

# **SUNBRIDGE PARKWAY PRELIMINARY DESIGN STUDY**

**Board of County Commissioners Public Hearing**

**March 20, 2018**



# Presentation Overview

- **Study Overview**
- **Existing Conditions**
- **Project Development Plan**
- **Public Involvement**



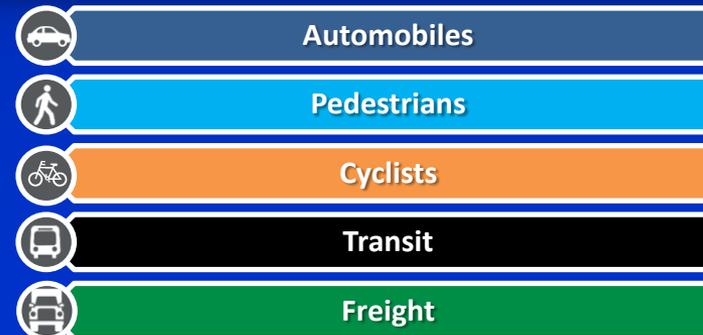
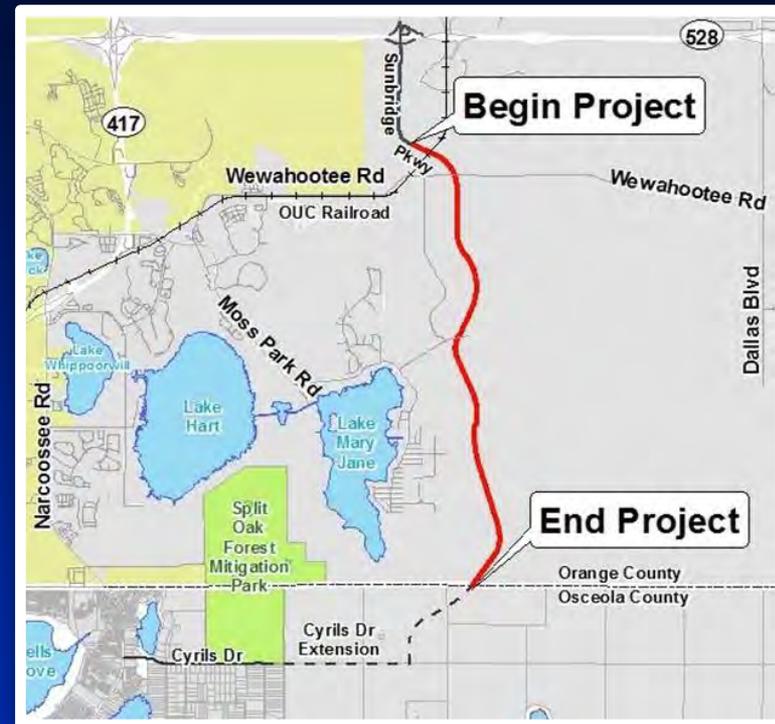
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# Study Overview

- **Sunbridge Parkway PDS**
  - **Study Kick Off:** May 2017
  - **Anticipated Completion:** May 2018
  - **Corridor Length:** Approximately 6.1 Miles
  - **Limits:** Aerospace Parkway/Dowden Road to the Orange/Osceola County Line
  - **Goal:** Identify Context Sensitive & Cost Feasible Improvements
    - Document Project Need
    - Balance the Needs of All Users
    - Safety, Mobility, and Comfort

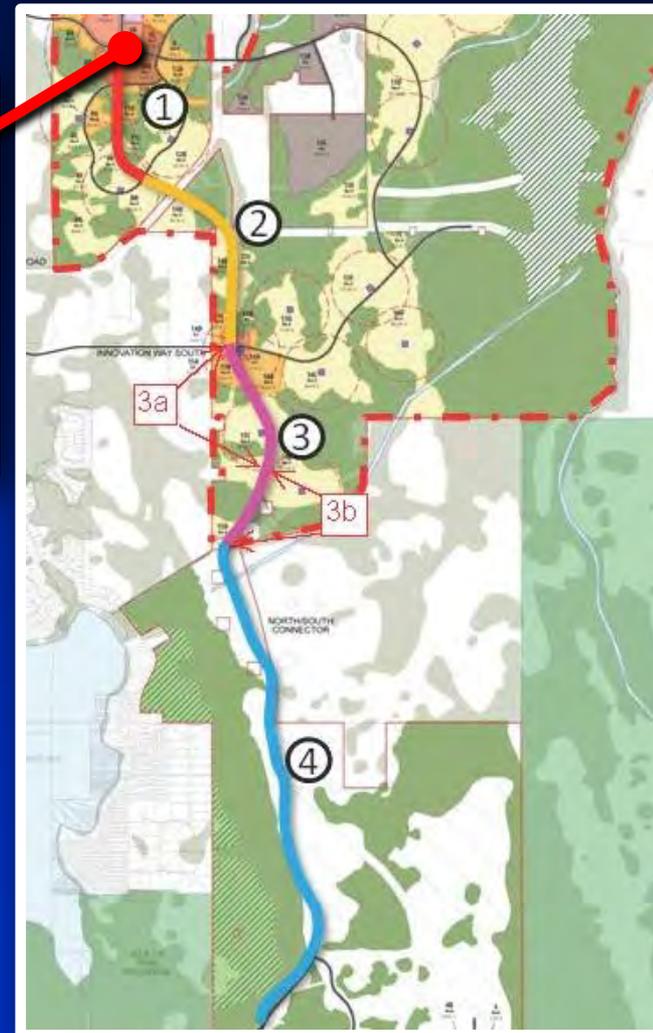
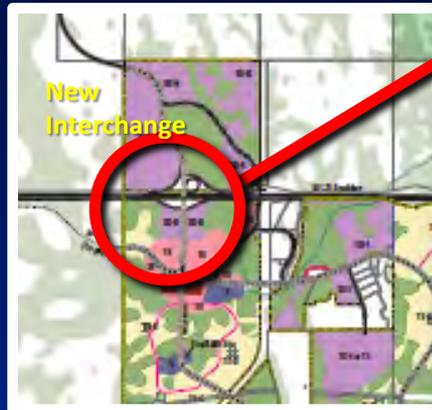




# Study Overview

## Associated Projects

- New Interchange on State Road 528
- Segment 1 Sunbridge Parkway Road Design
- Sunbridge Neighborhoods Preliminary Development Plan
- Camino Reale – Regulating Plan Under Review





# Study Overview

## ■ Associated Projects

–Sunbridge Parkway

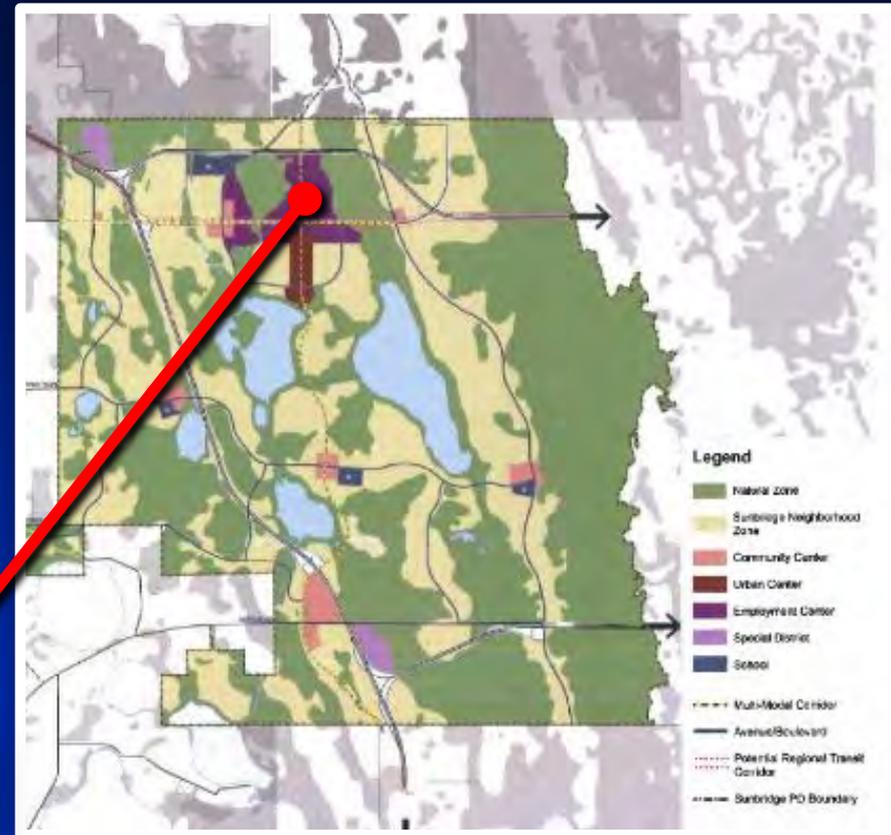
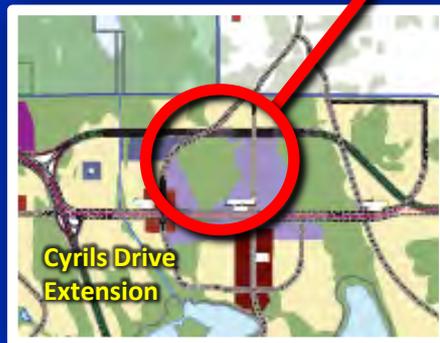
(North East District)

–19,000 Acres in Osceola County

–Future Connection to Cyrils

Drive Extension and Access to

Osceola Parkway Extension





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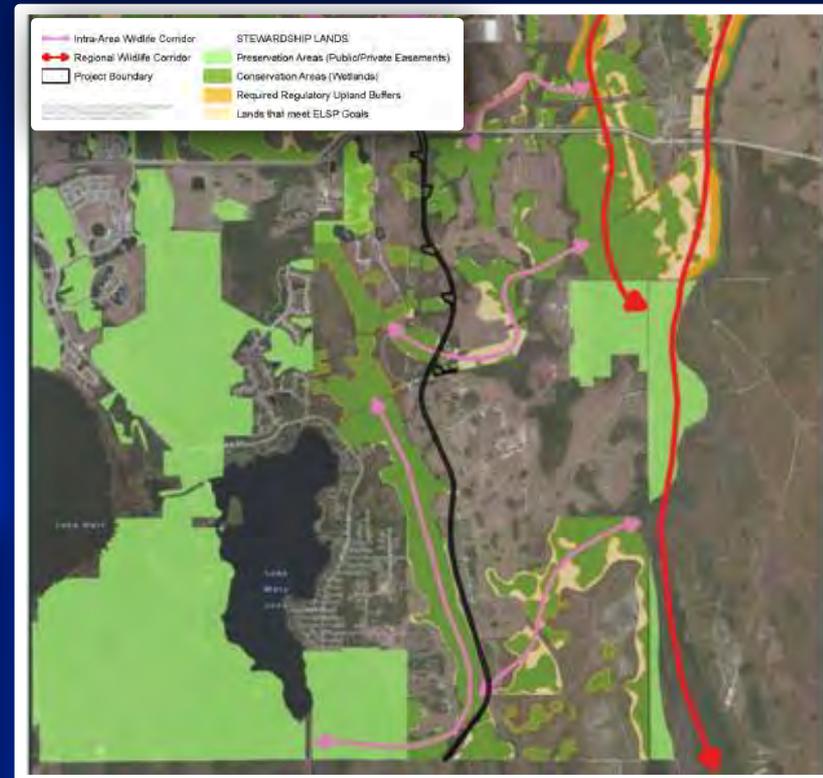




# Existing Conditions

## Environmental Considerations

- Environmental Land Stewardship Program Compliance
- Avoid/Minimize Wetland Impacts
- Maximize Use of Least Valuable Environmental Lands
- Protect Critical Wildlife Links





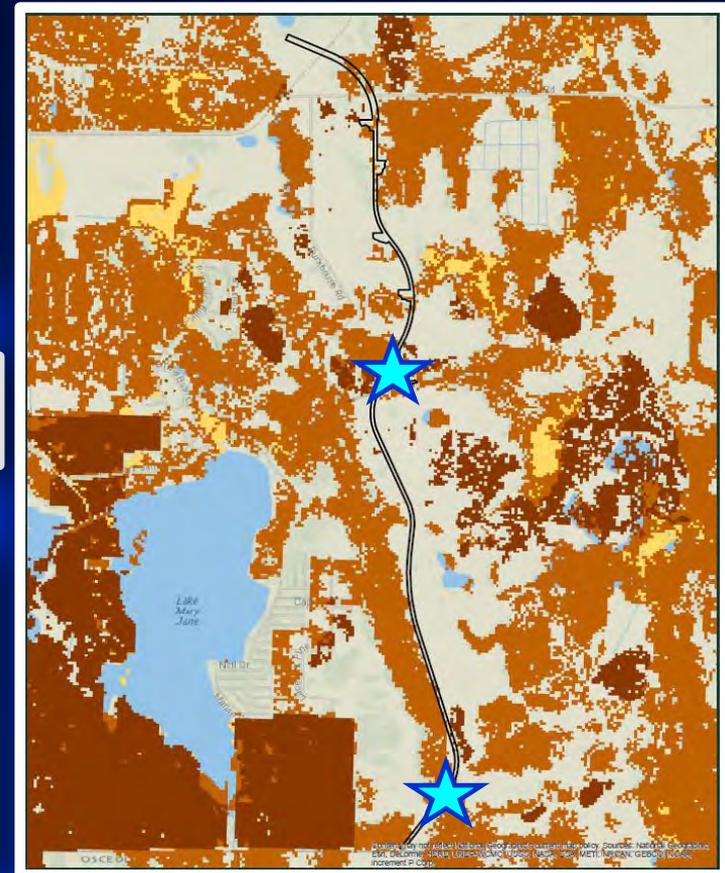
# Existing Conditions

## Environmental Considerations

### —Species of Special Concern

- American Alligator
- Eastern Indigo Snake
- Florida pine snake
- Gopher Tortoise
- Florida Burrowing Owls
- Florida Sandhill Crane
- Southeastern American Kestrel
- Wood Storks
- Sherman's Fox Squirrels

### —Potential for Two Wildlife Crossings ★





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# Project Development Plan

## ■ 2025 - Opening Year Volume

—Dowden Road to Innovation Way South - 16,800 AADT

—Innovation Way South to County Line - 24,300 AADT

## ■ 2040 - Design Year Volume

—Dowden Road to Innovation Way South - 39,700 AADT

—Innovation Way South to County Line - 36,500 AADT

\*(AADT) Average Annual Daily Traffic



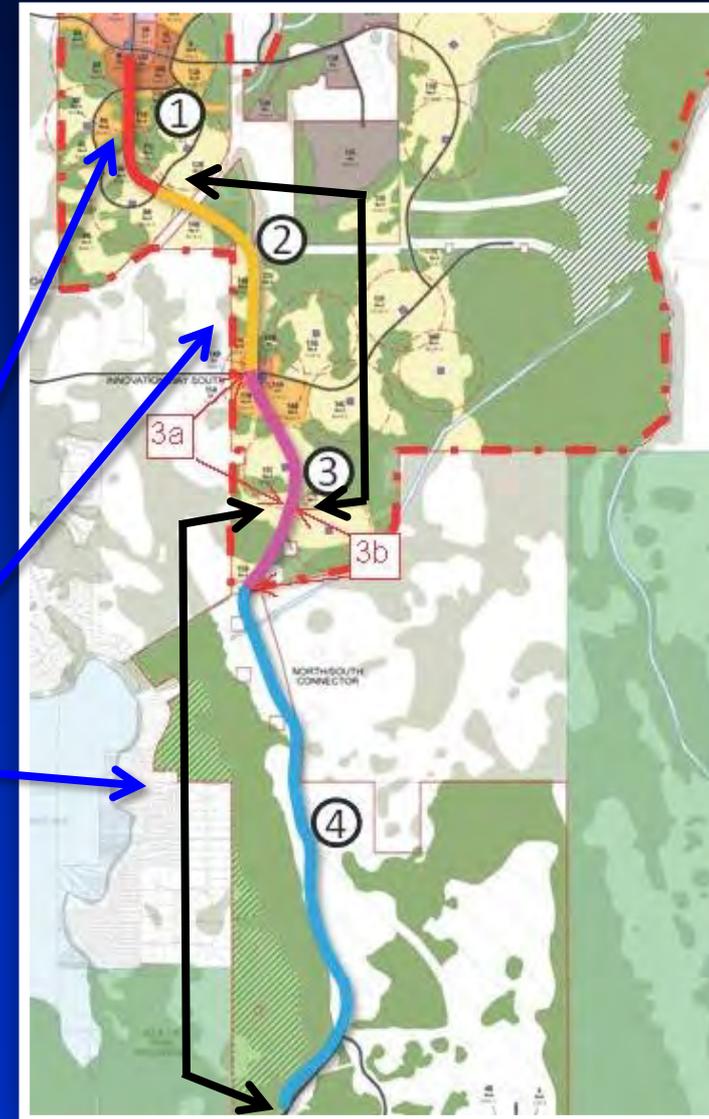


# Project Development Plan

## Initial Design and Construction by Tavistock

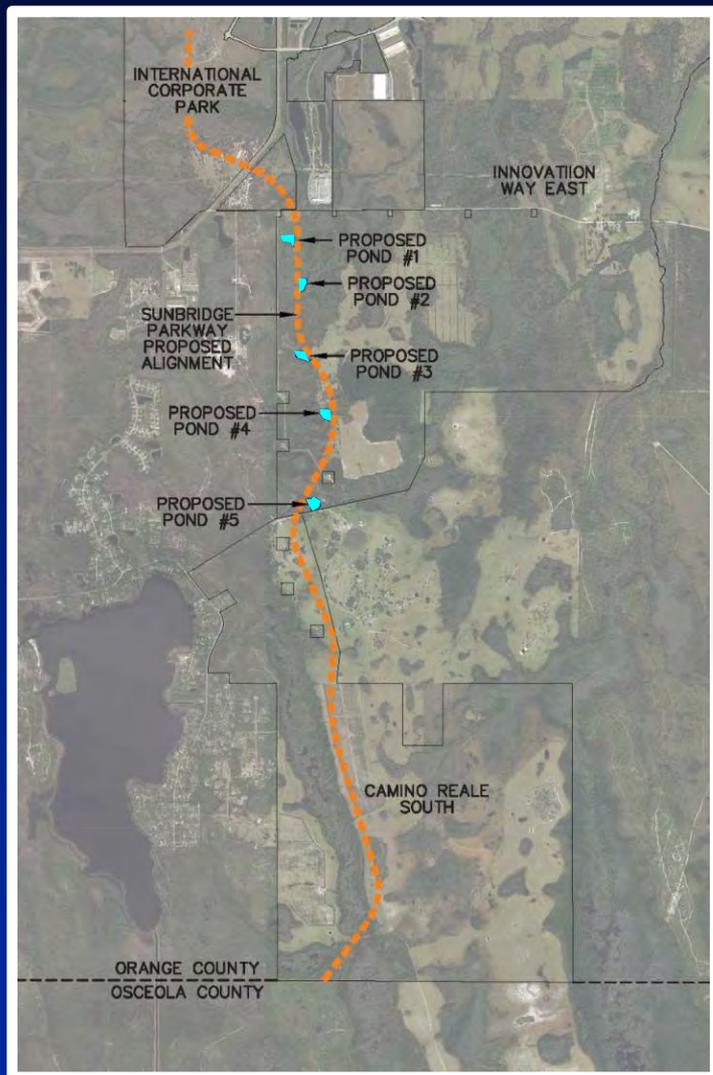
Segment	Design	Construct
Segment 1	4-lane Urban	4-lane Urban ●
Segment 2	2-lane Rural	2-lane Rural*
Segment 3a	2-lane Rural	2-lane Rural* ●
Segment 3b	2-lane Rural	2-lane Rural ●
Segment 4	2-lane Rural	2-lane Rural ●

\*Segments 2 and 3a will ultimately be 4-lane Urban





# Project Development Plan



## ■ Urban Road Sections

—From Aerospace Parkway to Disston Canal

- Curb and Gutter
- Stormwater Treatment in Ponds



Stormwater Pond



Roadside Swale

## ■ Rural Road Sections

—From Disston Canal to Orange/ Osceola County Line

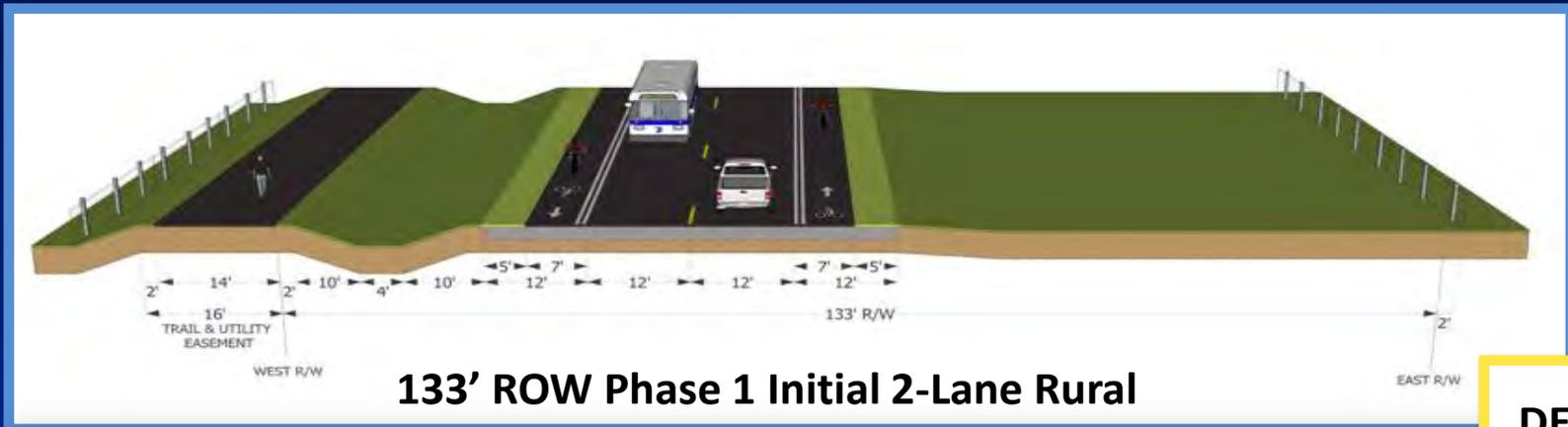
- Stormwater Treatment in Roadside Swales



# Project Development Plan

## ▪ Roadway Sections

Segments 2, 3A and Part of 3B – South of Aerospace Pkwy. to Disston Canal



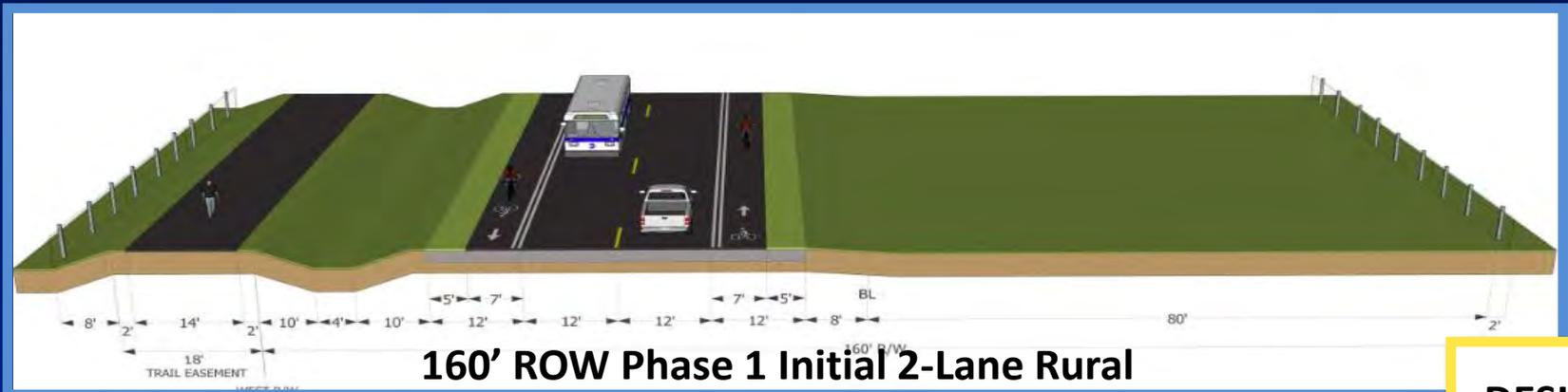
**DESIGN  
SPEED  
45 MPH**



# Project Development Plan

## ▪ Roadway Sections

Segments 4 and Part of 3B - Disston Canal to the Orange Osceola County Line



**DESIGN  
SPEED  
60 MPH**





# Project Development Plan

## Estimated Constructed Roadway Cost

**Public Private Partnership**

**Roadway Agreement Approved by the BCC**

**Impact Fee Credits**

**Aerospace Parkway/Dowden Road to Orange/Osceola County Line**

**Four Lane Ultimate Configuration**

**Does Not Include the Cost of Mitigation**

**Total Project Cost: \$50,000,000**



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# Public Involvement



**Study  
Newsletter**



**Study Website**



**Public  
Community  
Meetings**



**LPA/BCC Public  
Hearings**

**All comments received throughout this Study will become part of the public record and included in the Final Study Report.**

**[www.orangecountyfl.net/TrafficTransportation/SunbridgeParkway](http://www.orangecountyfl.net/TrafficTransportation/SunbridgeParkway)**



# Public Involvement

## ▪ Lake Mary Jane Alliance Small Group Meeting

—**Key Take Away:** Focus on the Environment, Drainage and Preservation of Roberts Island Slough

## ▪ Community Meeting

—**Key Take Away:** Consider Timing of Phased Construction and Roadway Noise. Preservation of Roberts Island Slough Remains a Concern.





# Public Involvement

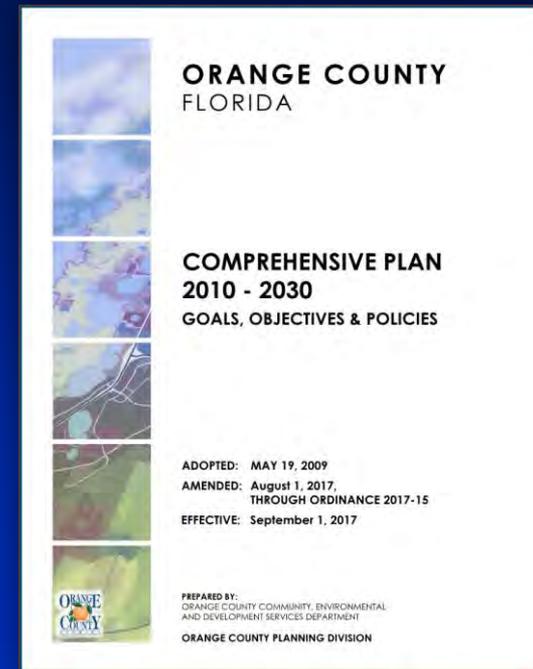
<b>Public Involvement Activity</b>	<b>Target Dates</b>
<b>Community Meeting</b>	<b>11-30-2017</b>
<b>Local Planning Agency Work Session</b>	<b>12-21-2017</b>
<b>Local Planning Agency Public Hearing</b>	<b>02-15-2018</b>
<b>Board of County Commissioners Work Session</b>	<b>03-06-2018</b>
<b>Board of County Commissioners Public Hearing</b>	<b>03-20-18</b>



# Action Requested

## Consistency with the Comprehensive Plan

- Implement Long Range Transportation Plan (Obj. T1.1)
- Implement the Long Range Transportation Plan using 4-Step process (T1.1.1)
- Reflect the context of communities and the environment (T1.1.1.2)
- Seek public involvement (T1.1.1.2)
- Use METROPLAN modeling structure (T1.2.1)
- Ensure the CIP is responsive to demands (T1.3.2)
- Consider all available Funding Sources (T1.3.3)
- Provide an efficient and cost-effective transportation system (T1.3.6)
- Implement financially-feasible multimodal transportation system (Obj. T1.3)
- Participate in interlocal agreements, joint participation and other coordinated funding (T1.3.7)
- Ensure existing and new developments are connected (T3.2.2)





# Action Requested

- **Find the Sunbridge Parkway Preliminary Design Study Consistent with the Comprehensive Plan**
- **Recommendation for Approval of the Study**



# Questions and Discussion



[www.orangecountyfl.net/TrafficTransportation/SunbridgeParkway](http://www.orangecountyfl.net/TrafficTransportation/SunbridgeParkway)