

*Transportation Planning Division*

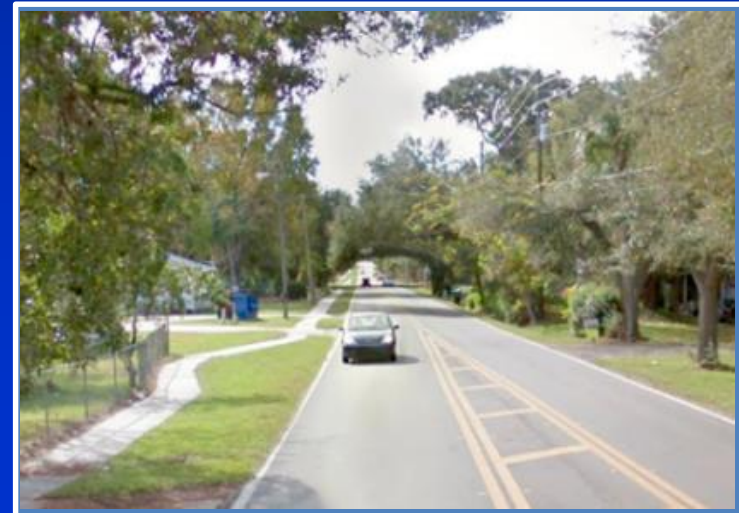
**Public Hearing**  
for the  
**Avalon Road RCA Study**  
to the  
**Board of County  
Commissioners**

June 4, 2019



# Presentation Outline

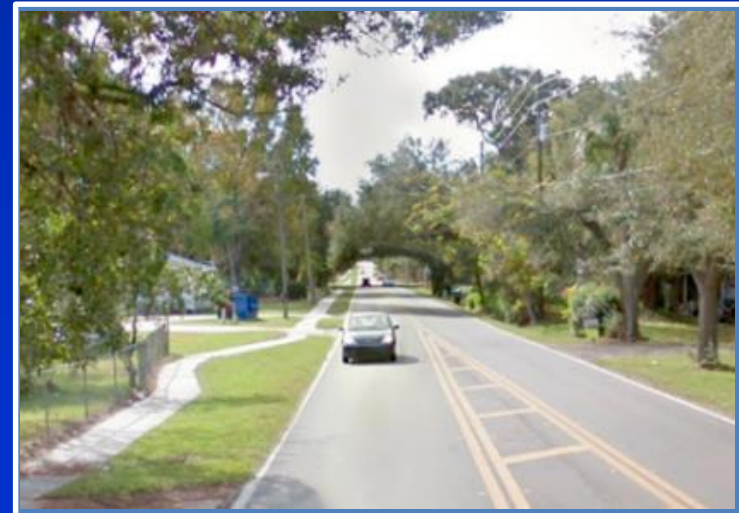
- **Study Overview**
- **Existing Conditions**
- **Public Involvement**
- **Alternatives & Recommendation**





# Presentation Outline

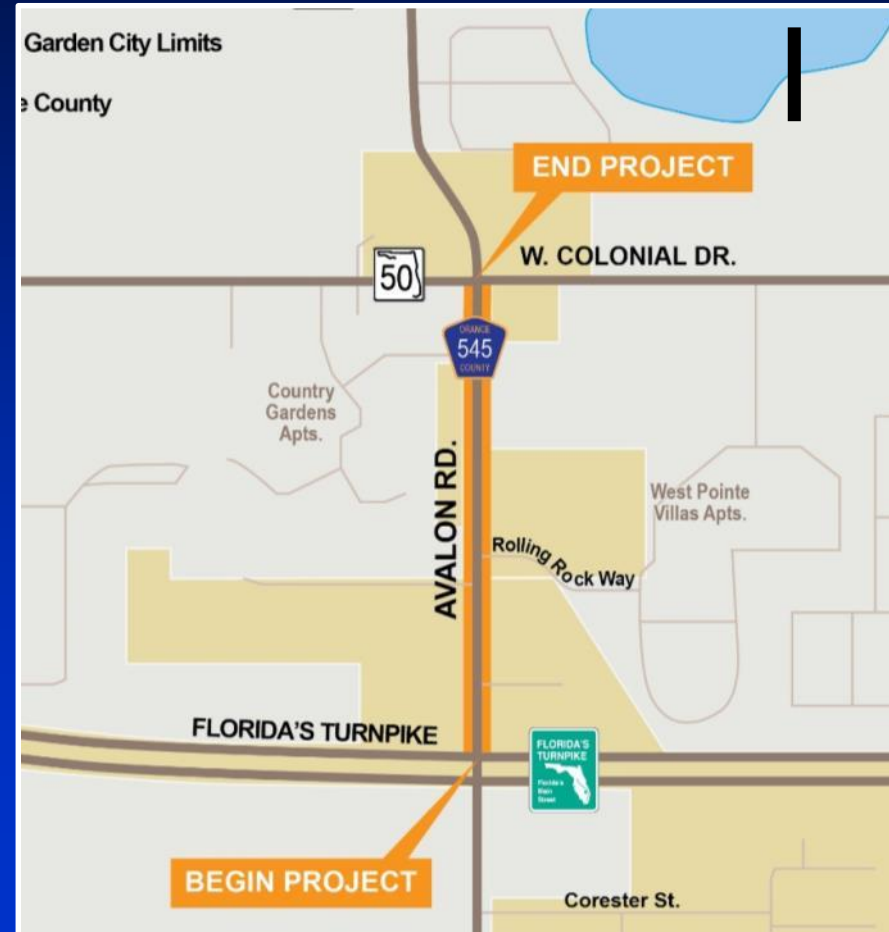
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# Study Overview

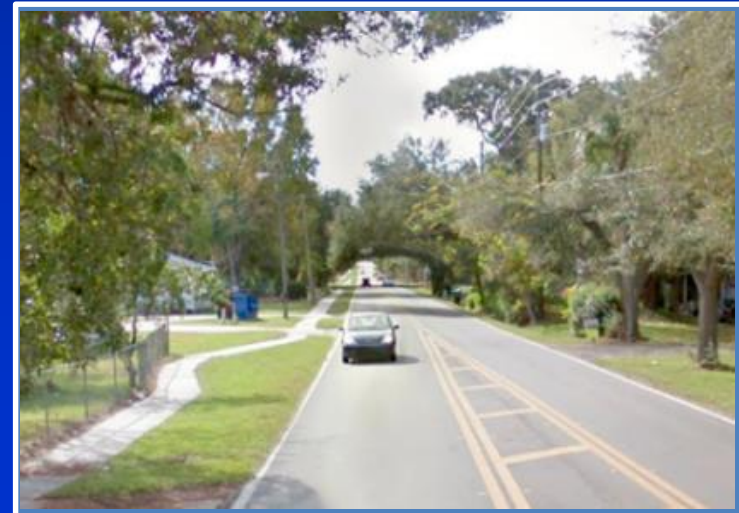
- **Avalon Road from Florida's Turnpike to SR 50 (W. Colonial Drive)**
  - Proposed widening to 4-Lanes
  - SR 50 intersection improvements
  - Access management improvements
  - Bicycle & pedestrian enhancements





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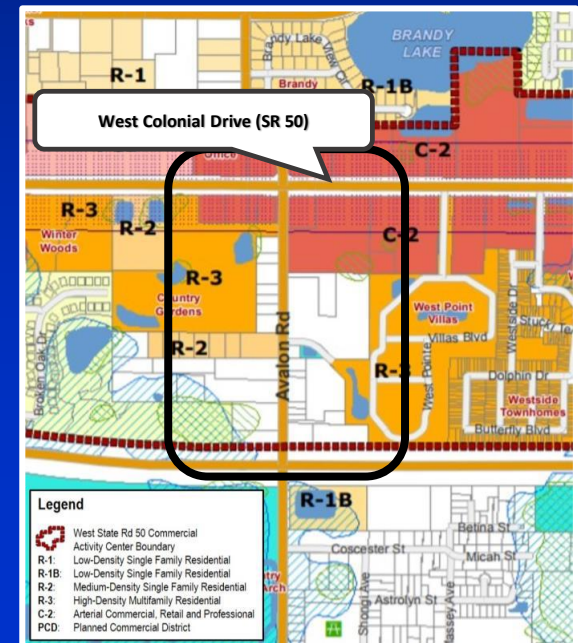






# Existing Conditions

- **Roadway Features**
  - Two-lane roadway
  - Sidewalk on east side
  - No bicycle facilities
  - Swale drainage
  - No lighting
- **Existing Zoning**
  - Land uses (R-1B, R-2, R-3, C-2)





# Existing Conditions

- **Historic Resources**
  - 19 Sites listed on the Department of Historical Resources - Florida Master Site File
  - Six site structures demolished
  - Two structures within proposed alignment
  - Historic marker consideration





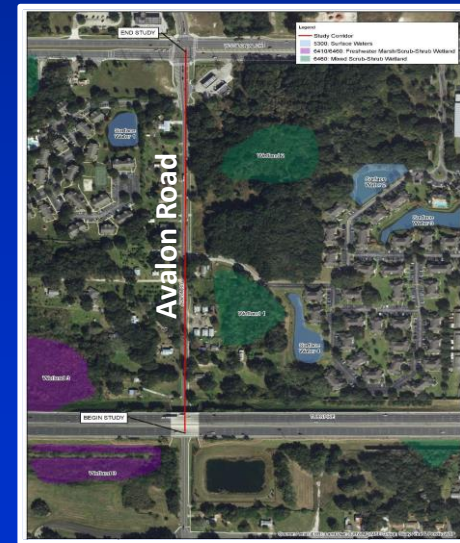


# Existing Conditions

- **Drainage**
  - St. John's River Water Management District
- **Wildlife**
  - No federal or state listed species or wildlife corridors
- **Wetlands**
  - Three Wetland Systems in vicinity of Avalon Road



Wildlife Zones



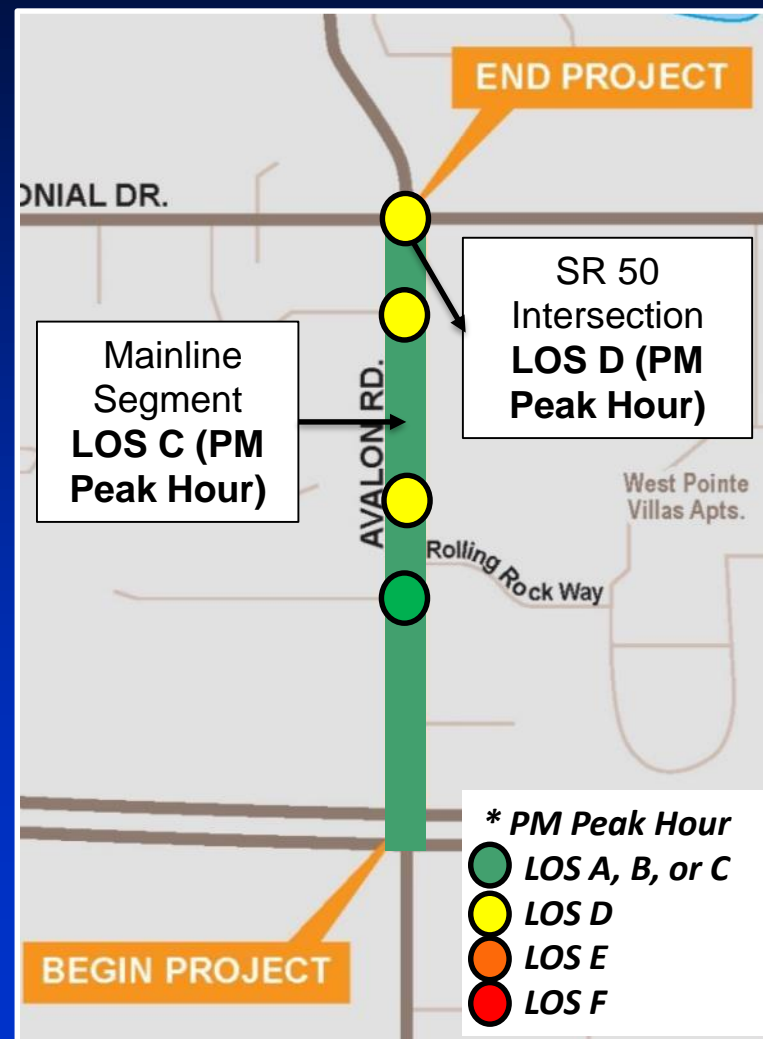
Wetland Zone Types





# Existing Conditions

- **Traffic Conditions**
  - Segment Level of Service (LOS) C\*
- **Crash Experience**
  - 66 Total Crashes in Study Area From 2014-2017, no Fatalities

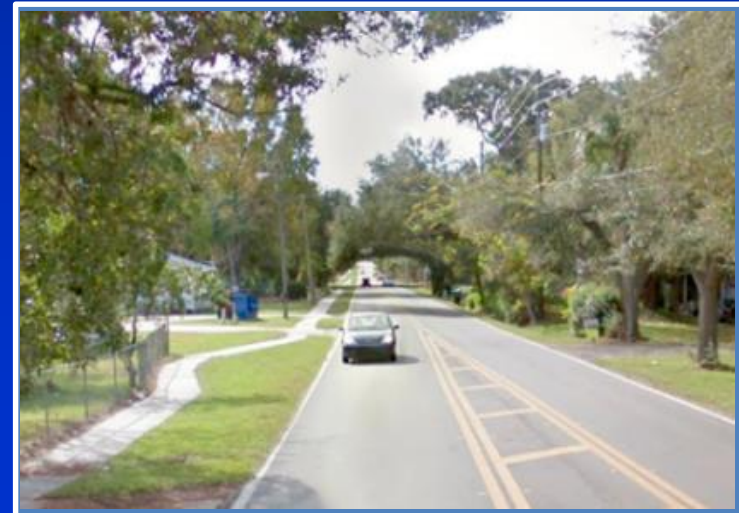


Note: For unsignalized intersections south of SR 50, LOS shown is for minor street movement



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# Project Schedule

## SCHEDULE

### Project Schedule Avalon Road

Roadway Conceptual Analysis (RCA) Study

2017

2018

2019

O N D J F M A M J J A S O N D J F M A M J J J



Data Collection

Study Begins

Corridor Analysis



Public Meeting No. 1

Improvement Alternatives Identified & Studied



Public Meeting No. 2

Preferred Improvement Identified & Studied



Workshops



Hearings



Study Approval



Today



Newsletter



Orange County LPA Workshop



Orange County BCC Workshop



Community Meeting



Orange County LPA Hearing

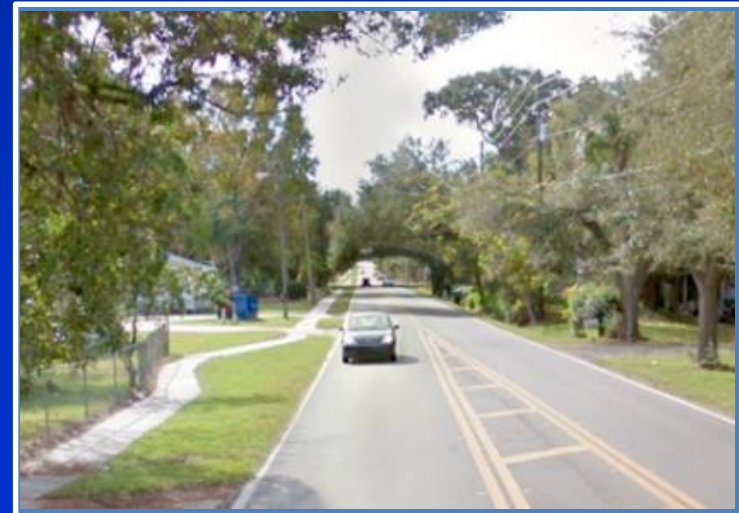


Orange County BCC Hearing



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# Alternatives & Recommendation

## Future Traffic Conditions

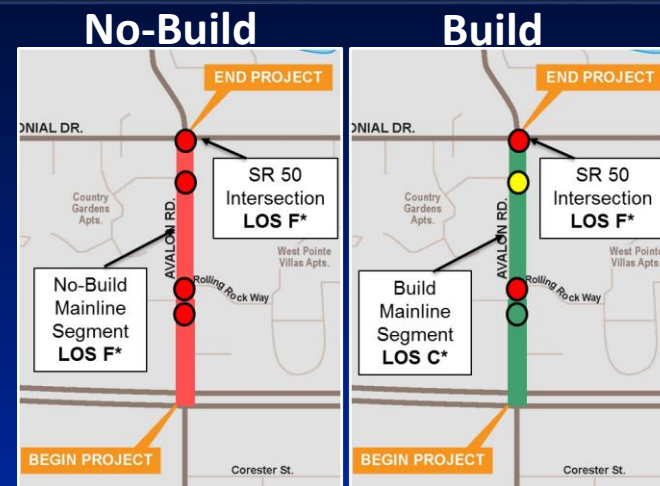
- 2045 No-Build LOS F
- 2045 Build LOS C

## Typical Section

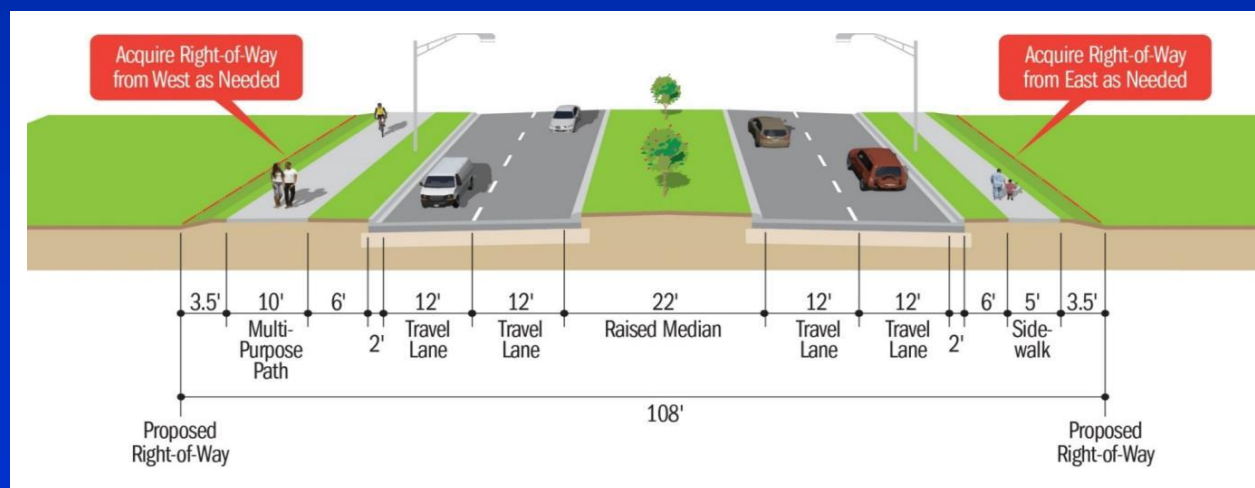
- 4-Lane divided section
- Ped/bike

## Alignments

- 4 studied



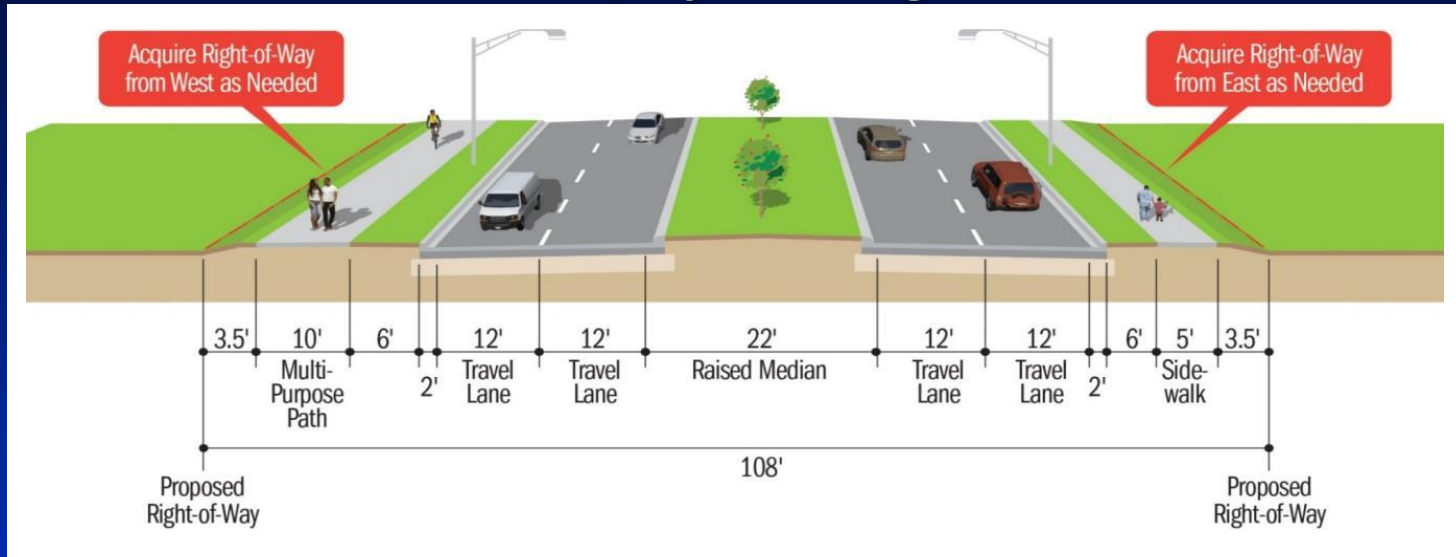
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# Alternatives & Recommendation

## Centered/Hybrid Alignment



## Preliminary Cost Estimate

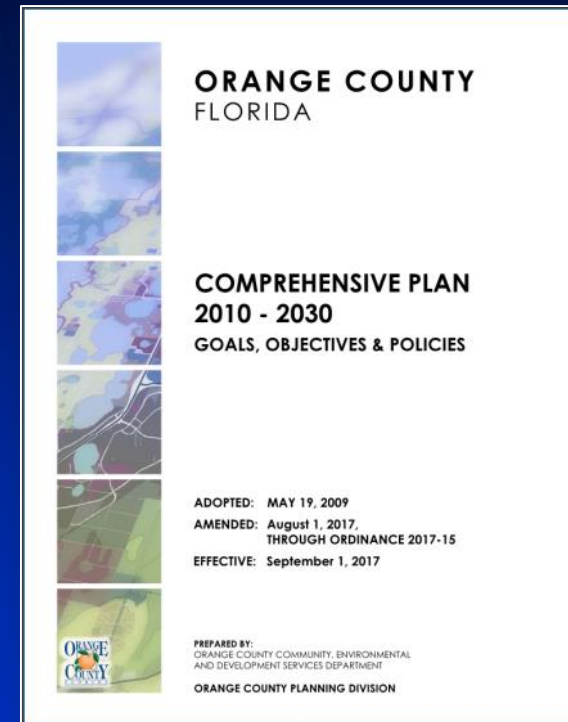
Category	Estimated Cost
Design	\$495,000
Right-of-Way Acquisition	\$321,000
Roadway Construction & CEI	\$3,797,000
<b>Total Cost</b>	<b>\$4,613,000</b>



# Alternatives & Recommendation

## ▪ Consistency with the Comprehensive Plan

- Implement Long Range Transportation Plan (Obj. T1.1)
- Implement financially-feasible multimodal transportation system (Obj. T1.3)
- Ensure LOS standards are met on County roads within unincorporated Orange County (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)





## Action Requested

- Find the Avalon Road Roadway Conceptual Analysis Study consistent with the Comprehensive Plan
- Approval of the study and advance the project to roadway design, right-of-way acquisition, and construction phases when funding becomes available.