new employment opportunities and high-wage jobs
- Offer training programs, workshops, and educational opportunities in various fields related to aviation and aerospace
- Serve as a hub for collaboration and knowledge sharing among researchers, engineers, aviation experts, and entrepreneurs

### CONNECTION

- Integrate new transportation options within the region and reduce travel time
- Enhance connectivity by providing seamless connections with other modes of transportation
- Establish more efficient and environmentally-friendly transportation options

# The Future of Mobility
## *Opportunities*

GREATER ORLANDO AVIATION AUTHORITY

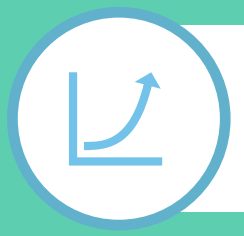
### COMMUNITY

**Garner financial investment and promote economic growth in the region**

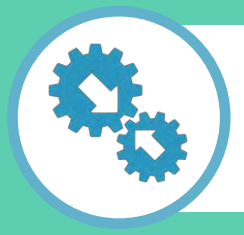
**Attract mobility companies and related industries**

**Maintain Florida's position as a top leader in transportation**

### INNOVATION



**Accelerate the development of zero-emission transportation options**



**Test the readiness for advanced technologies for integration into the existing aviation ecosystem**

**Promote collaboration among aviation, aerospace, mobility, innovation, and advanced materials industries**

# The Future of Aviation

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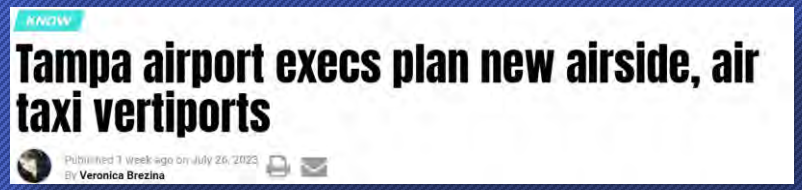



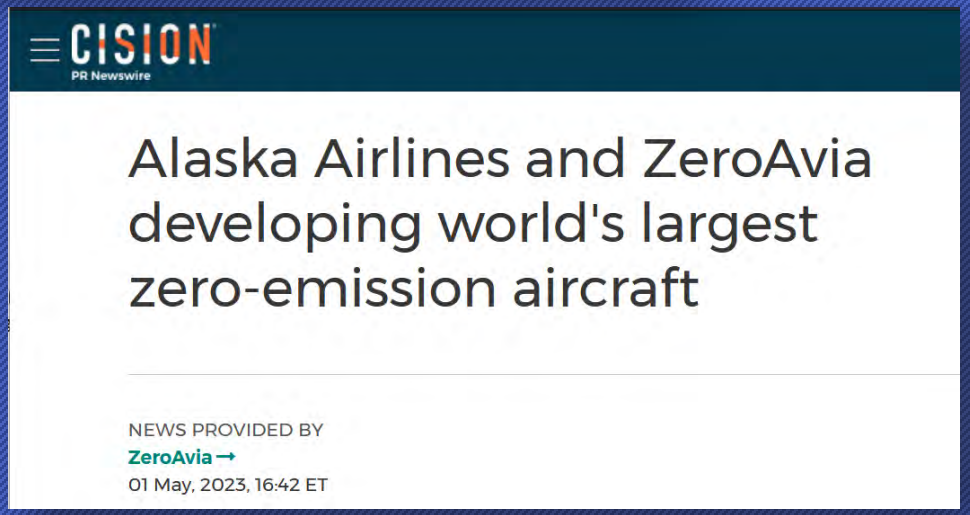


# Advanced Air Mobility

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## A Variety of Aircraft Types with Electric Motors

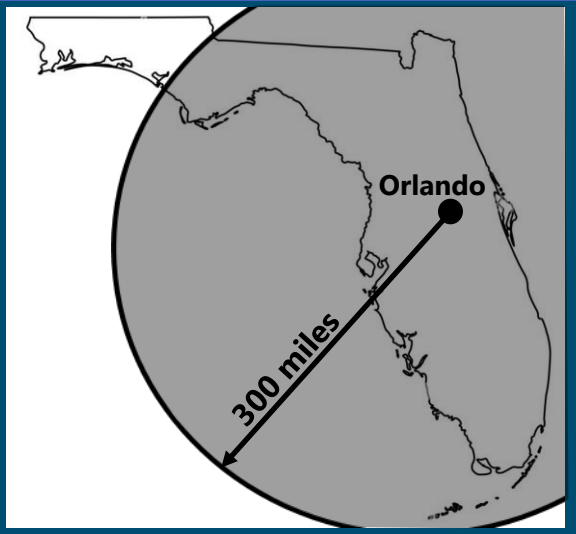






## Range:

20 to 300 miles




## Seating: up to 6 Passengers

Source: https://evtol.news/__media/Aircraft%20Directory%20Images/Lilium%207-Seater/Lilium-Jet-7-seater-6-seats-configuration.jpg

# Innovation Centers Across the Country

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Virginia Tech Innovation Campus (rendering)
*Arlington, VA*


Tulsa Innovation Labs
*Tulsa, OK*

Purdue University, Aerospace & MRO Technology Innovation Center
*West Lafayette, Indiana*


Oklahoma City Innovation District and Oklahoma State University's Unmanned Systems Research Institute, *Oklahoma City, OK*

Ohio University Innovation Center, Ohio Unmanned Aircraft Systems Center, and Aviation Innovation Technology Center
*Athens, Springfield, and Dayton, OH*

# What is the Possible?

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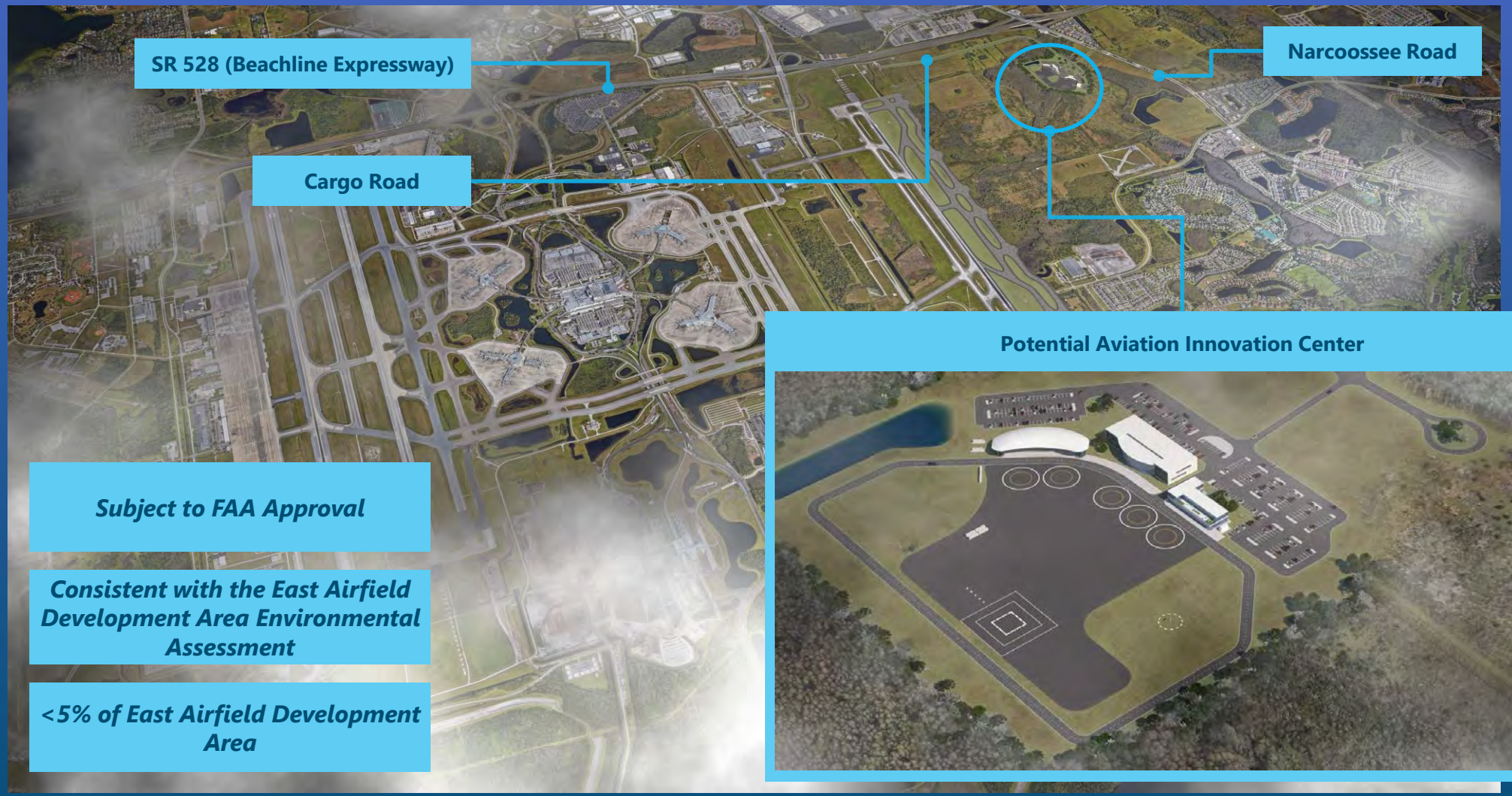

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Thank you!

For more information, please contact us at:

MCOinnovation@goaa.org


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AIRPORT MCO