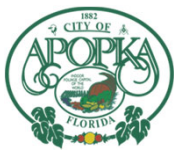




Rock Springs Road Study & West Orange Trail Extension Study

People of Wekiwa Springs – Community Presentation

December 6, 2022



Presentation Agenda

1. Overview of Studies
 - Public Engagement
2. West Orange Trail Recommended Alternatives
3. Rock Springs Road Recommended Alternatives
4. Survey Feedback & Next Steps

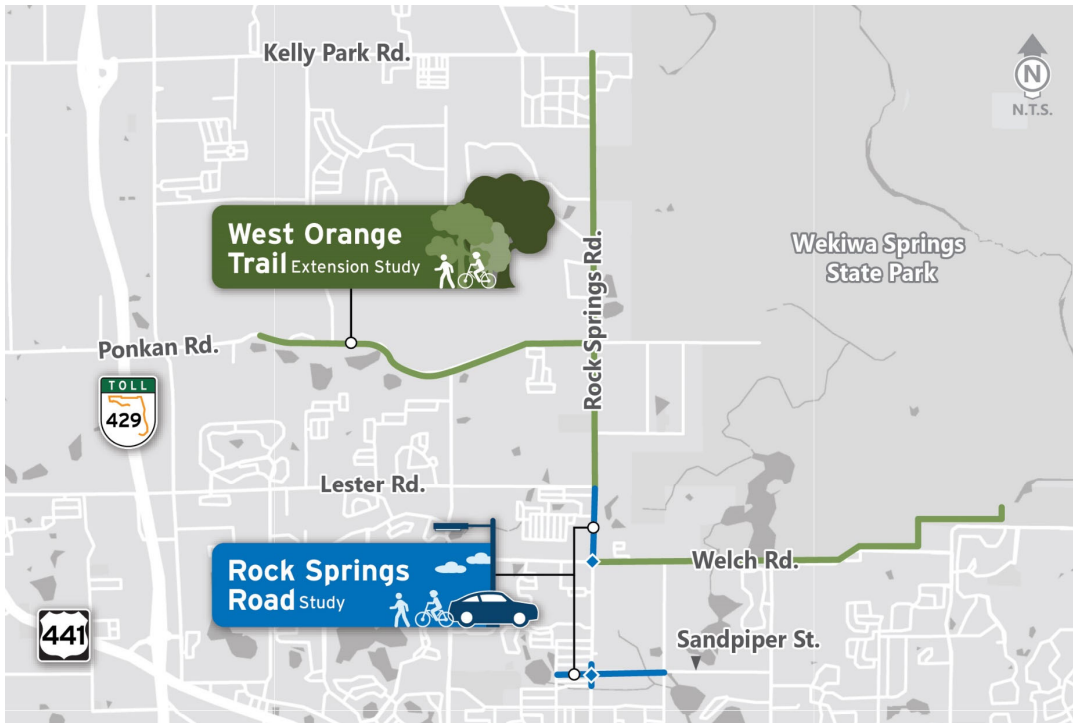
**Rock Springs
Road** Study



**West Orange
Trail** Extension Study



Study Overview



We are here!



Public Engagement



Community Meeting #1

- Live virtual meeting to present study alternatives
- Included a supplemental virtual meeting room on study site through February



Community Meeting #2

- To share study recommendations for public input
- Hybrid meeting (in person and virtual)



June – July 2021

January 27, 2022

January – February 2022

September 22, 2022

September – October 2022

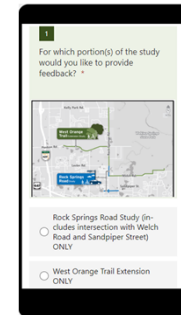
Kickoff Survey

- Survey responses received: 627
- To gather initial input about the needs of the corridor



Survey #2

- Survey responses received: 628
- To gather feedback from the community on the alternatives considered



Survey #3

- Survey responses received: 275
- To gather feedback from the community on the study recommendations

West Orange Trail Extension Study

Proposed Updates

Project Purpose and Need



The purpose of this study is to:

- Extend West Orange Trail from existing northern end at Lester Road to proposed Wekiva Trail at Kelly Park Road
- Provide connection to the Wekiwa Springs State Park Entrance and Seminole County's Wekiva River Blueway Trails
- Provide connection to Wolf Lake Elementary, Wolf Lake Middle, and Apopka City-Athletic Complex








ORANGE COUNTY TRAILS MASTER PLAN

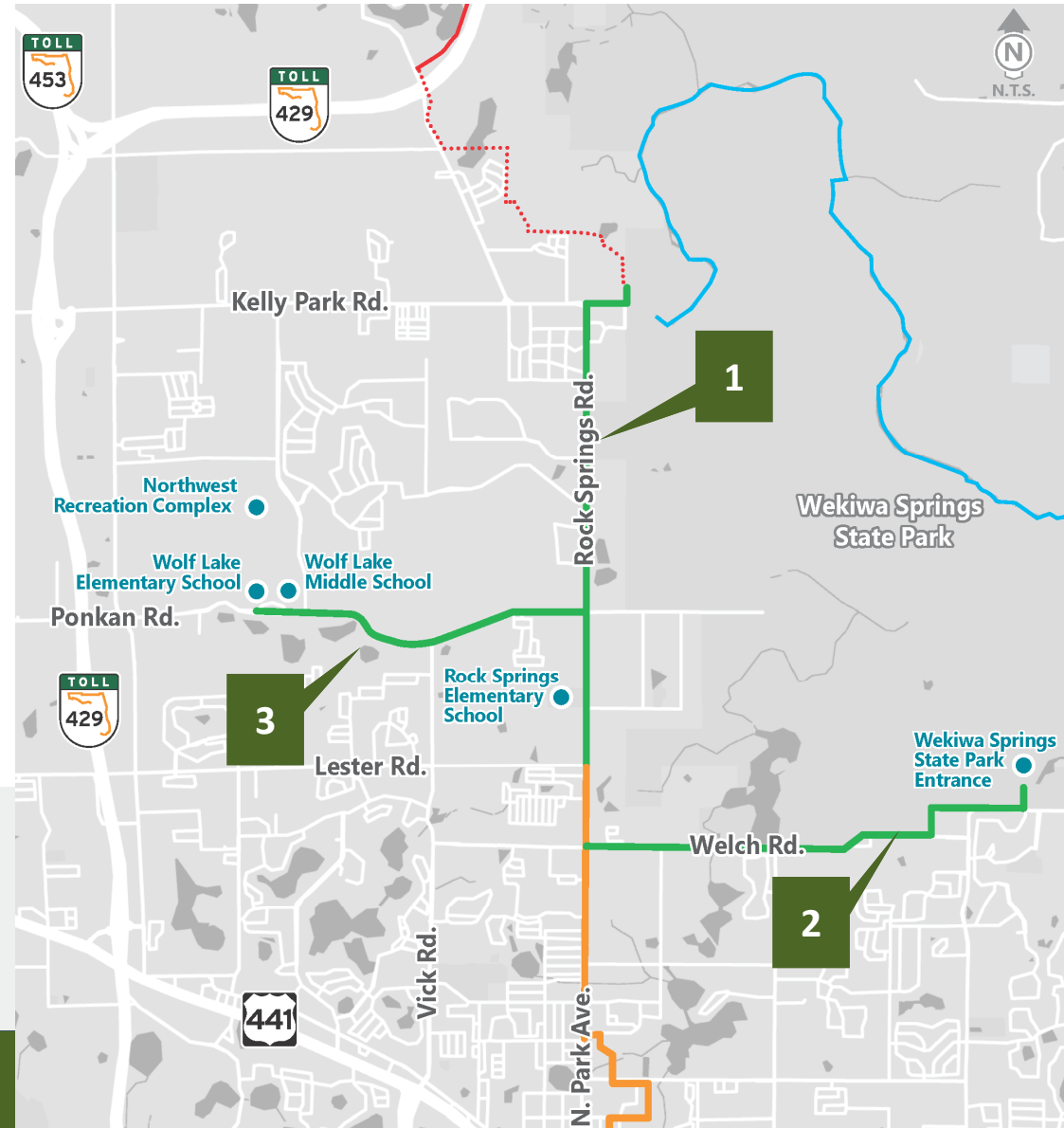
May 2021



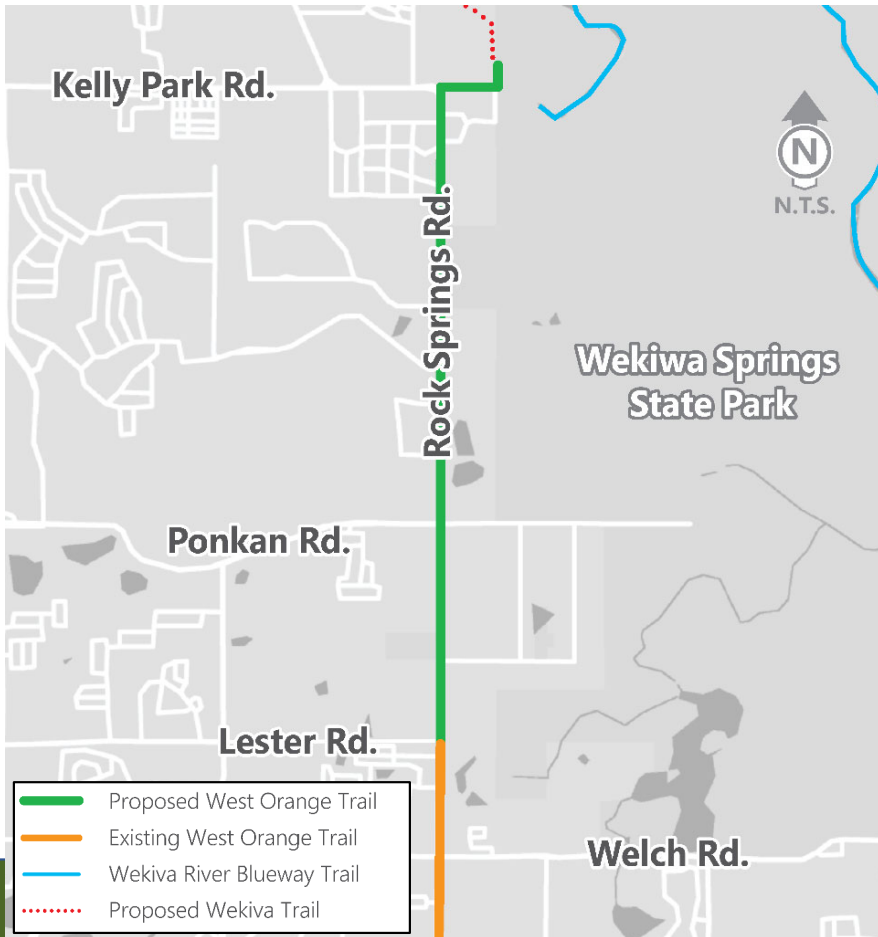
Overview of Recommended Trail Routes

1. Rock Springs Road from Lester Road to Kelly Park Road
2. Welch Road and Wekiwa Springs Road from Rock Springs Road to the Wekiwa Springs State Park entrance
3. Ponkan Road from Rock Springs Road to the Wolf Lake Elementary and Middle Schools

-  Proposed West Orange Trail
-  Existing West Orange Trail
-  Wekiva River Blueway Trail
-  Proposed Wekiva Trail
-  Existing Wekiva Trail



West Orange Trail Extension

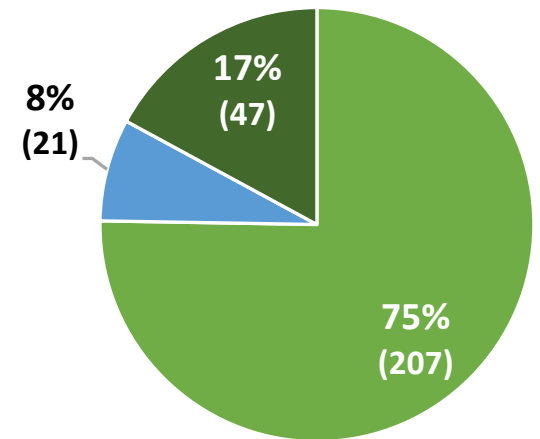


Recommended trail extension alignment

- East side of Rock Springs Road from Lester Road to proposed Wekiva Trail (at Kelly Park Road)

Public Survey Results

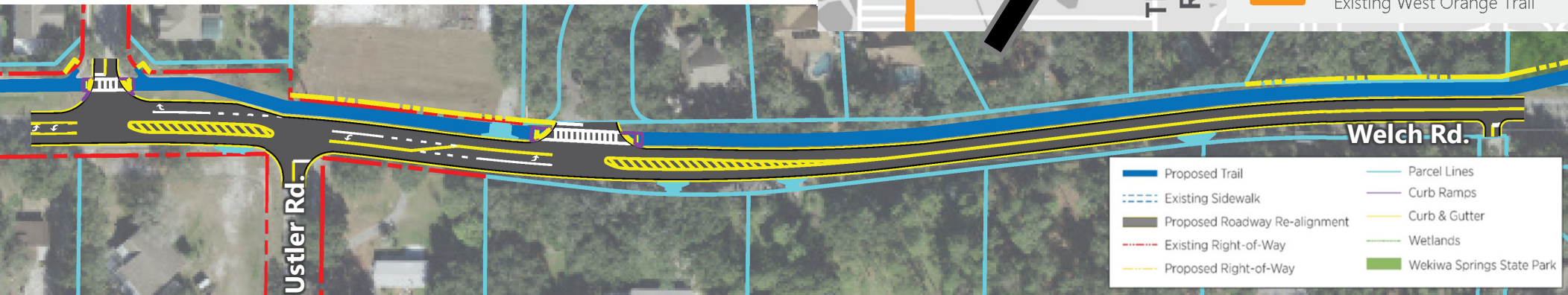
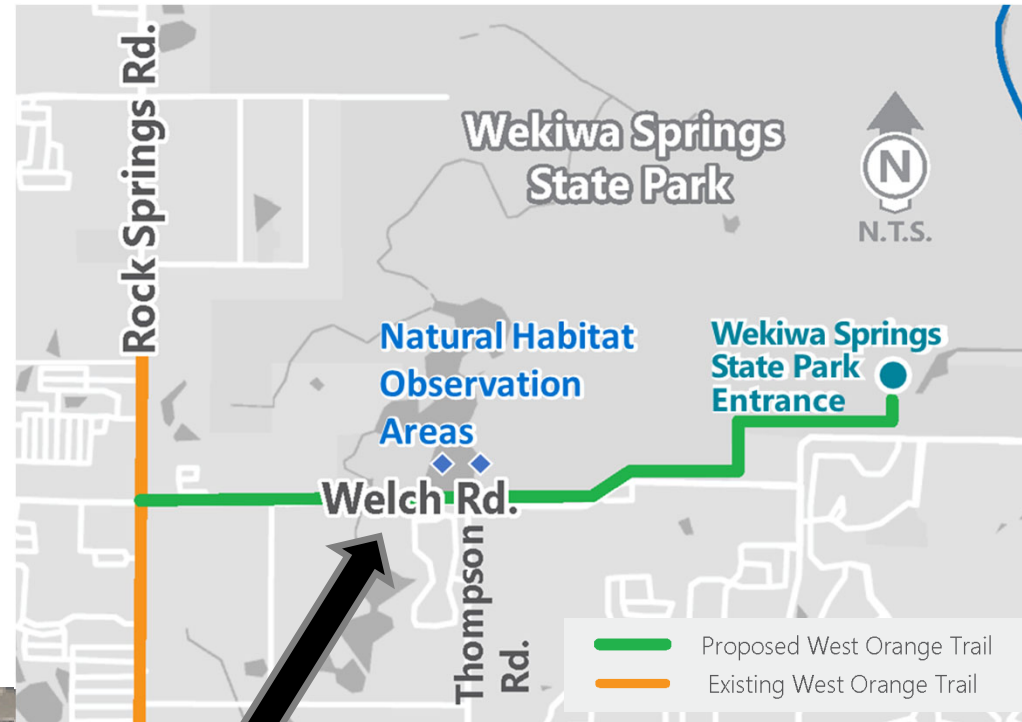
- I support the recommended trail alignment
- I'd like to recommend a different trail alignment
- I do not support the recommended trail alignment



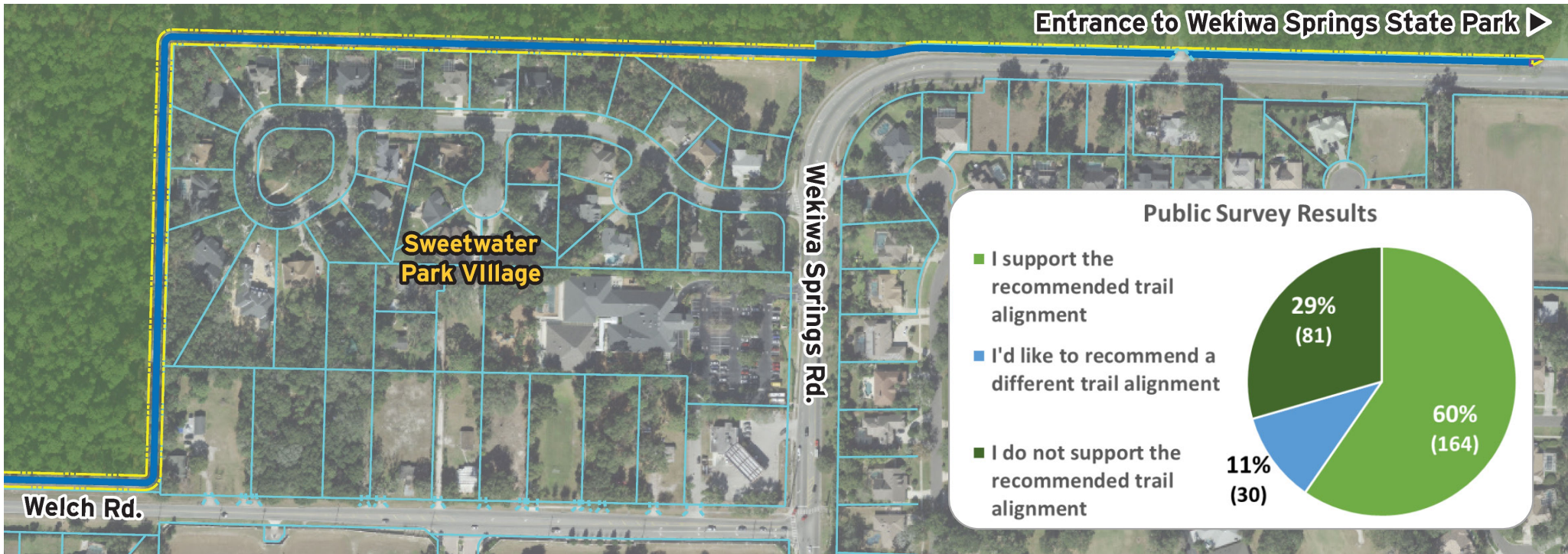
Welch Road Trail Spur

Recommended trail spur alignment

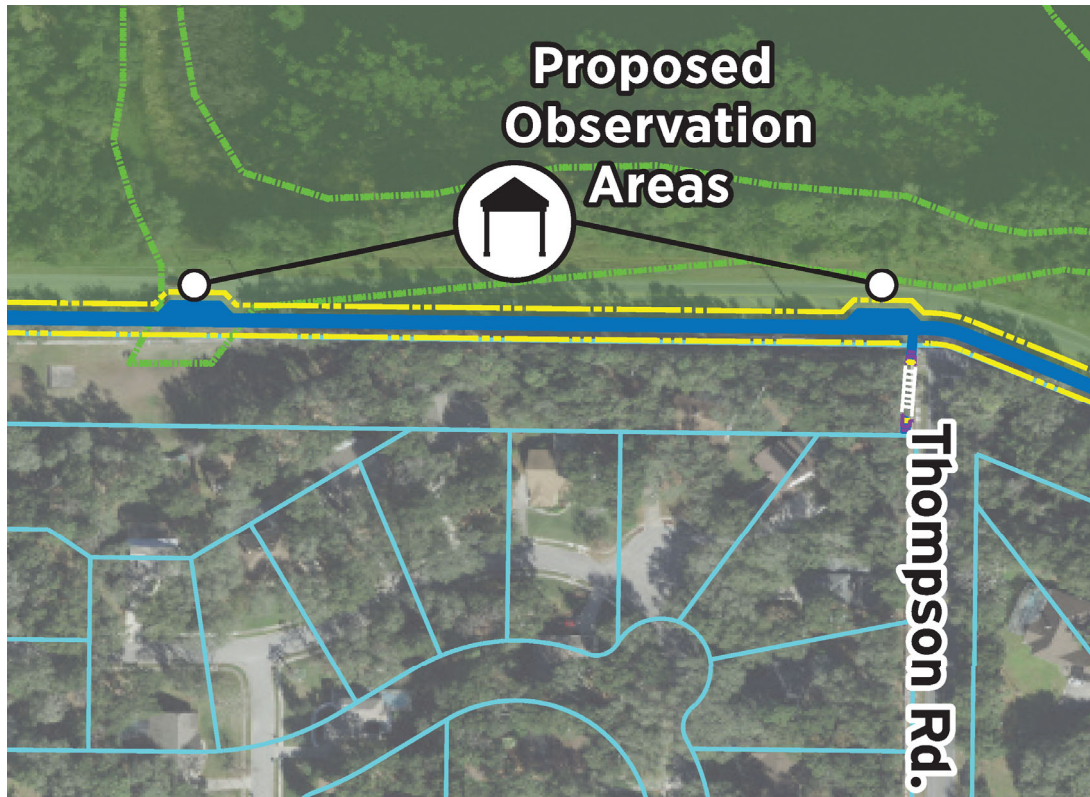
- Requires realignment of portion of Welch Road east of Ustler Road
- Runs behind Sweetwater Park Village along State Park Boundary
- Potential natural habitat observation areas



Welch Road Trail Spur



Welch Road Trail Natural Habitat Observation Areas



Ponkan Road Trail Spur

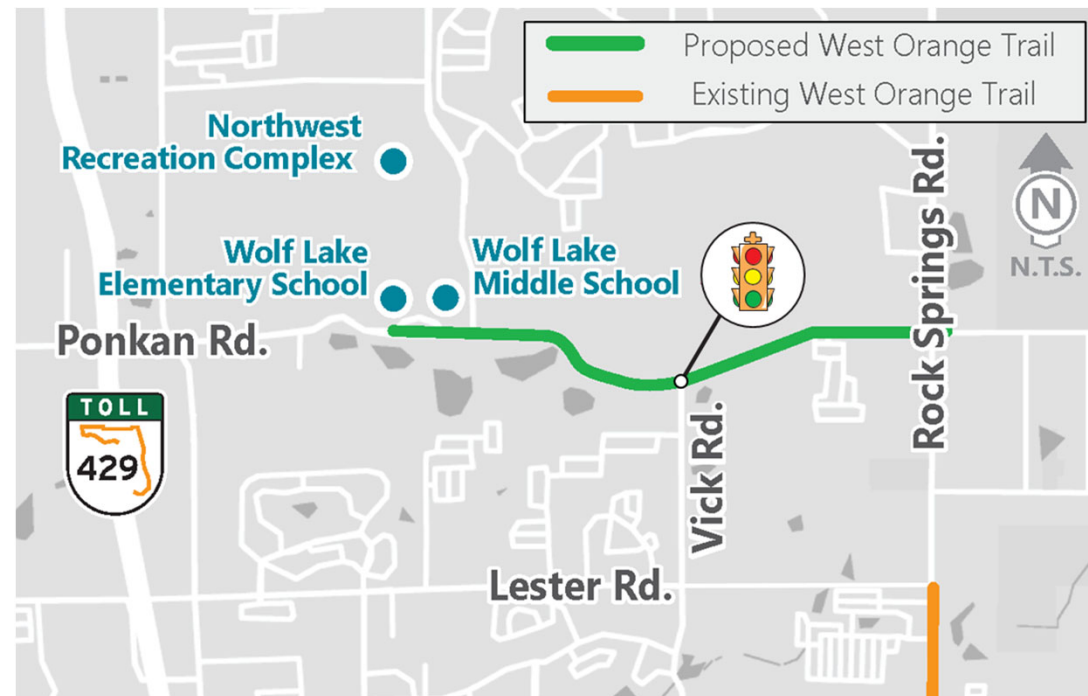
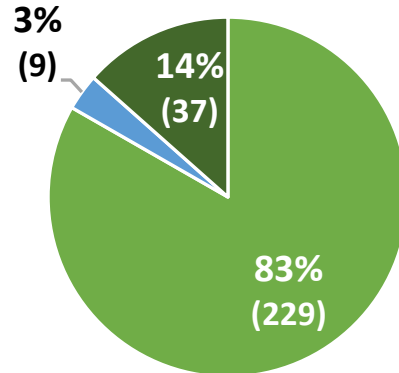


Recommended trail spur alignment

- South side of Ponkan Road from Rock Springs Road to Vick Road
- Protected cross-walk at Vick Road signal
- North side of Ponkan Road from Vick Road to Wolf Lake schools

Public Survey Results

- I support the recommended trail alignment
- I'd like to recommend a different trail alignment
- I do not support the recommended trail alignment





Anticipated Impacts



Environmental

- Threatened and Endangered Species
 - 12 protected wildlife species have the potential to occupy habitats within or adjacent to the proposed trails on Ponkan Road and Welch Road
 - 3 out of 12 species may be affected, but not adversely affected
 - Low potential for impacts to listed species along Rock Springs Road
- Wetlands
 - Low potential for impacts to wetlands along Rock Springs Road and Ponkan Road
 - Two wetland areas located along Welch Road
- Contamination Sites
 - 39 sites are found adjacent to the three trail alignments
 - Proposed trails are not likely to impact any of the listed sites



Community

- The proposed trails will introduce additional recreational facilities adjacent to residential communities and are anticipated to enhance the community



Anticipated Impacts



Right-of-way

- 2.5 acres of right-of-way impact on Rock Springs Road
 - 0.5 acres of right-of-way required within Park easement along Rock Springs Road (to be provided by Wekiwa Springs State Park)
- 5.8 acres of right-of-way impact on Welch Road
 - 2.7 acres of right-of-way required within Park easement along Welch Road (to be provided by Wekiwa Springs State Park)
- 2.1 acres of right-of-way impact on Ponkan Road



Drainage

- Moderate potential for impacts to drainage systems
 - Anticipated impacts to 3 elongated ponds along Welch Road
 - Anticipated impacts to three cross drains along Welch Road and on Rock Springs Road
 - Anticipated impacts to swales along Welch Road
- Necessary adjustments will be determined in design to provide adequate stormwater system



Estimated Construction Cost

- Rock Springs Road from Lester Road to Kelly Park Road - \$5.0 million
- Welch Road from Rock Springs Road to Wekiwa Springs State Park - \$5.2 million
- Ponkan Road from Rock Springs Road to Wolf Lake Elementary and Middle Schools - \$5.5 million

Rock Springs Road Study

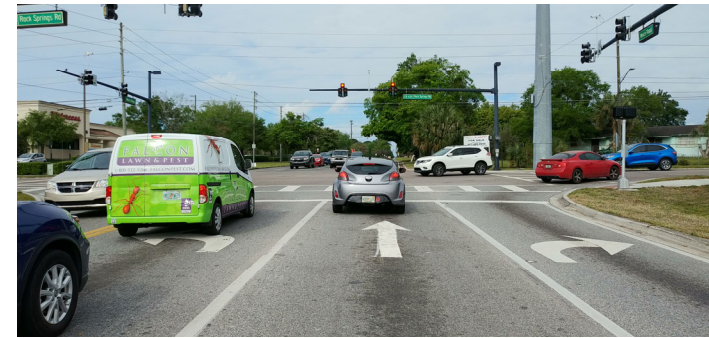
Proposed Updates

Project Purpose and Need



The purpose of this study is to:

- Establish a safe and efficient access management plan for the study corridor
 - Existing five-lane typical section results in several conflict points throughout the study segment
- Determine intersection improvements for Rock Springs Road and Welch Road to reduce significant intersection delays
- Evaluate the realignment and signalization at the Sandpiper Street and Park Avenue intersection
- Evaluate the need for sidewalks along Sandpiper Street from Lake Avenue to Ustler Road



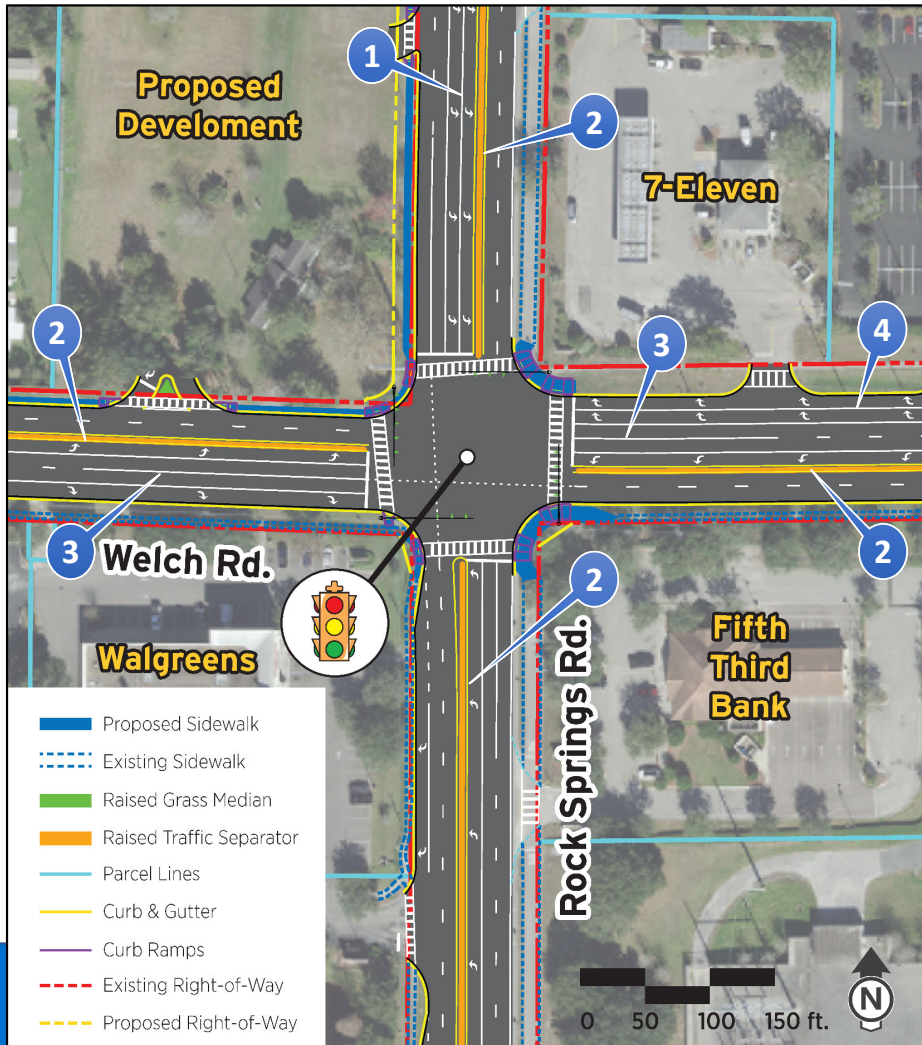
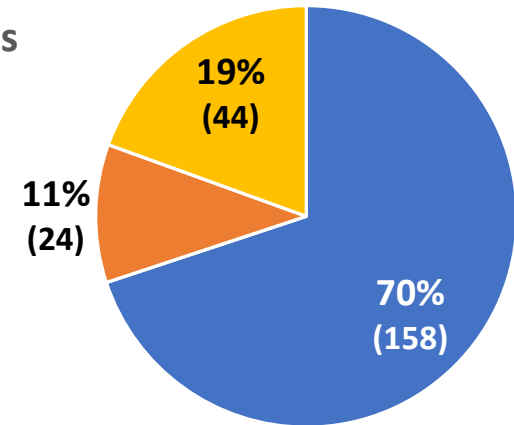
Welch Road Intersection Recommendations



1. Dual southbound left turn lanes
2. Add traffic separators
3. Provide thru lanes for both eastbound and westbound
4. Dual westbound dedicated right turn lanes

Public Survey Results

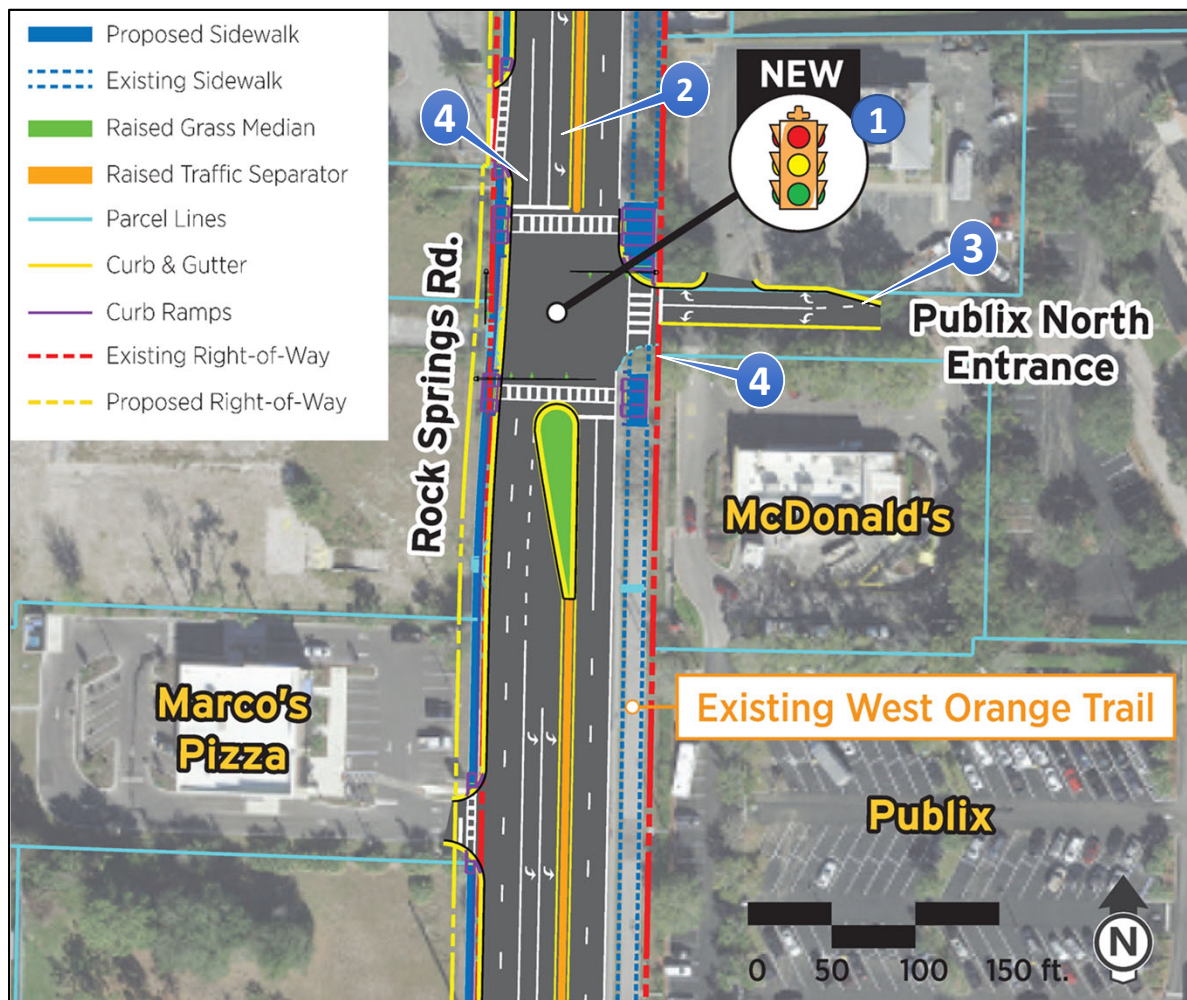
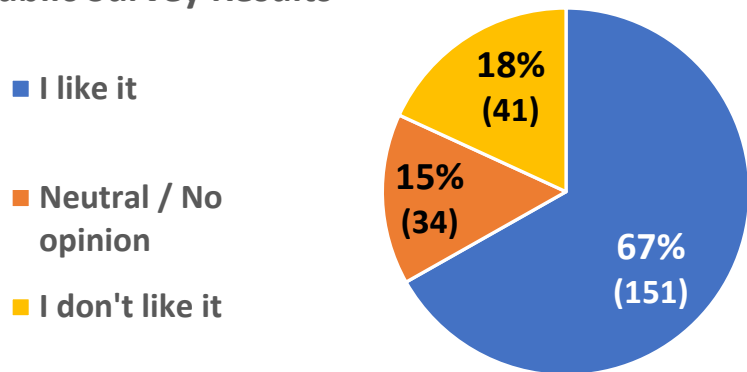
- I like it
- Neutral / No opinion
- I don't like it



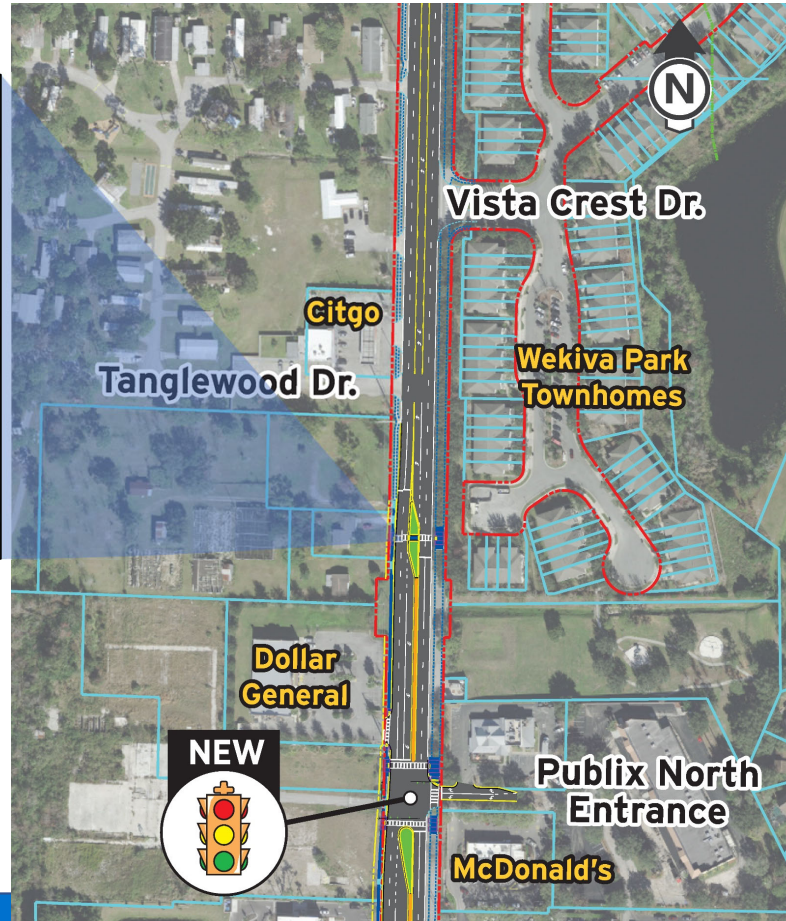
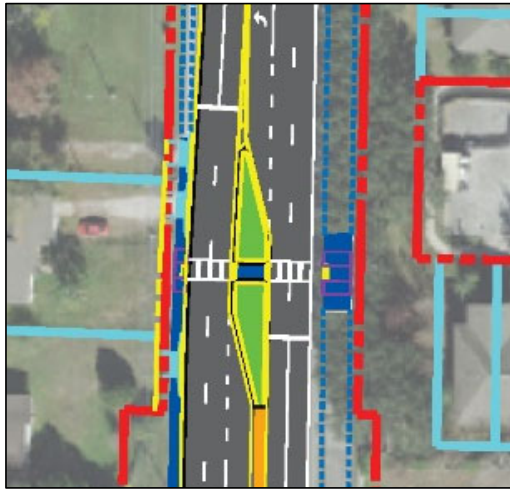
Recommended Signal at Publix North Entrance Intersection

1. New signalized intersection
2. Dedicated southbound left turn lane with raised traffic separator
3. Westbound right and left turn lanes
4. New pedestrian crosswalks

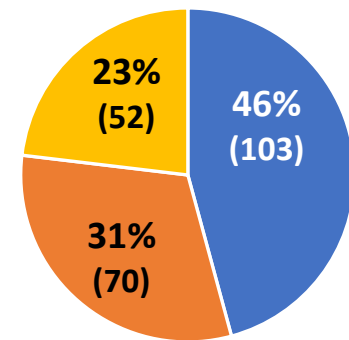
Public Survey Results



Mid-block Crosswalk South of Tanglewood Drive



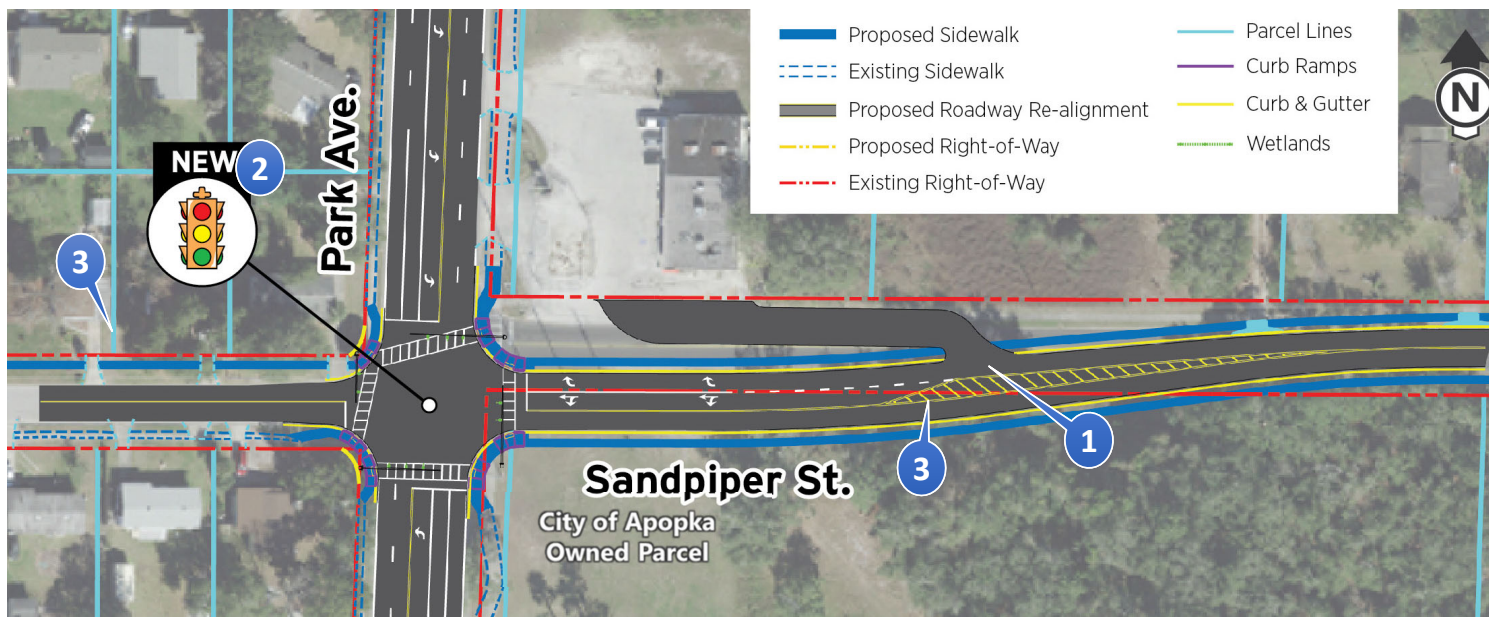
Public Survey Results



■ I like it ■ Neutral / No opinion ■ I don't like it

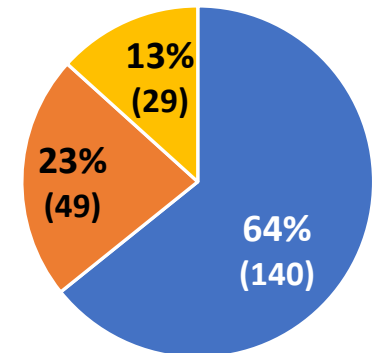
- Respondents concerned for pedestrian safety

Sandpiper Street at Park Avenue



1. Realign Sandpiper Street
2. Signalize intersection
3. Construct new sidewalk

Public Survey Results

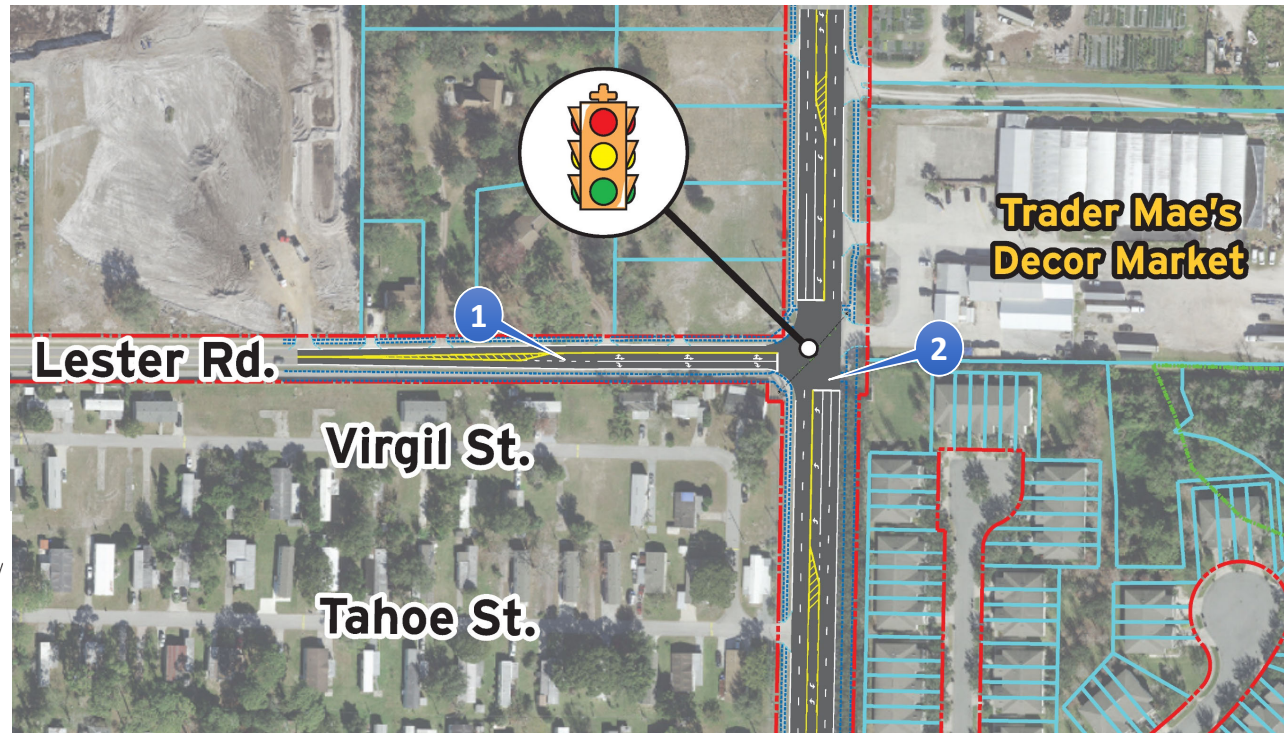


- I like it
- Neutral / No opinion
- I don't like it

Lester Road Intersection Recommendations



1. Extended turn lane storage
2. Updated intersection striping



- | | |
|--------------------------|-----------------------|
| Proposed Sidewalk | Existing Right-of-Way |
| Existing Sidewalk | Proposed Right-of-Way |
| Raised Grass Median | Parcel Lines |
| Raised Traffic Separator | Curb Ramps |
| | Curb & Gutter |
| | Wetlands |

*see Sandpiper Street at Park Avenue Improvements board for additional concept

Anticipated Impacts



Environmental

- Overall low potential for environmental impacts



Community

- The recommended updates are anticipated to enhance the community



Right of way

- Approximately .56 acres anticipated for improvements
- Portion of right of way needed is planned for donation from coming development in northwest corner of Welch Road intersection



Drainage

- The existing ponds receiving runoff from the project area have additional capacity. Therefore, no additional pond sites are needed



Estimated Construction Cost

- Rock Springs Road - \$6.5 million
- Sandpiper Street – \$1.6 million

Sandpiper Street Sidewalk Improvements



← from Lake Avenue to Park Avenue | from Park Avenue to Ustler Road →



— Proposed Sidewalk

- - - Existing Sidewalk

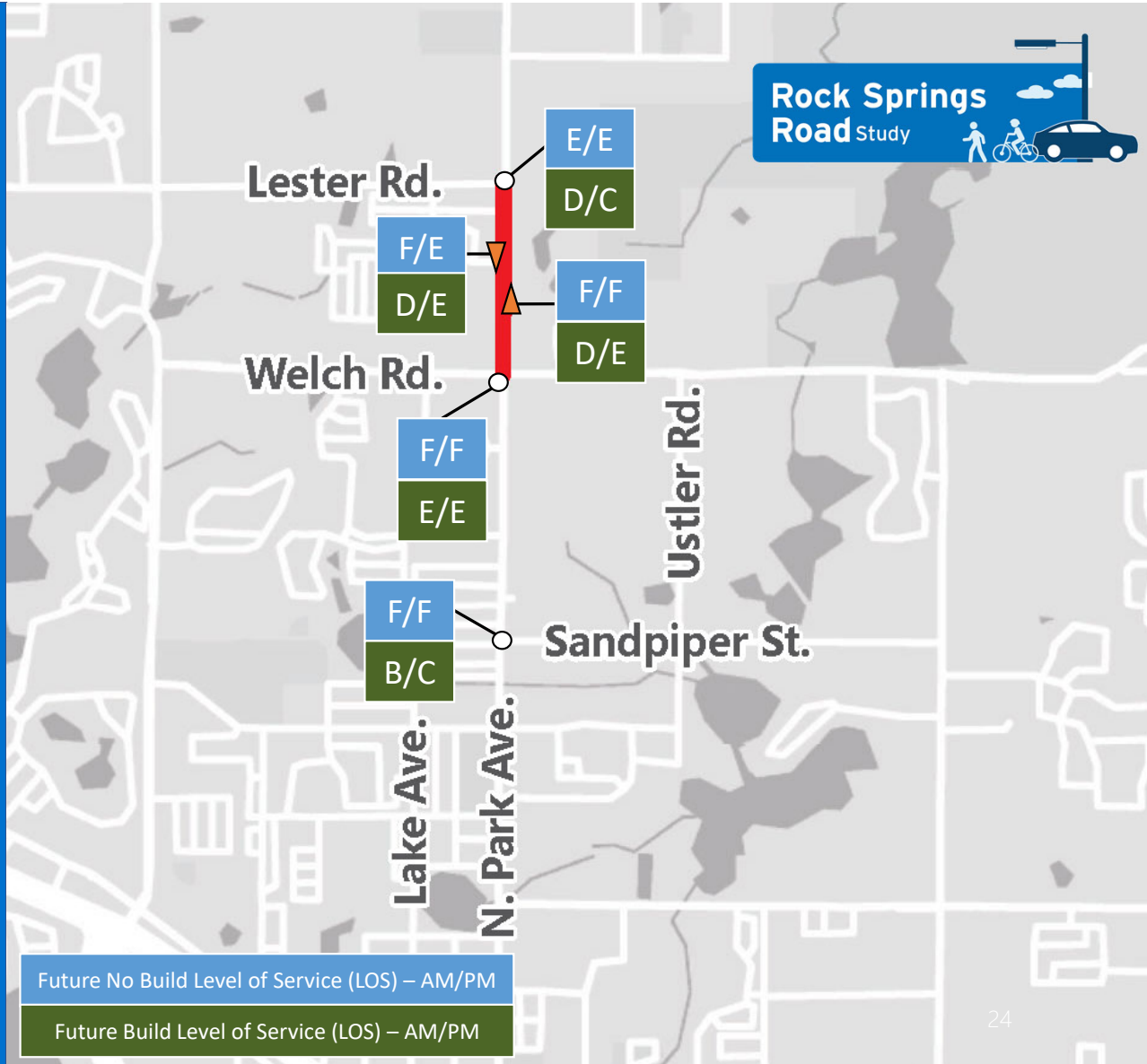
— Parcel Lines

- - - Existing Right-of-Way

Future Traffic Projections

Year 2045 – No Build VS Build Recommended Updates:

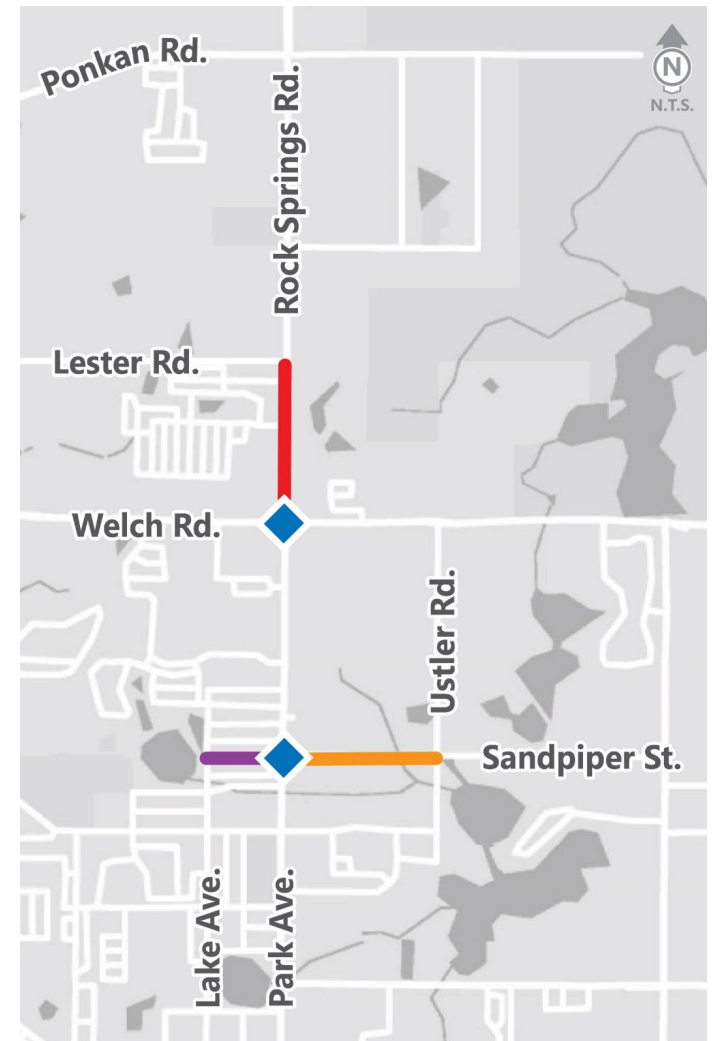
- All operations within Target LOS E in 2045 Build conditions
- Reduced overall delay at Welch Road intersection by 74% AM and 72% PM
- Welch Road intersection operates at acceptable levels



Additional Comments on Recommendations

Survey #3 Results

- Questions about access changes
- Desire for speed management along corridor and lower speed limits
- Concerns for pedestrian safety
 - Desire for additional safety elements for driveways and roadways
- Desire for bike lanes throughout the study area
- Requests for improved safety at trail crossings
- Additional comments about the proposed West Orange Trail and potential impacts to wildlife/Wekiwa Springs State Park



Study Schedule



Schedule Activity	2021					2022						Icon Legend	
	Mar-Apr	May-Jun	Jul-Aug	Sep-Oct	Nov-Dec	Jan-Feb	Mar-Apr	May-Jun	Jul-Aug	Sep-Oct	Oct-Dec		
Existing and Future Conditions Assessment	■												■ Activity Duration
Define and Select Alternatives				■								★ 1 Public Meeting #1	
Recommended Improvements Refinement and Documentation										■		★ 2 Public Meeting #2	
Public Engagement	■ ◆ 1				■ ◆ 1 2				■ ◆ 2 3			● 1 Online Survey	
												● 2 Online Alternatives Feedback Survey	
												● 3 Online Recommended Improvements Feedback Survey	
												◆ Wekiwa Springs State Park Coordination Meetings	

→ We are here!



MetroPlanOrlando.org/RockSprings

THANK YOU

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