



North East Orange County Areawide Transportation Study (NEOCATS)

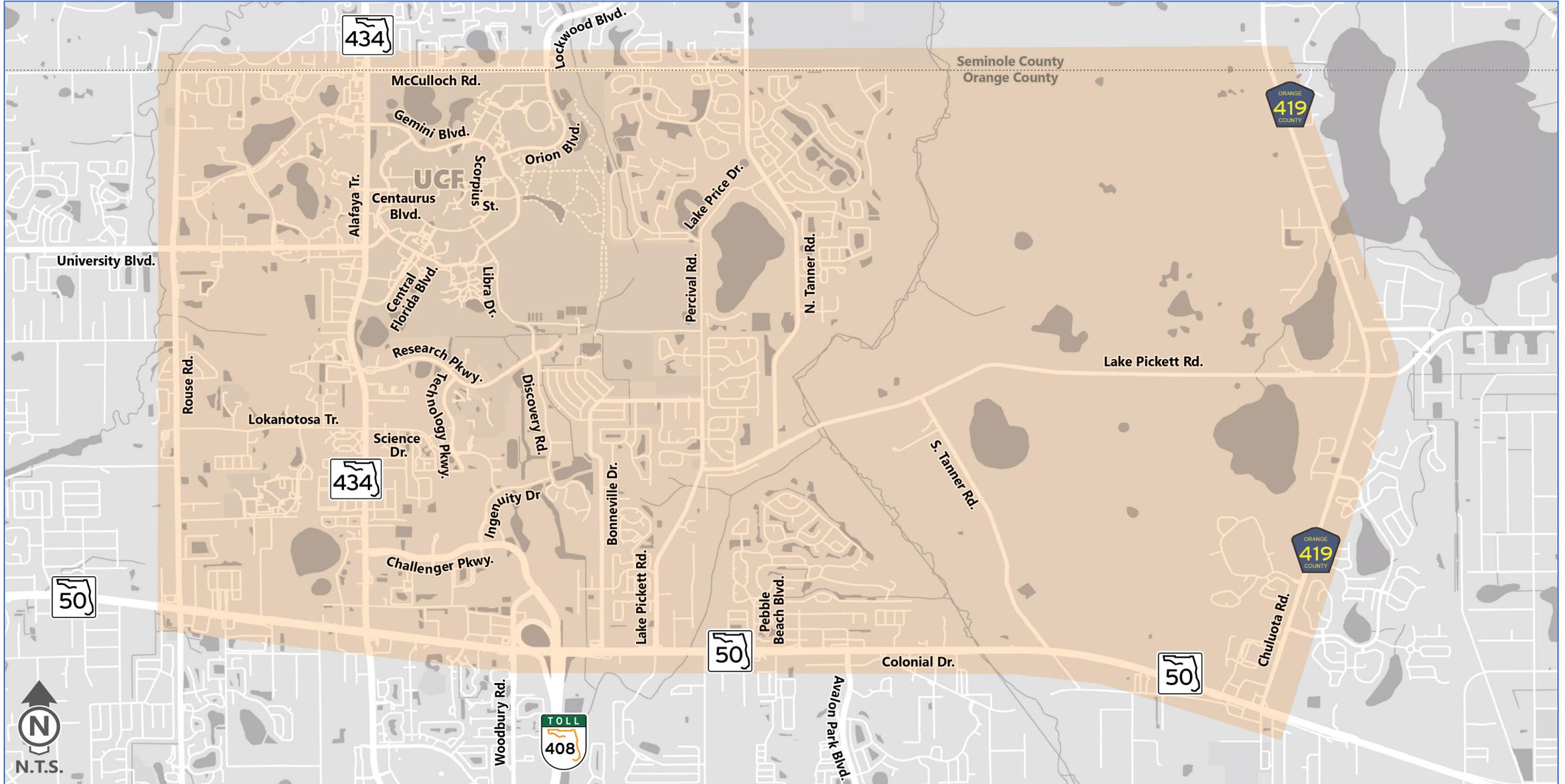


The Virtual Public Meeting will begin at 6:00 P.M.

1. If you are not hearing audio, please check your computer speaker settings or your microphone.
2. If you are an elected or appointed official, please identify yourself in the Q&A box.
3. If you experience technical difficulties during the meeting, this presentation is being recorded and is estimated to be posted onto the project website by November 5th, 2021. It will be available for replay until November 14th, 2021.



NEOCATS – What & Why?





- ▶ **Introductions**
- ▶ **Virtual Meeting Logistics**
- ▶ **Study Purpose and Objectives**
- ▶ **Existing Conditions Review**
- ▶ **Programmed and Planned Improvements**
- ▶ **Future Traffic Conditions & Potential Improvements**
- ▶ **Study Timeline**
- ▶ **Feedback and Discussion**



Welcome and Opening Remarks



District 4 Commissioner
Maribel Gomez Cordero



District 5 Commissioner
Emily Bonilla



Introductions



Orange County

Hatem Abou-Senna – Transportation Planning Division, Project Manager

VHB, Project Consultant

Babuji Ambikapathy, Consultant Project Manager

Other Orange County Staff and Consultant Staff



Virtual Meeting Logistics



All attendees will be placed in "Listen Only" mode during the presentation



Type your comments or questions into the Q&A box anytime during the meeting



Questions will be answered at the conclusion of the presentation



Ways to Provide Feedback After the Meeting



Call or Email
(website, newsletter and
this presentation)

Project Contact

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Website: www.neocatstudy.com



Complete a comment
form on the website
(www.neocatstudy.com)

Hatem.Abou-Senna@ocfl.net'. Below this is a section titled 'Check back for updates on upcoming Public Involvement Activities' and a sign-up form with fields for 'Name (required)', 'Agency', and 'Email (required)', and a 'SUBSCRIBE' button."/>

ORANGE COUNTY GOVERNMENT FLORIDA

Home Project Documents Project Schedule **Submit Feedback**

Submit Feedback

Your opinion is important to us. Share your thoughts with us on social media. You may also contact the Orange County Transportation Planning Division at 407-836-8023 or at Hatem.Abou-Senna@ocfl.net

Check back for updates on upcoming Public Involvement Activities

Interested in receiving project updates?
Sign up here to be included on our mailing lists.

Name (required)

Agency

Email (required)

SUBSCRIBE



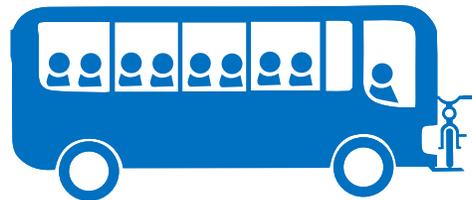
Study Purpose and Objectives

Study Purpose

"Support future growth while preserving community character"

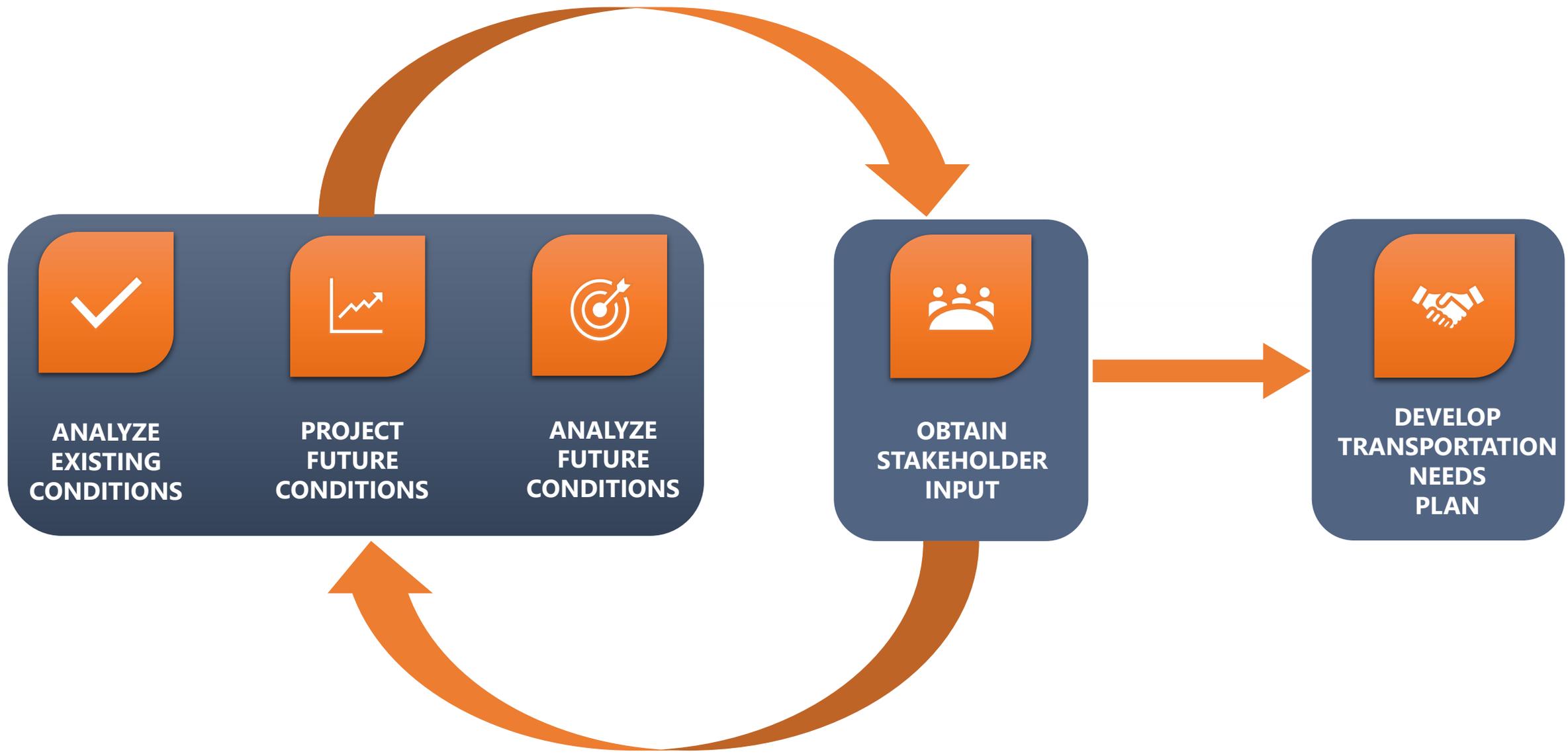
Objectives

- Improve **Safety, Mobility & Connectivity** for people who drive, walk, bike and use transit
- Identify and prioritize potential transportation projects
 - Improve network connectivity
 - Provide relief to constrained corridors
 - Short-term (2025), mid-term (2035), and long-term (2045) improvements for all road users





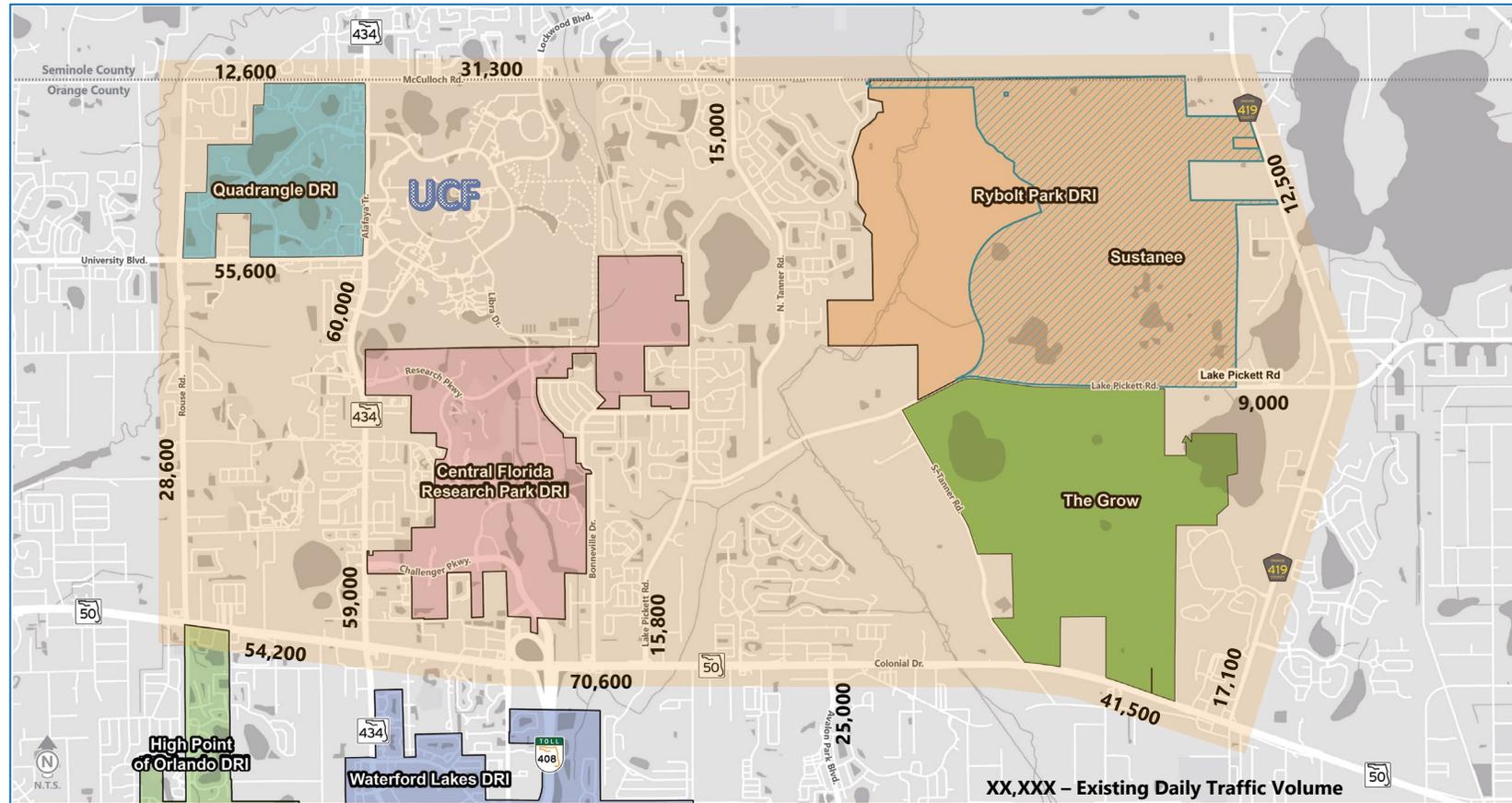
Study Approach





Study Area Overview

- Major economic generators
- UCF - Second largest university in the nation
- Two major business parks
 - Central Florida Research Park
 - Quadrangle
- Major developments
 - High Point of Orlando
 - Waterford Lakes
 - Rybolt Park*/Sustanee
 - The Grow
- 37 intersections
- 22 roadways

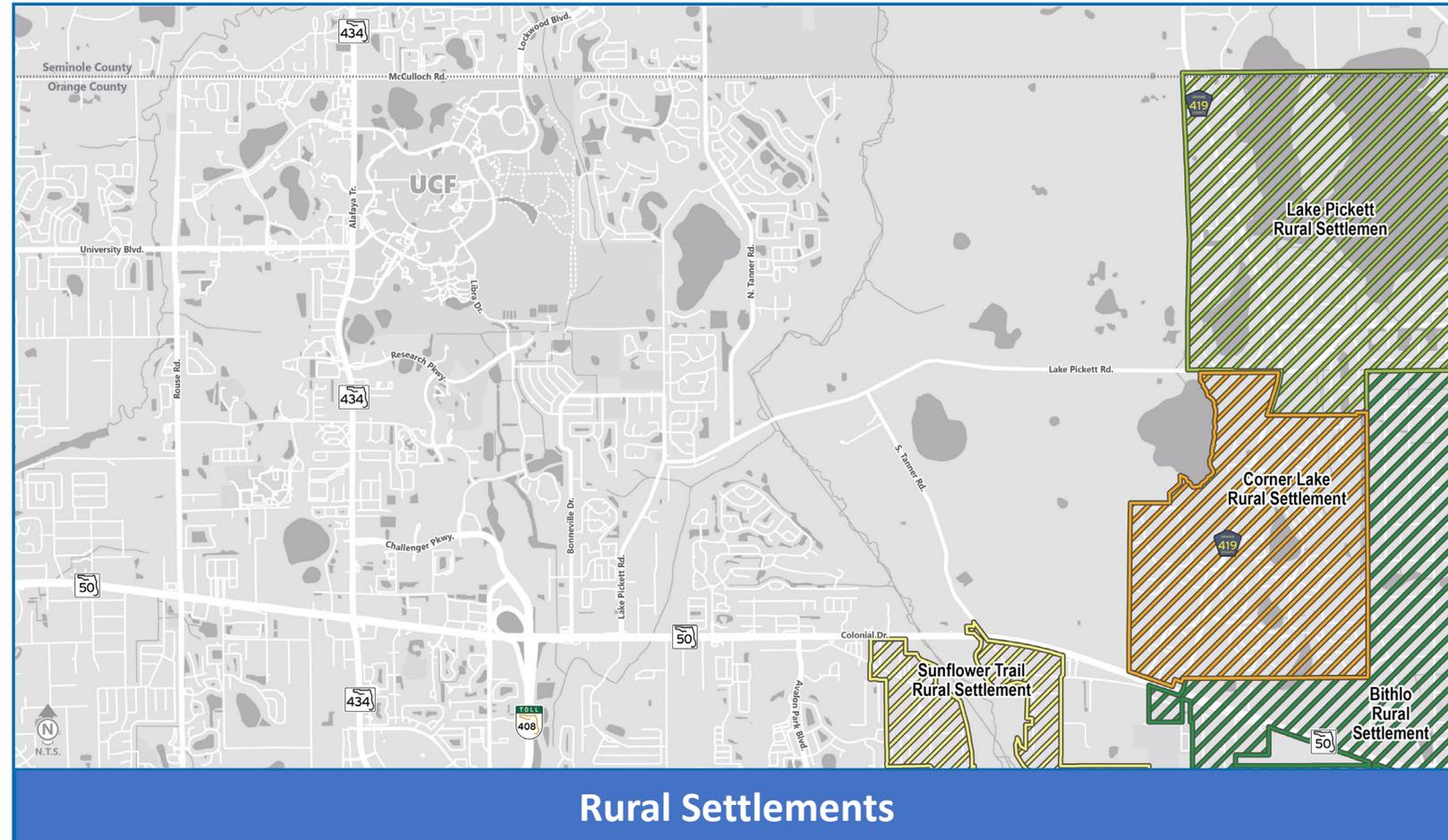


* This DRI application is withdrawn. A portion of the Rybolt Park DRI is currently being processed as Sustanee development.



Rural Settlements – 4

- Sunflower Trail
- Bithlo
- Lake Pickett, and
- Corner Lake

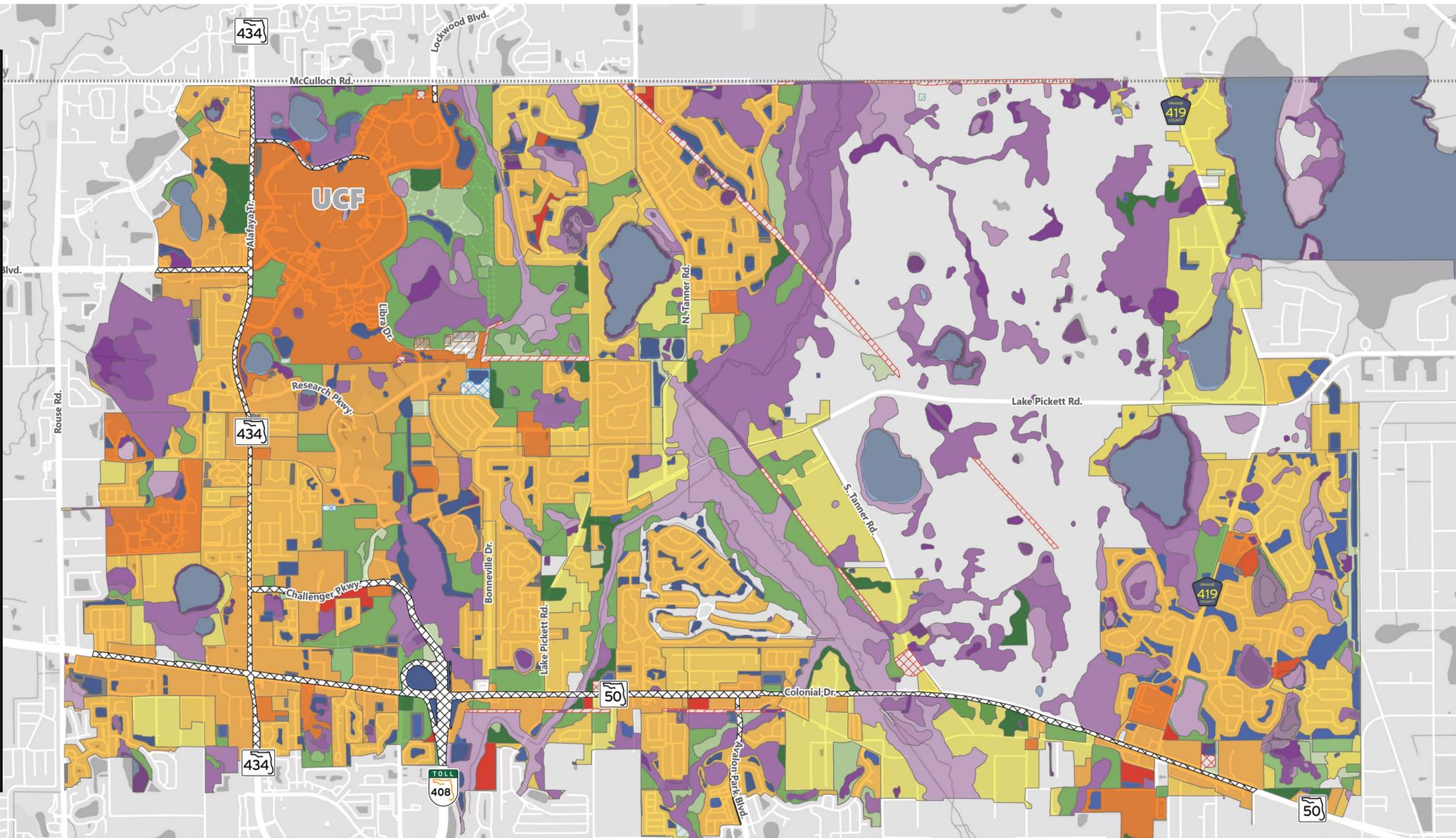




Existing Land Use

Legend

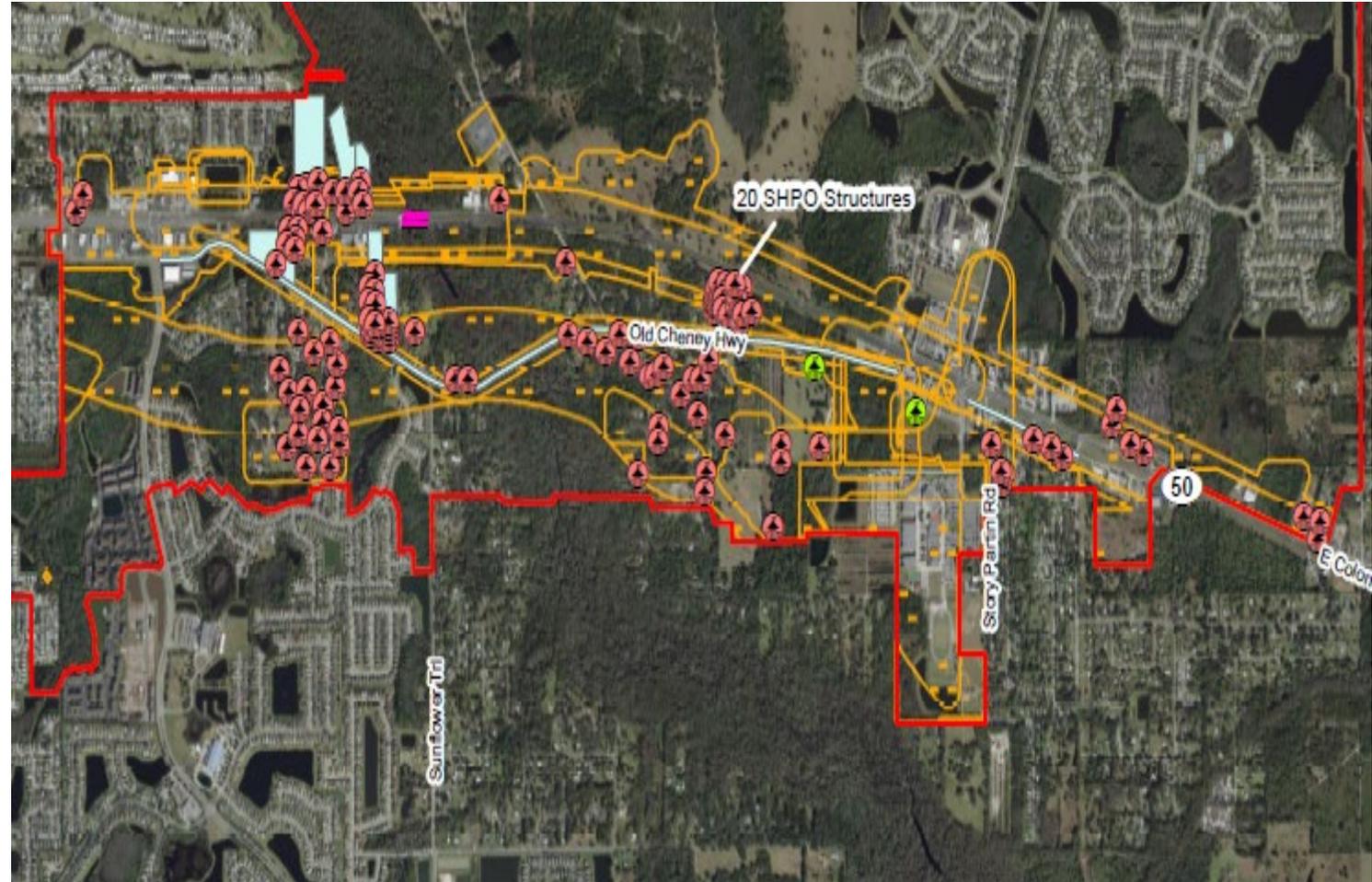
- 1100: Residential, low density
- 1180: Rural residential
- 1200: Residential, medium density
- 1300: Residential, high density
- 1400: Commercial and services
- 1700: Institutional
- 1850: Parks and zoos
- 1860: Community recreational facilities
- 1900: Open land
- 2150: Field crops
- 3100: Herbaceous upland nonforested
- 3200: Shrub and brushland
- 3300: Mixed upland nonforested
- 4110: Pine flatwoods
- 4200: Upland hardwood forests
- 4340: Upland mixed coniferous/hardwood
- 5200: Lakes
- 5250: Open water within a freshwater marsh
- 5300: Reservoirs - pits, retention ponds, dams
- 6110: Bay swamp (if distinct)
- 6170: Mixed wetland hardwoods
- 6210: Cypress
- 6250: Hydric pine flatwoods
- 6300: Wetland forested mixed
- 6410: Freshwater marshes
- 6430: Wet prairies
- 6440: Emergent aquatic vegetation
- 6460: Mixed scrub-shrub wetland
- 8140: Roads and highways
- 8200: Communications
- 8310: Electrical power facilities
- 8320: Electrical power transmission lines
- 8330: Water supply plants
- 8340: Sewage treatment
- 8370: Surface water collection ponds





Historic/Archaeological Sites

- Structures – 153
- Bridges – 2
- Resource Groups* - 8
- No known resources eligible for National Listing



*Resource Groups are districts, landscapes, building complexes and extant linear resources – a collection of similar style historic resources in a neighborhood.



Environmental Analysis – Social Resources

Public Facilities

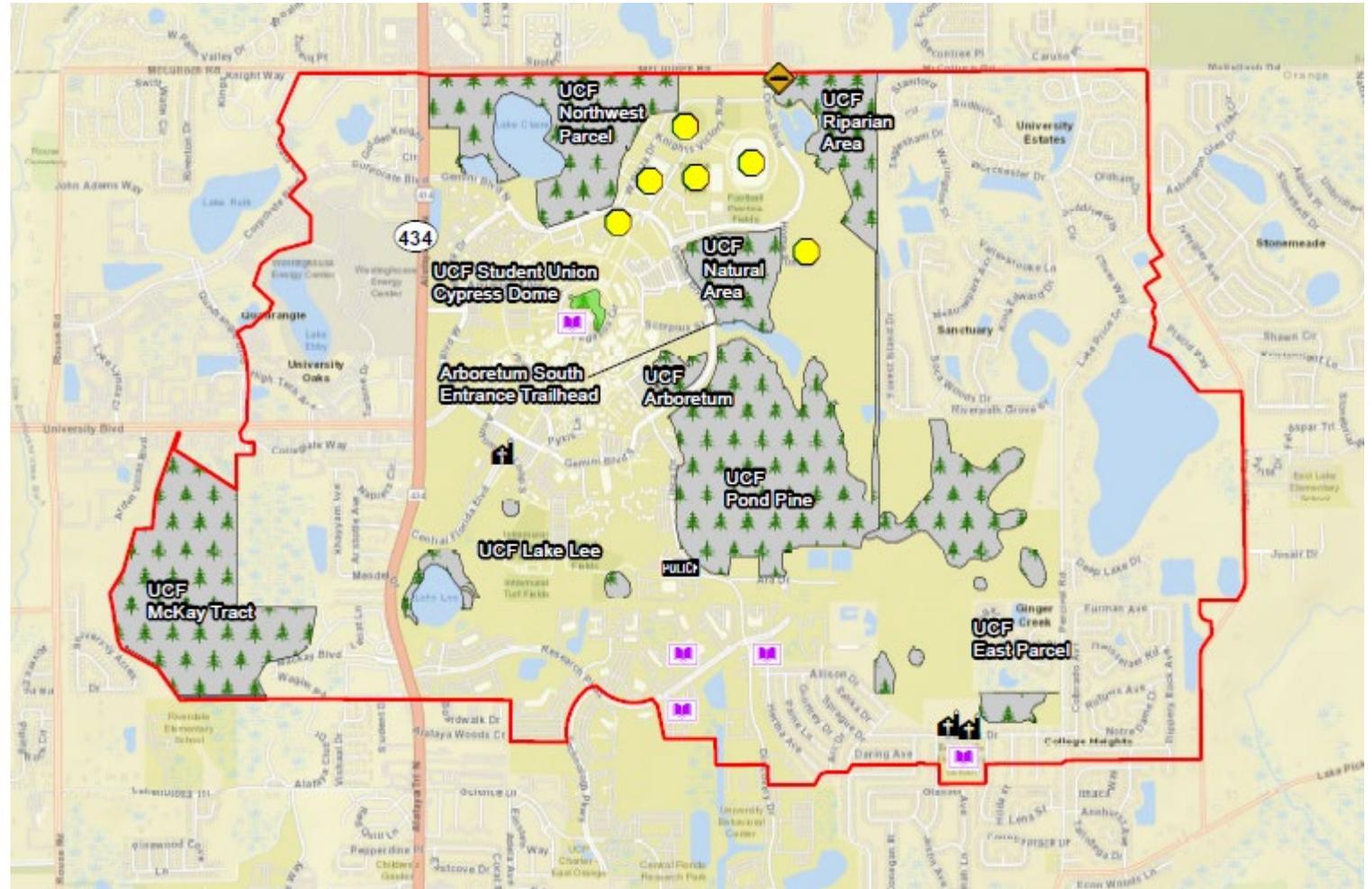
- Civic Centers -6
- Police/Fire – 3
- Health Care/Hospital – 8
- Religious Center – 5
- Schools – 17
- Veterans Facilities – 3
- Parks/Natural Lands – 25

Utility Agency/Owned Lands

- 70

Conservation/Public Lands

- 127





Potential for protected wildlife species

- 51

Within USFWS Consultation Area for:

- Audubon’s Crested Caracara
- Everglade Snail Kite
- Florida Scrub-Jay
- Red-Cockaded Woodpecker
- Wood Stork core foraging area for two colonies



Potential wildlife crossings/habitat connectivity enhancements

- 7

Wetlands - 8,115+/- acres

- Econlockhatchee and Tributaries
- Lakes - Lee, Claire, Price, Ebby, Rouse, Pickett, Drawdy, Paxton, Tanner and Corner
- Unnamed systems

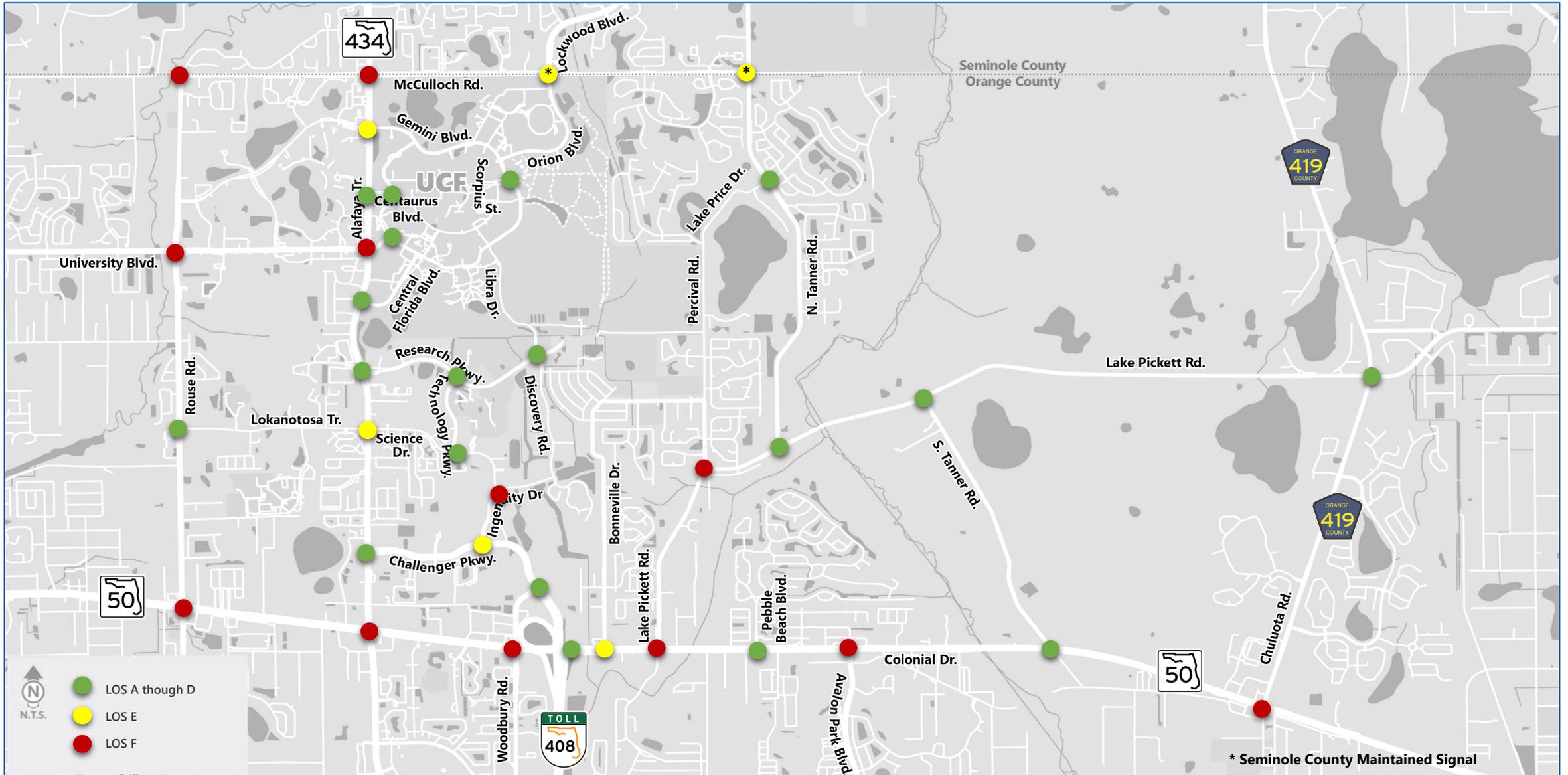
Contamination

- 518 (potential for/known)



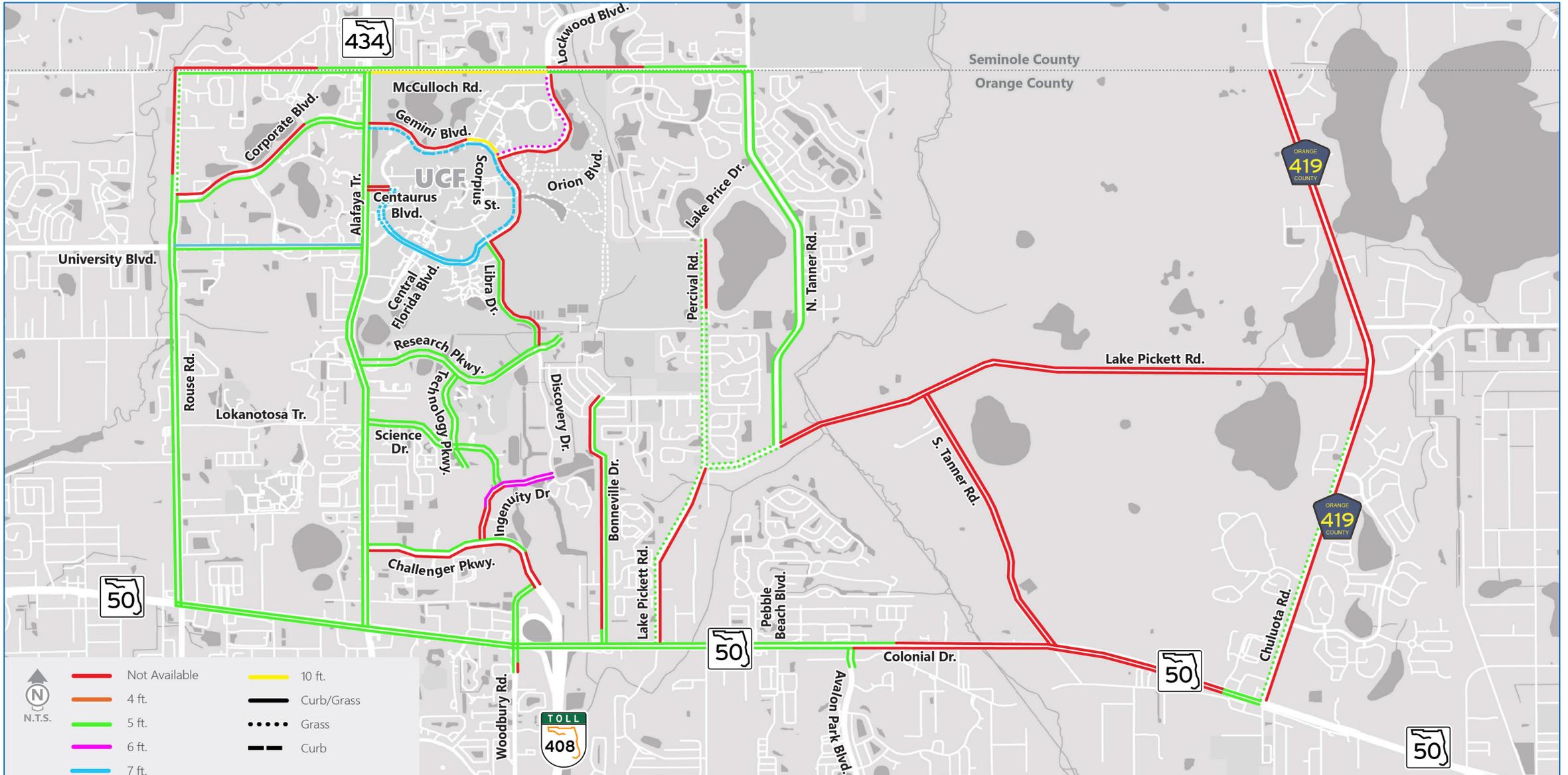


Existing Traffic Conditions – Intersections





Existing Pedestrian Facilities





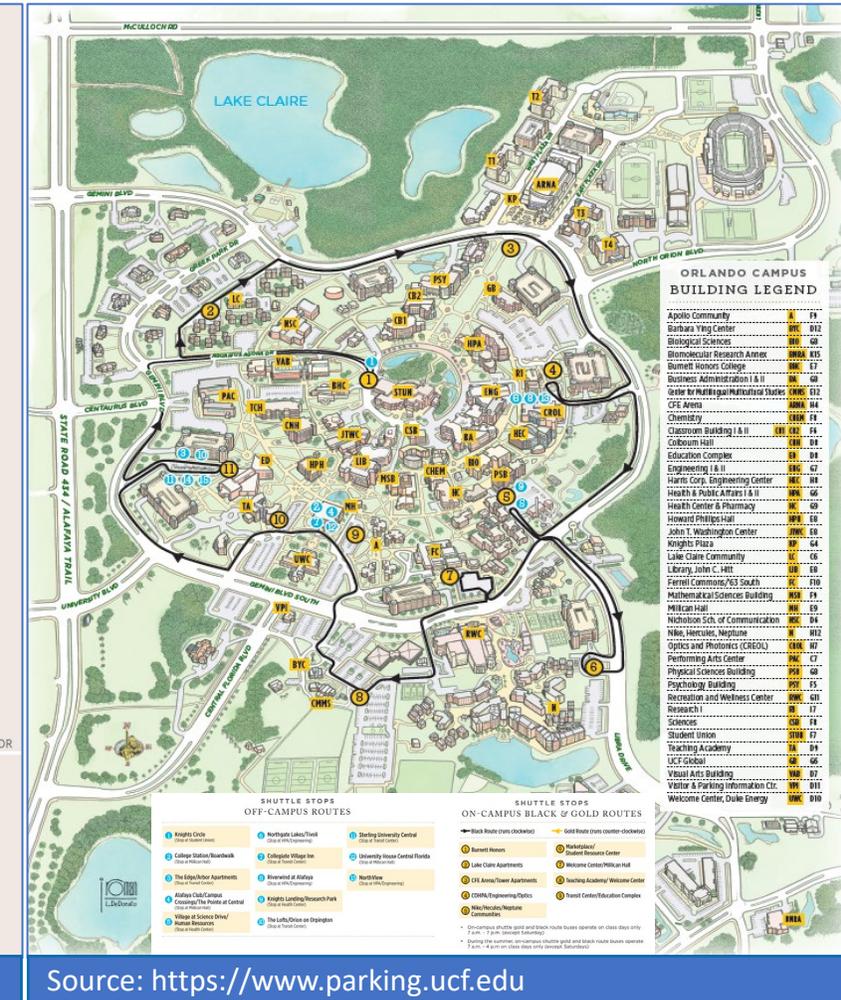
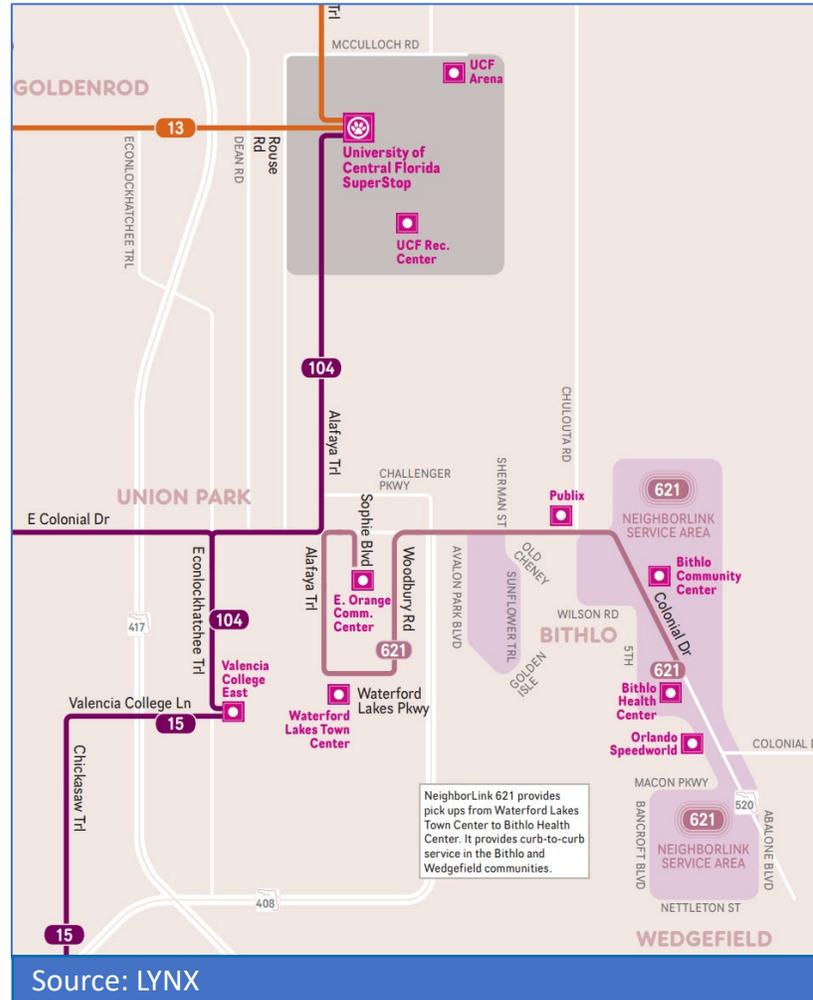
Existing Transit

LYNX

- Route 104, East Colonial Drive/UCF
 - 2019 Ridership – 572,801
 - Frequency – 30 minutes
- Route 13, University Boulevard/UCF
 - 2019 Ridership – 233,629
 - Frequency – 60 minutes
- Route 434, SR 434
 - 2019 Ridership – 139,055
 - Frequency – 60 minutes
- NeighborLink 621, on-demand circulator

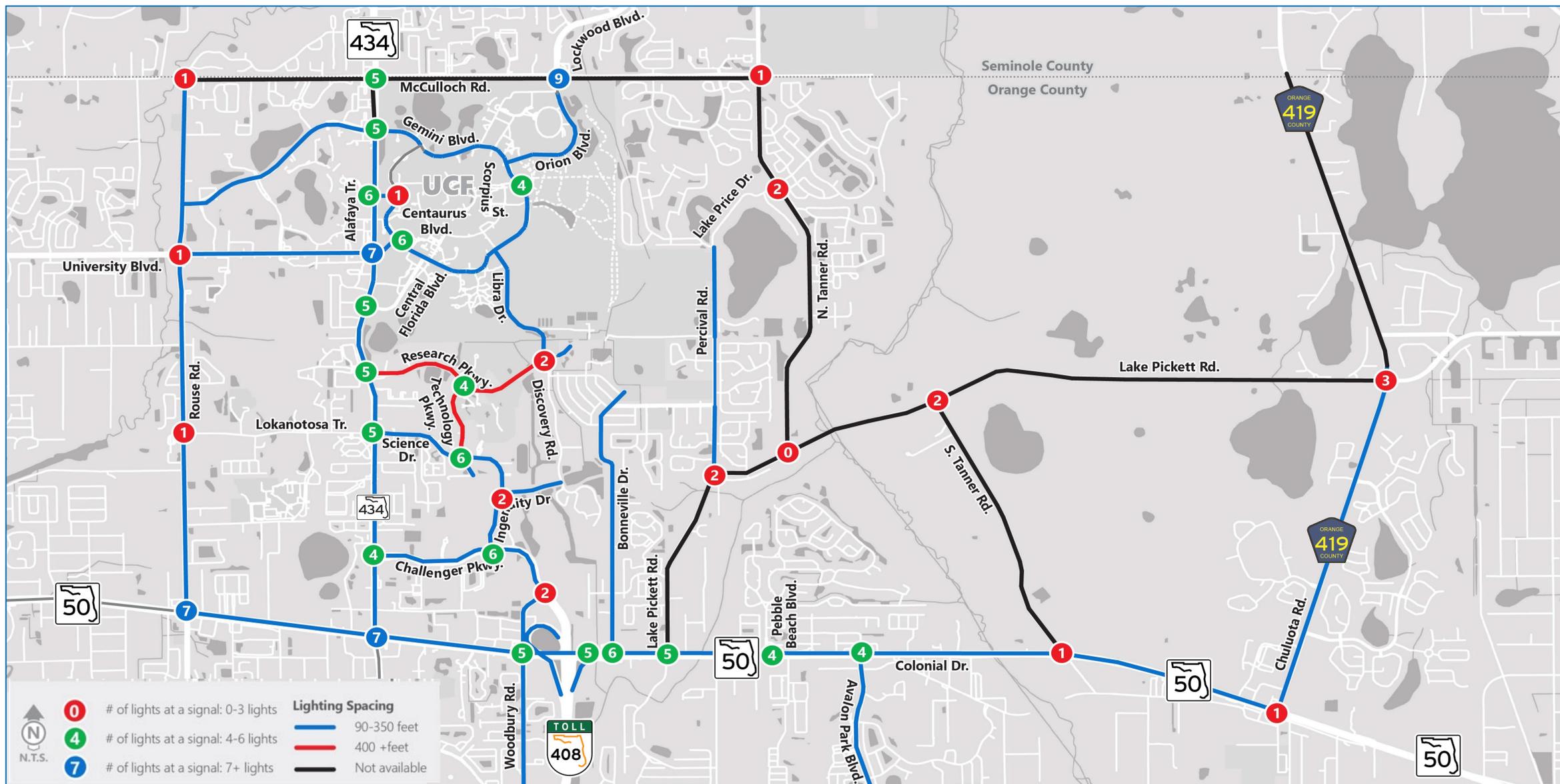
UCF Shuttle Service

- On-campus (Pegasus Express)
- Off-campus
- Grocery shuttle
- Gameday



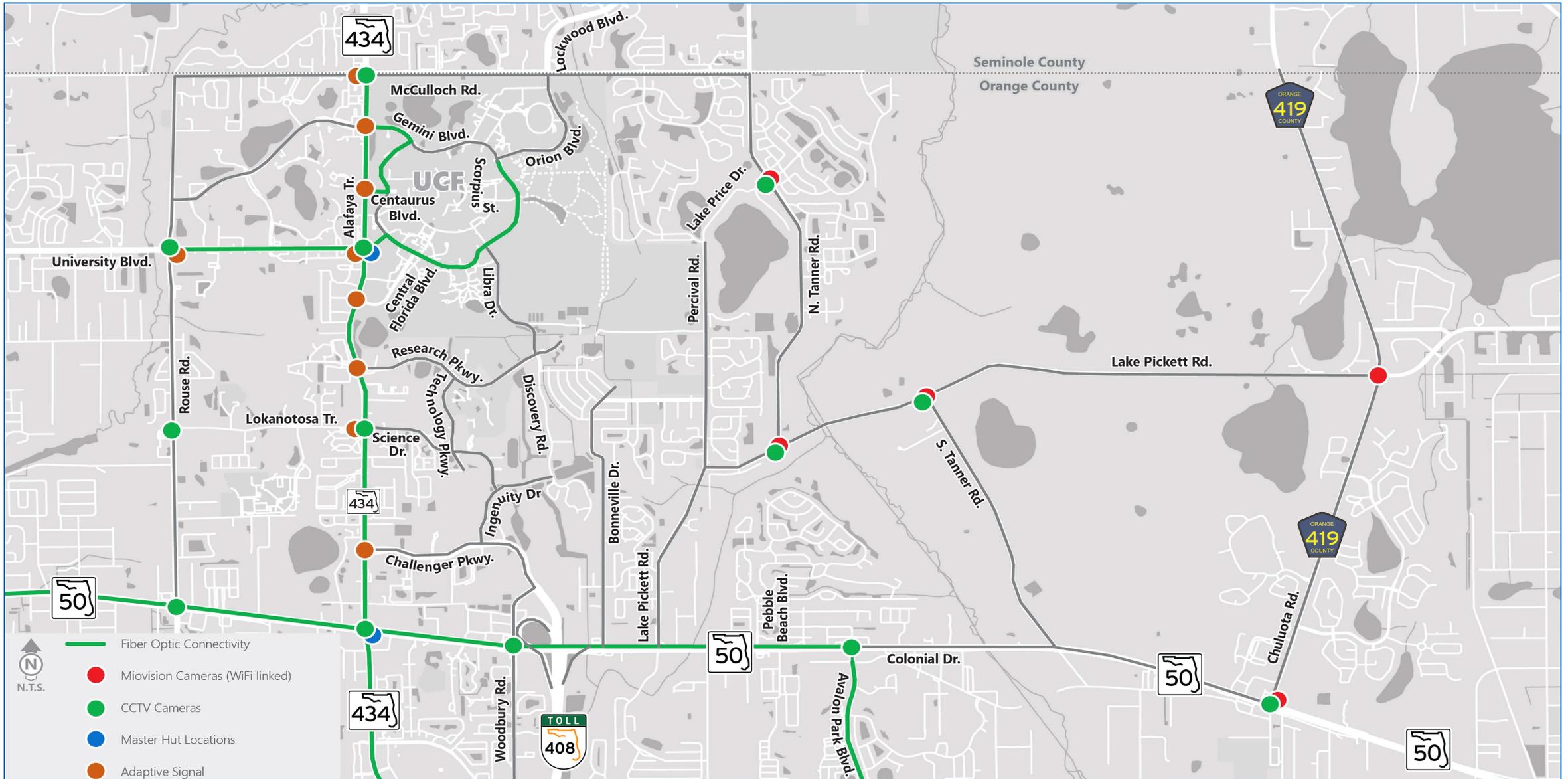


Existing Lighting Conditions





Existing ITS Features





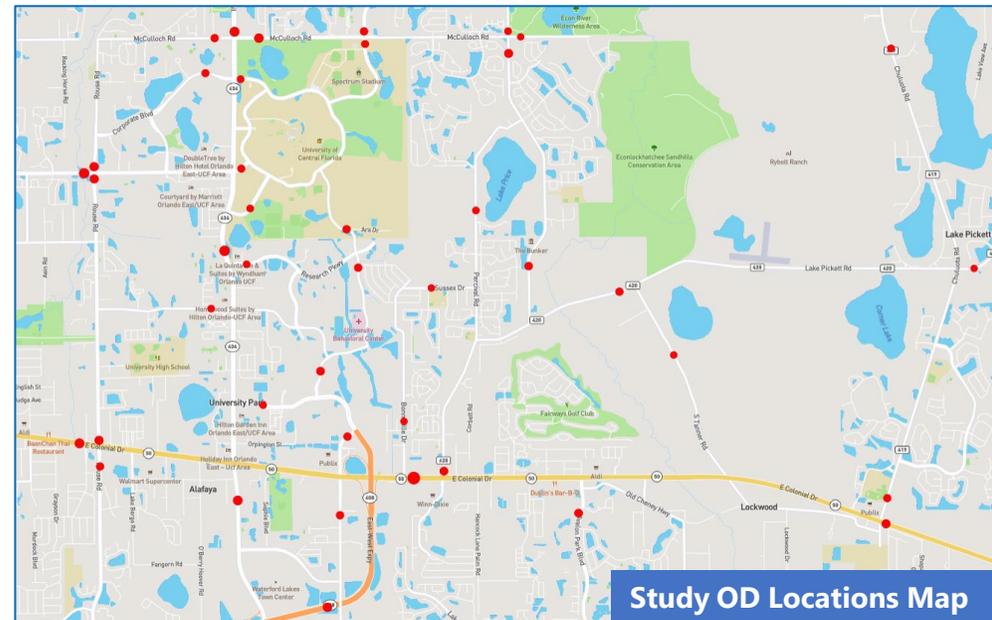
Origin-Destination (OD) Study

StreetLight OD Data – September 2019

- Understand travel patterns between origins and destinations
- Time periods
 - Weekday daily
 - Weekday AM (7-9 AM)
 - Weekday PM (4-6 PM)
- Average speeds & trip durations
 - Travel demand model validation

Table 1: Top Ten Trip Destinations for: SR434 South of SR50

Rank	Destination Zone	Trip Duration (minutes)	Average Trip Speed (mph)
1	SR 434 North of Research Pkwy	6.1	23
2	SR 50 West of Rouse Rd	6.5	18
3	SR 50 East Bonneville Dr	8.1	19
4	SR 434 North of McCulloch Rd	10.4	24
5	University Blvd West of Rouse	14.4	21
6	Central Florida Blvd East of SR 434	7.7	22
7	Rouse Rd North of SR 50	6.7	17
8	Lokanotosa Tr West of SR 434	6.7	18
9	McCulloch Rd East of SR 434	14.0	22
10	Challenger Pkwy East of SR 434	3.8	20

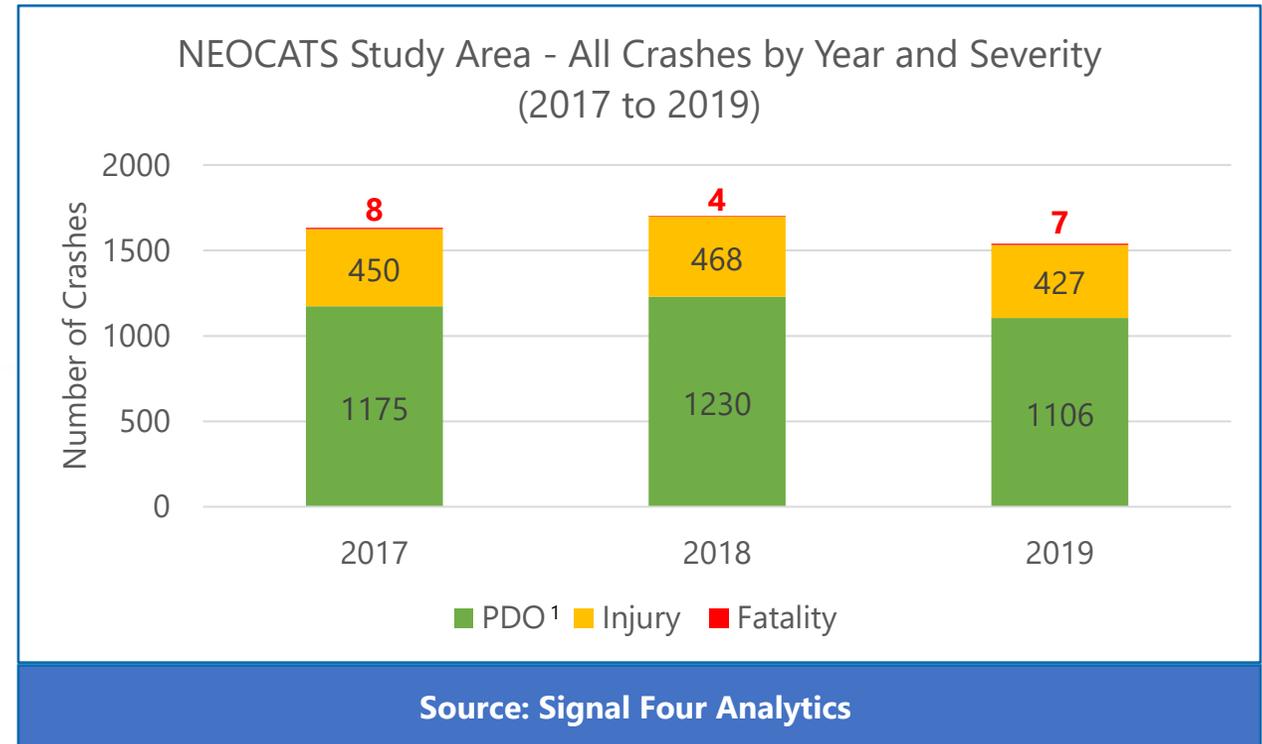




Historical Crash Analysis

Signal Four Analytics (2017-2019)

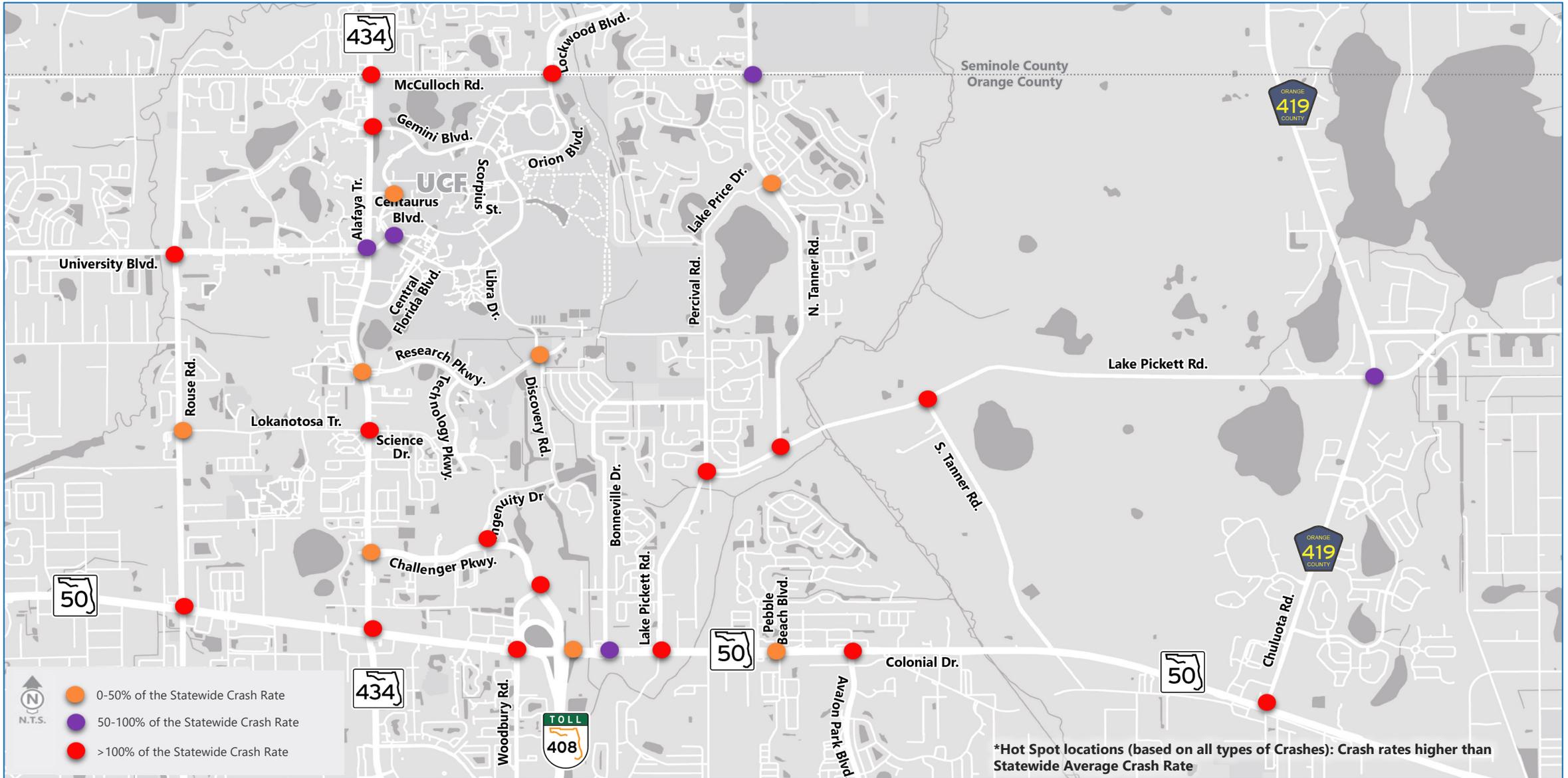
- Totals (roadway + intersections)
 - 4,875
 - 19 fatalities
 - 1,345 injury crashes
 - 3,511 property damage
 - Major types – Rear-end, Angle & Sideswipe
- Intersections
 - 2,728 (56% of total)
- Mid-segments
 - 2,147 (44% of total)



1. PDO - Property Damage Only

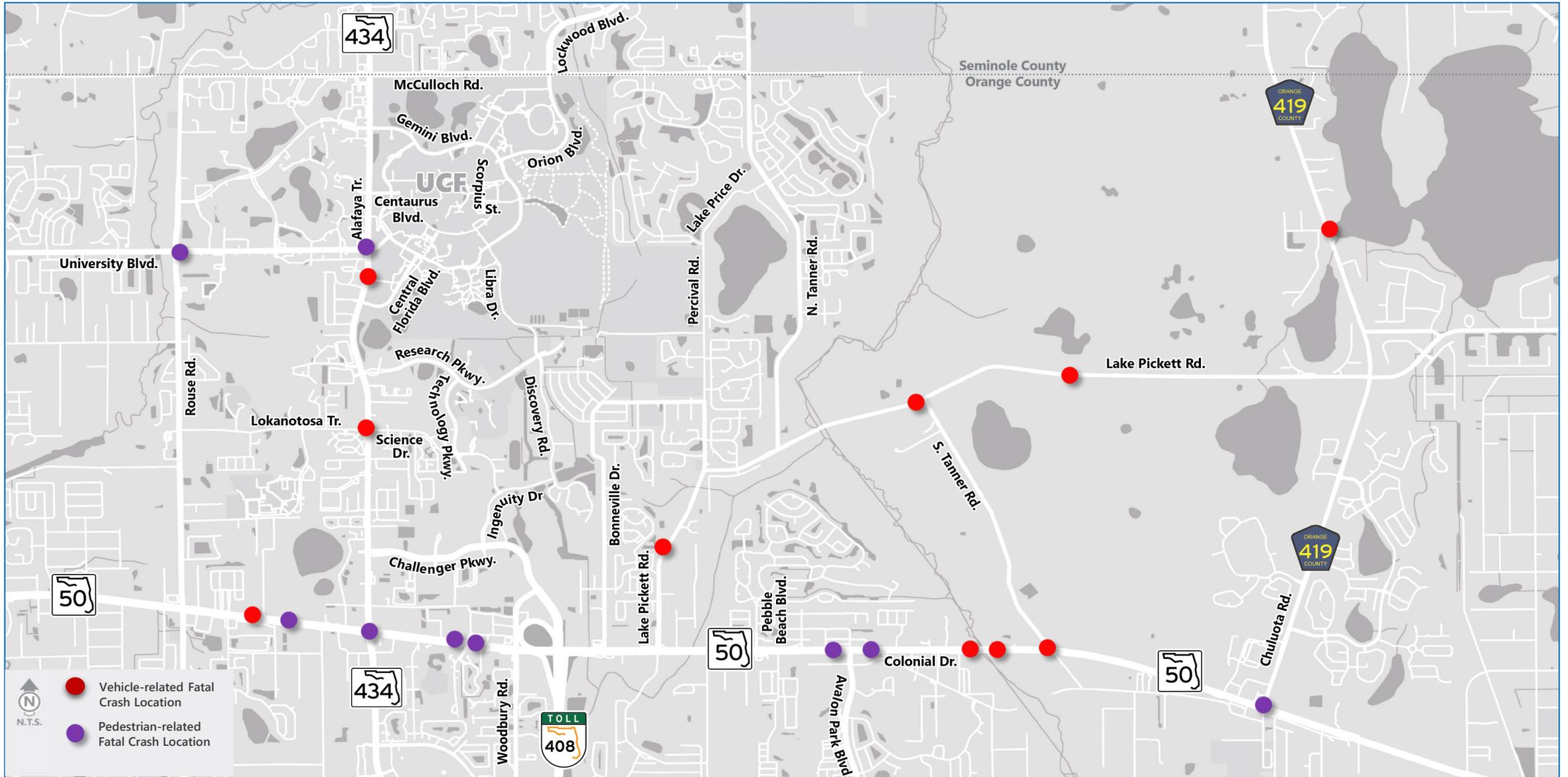


Hot Spot Locations (2017-2019)



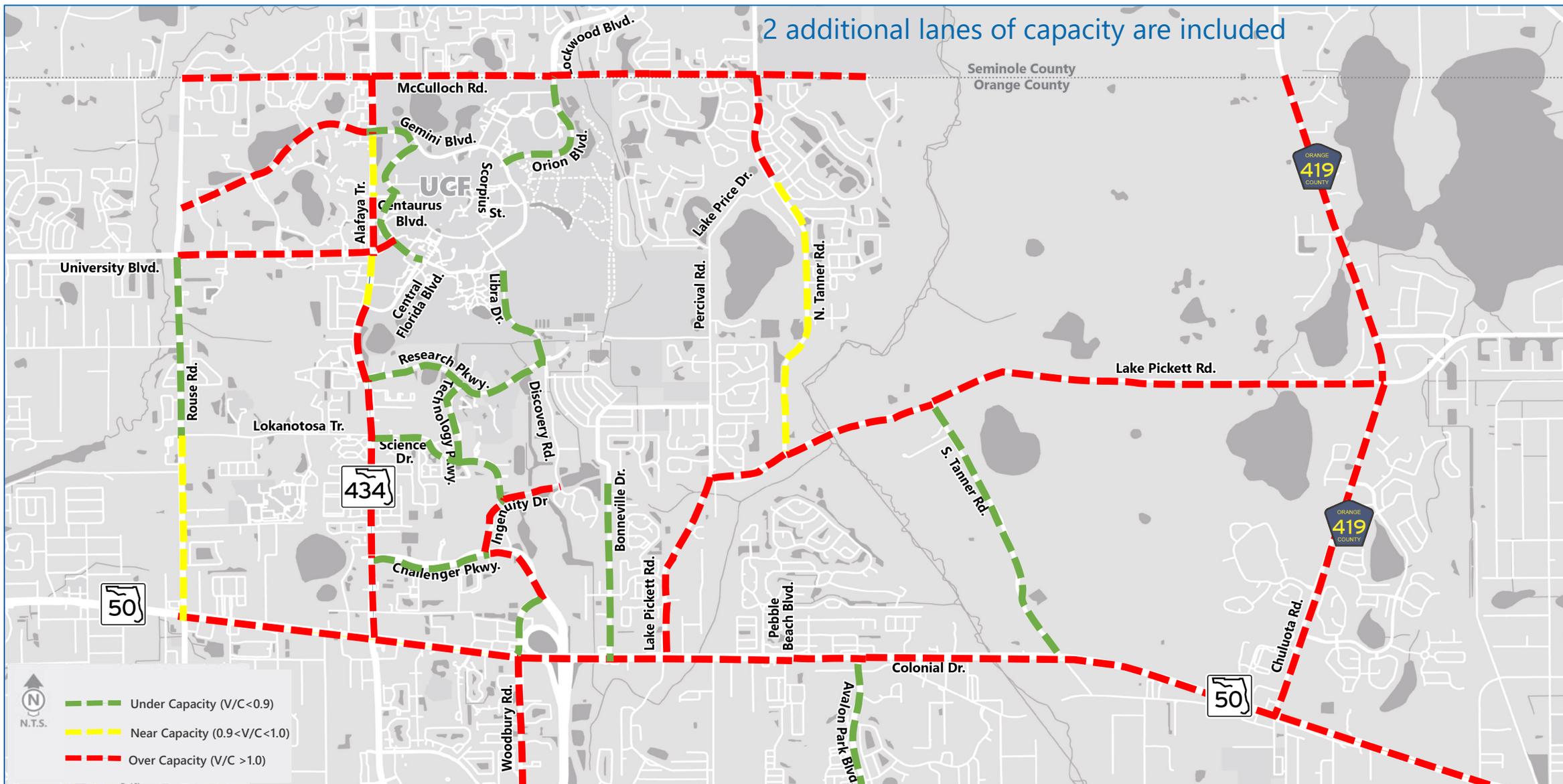


Fatal Crash Locations (2017-2019)



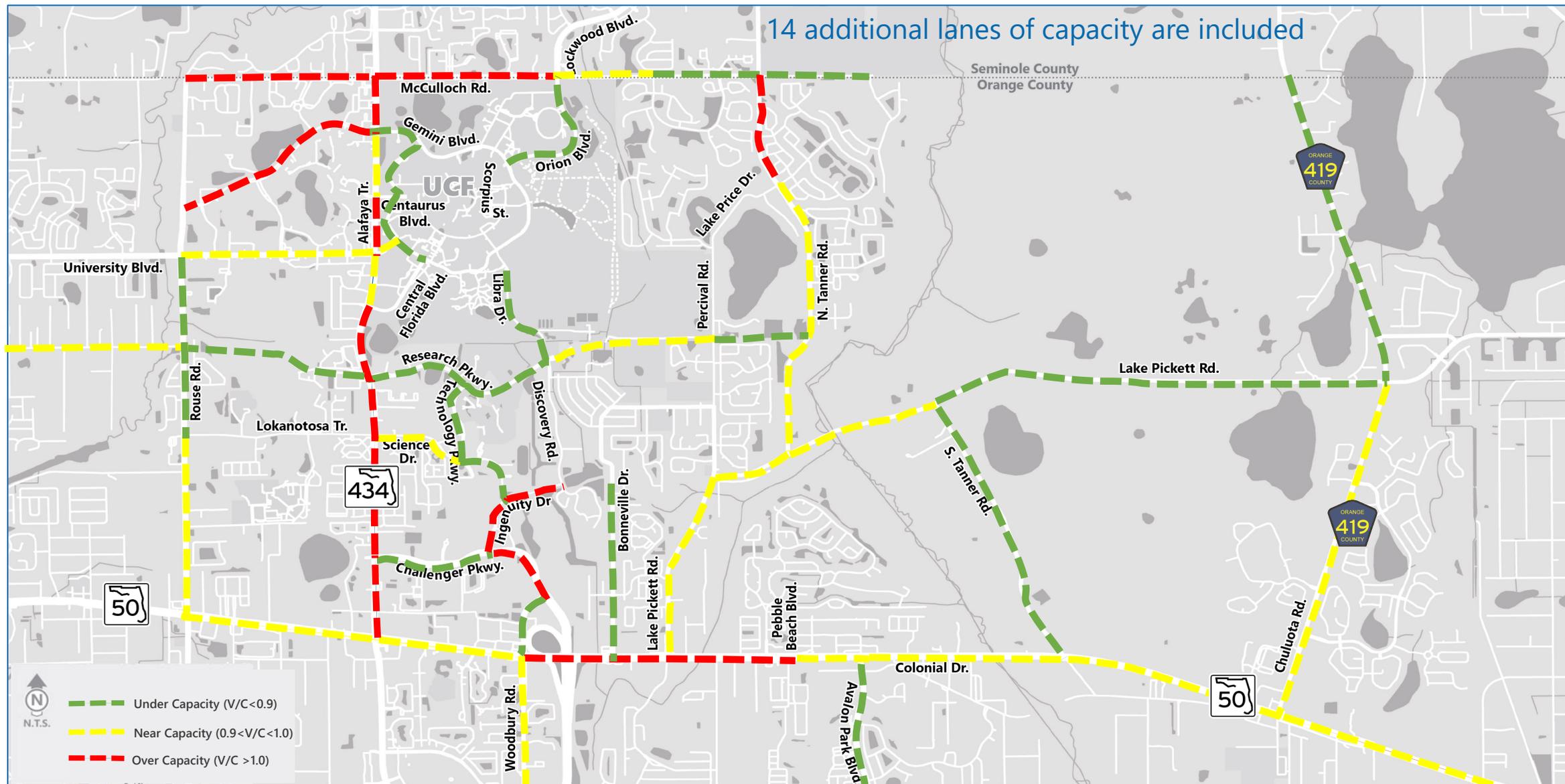


2045 No Build Traffic Conditions - Segments





2045 Build Traffic Conditions - Segments

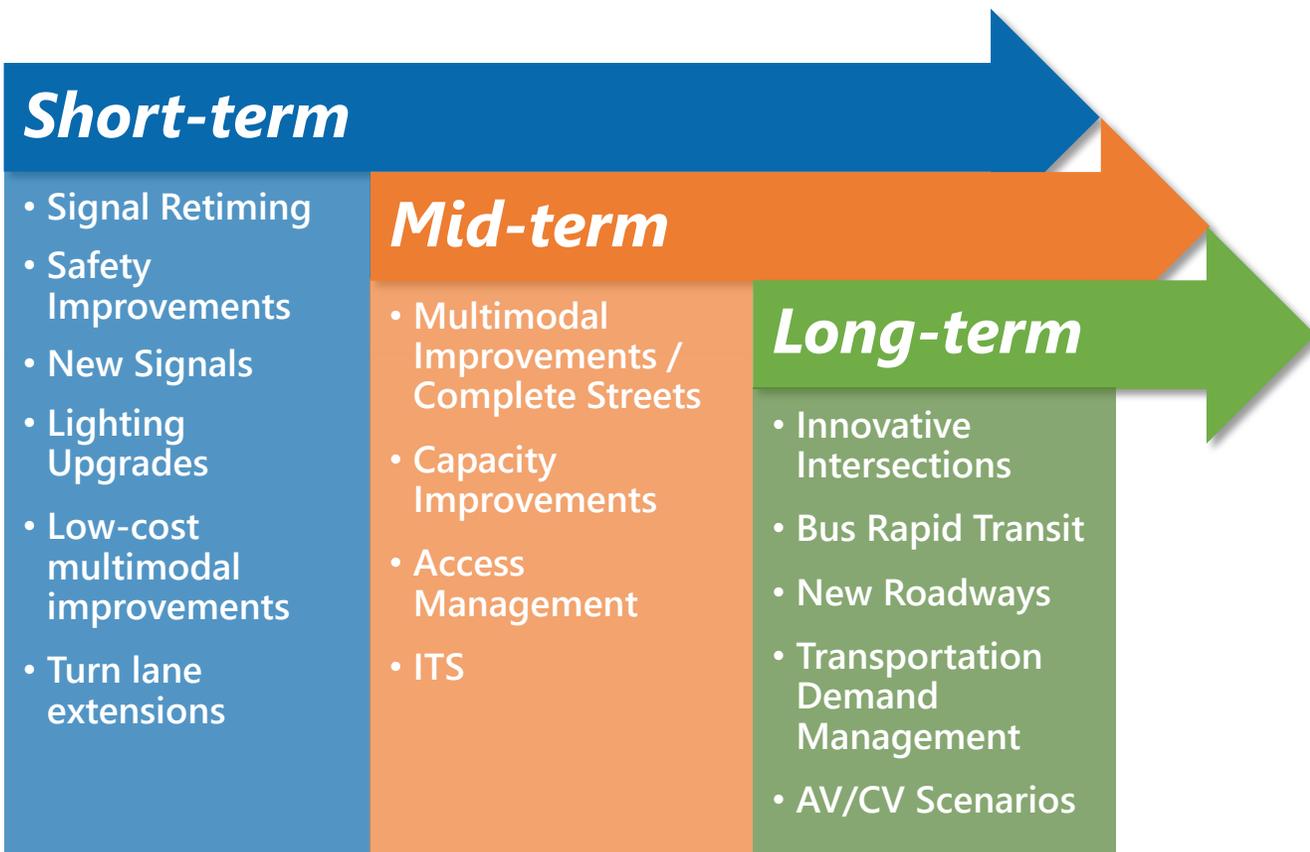




Future Year Needs Plan

Develop & prioritize short-term, mid-term, and long-term improvements:

- Short-term - 2025
 - Low-cost improvements; TSM&O
- Mid-term - 2035
 - May need additional funding
 - Can be constructed within 10-15 years
- Long-term - 2045
 - Major improvements
 - > 20 years





NEOCATS Study Timeline

- Project Kick-Off
- Public Outreach Meetings
- Local Planning Agency (LPA)/Board of County Commissioners (BCC) Workshops & Public Hearings
- Traffic Data Collection & Analysis
- Transportation Modeling
- Evaluation of Scenarios & Needs Plan
- Environmental Conditions
- Final Report & Project Wrap Up



Project Kick-Off
 Public Meetings
 LPA/BCC Hearings
 Project Milestones



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Orange County, Florida Government



NEOCATS – Website/Feedback



www.neocatstudy.com

The screenshot shows the website interface for NEOCATS. At the top, there is the Orange County Government logo and navigation buttons for Home, Project Documents, Project Schedule, and Submit Feedback. The main content area features a 'Submit Feedback' section with a text prompt: 'Your opinion is important to us. Share your thoughts with us on social media. You may also contact the Orange County Transportation Planning Division at 407-836-8023 or at Hatem.Abou-Senna@ocfl.net'. Below this is a 'Check back for updates on upcoming Public Involvement Activities' link. To the right is a subscription form titled 'Interested in receiving project updates?' with fields for Name (required), Agency, and Email (required), and a SUBSCRIBE button. The footer contains contact information for Hatem A. Abou-Senna, Project Manager, and Babuji Ambikapathy, Consultant Project Manager, including their addresses, phone numbers, and email addresses. Social media links for Facebook and Twitter are also present.

Visit the project web page.

We want to know what you think!



North East Orange County Areawide Transportation Study (NEOCATS)



Questions & Discussion



**All questions and answers will be posted on the
website within 10 days of the meeting.**