

Board of County Commissioners

Public Hearing
Woodbury Road
Roadway Conceptual Analysis Study

May 18, 2021



Presentation Outline

- Study Overview
- Existing Conditions
- Public Engagement
- Alternatives Considered and Recommended Alternative
- Requested Action





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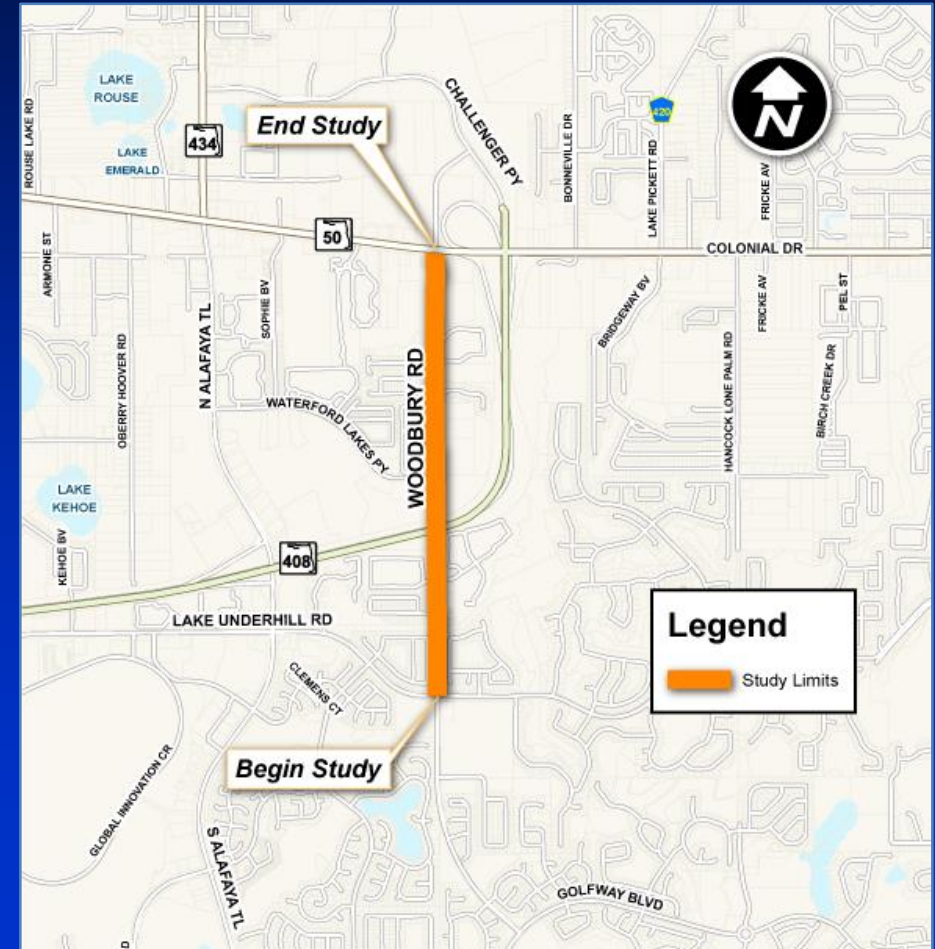


Study Overview

- **Woodbury Road project limits**
 - Lake Underhill Road to SR 50
 - 1.5 Miles
- **Study Purpose**
 - Identify Context Sensitive & Cost Feasible Improvements
 - Document Project Need
 - Balance Needs of All Users

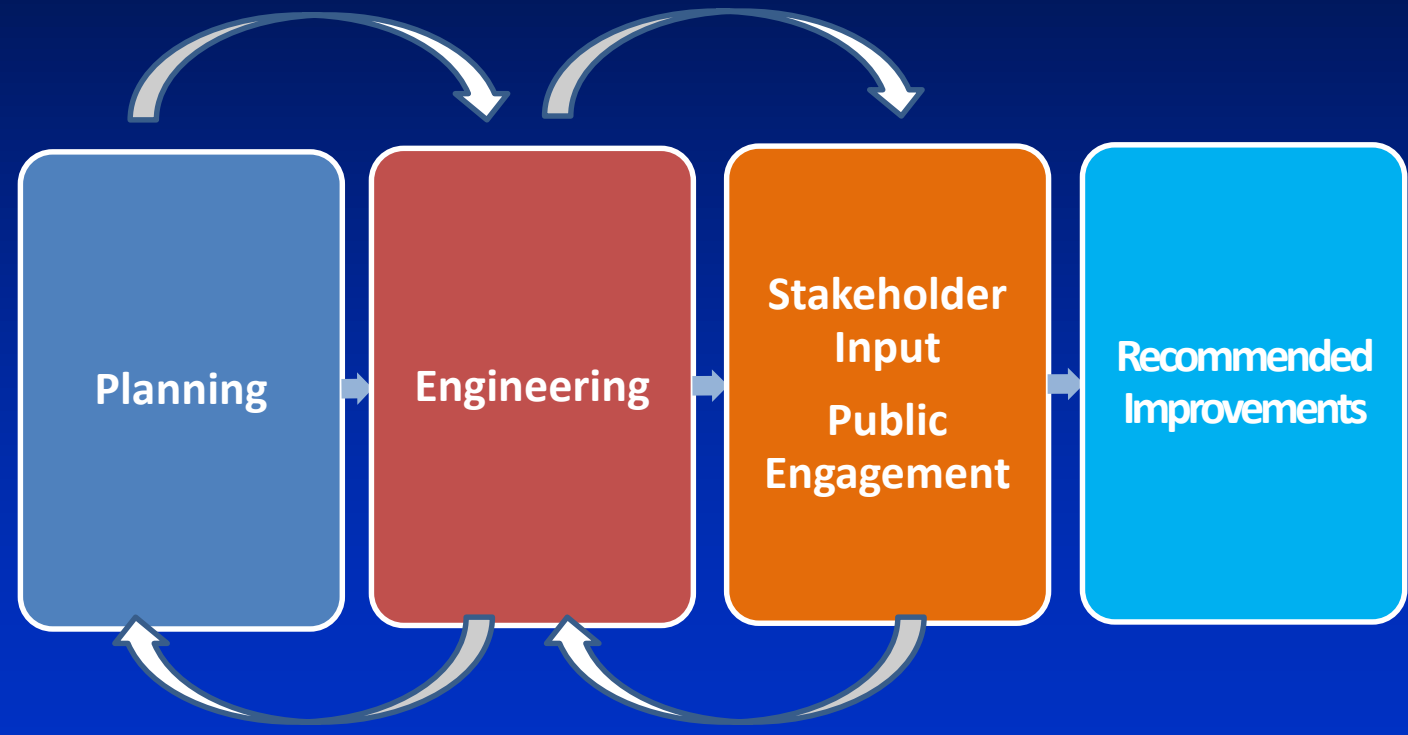










Project Location





Study Overview



-  Geometric Roadway Design
-  Complete Streets Analysis
-  Traffic Forecast & Analysis
-  Crashes
-  Access Management
-  Drainage
-  Environmental
-  Costs



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Existing Conditions

- Two-lane undivided urban roadway
- Bridge over SR 408
- Turn lanes at intersections
- Widens to 4 lanes approaching SR 50
- Speed Limit 40 MPH





Existing Conditions

- Mostly developed
- Single and multi-family residential
- Waterford Elementary School
- Discovery Middle School
- Some commercial
- Churches





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Public Engagement



Newsletters



Website

www.woodburyroadstudy.com



Community
Meetings



LPA/BCC
Public Hearings

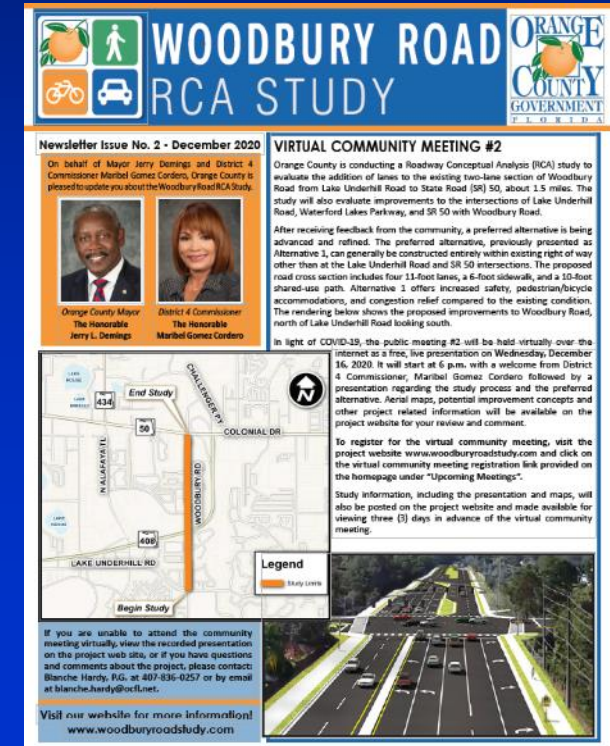
- 2 virtual community meetings
- Online survey
- Website with project documents
- Online comment form



Public Engagement

▪ Robust Outreach Participation

- Roughly 760 Newsletters were mailed prior to the two Community Meetings and the LPA and BCC Public Hearings. A final newsletter will be mailed after BCC approval
- Waterford Lakes Master HOA participated in mass email distribution of community meeting notices and information
- 39 people attended remotely held Community Meeting #1 and 21 people attended remotely held Community Meeting #2
- 153 Surveys were completed



WOODBURY ROAD RCA STUDY

Newsletter Issue No. 2 - December 2020

On behalf of Mayor Jerry Dearing and District 4 Commissioner Maribel Gomez Cordero, Orange County is pleased to update you about the Woodbury Road RCA Study.

Orange County Mayor
The Honorable Jerry L. Dearing

District 4 Commissioner
The Honorable Maribel Gomez Cordero

VIRTUAL COMMUNITY MEETING #2

Orange County is conducting a Roadway Conceptual Analysis (RCA) study to evaluate the addition of lanes to the existing two-lane section of Woodbury Road from Lake Underhill Road to State Road (SR) 50, about 1.5 miles. The study will also evaluate improvements to the intersections of Lake Underhill Road, Waterford Lakes Parkway, and SR 50 with Woodbury Road.

After receiving feedback from the community, a preferred alternative is being advanced and refined. The preferred alternative, previously presented as Alternative 1, can generally be constructed entirely within existing right of way other than at the Lake Underhill Road and SR 50 intersections. The proposed road cross section includes four 11-foot lanes, a 6-foot sidewalk, and a 10-foot shared-use path. Alternative 1 offers increased safety, pedestrian/bicycle accommodations, and congestion relief compared to the existing condition. The rendering below shows the proposed improvements to Woodbury Road, north of Lake Underhill Road looking south.



In light of COVID-19, the public meeting #2 will be held virtually over the internet as a live presentation on Wednesday, December 16, 2020. It will start at 6 p.m. with a welcome from District 4 Commissioner, Maribel Gomez Cordero followed by a presentation regarding the study process and the preferred alternative. Aerial maps, potential improvement concepts and other project related information will be available on the project website for your review and comment.

To register for the virtual community meeting, visit the project website www.woodburyroadstudy.com and click on the virtual community meeting registration link provided on the homepage under "Upcoming Meetings".

Study information, including the presentation and maps, will also be posted on the project website and made available for viewing three (3) days in advance of the virtual community meeting.

If you are unable to attend the community meeting virtually, view the recorded presentation on the project web site, or if you have questions and comments about the project, please contact: Blanche Hardy, P.E., at 407-836-0257 or by email at Blanche.hardy@ocfl.net.

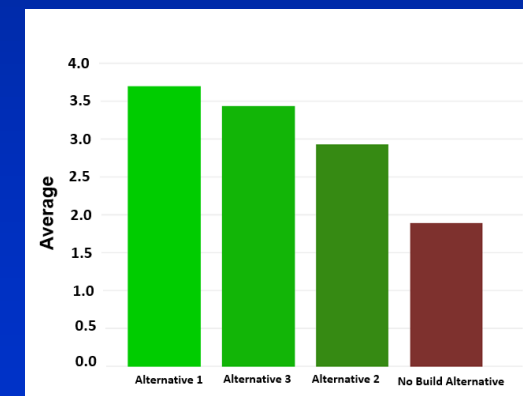
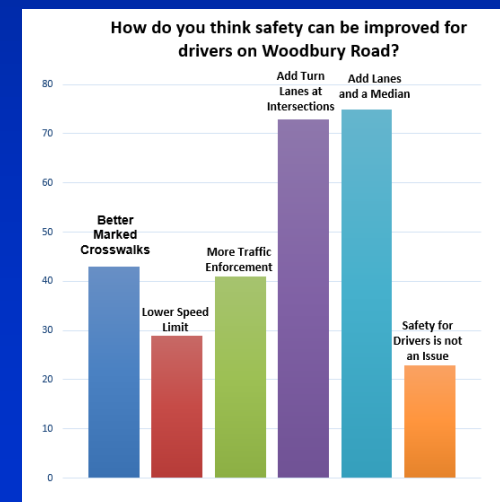
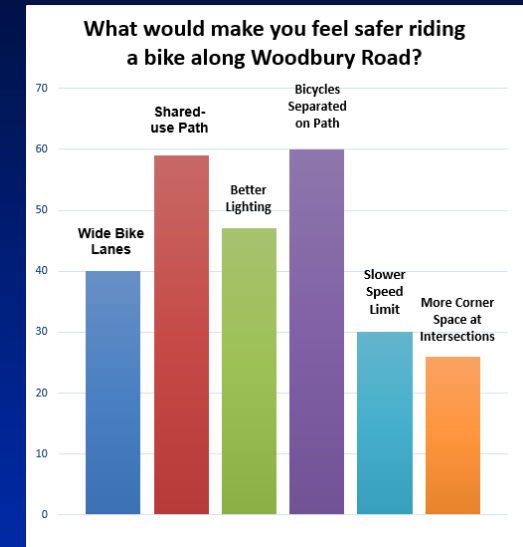
Visit our website for more information!
www.woodburyroadstudy.com





Public Engagement

- People preferred bikes sharing an off-road path with pedestrians
- Wider sidewalks, better lighting, and a shared-use path
- Increased pedestrian safety at the Lake Underhill Road intersection
- Adding roadway and intersection turn lanes and a median
- Current 40 mph speed limit is just right
- People felt Alternative 1 best aligns with their preferences





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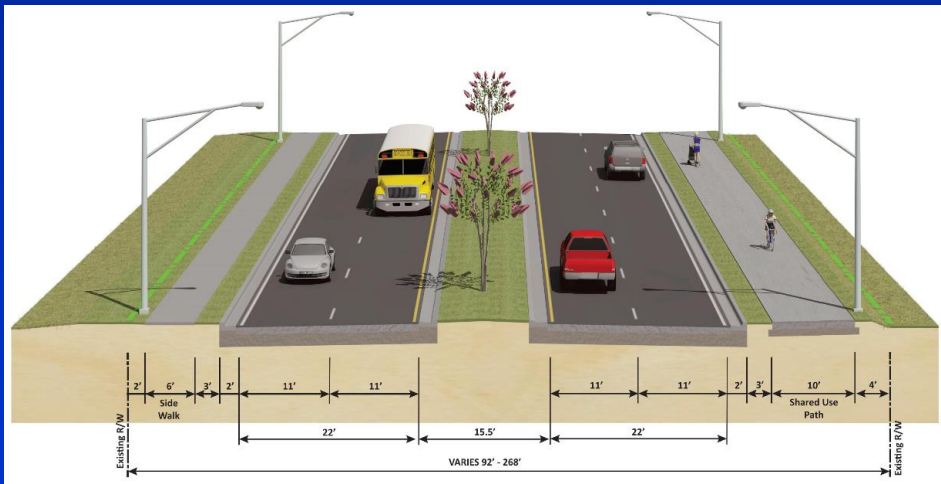
Alternatives Considered

Evaluation Matrix

Evaluation Criteria	No-Build	Alternative 1 Shared-Use Path, Sidewalk, No Bike Lanes	Alternative 2 Sidewalks, On-Street Bike Lanes	Alternative 3 Shared-Use Path, Sidewalk, On-Street Bike Lanes
Residential/Business Acquisitions	None	0	0	0
Parcels Impacted	None	12	39	39
Social & Neighborhood	None	Low	Med	Med
T&E Species	None	No Adverse Impacts	No Adverse Impacts	No Adverse Impacts
Wetlands (ac)	None	4.4	6.2	6.2
Floodplains (ac)	None	1.9	1.9	1.9
Design	None	\$3,661,000	\$3,878,000	\$3,975,000
Right-of-Way & Mitigation	None	\$3,642,000	\$4,037,000	\$4,255,000
Construction & CEI	None	\$28,068,000	\$29,734,000	\$30,473,000
Reimbursable Utility Relocation	None	\$1,000,000	\$1,000,000	\$1,000,000
Total	None	\$36,371,000	\$38,649,000	\$39,703,000



Recommended Alternative



IMPROVEMENTS

Improves mobility for people walking and biking

Requires little or no additional right-of-way

Minimizes stormwater run-off

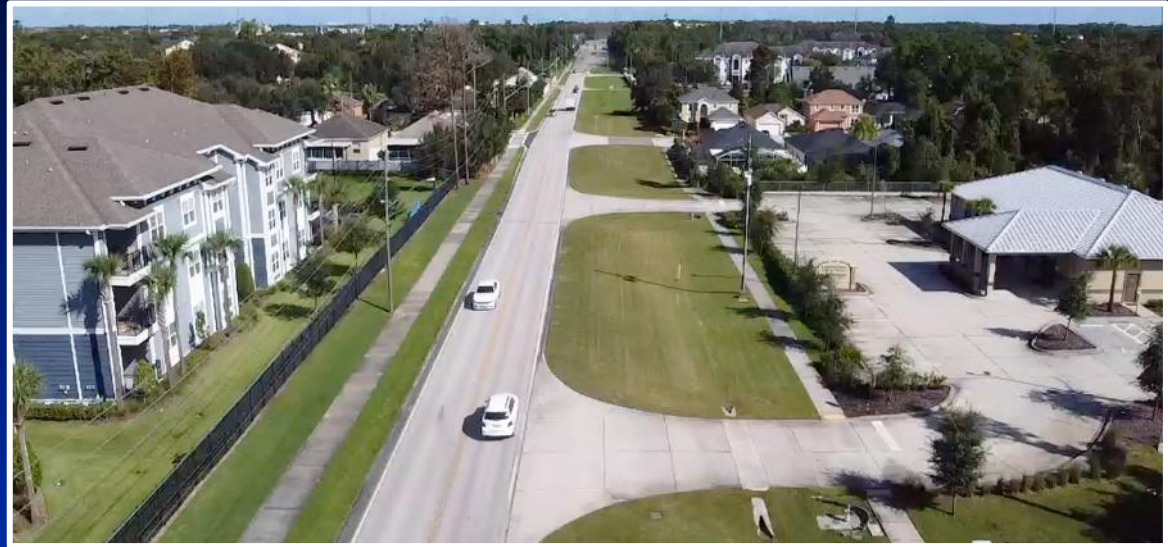
Lowest construction cost of the three Build Alternatives



Recommended Alternative

Existing Conditions

North of Waterford Lakes
Parkway looking north
toward SR 50



Future Conditions

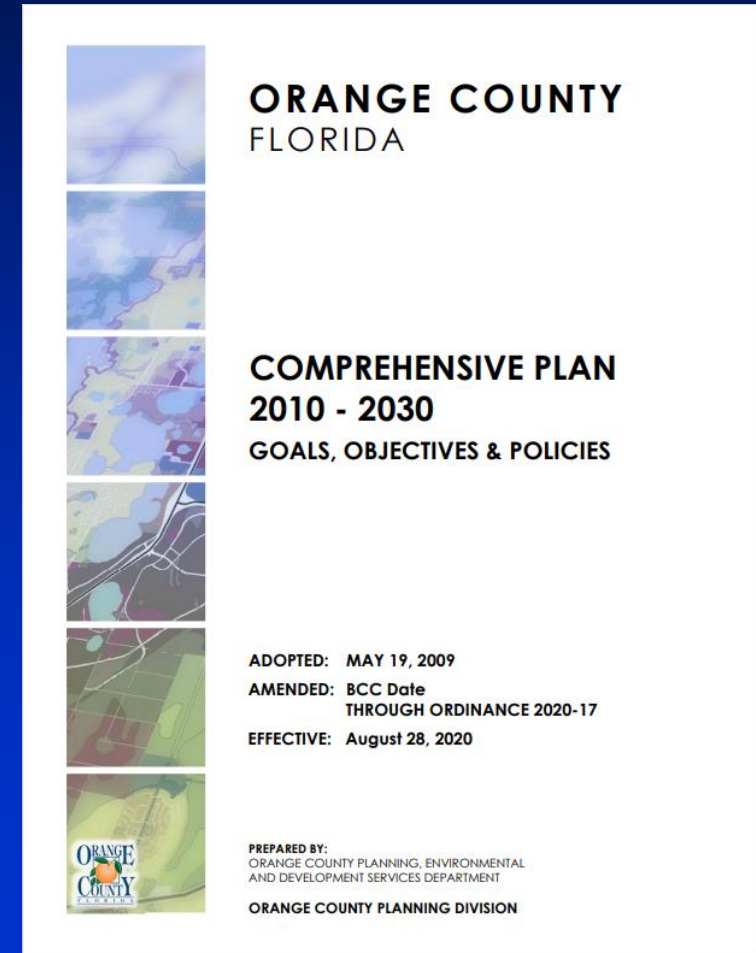
Proposed Alternative
1 Improvements





Recommended Alternative

- **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)





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Action Requested

- Make and finding of consistency with the Comprehensive Plan;
- Approve the Woodbury Road Roadway Conceptual Analysis Report From Lake Underhill Road to State Road 50;
- Authorization for staff to initiate the design, right-of-way acquisition, and construction phases of the project.

District 4