

Orange County Public Works Department

**International Drive Pedestrian
Overpass Intersection Analysis and
Overpass Conceptual Design Study
Public Hearing**

June 17, 2025

Presentation Outline

- Inspiration
- Collaboration / Configurations
- Recommendation
- Public Involvement
- Project Funding and Schedule
- Summary
- Board Direction





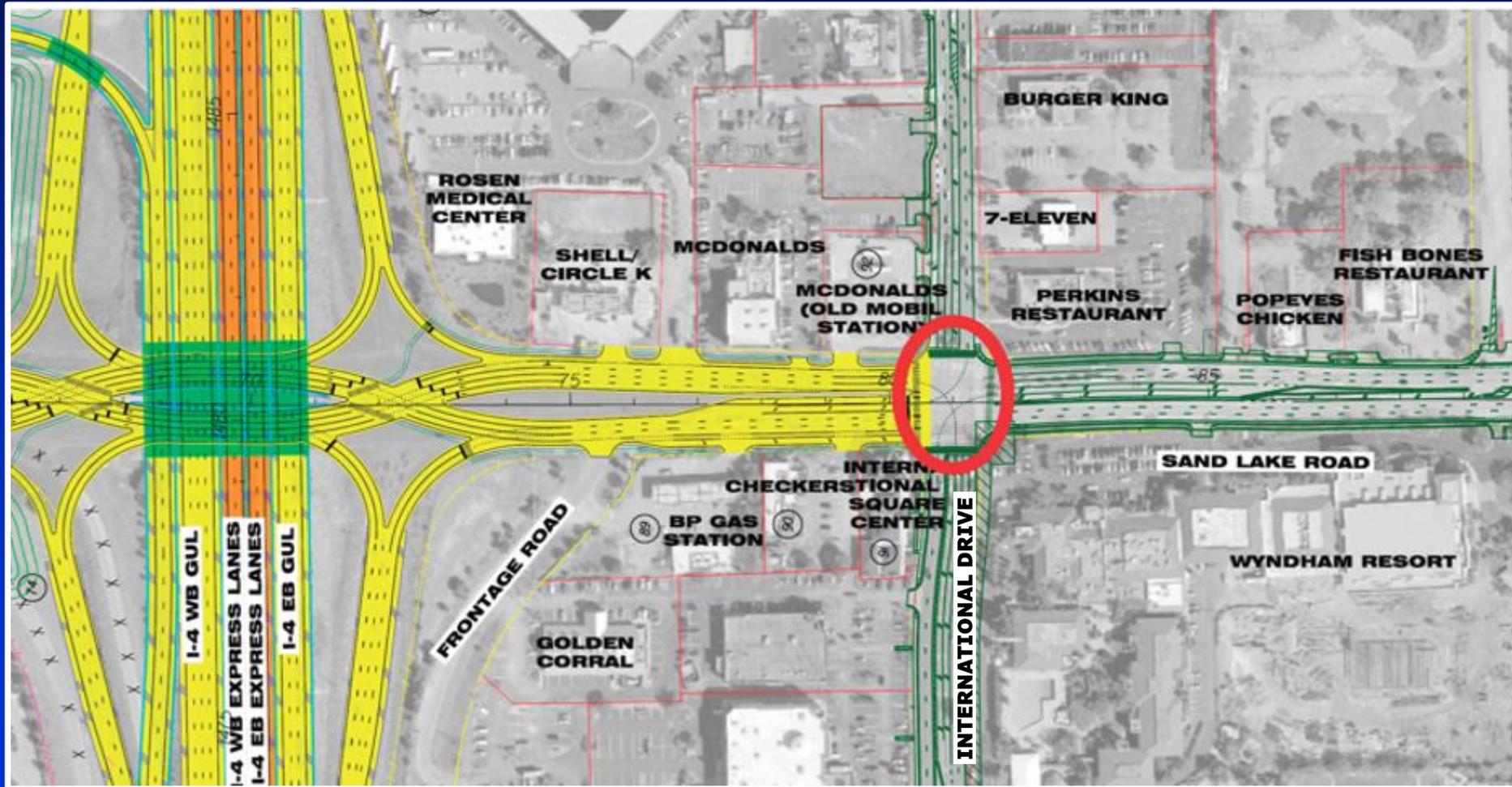
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Project Location



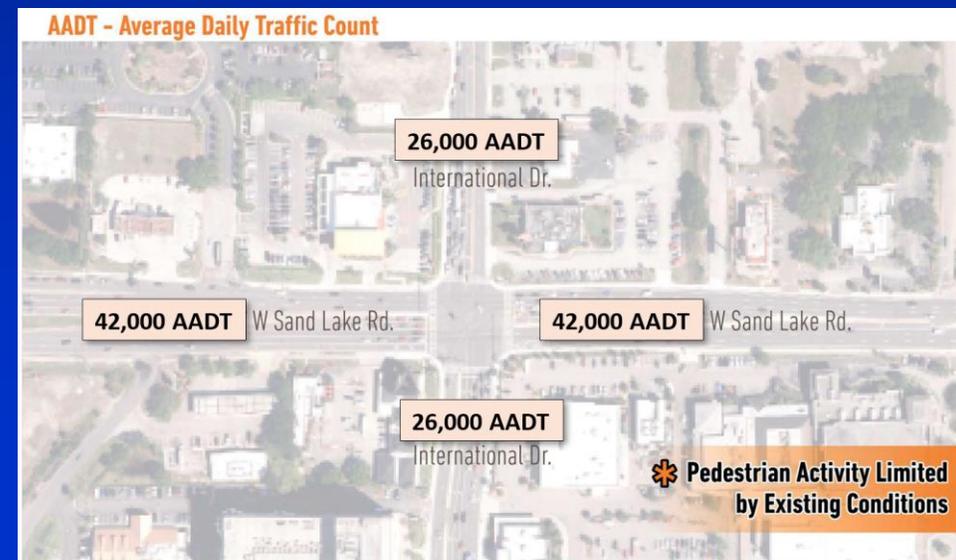
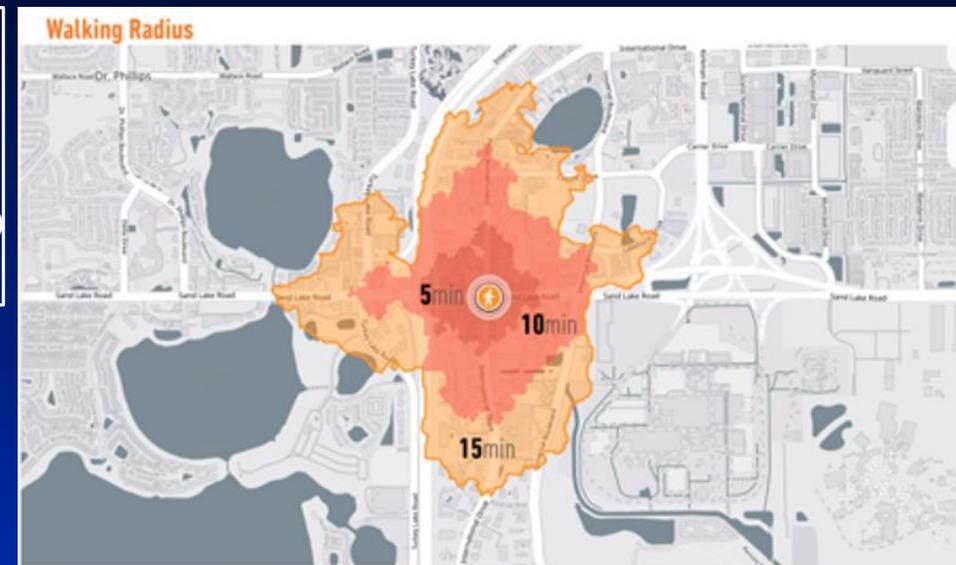
Inspiration

- I-Drive Vision 2040 District Stakeholder Objectives
 - **Connected:** Celebrate walkability, offer multiple options
 - **Complete:** Accommodate a diversity of uses
 - **Authentic:** Reinforce community identity
 - **Prosperous:** Foster economic development
 - **Sustainable:** Efficient use of natural resources, green building practices



Project Goals

- Safe pedestrian crossing
 - Provide ADA accessibility
 - Provide pedestrian and wheeled access
 - Facilitate emergency response
 - Minimize opportunity for crime
- Minimize public, property, and utility impacts
 - On grade and elevated connections to corner properties
- Iconic Gateway I-Drive Districts
 - Create positive, Instagram-able experience



Inspiration

▪ Vehicle interactions within one hour





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Collaboration / Configuration

- Collaboration between County and the Project Advisory Group (PAG)
- Four PAG Meetings:
 - Introduction and overview
 - Existing conditions, structure, ROW, utilities
 - Preliminary concept alternatives
 - Preferred alternative selection

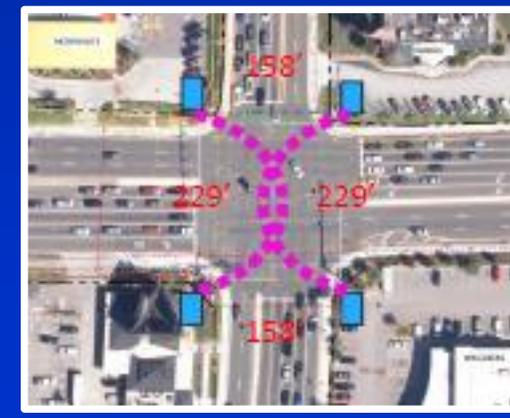
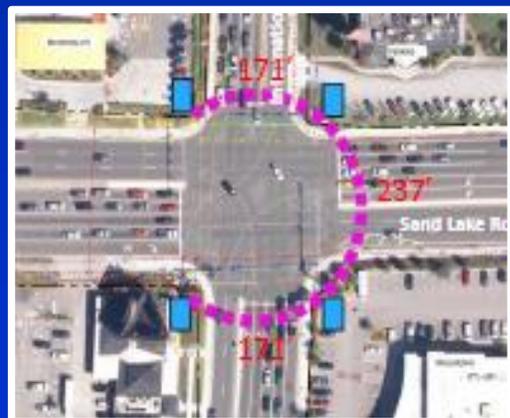
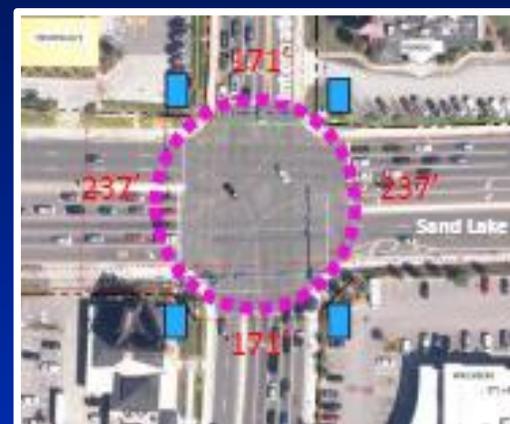
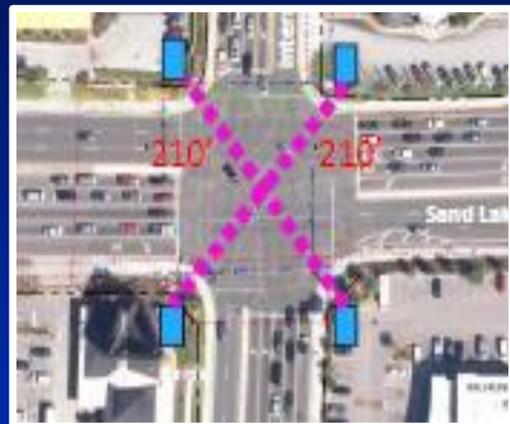
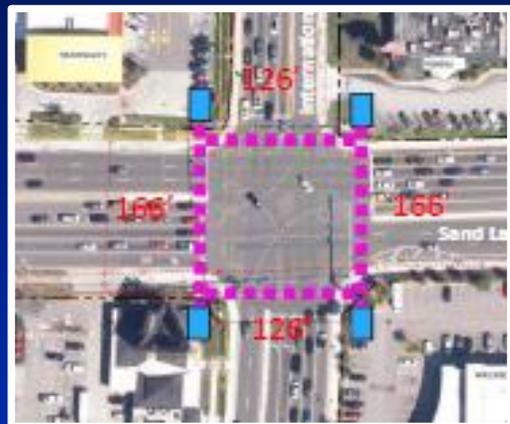


- Project Advisory Group**
- I-Drive Businesses and Attractions
 - I-Drive Business District
 - I-Drive Chamber of Commerce
 - Orange County Convention Center
 - Florida Department of Transportation
 - Orange County Sheriff and Emergency Services
 - Orange County Planning Division



Collaboration / Configuration

▪ Six configurations considered:

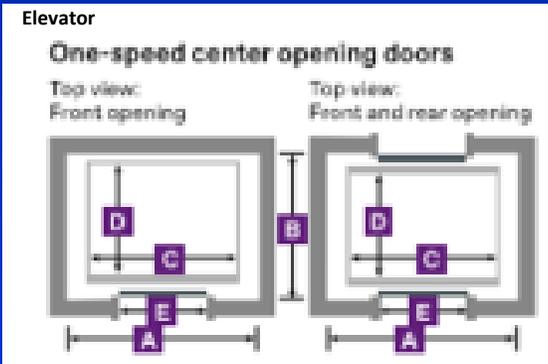
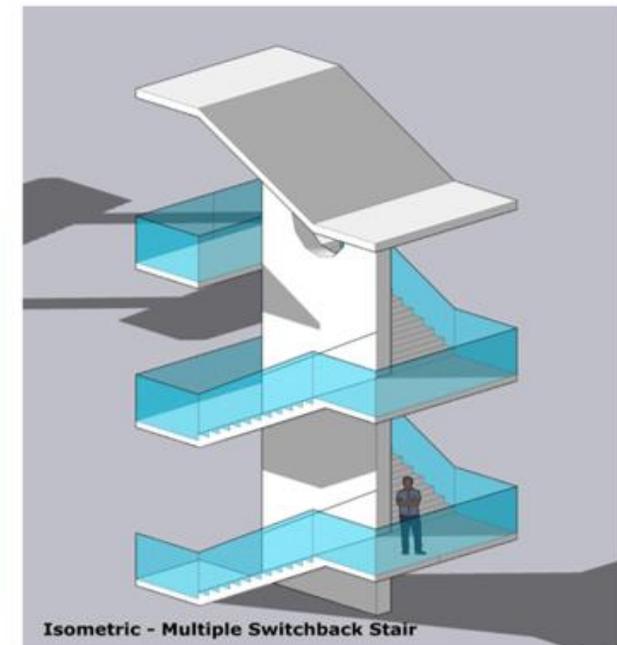
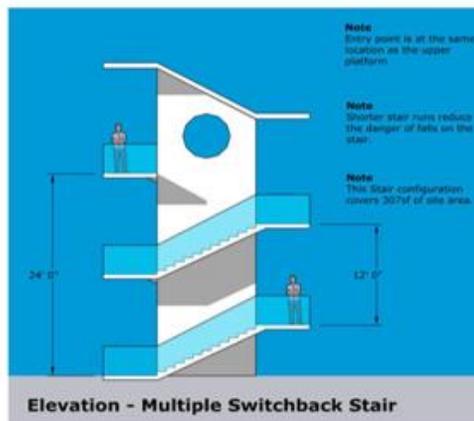
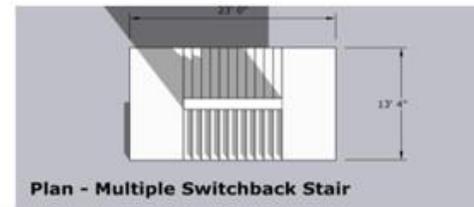
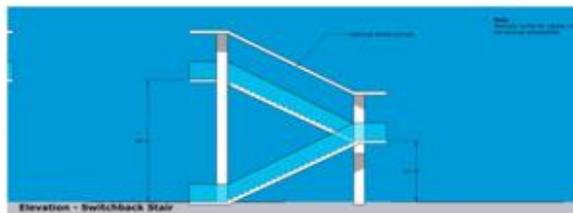
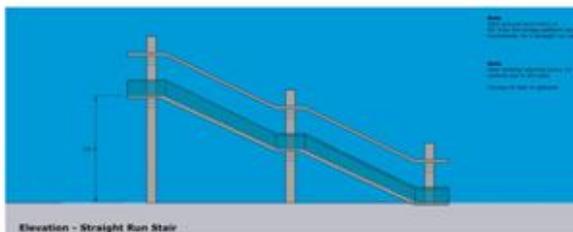
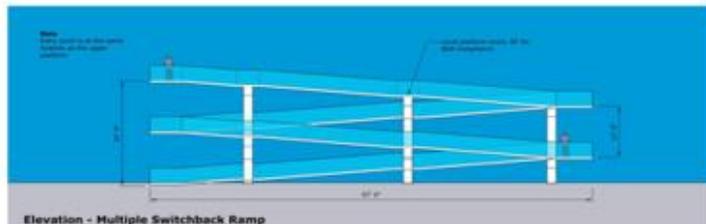
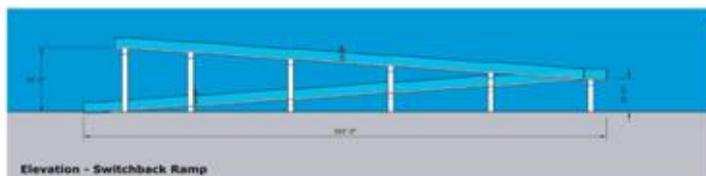
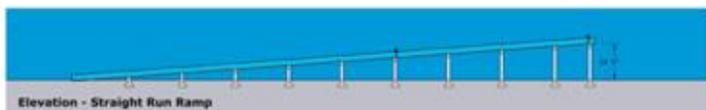




Collaboration / Configuration

Initial access options considered

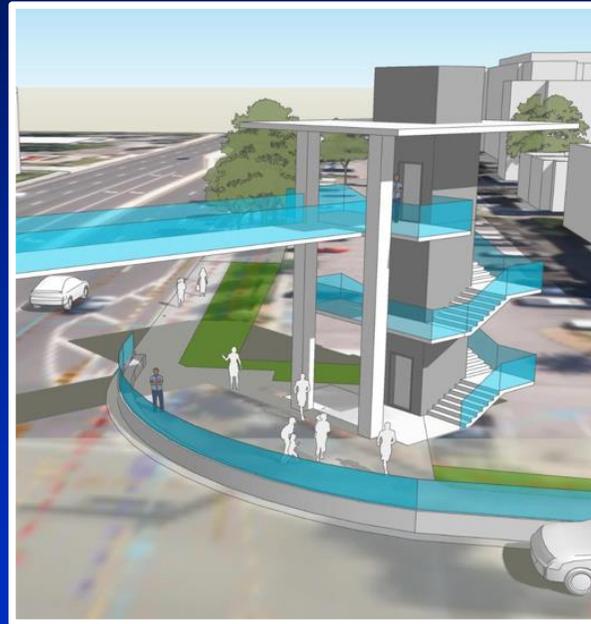
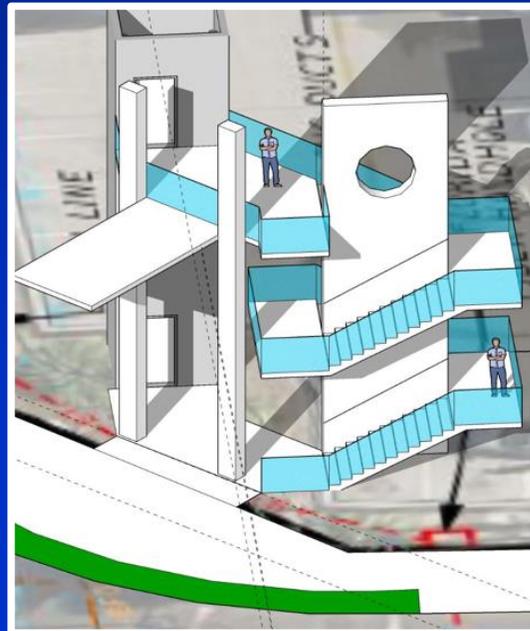
Bridge Configurations Access





Collaboration / Configuration

▀ Four hybrid alternatives:



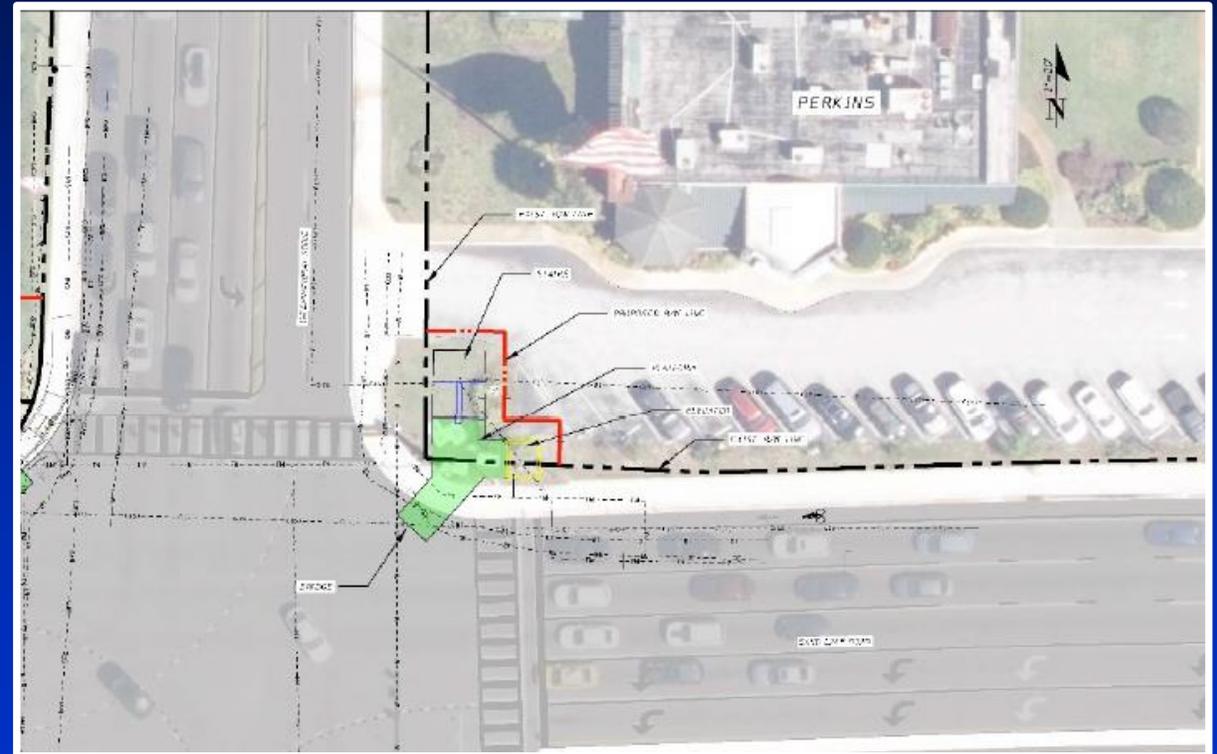


Collaboration / Configuration

Right of Way and Easements



Northwest corner - McDonalds

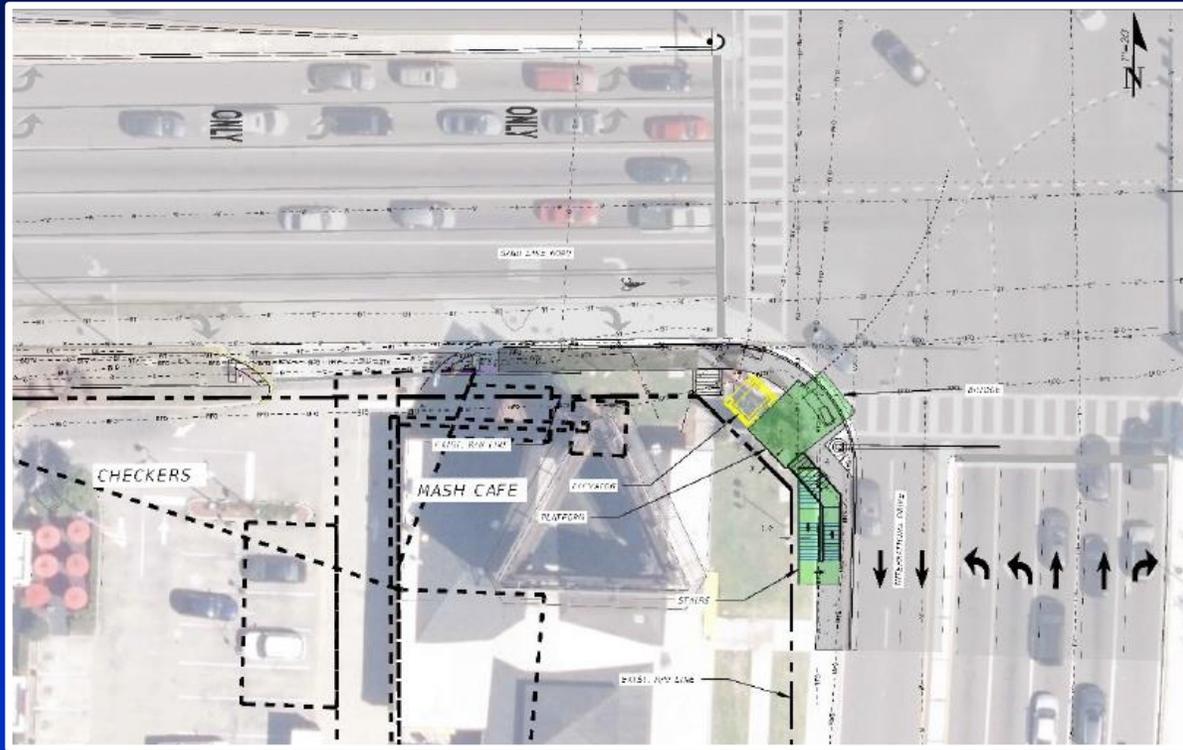


Northeast corner – Perkins – Skyplex

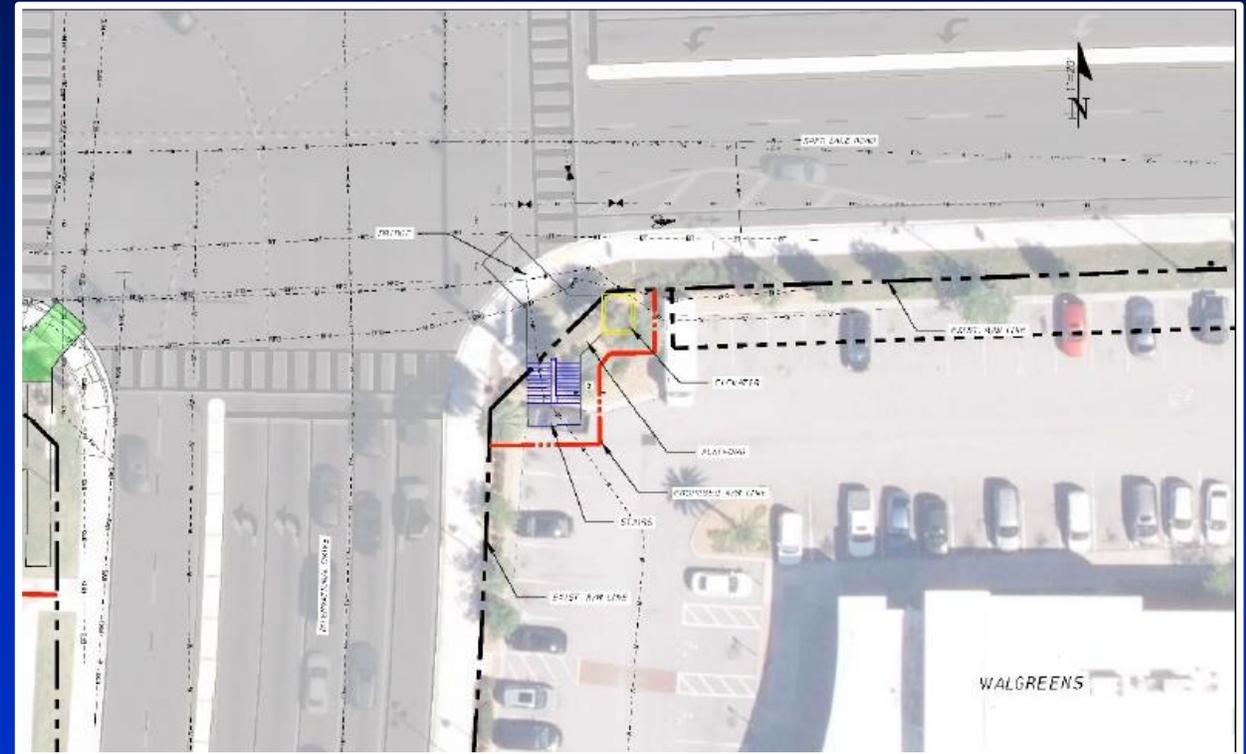


Collaboration / Configuration

▪ Right of Way and Easements



Southwest corner I-Drive / Gift Shops



Southeast corner – Walgreens – Wyndam



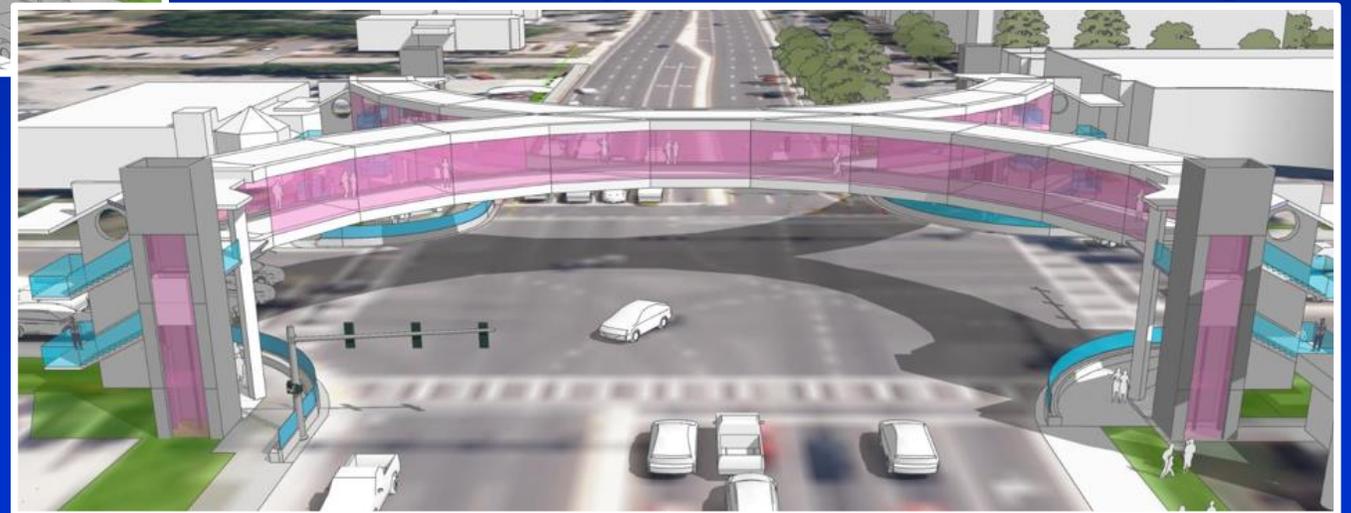
Collaboration / Configuration

- Two final candidate configurations considered:



"X" Option – International Drive looking North

Interlocking "C" Option – Sand Lake Road looking East

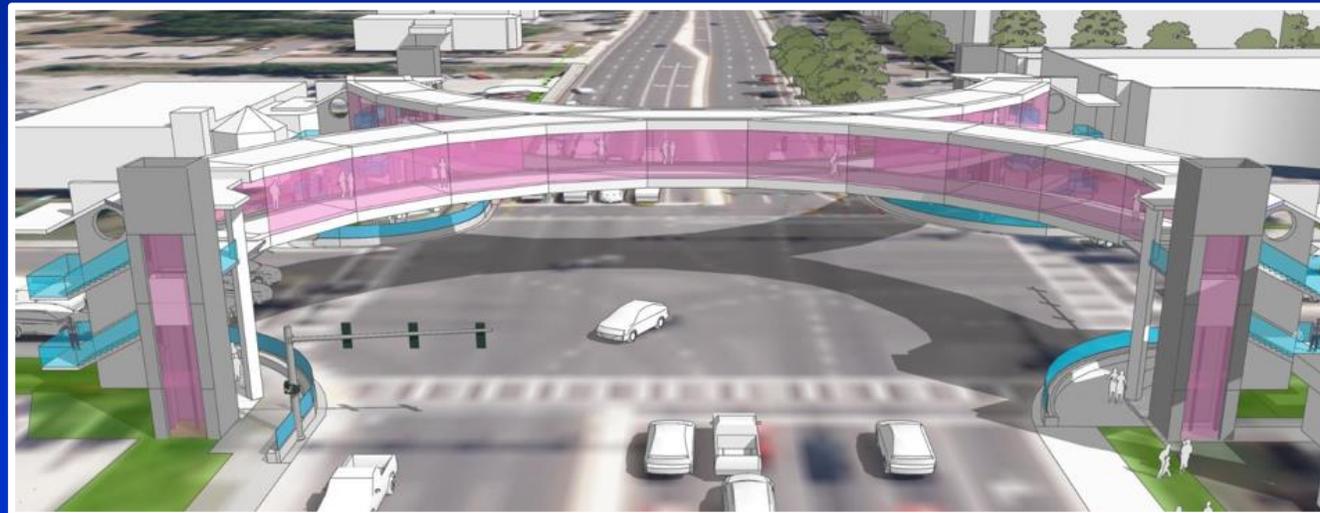




Collaboration / Configuration

▪ Results:

- Interlocking “C” highest rated option
- Curved configuration visually dynamic - better user experience
- Configuration has little impact on intersection corners
- Photovoltaic cells meet sustainability goal





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Recommendation

- **Study Framework**
 - Safety analysis and operations
 - Rendering of selected concepts
 - Recommendations



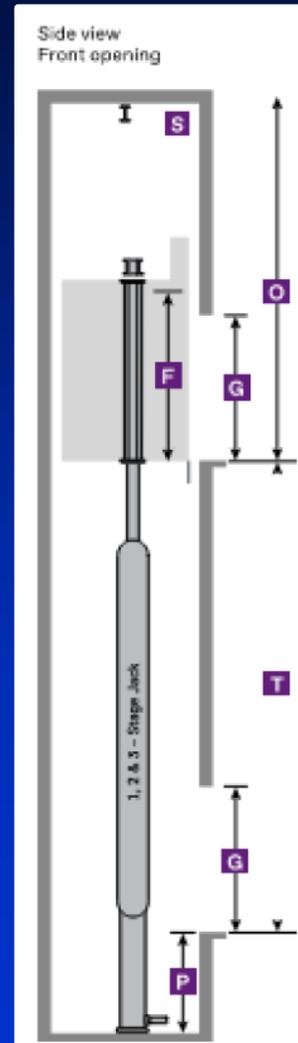


Recommendation

- Safety and Operations
- Elevators
 - Accommodate fully equipped ERT
 - Site-specific response plan
 - Unlock door at top
 - Use assistance tools to go down the stairs
 - Quick response contract to bring car down
 - Roof Emergency access included in design
 - Stand by generator
 - Crosswalks north and at signals south and east



Cross Walks



Elevator Detail



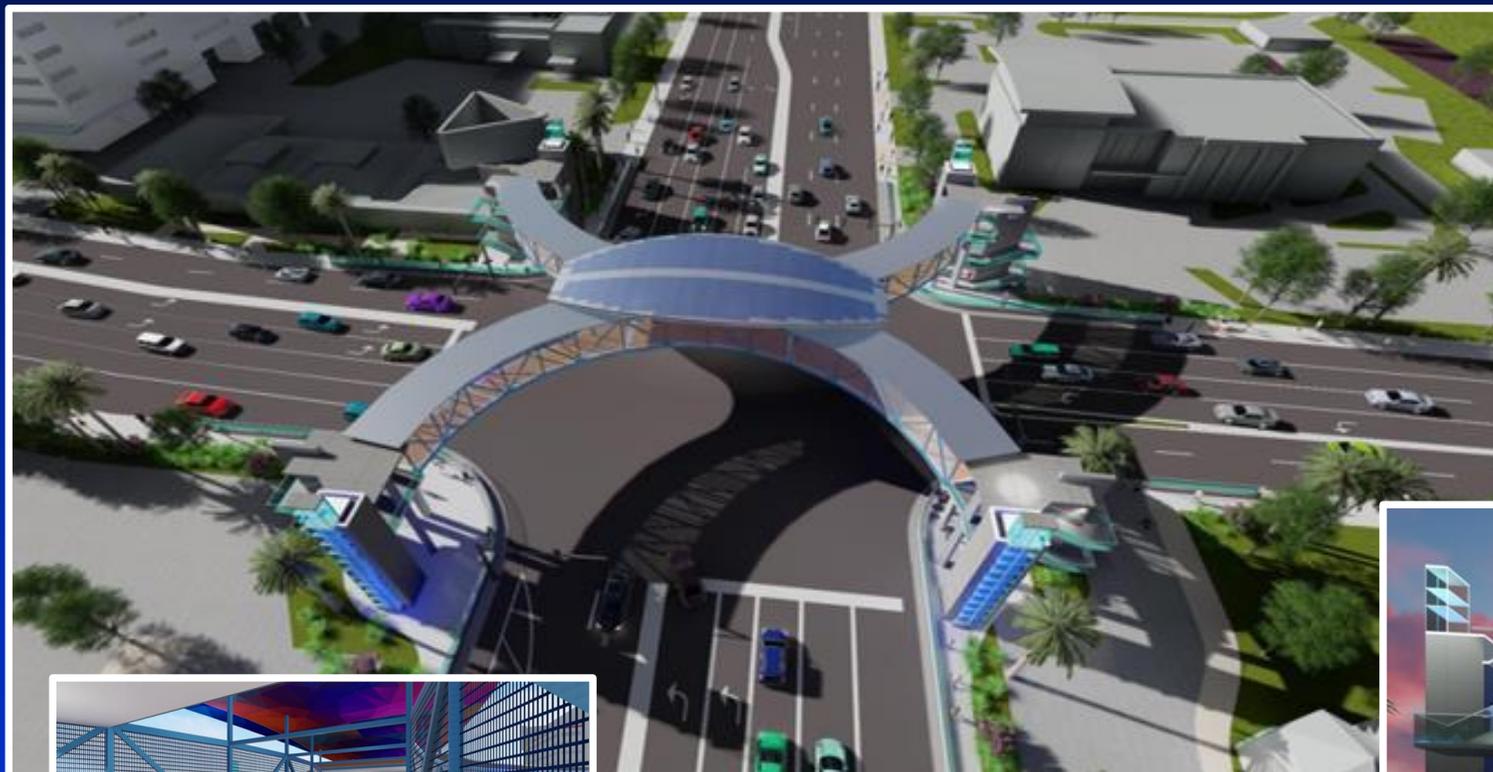
Recommendation

▪ Concept Alternative One: The Wave



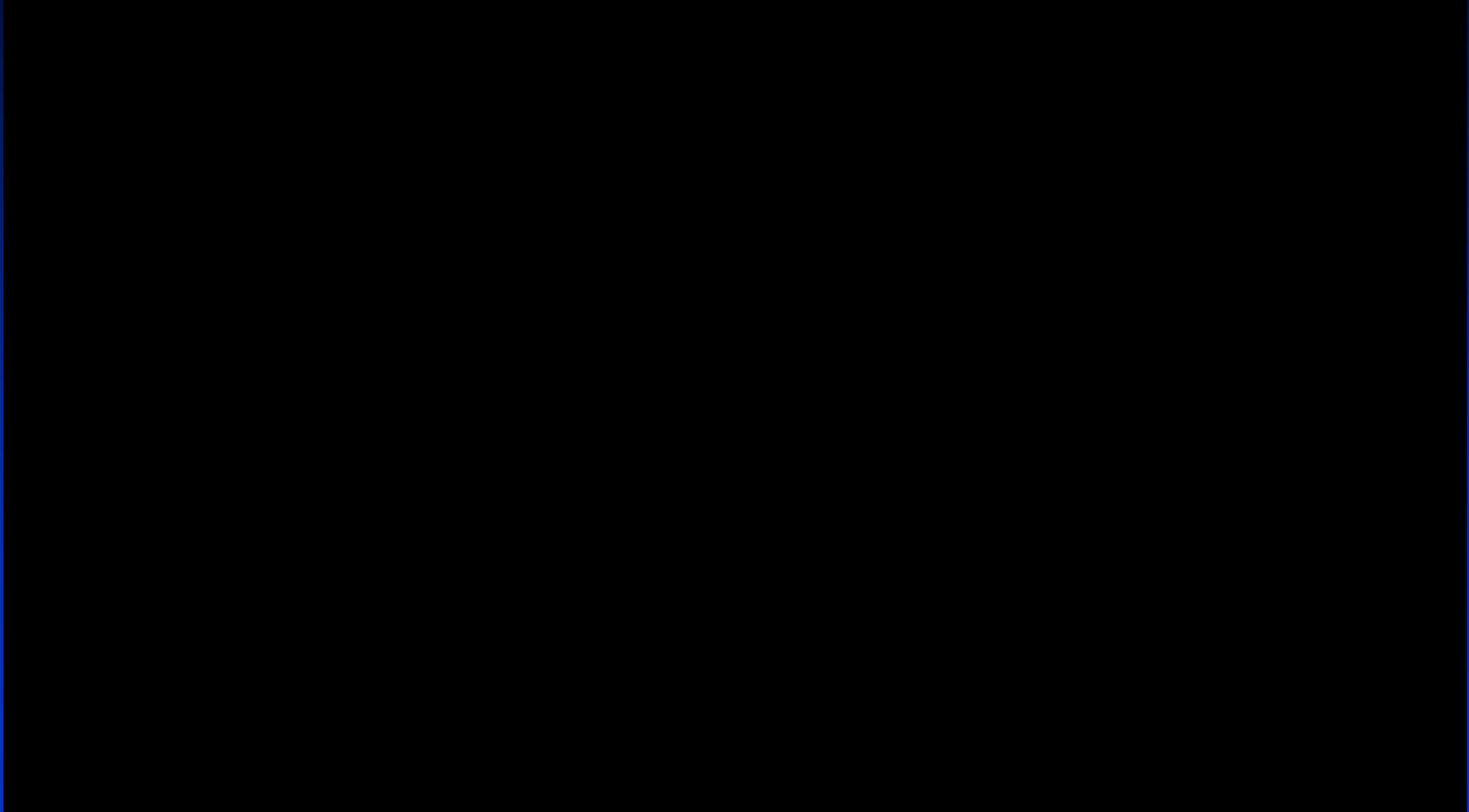
Recommendation

▪ Concept Alternative Two: The Drone (Recommended)





Recommendation





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Public Involvement

▪ Project Advisory Group

- PAG #1 August 2022 - Overview
- PAG #2 September 2022 – Existing conditions / ROW
- PAG #3 October 2022 – Preliminary concepts
- PAG #4 June 2023 – Preferred alternative

▪ Public Meetings

- Public Meeting #1 February 2023 - Existing conditions / concepts
- Public Meeting #2 August 2023 - Recommended alternative



PROJECT WEB PAGE: <https://www.idriveoverpass.com/>



Public Involvement

- **Results of Public Meetings, LPA, and BCC Work Sessions**
 - Create an Emergency Response Plan
 - Elevate barriers to prevent pedestrians from accessing roadway
 - Ensure bridge mesh walls prohibit objects from being thrown from the bridge
 - Assessed alternative bridge location
 - Prioritize walking and biking over cars

Public involvement

- **BCC Work Session on Sept. 16, 2023**
- **Next Steps:**
 - Finalize negotiations with impacted property owners
 - Enter into property agreements
 - Coordinate with FDOT
 - Complete Conceptual Design Study
 - Present to the BCC





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Project Funding and Schedule

INTERNATIONAL DRIVE PEDESTRIAN OVERPASS			
INTERSECTION ANALYSIS AND CONCEPTUAL DESIGN			
ALTERNATIVES MATRIX DRONE AND WAVE			
CRITERIA	NO-BUILD	THE DRONE (PREFERRED)	THE WAVE
ADJACENT PROPERTY IMPACTS			
Easements Required	None	4	4
Physical Impacts	None	6 Parking Spaces	6 Parking Spaces
Agreements	None	3 Property / One Air Rights	3 Property / One Air Rights
SOCIAL, NATURAL, AND PHYSICAL IMPACTS			
Social and Neighborhood	None	Improved Connectivity	Improved Connectivity
Encroachment	None	Improved Air Quality	Improved Air Quality
Stormwater / Floodplain	None	None	None
Contaminated Sites	None	None	None
Physical	None	Improved Safety	Improved Safety
ESTIMATED COST (PRESENT DAY)			
Design	None	\$4,180,000	\$4,300,000
Mitigation	None	None	None
Right-of-Way	None	Donations	Donations
Construction	None	\$27,900,000	\$28,623,000
Utility Relocation	None	\$200,000	\$200,000
CEI	None	\$3,348,000	\$3,434,760
TOTAL	\$0	\$35,628,000	\$36,557,760

* Note: Design and Construction will be funded by the CRA



Project Funding and Schedule

Tentative Projected Schedule

INTERNATIONAL DRIVE PEDESTRIAN OVERPASS																
2025			2026			2027			2028			2029			2030	
			Procurement and Design*													
										Procurement and Construction*						

* Or other delivery method such a Design-Build or Construction Manager at Risk (CMAR)



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- Congestion at the I-Drive and Sand Lake Road intersection creates a challenging safety environment
- The Interlocking “C” - Drone Scheme was identified as the recommended alternative to meet operational, aesthetic, budget, and iconic gateway criteria
- The conceptual design is Iconic and has a unique configuration



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Board Direction

▪ Comprehensive Plan

- Implement Long Range Transportation Plan (Obj. T1.1)
- Implement financially-feasible multimodal transportation system (Obj. T1.3)
- Support strategies which promote convenient & efficient mobility system for all modes (Obj. T3.1)
- Build street, pedestrian and bicycle networks that provide interconnectivity and access to multimodal transportation facilities (Obj. T3.2)





Board Direction

- Find the I-Drive Pedestrian Overpass Intersection Analysis and Overpass Conceptual Design Study consistent with the Comprehensive Plan
- Approve of the study and direct staff to move forward with design, right-of-way acquisition, and construction

