

# Safe and Equitable Airspace and Flight Operations

Future of Aviation Conference UC Berkeley Institute of Transportation Studies August 4, 2022

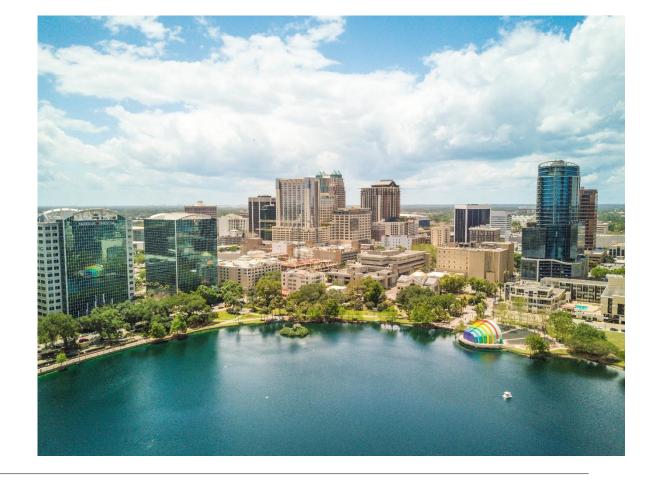






 Purpose: for the City of Orlando to plan for the anticipated impacts associated with AAM through a regional connectivity plan

 The AAM Transportation Plan will position the City with additional futureready mobility options by identifying the vertiport locations to support the movement of residents, businesses and visitors.



Proposed Lake Nona Vertiport (Tavistock Development Group and Lilium)















# **Equality**









# **Equity**











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### How should Equity be considered?

Title VI of the Civil Rights Act

Americans with Disabilities Act (ADA)

 Executive Orders 12898 (Environmental Justice) and 13166 (Limited English Proficiency)

Impacts on neighborhoods

#### **TITLE VI AND RELATED STATUTES**

This meeting, project, or study is being conducted without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting:

#### Jennifer Smith FDOT District Five Title VI Coordinator

719 South Woodland Boulevard Jennifer.Smith2@dot.state.fl.us



#### Jacqueline Paramore State Title VI Coordinator

605 Suwannee Street, Mail Station 65 Tallahassee, FL 32399-0450 Jacqueline.Paramore@dot.state.fl.us

All inquiries or complaints will be handled according to FDOT procedure and in a prompt and courteous manner.

















### Stakeholder Engagement













































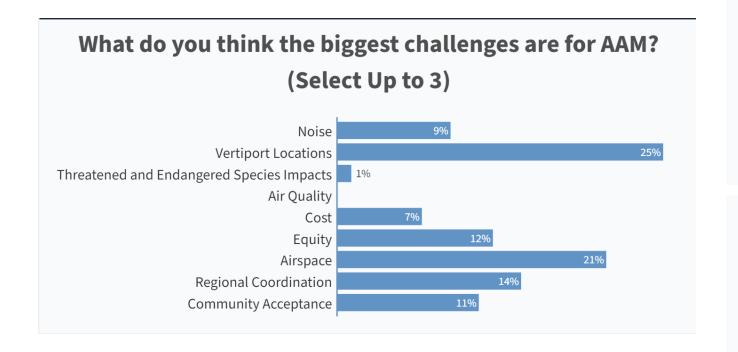








### Initial Stakeholder Feedback



### What are the biggest environmental challenges? (One Word; Up to 3 Responses)



# What are the biggest transportation challenges? (One Word; Up to 3 Responses)

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nimby convenience access management public current in public current in public priorities of acceptance adoption acceptance accessibility adoption acceptance accessibility seamless affordable access sustainability incorporation money capacity capacity money cap
```















### Airspace Visioning Activity

- Virtual Mapping Exercise
  - Potential Vertiport Locations
  - Potential AAM Corridors
- Considerations
  - Origins and destinations
  - Multimodal connectivity
  - Equity and community impacts
  - Economic development



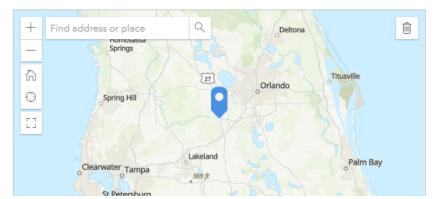
#### **Potential Vertiport Location Survey**

Please use the map below to identify specific locations which you feel would be ideal to serve as Vertiports, please include any details in the description box.

Name	
Agency, Organization or Department	
Please indicate the agency, organization, or department to which you belong.	
Please describe why this location would be a good vertiport la pad:	anding
	1000

#### Suggested vertiport location:

Use the map below to zoom in and select (by clicking) the location in which you would like to recommend serve as a vertiport.

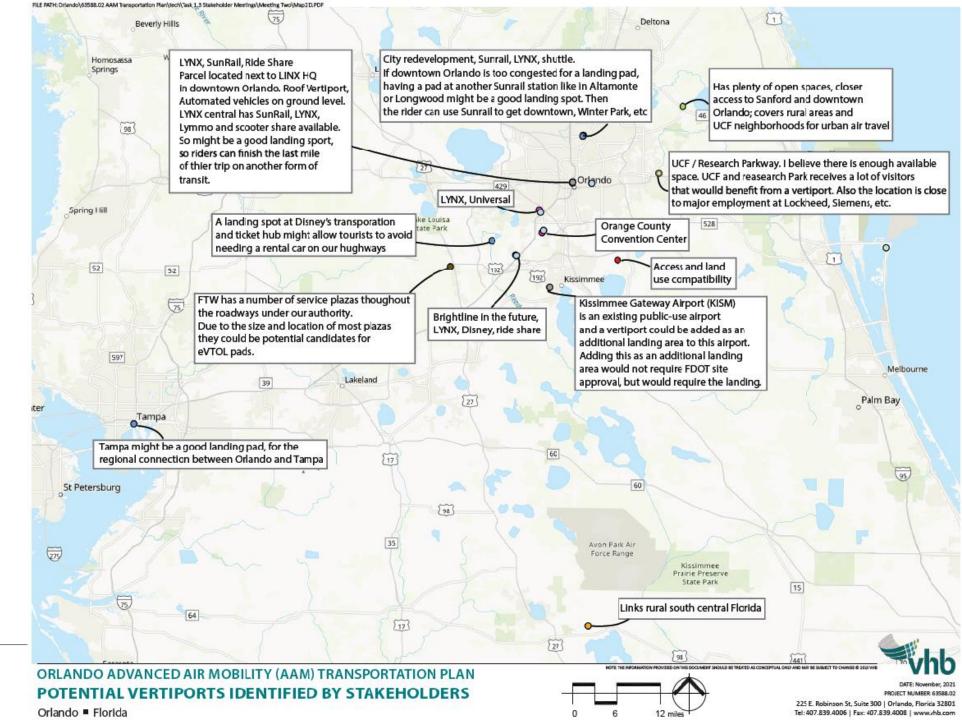




Tourism attractions

Commuter Rail stations

Rural airports and FBOs



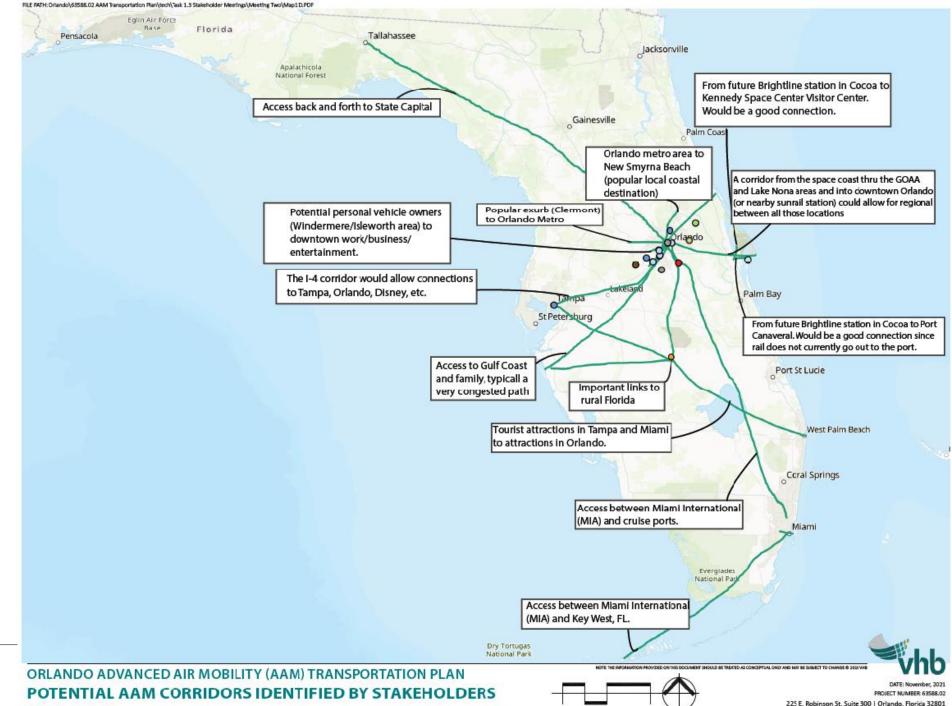


Statewide destinations

Congested roadways corridors

Corridors without interstate highways

Orlando Florida



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### Key takeaways so far

#### Environmental:

- Limited assessment of threatened and endangered species for airborne projects
  - FAA National Wildlife Strike Database (NWSD) identified 245,000 collisions between 1990 and 2020
- Standard environmental assessments (habitat, wetlands, etc) at proposed vertiport sites

#### • Community:

- Additional community engagement is needed to inform and educate
- Zoning regulations may need to be updated to avoid impacts on underserved communities

#### • Economic:

 There will be economic benefits (employment, taxes, GDP), but it is too early for the City to invest in infrastructure without a partner















### Next Steps

- Continued stakeholder outreach and information sharing with communities
- Revisions to Land Development Code and permitting process
- Regional travel demand modeling to identify target vertiport locations
- Ongoing coordination with NASA and Community Air Mobility Initiative (CAMI)

