

Public Involvement Plan
for
North East Orange County Areawide
Transportation Study (NEOCATS)



Prepared for Orange County
Transportation Planning Division

May 2022
Updated October 2022

Public Involvement Plan

Project Name: North East Orange County Areawide Study (NEOCATS)

Project Limits: The study limits encompass the region north of Colonial Drive (SR 50), south of Orange/Seminole County line, east of Alafaya Trail and west of Chuluota Road.

County/State: Orange County, Florida

County Contract: Y20-827

This Public Involvement Plan is submitted to Orange County, Florida for review and approval.

Submitted by: _____
Babuji Ambikapathy, P.E., AICP, Consultant Project Manager
VHB

Date: _____

Approved by: _____
Hatem A. Abou-Senna, PhD., P.E., Project Manager
Orange County Transportation Planning Division

Date: _____

Table of Contents

Public Involvement Plan	ii
Table of Contents	1
Public Involvement and Stakeholder Coordination Program	1
1.1 Introduction.....	1
1.2 Project Contact Information.....	1
1.3 Identification of Stakeholders	3
1.4 Public Outreach Activities	4
1.4.1 Public Information Meetings	4
1.4.1.1 Public Meeting Series.....	4
1.4.1.2 Local Planning Agency Work Session	5
1.4.1.3 Board of County Commissioners Work Session	5
1.4.2 Other Meetings.....	5
1.4.2.1 Staff Presentation	6
1.4.2.2 Small Group Meetings	6
1.4.3 Newsletters.....	6
1.4.4 Newspaper Ads	7
1.4.5 Media Contact	7
1.4.6 Study Website & Electronic Communication	7
1.5 Outreach Schedule	8
1.6 Outreach to Underserved Communities	8
1.7 Special Accommodations for Persons with Disabilities.....	8
1.8 Environmental Justice	8
1.9 Title VI of the Civil Rights Act of 1964	9
1.10 Public Involvement Summary.....	9
1.10.1 November 1, 2021 – Community Meeting 1	10
1.10.2 January 21, 2022 – Stakeholder Meeting 1	10
1.10.3 March 30, 2022 – Community Meeting 2.....	10
1.10.4 April 28, 2022 – Stakeholder Meeting 2	11
1.10.5 September 15, 2022 – Planning and Zoning Commission / Local Planning Agency (PZC/LPA) Work Session	11
1.10.6 October 11, 2022 – Board of County Commissioners Meeting	11
APPENDICES	

Public Involvement and Stakeholder Coordination Program

1.1 Introduction

Public involvement includes communicating to, and receiving information from, all interested persons, groups, and government organizations regarding the development of a project. This Public Involvement Plan (PIP) outlines the processes taken to ensure the appropriate level of public involvement is fostered for the North East Orange County Areawide Transportation Study (NEOCATS). A map of the NEOCATS study area is provided in Figure 1. ***This PIP is a living document and subject to changes and updates throughout the course of the study.***

North East Orange County, already home to the second largest university in the nation, two large business parks and an ever-increasing number of residential subdivisions and small businesses, will face significant transportation mobility challenges in the coming years. Demand for many of the area roadways are exceeding the capacity of the facilities. As the region continues its rapid growth, the existing transportation system within North East Orange County will not be able to accommodate the increase in transportation demand.

Orange County initiated NEOCATS to put in place a transportation system which can support future growth while also preserving the character of the community. The study will essentially serve as a long-range transportation plan and will address the increased mobility demands in North East Orange County. The main objective of the study is to identify and analyze potential transportation projects that would improve network connectivity and provide relief to constrained corridors. The study will include a prioritized list of regional roadway and intersection improvements to enhance transit, pedestrian, bicycle and vehicular travel, and supported and vetted through a robust public engagement process. The plan will serve in the short term as a guide for capital improvement expenditures and in the long term as a basis for coordination between future land use and the area transportation needs.

1.2 Project Contact Information

The project contacts for NEOCATS are provided below:

Hatem A. Abou-Senna, PhD., P.E.
Orange County Project Manager
Transportation Planning Division
Public Works Complex Building 1
4200 South John Young Parkway
Orlando, FL 32839
Phone: 407-836-8023
Email: Hatem.Abou-Senna@ocfl.net

Babuji Ambikapathy, PE, AICP
Consultant Project Manager
225 E. Robinson Street, Suite 300
Landmark Center Two
Orlando, FL 32801-4326
Phone: 407-459-1630
Email: bambikapathy@vhb.com



1.3 Identification of Stakeholders

A key component of this PIP is the open and transparent exchange of information between the study team and the public. Contact lists (email and mailing addresses) were developed, which include the following: elected officials, appointed officials, neighborhood associations, and interested parties. These lists were modified and updated throughout the course of the study. Below are the initial groups that were informed about NEOCATS.

Elected & Appointed Officials

- Orange County Board of County Commissioners
 - District 5 Commissioner Emily Bonilla
 - District 4 Commissioner Maribel Gomez Cordero
- Orange County Sheriff John W. Mina
- Orange County Planning and Zoning Commissioners
- State Representative Carlos Guillermo Smith (District 49)
- State Senator Linda Stewart (District 13)
- US Congresswoman Stephanie Murphy (District 7)
- US Senators Rick Scott and Marco Rubio
- Orange County School Board (study area in District 1)
- MetroPlan Orlando Board
- LYNX Board of Directors

Orange County Departments

- Community, Environmental, and Development Services Department
- Public Works Department
- Orange County Utilities
- Orange County Administrator's Office
- Orange County Attorney's Office
- Orange County Public Information Office
- Orange County Fire Rescue

Other Agencies

- Seminole County
- Florida Department of Transportation District Five
- Florida's Turnpike Enterprise
- Central Florida Expressway Authority (CFX)
- Florida Department of Environmental Protection
- Florida Fish and Wildlife Conservation Commission
- LYNX
- MetroPlan Orlando
- Orange County Public Schools
- St. Johns River Water Management District
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service

Neighborhoods/Census Designated Places (CDP)

- Lake Pickett
- Corner Lakes Estates
- Bithlo CDP
- Christmas CDP
- North Christmas, FL
- Wedgefield CDP
- Sunflower Trail, Orlando

Neighborhood Organizations

- Innsbrook HOA
- Pickets Cove HOA
- Summerfield of Seminole County HOA
- Fontana Estates HOA
- Spring Isle HOA

Community and Civic Organizations

- University of Central Florida
- Save Our Streets
- RJ Muller (fixmyroadway.com)
- University Baptist Church
- East Lake Elementary School
- Bonnevill Elementary School
- Columbia Elementary School
- Corner Lake Middle School
- Econ River High School
- East River High School

Businesses

- Central Florida Research Park
- Siemens (Quadrangle area)

Property Owners

Property owners located within the NEOCATS study area.

1.4 Public Outreach Activities

1.4.1 Public Information Meetings

Up to twelve (12) public information meetings/hearings (virtual and in-person meetings/hearings as directed by Orange County) are expected as described below.

1.4.1.1 Public Meeting Series

Two public meeting series were held as part of the study to receive input from the general public. The meetings are summarized below:

- Community Meeting 1 was held on November 1, 2021, as a virtual meeting. The purpose of this meetings was to present the data collection findings for existing conditions, the results of the 2045 model traffic forecasts and the evaluation of future year traffic conditions. The meeting summary can be found in Appendix A.
- Community Meeting 2 was held on March 30, 2022, as a virtual meeting. The purpose of this meeting was to present the development of the recommended future year 2045 transportation needs plan. The meeting summary can be found in Appendix C.

The PowerPoint presentation and all meeting materials (including script and displays) were submitted for review and approval by Orange County at least two (2) weeks prior to each meeting series.

1.4.1.2 Local Planning Agency Work Session

During NEOCATS, a Work Session with the Orange County Planning and Zoning Commission (PZC), which is the Local Planning Agency (LPA), was held on September 15, 2022, after Community Meeting 2. The draft recommendations for the study were presented for comment during the LPA Work Session. Displays and exhibits were made available for public inspection at least one hour prior to the scheduled LPA Work Session.

The LPA Work Session presentations were provided to Orange County 16 business days prior to the scheduled LPA Work Session. All presentation materials were compliant with the Board of County Commission meeting presentation guidelines. The final presentation was provided at least two business days prior to the scheduled LPA Work Session. Additionally, a reduced version of the Needs Plan Study Report was provided to Orange County six weeks prior to the scheduled LPA Work Session and printed copies of the final reduced version were delivered to Orange County two weeks prior to the scheduled LPA Work Session.

1.4.1.3 Board of County Commissioners Work Session

During NEOCATS, a Work Session with the Board of County Commissioners (BCC) was held on October 11, 2022, after Community Meeting 2. The recommendations of the study were presented for comment during the BCC Work Session. Displays and exhibits were made available for public inspection at least one hour prior to the scheduled BCC Work Session.

The presentations were provided to Orange County 15 business days prior to the scheduled BCC Work Session. All presentation materials were compliant with the BCC meeting presentation guidelines. The final presentation was provided at least two business days prior to the scheduled BCC Work Session.

1.4.2 Other Meetings

These include a staff presentation prior to the LPA and BCC Work Sessions, and small group meetings.

1.4.2.1 Internal Staff Presentations

At least two weeks prior to the LPA Work Session, the draft presentation was provided to the Planning, Environmental & Development Services (PEDS) Director as well as the Public Works Director and other senior staff. The final PowerPoint presentation and script to be presented at the LPA Work Session was developed based on feedback from senior staff.

1.4.2.2 Small Group Meetings

During NEOCATS, two stakeholder meetings were held with Orange County partners and stakeholders.

- Stakeholder Meeting 1 was held on Friday, January 21, 2022, via WebEx. Invitations were sent to over 50 stakeholders. The agencies in attendance included representatives from MetroPlan Orlando, Orange County Public Schools (OCPS), Orange County Fire Rescue, Orange County Sheriff's Office, Florida Department of Transportation (FDOT), Central Florida Expressway Authority (CFX), LYNX, University of Central Florida (UCF), Central Florida Research Park and Seminole County. See Appendix B.
- Stakeholder Meeting 2 was held on Thursday, April 28, 2022, via WebEx. Invitations were sent to over 50 stakeholders. The agencies in attendance included representatives from Metro-Plan Orlando, Orange County Fire Rescue, Florida Department of Transportation (FDOT), Central Florida Expressway Authority (CFX), LYNX and Seminole County. See Appendix D.

As the study progresses, there may be the need for up to ten (10) small group meetings with organizations interested in the study. These meetings/presentations may be made to homeowners, formal homeowner associations, business owners or other formal organizations such as a Citizens Advisory Committee. The small group meetings will be scheduled directly with the requesting parties and will be summarized and included as part of the Public Involvement documentation.

1.4.3 Newsletters

Newsletters were distributed to homeowners and area businesses within the NEOCATS study area (adjusted as needed) in 8.5" x 11" color format. The distribution list included an active list of over 8,700 property addresses, including residences, homeowner's associations, neighborhood associations, area schools/colleges, faith-based organizations, non-profit organizations, and businesses. Five editions of the study newsletters will be prepared, in both English and Spanish, at the following events of the study:

- Edition 1: Prior to Outreach Meeting 1 (completed)
- Edition 2: Prior to Outreach Meeting 2 (completed)

The Chief Planner of the Transportation Planning Division and the County Communication Office must approve all final newsletter proofs prior to final printing. Each English newsletter edition includes printed copies of 110% of addresses in the mailing list database, plus an additional 50 copies for County internal distribution. Each Spanish newsletter edition includes printed copies of 10% of addresses in the mailing list database, plus an additional 50 copies for County internal distribution.

Orange County requires that the English newsletters be mailed to each entry in the mailing list database at least two weeks prior to scheduled meetings or hearings. The Spanish newsletters and remaining English newsletters not mailed can be distributed as needed through small group meetings, work sessions and public meetings. Newsletters can be emailed to property owners and stakeholders for which email addresses were obtained. In addition, the newsletters will be posted on the study website and dedicated project pages.

1.4.4 Newspaper Ads

Newspaper ads were developed with the purpose of informing the general public about upcoming meetings for the study. The notices were distributed at least two weeks prior to each Community Meeting. The notices were published in the Sunday Orange County Extra Section of the Orlando Sentinel and El Sentinel (English and Spanish). The advertisement format of the display ad was approximately 4" x 5" and included the time, date, place, and procedures of each meeting as well as topics to be considered. Notices encouraged all interested parties to participate and give their comments and input on the proposed plans being developed.

All newspaper ads were approved by the Chief Planner of the Transportation Planning Division and the County Communication Office prior to their distribution.

1.4.5 Media Contact

Orange County's Public Information Officer will oversee all contact with the media, which could include local newspapers (the Orlando Sentinel and El Sentinel), local television stations (Channel 2 - WESH, Channel 6 - WKMG, Channel 9 - WFTV, Channel 24 – PBS, Channel 35 – FOX, and Univision Orlando), and social media.

The study team provided study specific information to the Orange County Public Information Officer for use in press releases, interviews, and news articles as directed. News releases were prepared and submitted at least one week prior to each public meeting for media release by the Orange County Public Information Officer.

1.4.6 Study Website & Electronic Communication

Study information and updates were posted on a dedicated project webpage (<https://www.neocatstudy.com/>) on the Orange County website (www.ocfl.net). The webpage includes study details, such as: study area map, schedule, meeting notices, newsletters, and study documents. The dedicated project webpage was developed in conjunction with Orange County Communications Office and was frequently updated prior to each meeting milestone, and throughout the life of the study.

Email is the primary means of communication between the study team and stakeholders throughout NEOCATS. The study team used the email lists to share study updates and to notify stakeholders of upcoming meetings. Stakeholders were encouraged to share their ideas and concerns through email, providing a platform for documenting the input and study team responses.

1.5 Outreach Schedule

A study schedule for NEOCATS was established which includes anticipated dates for the following key outreach meetings. All of these events are open to the public.

- Community Meeting 1 – held on November 1, 2021
- Community Meeting 2 – held on March 30, 2022
- Orange County PZC (LPA) Work Session – September 15, 2022
- Orange County BCC Meeting – October 11, 2022

1.6 Outreach to Underserved Communities

Part of the responsibilities of Orange County is to foster outreach to previously underserved or underrepresented populations. To ensure all populations within the study area were made aware of the study and outreach opportunities, newsletters were mailed to all addresses, addressed to “Current Resident”, within the study area. Orange County Public Schools was also notified of upcoming events.

1.7 Special Accommodations for Persons with Disabilities

The Americans with Disabilities Act (ADA) of 1990 is a civil rights statute that prohibits discrimination against those with disabilities. Under Title II - Public Services of the ADA, transportation facilities in the public rights-of-way and pedestrian facilities must be accessible to those with disabilities.

Notification of Orange County’s intent to comply with the ADA was provided in the public meeting notifications, newsletters, handouts, and public meeting presentations. In addition, all virtual public meeting were ADA compliant.

Questions, concerns, comments, or requests for accommodation should be made to the following:

Email: ADACoordinator@ocfl.net
Phone: 407-836-8083
Hearing Impaired: Florida Relay 7-1-1

1.8 Environmental Justice

Environmental justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, disability, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. Fair treatment means that no group of people should bear a disproportionate share of the negative environmental consequences resulting from industrial, governmental, and commercial operations or policies. The purpose of Environmental Justice is to allow everyone the same degree of protection from environmental and health hazards and equal access to the decision-making process in order to have a healthy environment in which to live, learn, and work. Environmental Justice ensures that:

- All people have an opportunity to participate in decisions about activities that may affect their environment and/or health;

- the public's contribution can influence the regulatory agency's decision;
- concerns of the local stakeholders will be considered in the decision-making process; and
- the decision makers seek out and facilitate the involvement of those who are potentially affected.

Throughout NEOCATS, provisions were made to proactively engage low-income, minority, elderly, and Limited English Proficiency (LEP) populations within the study area so everyone affected had an opportunity to participate in the study or voice their concerns in their preferred language. The study team required at least seven (7) calendar days prior to public meetings to accommodate language requests.

1.9 Title VI of the Civil Rights Act of 1964

Statements regarding the Title VI program and compliance was included in all meeting notifications, newsletters, handouts, and public meeting presentations.

1.10 Public Involvement Summary

This updated PIP will serve as a summary report to document the results and recommendations of the scheduled public meetings, and includes copies of the exhibits, presentations, handouts, and comments or response letters. This report also contains the overall input provided through any other public involvement methods utilized in the project development process.

Following is a summary of the NEOCATS public outreach in chronological order.

1.10.1 November 1, 2021 – Community Meeting 1

Community Meeting 1 was held on Monday, November 1, 2021, from 6:00-7:00 p.m.

The purpose of this first of two meetings was to present the data collection findings for existing traffic conditions and 2045 traffic forecasts, and to obtain public feedback on transportation issues important to the community. The meeting was held via GoToWebinar:

- Accessed by computer or smartphone at <https://bit.ly/neocats-online-meeting>
- And via phone at (631) 992-3221 (enter access code: 606-293-831 as prompted)

The meeting included a formal presentation by the Orange County Project Manager, Hatem Abou-Senna, PhD., P.E., and was followed by an informal question and answer period. Members of the public posted questions in the GoToWebinar chat window. The questions were read aloud by a project team member, followed by a response from the Project Manager, or other County representative as appropriate. Following the meeting, a Questions and Answers Forum was uploaded to the study website providing answers to both questions answered and not answered during the live meeting.

A video recording of the meeting and responses to all questions were posted on the project website (<https://neocatstudy.com/documents.html>).

Appendix A includes the Community Meeting 1 public notification materials, presentation, and responses to questions.

1.10.2 January 21, 2022 – Stakeholder Meeting 1

The stakeholder coordination meeting for NEOCATS was held on Friday, January 21, 2022, via WebEx. The purpose of this meeting was to present the results of the existing conditions and future No-Build conditions analysis, and to obtain stakeholder feedback regarding any planned projects or improvements within the study area.

The coordination included representatives from MetroPlan Orlando, Orange County Public Schools (OCPS), Orange County Fire Rescue, Orange County Sheriff's Office, Florida Department of Transportation (FDOT), Central Florida Expressway Authority (CFX), LYNX, University of Central Florida (UCF), Central Florida Research Park and Seminole County.

The meeting summary is included as Appendix B.

1.10.3 March 30, 2022 – Community Meeting 2

Community Meeting 2 was held on Wednesday, March 30, 2022, from 6:00-7:00 p.m.

The purpose of this meeting, which is the second of two community meetings, was to present the findings and recommendations of the proposed future year 2045 transportation needs plan, and to obtain public feedback on the initial recommendations. The types of recommendations considered included roadway widening, new roadways, safety improvements, intersection improvements,

pedestrian/bicycle related improvements, and transit improvements. The meeting was held via GoToWebinar:

- Accessed by computer or smartphone at <https://bit.ly/neocats-online-meeting2>
- And via phone at (213) 929-4212 (enter access code: 327-649-654 as prompted)

The meeting included a formal presentation by the Orange County Project Manager, Hatem Abou-Senna, PhD., P.E., and was followed by an informal question and answer period. Members of the public posted questions in the GoToWebinar chat window. The questions were read aloud by a project team member, followed by a response from the Project Manager, or other County representative as appropriate. Following the meeting, a Questions and Answers Forum was uploaded to the study website providing answers to both questions answered and not answered during the live meeting.

A video recording of the meeting and responses to all questions were posted on the project website (<https://neocatstudy.com/documents.html>). Appendix C includes the Community Meeting 2 public notification materials, presentation, and responses to questions.

1.10.4 April 28, 2022 – Stakeholder Meeting 2

The second stakeholder coordination meeting for NEOCATS was held on Thursday, April 28, 2022, via WebEx. The purpose of this meeting was to present the findings and recommendations of the proposed future year 2045 transportation needs plan, and to obtain stakeholder feedback on the initial recommendations.

The coordination included representatives from MetroPlan Orlando, Orange County Fire Rescue, Florida Department of Transportation (FDOT), Central Florida Expressway Authority (CFX), LYNX and Seminole County.

The meeting summary is included as Appendix D.

1.10.5 September 15, 2022 – Planning and Zoning Commission / Local Planning Agency (PZC/LPA) Work Session

A Work Session was held with the regularly scheduled Orange County Planning and Zoning Commission (PZC) / Local Planning Agency (PZC/LPA) on September 15, 2022. The recommendations for the study were presented for comment during the PZC/LPA Work Session. The meeting summary, along with a copy of the PowerPoint presentation is attached as Appendix E.

1.10.6 October 11, 2022 – Board of County Commissioners Meeting

A Work Session was held with the regularly scheduled Board of County Commissioners (BCC) meeting on October 11, 2022. The recommendations of the study were presented for comment. Acceptance of the study report was requested from the BCC. The NEOCATS Needs Plan Study Report was accepted by the BCC with a vote of 4 to 1. The meeting summary, along with a copy of the PowerPoint presentation is attached as Appendix F.

APPENDIX A

Community Meeting 1



Orange County Mayor:
Jerry L. Demings



District 4 Commissioner:
Maribel Gomez Cordero



District 5 Commissioner:
Emily Bonilla

Orange County Mayor Jerry Demings and District 4 and 5 Commissioners Maribel Gomez Cordero and Emily Bonilla, invite you to attend a virtual kickoff meeting for the **North East Orange County Areawide Transportation Study**.

What is NEOCATS?

Orange County is undertaking NEOCATS to proactively identify future transportation needs - that aligns with the needs of residents and businesses - to accommodate future growth in the northeast area of the County.

North East Orange County faces many growth challenges over the next few years. How that growth is managed will directly impact the transportation network and your mobility challenges.

What are the project limits?

The study area is approximately 19.8 square miles bordered by the Orange/Seminole County Line to the north, CR 419/Chuluota Road to the east, Colonial Drive to the south and Rouse Road to the west.

What is the intent of this meeting?

The purpose of this first of two meetings is to present the data collection findings for existing traffic conditions and 2045 traffic forecasts, and to obtain your feedback on transportation issues important to you!

North East Orange County Areawide Transportation Study (NEOCATS)

JOIN US!

Visit us online using the **QR code** to the right or at www.neocatstudy.com to:



Receive project updates



Submit your feedback using the online tool



Spread the word to others in your community



SCAN ME

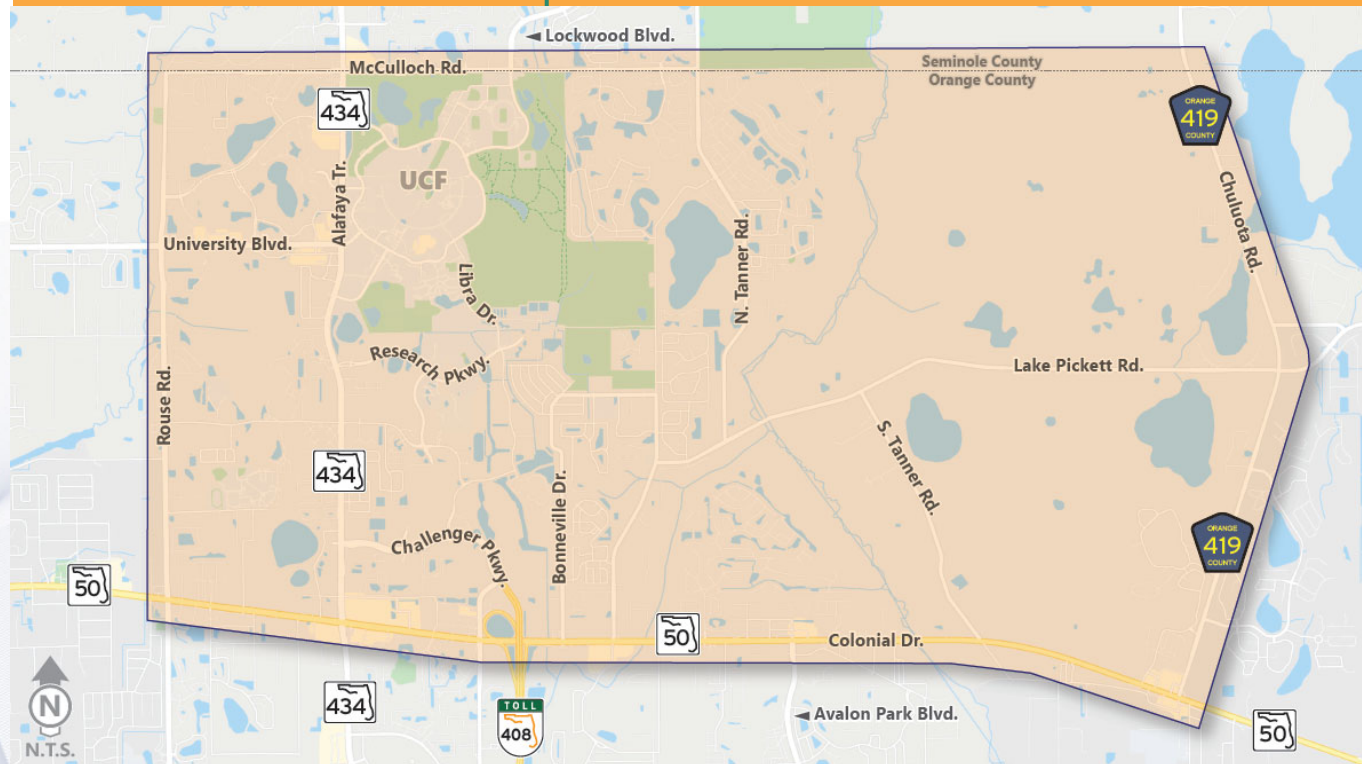
Orange County will host
a live online meeting on

NOVEMBER 1, 2021

from 6:00-7:00 p.m.

This meeting will be held via GoToWebinar and can be accessed by computer or smartphone. To attend the meeting, please visit <https://bit.ly/neocats-online-meeting> or call (631) 992-3221 (enter access code: 606-293-831 if prompted).

Members of the public will have opportunities to submit questions and provide comments. A recording of the meeting will be available via the project website.



What's next?

Public engagement activities are planned throughout the duration of the project. This newsletter is one of the first steps to introduce the study, provide contact information and establish communication with the public, agency staff, elected officials and other interested stakeholders. A tentative schedule of upcoming activities is included below.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, income, disability or familial status.

Persons who require language translation or interpretive services, which are provided at no cost, should contact Ricardo Daye, Orange County Title VI/Nondiscrimination coordinator, at 407-836-5825 or ricardo.daye@ocfl.net at least seven (7) days prior to the meeting.

Persons requiring special accommodations under the American with Disabilities Act of 1990 (ADA) may request assistance from Nicola Norton, County ADA coordinator, at 407-836-6568 or nicola.norton@ocfl.net at least seven (7) days prior to the meeting.

[We strongly encourage public participation and welcome your comments!](#)

Where can I get more information?

For more information or if you have questions or comments about the NEOCATS, please contact the following representative and/or visit the project website at www.neocatstudy.com.

Hatem A. Abou-Senna, PhD., P.E.,
Project Manager, Transportation Planning Division
(407) 836-8023 / hatem.abou-senna@ocfl.net
4200 S. John Young Pkwy., Orlando, FL. 32839

Babuji Ambikapathy, AICP, P.E.
Consultant Project Manager
(407) 230-2762 / bambikapathy@vhb.com
225 E. Robinson Street, Suite 300,
Landmark Center Two, Orlando, FL 32801-4326

Para información en Español:

Jonathon J. Fong, P.E.
Orange County Public Works Department
(407) 836-7976 / jonathan.fong@ocfl.net
4200 S. John Young Pkwy., Orlando, FL. 32839



@OrangeCoFL



Orange County,
Florida Government

«ORDER» («HEARING»)
CURRENT RESIDENT or
«AddressBlock»

North East Orange County Areawide Transportation Study (NEOCATS)

Community Meeting #1



NEWSLETTER
Issue No. 1 | Nov. 2021





Alcalde del Condado de Orange: **Jerry L. Demings**

Comisionado del Distrito 4: **Maribel Gómez Cordero**

Comisionado del Distrito 5: **Emily Bonilla**

El alcalde del condado de Orange, Jerry Demings, y las comisionadas de los distritos 4 y 5, Maribel Gómez Cordero y Emily Bonilla, los invitan a asistir a una reunión virtual de inicio del **Estudio de Transporte en todo el área del noreste del Condado de Orange**.

¿Qué es NEOCATS?

El Condado de Orange está llevando a cabo NEOCATS para identificar de manera proactiva las necesidades de transporte futuras, que se alinean con las necesidades de los residentes y las empresas, para adaptarse al crecimiento futuro en el área noreste del condado.

El noreste del condado de Orange enfrenta muchos desafíos de crecimiento en los próximos años. La forma en que se gestiona ese crecimiento tendrá un impacto directo en la red de transporte y sus desafíos de movilidad.

¿Cuáles son los límites del proyecto?

El área de estudio es de aproximadamente 19.8 millas cuadradas y limita con la línea del condado de Orange / Seminole al norte, CR 419 / Chuluota Road al este, Colonial Drive al sur y Rouse Road al oeste.

¿Cuál es la intención de esta reunión?

El propósito de esta primera de dos reuniones es presentar los resultados de la recopilación de datos para las condiciones de tráfico existentes y los pronósticos de tráfico para 2045, ¡y obtener sus comentarios sobre los problemas de transporte que son importantes para usted!

Estudio de Transporte en todo el área del noreste del Condado de Orange (NEOCATS)

¡ÚNASE A NOSOTROS!

Visítenos en línea usando el **código QR** a la derecha o en www.neocatstudy.com para:



Recibir actualizaciones del proyecto



Envíe sus comentarios utilizando la herramienta en línea



Corra la voz a otros en su comunidad



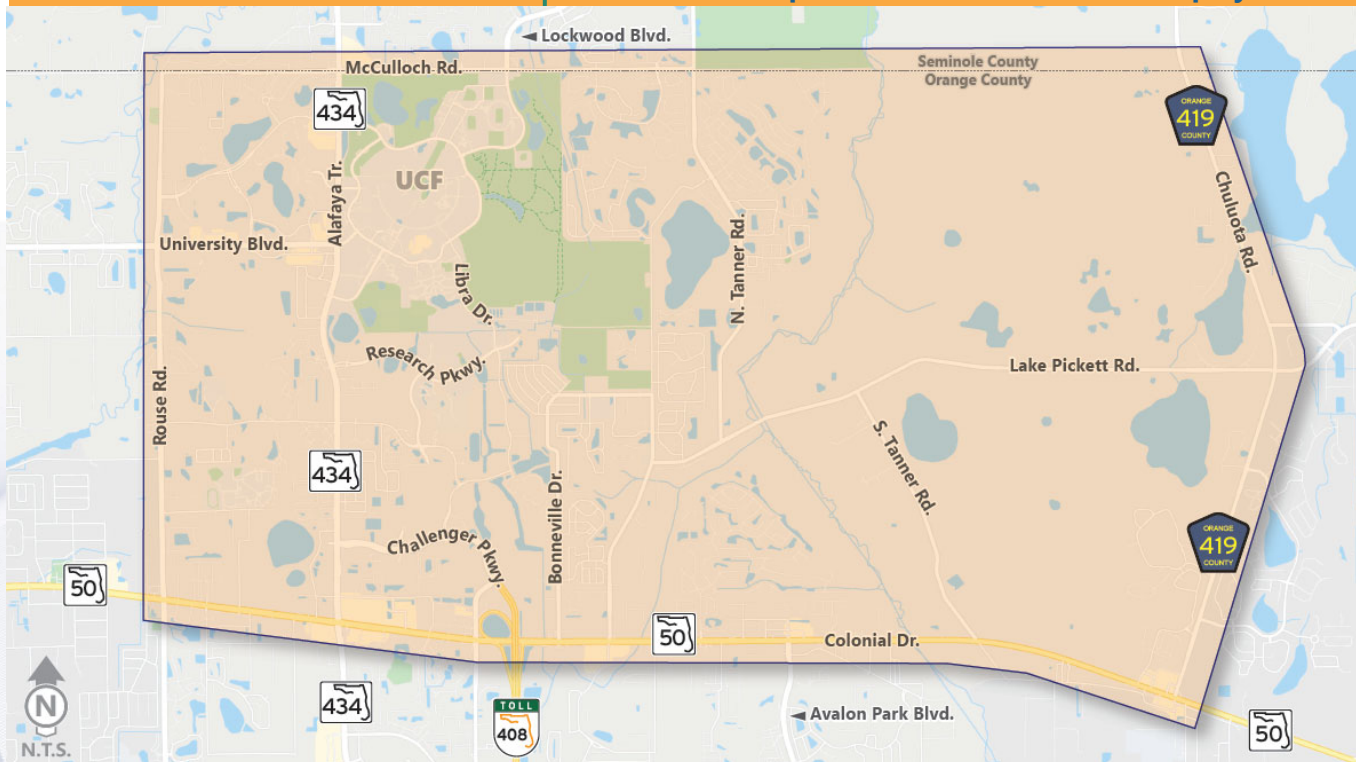
El Condado de Orange ofrecerá una reunión en línea en vivo el

1 DE NOVIEMBRE DE 2021

de 6:00-7:00 p.m.

Esta reunión se llevará a cabo a través de GoToWebinar y se puede acceder por computadora o teléfono. Para asistir a la reunión, visite <https://bit.ly/neocats-online-meeting> o llame al (631) 992-3221 (ingrese el código de acceso: 606-293-831 si se le solicita).

Los miembros del público tendrán la oportunidad de enviar preguntas y proporcionar comentarios. Una grabación de la reunión estará disponible a través del sitio web del proyecto.



¿Qué sigue?

Las actividades de participación pública se planifican a lo largo de la duración del proyecto. Este boletín es uno de los primeros pasos para presentar el estudio, proporcionar información de contacto y establecer comunicación con el público, el personal de la agencia, los funcionarios electos y otras partes interesadas. A continuación se incluye un calendario tentativo de las próximas actividades.

Se solicita la participación pública sin distinción de raza, color, nacionalidad, edad, sexo, religión, ingresos, discapacidad o estado familiar. Las personas que requieran traducción de idiomas o servicios de interpretación, que se brindan sin costo alguno, deben comunicarse con Ricardo Daye, coordinador del Título VI / No Discriminación del Condado de Orange, al 407-836-5825 o ricardo.daye@ocfl.net al menos siete (7) días antes de la reunión.

Las personas que requieran adaptaciones especiales según la Ley de Estadounidenses con Discapacidades de 1990 (ADA) pueden solicitar ayuda a Nicola Norton, coordinadora de ADA del condado, a nicola.norton@ocfl.net o 407-836-6568 al menos siete (7) días antes de la cita.

[¡Alentamos fuertemente la participación pública y agradecemos sus comentarios!](#)

Comienzo del proyecto

Reuniones de divulgación pública

Talleres y audiencias públicas de la Agencia de Planificación Local (LPA) / Junta de Comisionados del Condado (BCC)

Recopilación y análisis de datos de tráfico

Modelado de transporte

Evaluación de escenarios y plan de necesidades

Condiciones ambientales

Informe final y resumen del proyecto

¿Dónde puedo obtener más información?

Para obtener más información o si tiene preguntas o comentarios sobre NEOCATS, comuníquese con el siguiente representante y / o visite el sitio web del proyecto en www.neocatstudy.com

Hatem A. Abou-Senna, PhD., P.E.,
Gerente de Proyecto

División de Planificación de Transporte
(407) 836-8023 / hatem.abou-senna@ocfl.net

4200 S. John Young Pkwy., Orlando, FL. 32839

Babuji Ambikapathy, AICP, P.E.

Asesor, Administración de Proyectos
(407) 230-2762 / bambikapathy@vhb.com

225 E. Robinson Street, Suite 300,
Landmark Center Two, Orlando, FL 32801-4326

Para información en español:

Jonathon J. Fong, P.E.

Departamento de Obras Públicas del Condado de Orange / (407) 836-7976 / jonathan.fong@ocfl.net

4200 S. John Young Pkwy., Orlando, FL. 32839



@OrangeCoFL



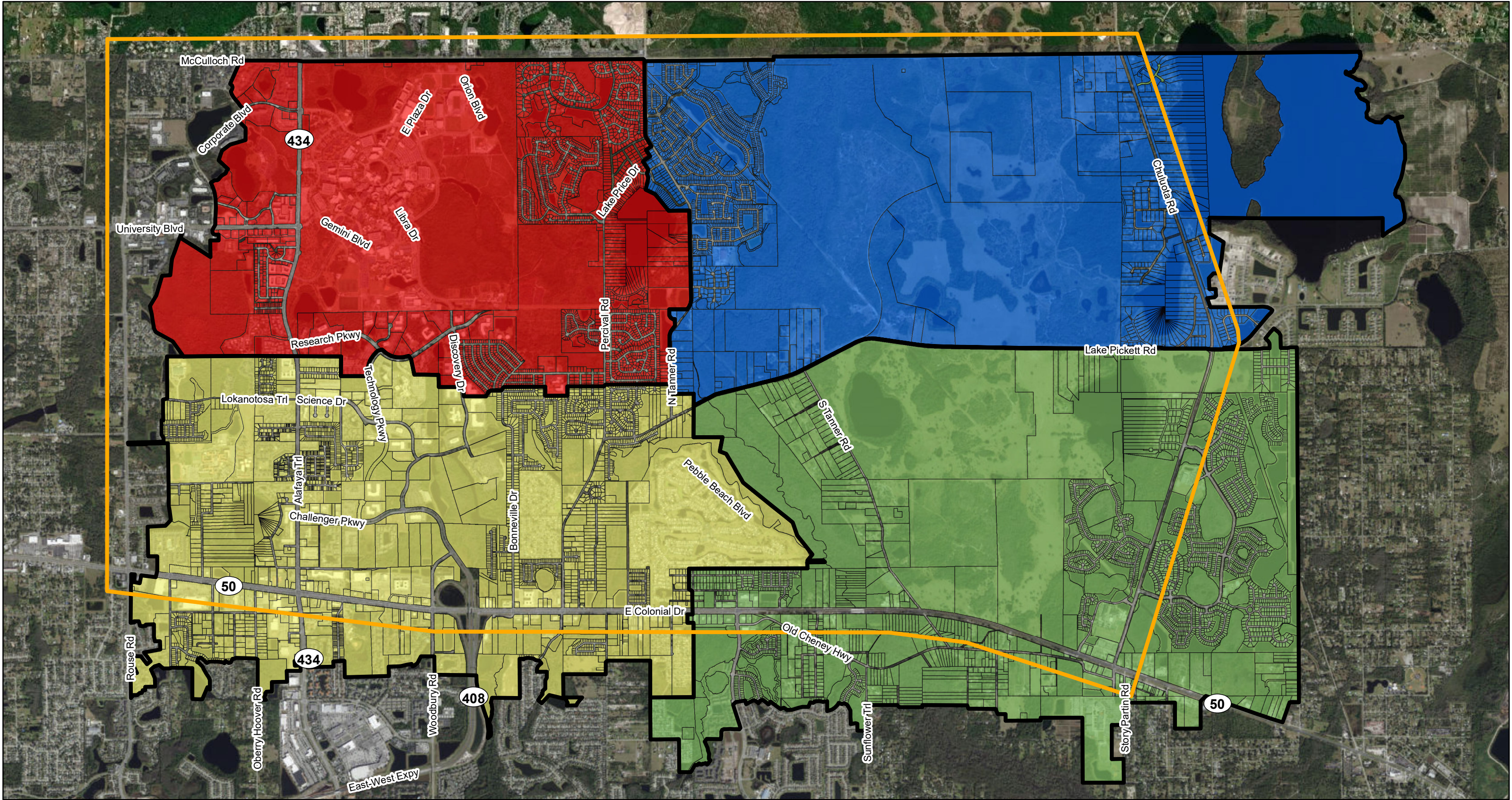
Gobierno del Condado
de Orange, Florida



**Estudio de transporte
en todo el área del
noreste del Condado
de Orange (NEOCATS)
Reuniones Comunitarias #1**

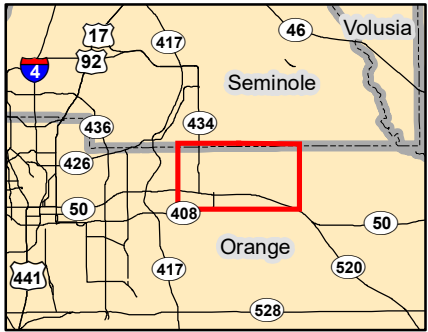


BOLETÍN
Edición No. 1 | Nov. 2021



Legend

- Stakeholders - Quadrant 1
- Stakeholders - Quadrant 2
- Stakeholders - Quadrant 3
- Stakeholders - Quadrant 4
- Analysis Coverage Areas
- Traffic Study Area



Mailing List Coverage Area Map
The North East Orange County
Areawide Transportation Study
(NEOCATS)

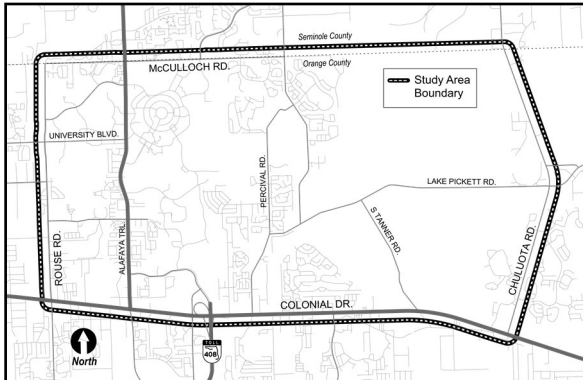
PUBLIC NOTICE

North East Orange County Areawide Transportation Study (NEOCATS) *Public Meeting No. 1, Monday, November 1, 2021*

The Orange County Transportation Planning Division is undertaking NEOCATS to proactively identify future transportation needs, that align with the needs of residents and businesses to accommodate future growth in the northeast area of the County. Northeast Orange County faces many growth challenges over the next few years. How that growth is managed will directly impact the transportation network and your mobility challenges. The purpose of this first of two meetings is to present the data collection findings for existing traffic conditions and 2045 traffic forecasts, and to obtain public feedback on transportation issues important to the community!

Due to COVID 19, this meeting will be held online via GoToWebinar. The virtual public meeting is free to attend and can be accessed by computer and smartphone. The meeting will include a presentation of findings and initial recommendations for further study. The public will have opportunities to ask questions and provide comments and input to Orange County and project representatives. **To attend the meeting, please visit <https://bit.ly/neocats-online-meeting> or call (631) 992-3221 (enter access code: 606-293-831 if prompted).**

Following the live virtual meeting, the recorded meeting will be available via the project website at www.neocatstudy.com. The website includes an online comment section where the public can provide additional input, sign up for regular project updates, and find more information about the study.



If you have any questions regarding the project or meeting, please contact:

Hatem A. Abou-Senna, PhD., P.E.
Project Manager
Orange County Transportation Planning
Division
Phone: 407-836-8023
Email: hatem.abou-senna@ocfl.net

Babuji Ambikapathy, AICP, P.E.
Consultant Project Manager
Phone: 407-230-2762
Email: bambikapathy@vhb.com

Para información en Español, llame a:

Jonathan J. Fong, P.E.
Orange County Public Works
Engineering Division
Teléfono: 407-836-7976
Correo Electrónico: jonathan.fong@ocfl.net

Public participation is solicited without regard to race, color, national origin, age, sex, religion, income, disability or familial status. Persons who require language translation or interpretive services, which are provided at no cost, should contact Ricardo Daye, Orange County Title VI/Nondiscrimination coordinator, at 407-836-5825 or ricardo.daye@ocfl.net at least seven (7) days prior to the meeting. Persons requiring special accommodations under the American with Disabilities Act of 1990 (ADA) may request assistance from Nicola Norton, County ADA coordinator, at 407-836-6568 or nicola.norton@ocfl.net at least seven (7) days prior to the meeting.

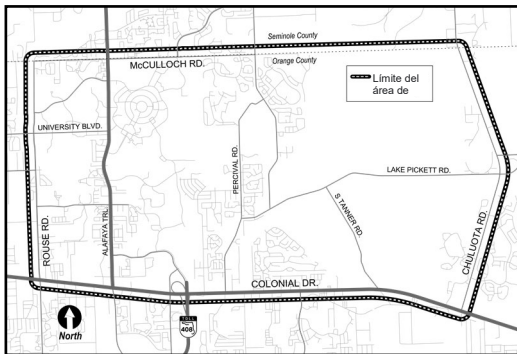
AVISO PÚBLICO

Estudio de transporte en todo el área del noreste del condado de Orange (NEOCATS) *Reunión Comunitaria No. 1, lunes 1 de noviembre de 2021*

La División de Planificación de Transporte del Condado de Orange está llevando a cabo NEOCATS para identificar de manera proactiva las necesidades de transporte futuras, que se alineen con las necesidades de los residentes y las empresas para adaptarse al crecimiento futuro en el área noreste del condado. El noreste del condado de Orange enfrenta muchos desafíos de crecimiento en los próximos años. La forma en que se gestiona ese crecimiento tendrá un impacto directo en la red de transporte y su movilidad. El propósito de esta primera de dos reuniones es presentar los resultados de la recopilación de datos para las condiciones de tráfico existentes y los pronósticos de tráfico para 2045, y obtener comentarios del público sobre temas de transporte importantes para la comunidad.

Debido a COVID 19, esta reunión se llevará a cabo en línea a través de GoToWebinar. La reunión pública virtual es gratuita y se puede acceder por computadora y teléfono. La reunión incluirá una presentación de hallazgos y recomendaciones iniciales para un estudio más a fondo. El público tendrá la oportunidad de hacer preguntas y proporcionar comentarios y aportes al Condado de Orange y a los representantes del proyecto. **Para asistir a la reunión, visite <https://bit.ly/neocats-online-meeting> o llame al (631) 992-3221 (ingrese el código de acceso: 606-293-831 si se le solicita).**

Después de la reunión virtual en vivo, la reunión grabada estará disponible a través del sitio web del proyecto en www.neocatstudy.com. El sitio web incluye una sección de comentarios en línea donde el público puede proporcionar información adicional, registrarse para recibir actualizaciones periódicas del proyecto y encontrar más información sobre el estudio.



Si tiene alguna pregunta sobre el proyecto o la reunión, comuníquese con:

Hatem A. Abou-Senna, PhD., P.E.
Gerente de Proyecto
División de Planificación de Transporte del Condado de Orange
Teléfono: 407-836-8023
Correo electrónico: hatem.abou-senna@ocfl.net

Babuji Ambikapathy, AICP, P.E.
Consultor Administración de Proyectos
Teléfono: 407-230-2762
Correo electrónico: bambikapathy@vvhb.com

Para información en español, llame a:

Jonathan J. Fong, P.E.
Departamento de Obras Públicas del Condado de Orange, División de Ingeniería
Teléfono: 407-836-7976
Correo Electrónico: jonathan.fong@ocfl.net

Se solicita la participación pública sin distinción de raza, color, nacionalidad, edad, sexo, religión, ingresos, discapacidad o estado familiar. Las personas que requieran traducción de idiomas o servicios de interpretación, que se brindan sin costo alguno, deben comunicarse con Ricardo Daye, coordinador del Título VI / No Discriminación del Condado de Orange, al 407-836-5825 o ricardo.daye@ocfl.net al menos siete (7) días antes de la reunión. Las personas que requieran adaptaciones especiales bajo la Ley de Estadounidenses con Discapacidades de 1990 (ADA) pueden solicitar ayuda a Nicola Norton, coordinadora de ADA del condado, al 407-836-6568 o nicola.norton@ocfl.net al menos siete (7) días antes de la cita.



FOR IMMEDIATE RELEASE

November 1, 2021

Contact: Despina C. McLaughlin, Public Information Officer
Telephone: 407-836-5964
Email: pio@ocfl.net

**North East Orange County Areawide Transportation Study (NEOCATS)
Community Meeting No. 1, Monday, November 1, 2021**

Orange County, FL – The Orange County Transportation Planning Division is undertaking NEOCATS to proactively identify future transportation needs, that align with the needs of residents and businesses to accommodate future growth in the northeast area of the County. Northeast Orange County faces many growth challenges over the next few years. How that growth is managed will directly impact the transportation network and your mobility challenges. The purpose of this first of two meetings is to present the data collection findings for existing traffic conditions and 2045 traffic forecasts, and to obtain public feedback on transportation issues important to the community!

**Virtual Public Meeting
Monday, November 1, 2021
6:00 to 7:00 p.m.**

Due to COVID 19, this meeting will be held online via GoToWebinar. The virtual public meeting is free to attend and can be accessed by computer and smartphone. The meeting will include a presentation of findings and initial recommendations for further study. The public will have opportunities to ask questions and provide comments and input to Orange County and project representatives. **To attend the meeting, please visit <https://bit.ly/neocats-online-meeting> or call (631) 992-3221 (enter access code: 606-293-831 if prompted).**

Following the live virtual meeting, the recorded meeting will be available via the project website at www.neocatstudy.com. The website includes an online comment section where the public can provide additional input, sign up for regular project updates, and find more information about the study.

If you have any questions regarding the project or meeting, please contact Hatem A. Abou-Senna, PhD., P.E., Project Manager, Orange County Transportation Planning Division, at 407-836-8023 or hatem.abou-senna@ocfl.net. Para información en Español, llame a Jonathan J. Fong, P.E.; Orange County Public Works, Engineering Division; 4200 S. John Young Parkway, Orlando, FL 32839; Teléfono: 407-836-7976; Correo Electrónico: jonathan.fong@ocfl.net.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, income, disability or familial status. Persons who require language translation or interpretive services, which are provided at no cost, should contact Ricardo Daye, Orange County Title VI/Nondiscrimination coordinator, at 407-836-5825 or ricardo.daye@ocfl.net at least seven (7) days prior to the meeting. Persons requiring special accommodations under the American with Disabilities Act of 1990 (ADA) may request assistance from Nicola Norton, County ADA coordinator, at 407-836-6568 or nicola.norton@ocfl.net at least seven (7) days prior to the meeting.

About Orange County Government: Orange County Government strives to serve its citizens and guests with integrity, honesty, fairness and professionalism. Located in Central Florida, Orange County includes 13 municipalities and is home to world-famous theme parks, the nation's second-largest convention center and a thriving life science

research park. Seven elected members make up the Board of County Commissioners including the Mayor who is elected countywide. For more information, please visit www.ocfl.net or go to the Orange County Facebook and Twitter pages.



North East Orange County Areawide Transportation Study (NEOCATS)

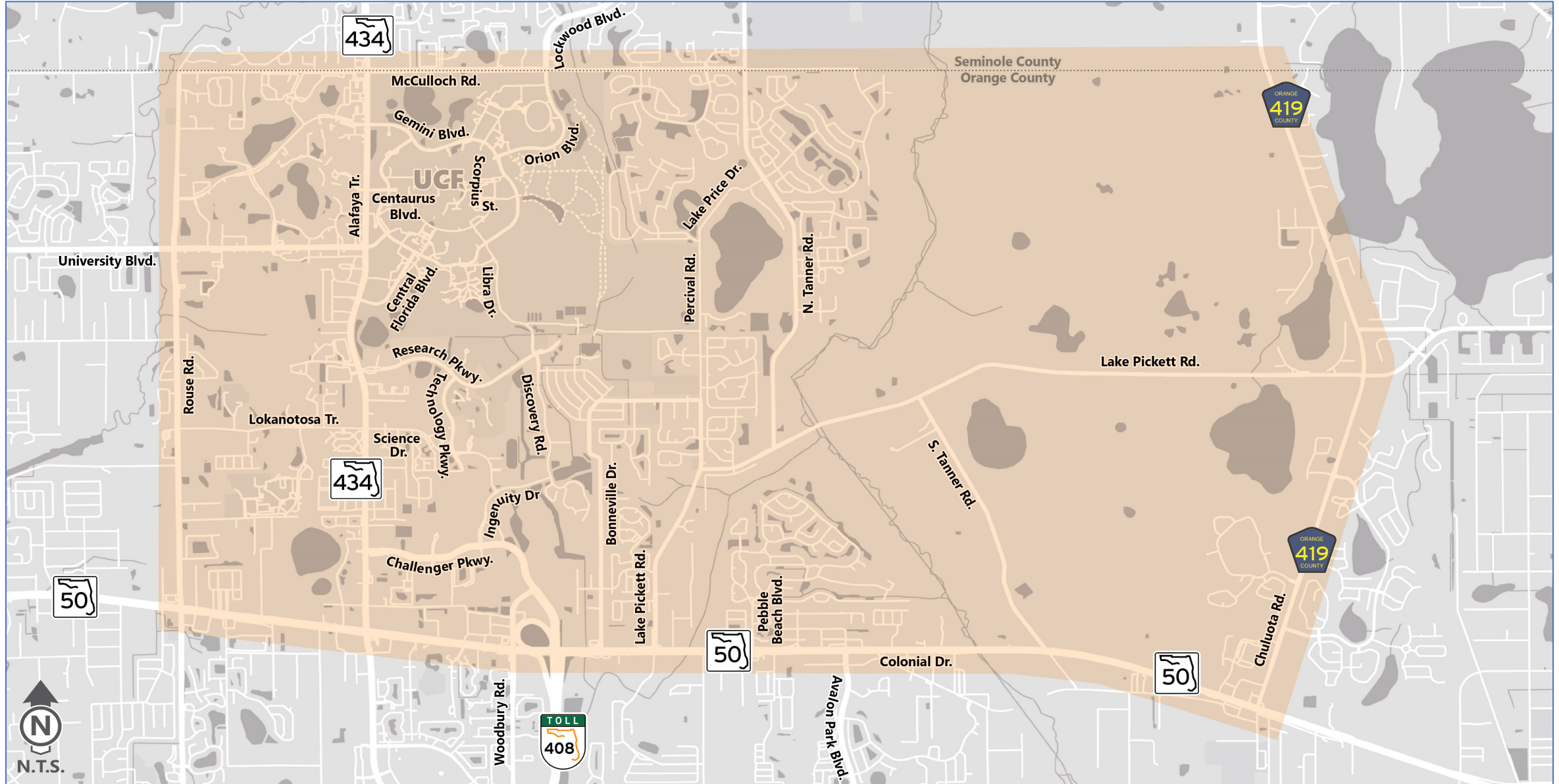


The Virtual Public Meeting will begin at 6:00 P.M.

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?





Agenda



- ▶ **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

Hatem A. Abou-Senna, PhD., P.E.

Project Manager

Orange County Transportation Planning Division
4200 S. John Young Pkwy.
Orlando, FL. 32839

Phone: (407) 836-8023

Email: hatem.abou-senna@ocfl.net

Website: www.neocatstudy.com



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



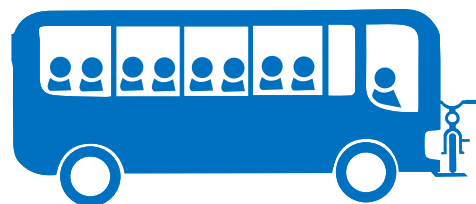
Study Purpose and Objectives

Study Purpose

*"Support future growth
while preserving
community character"*

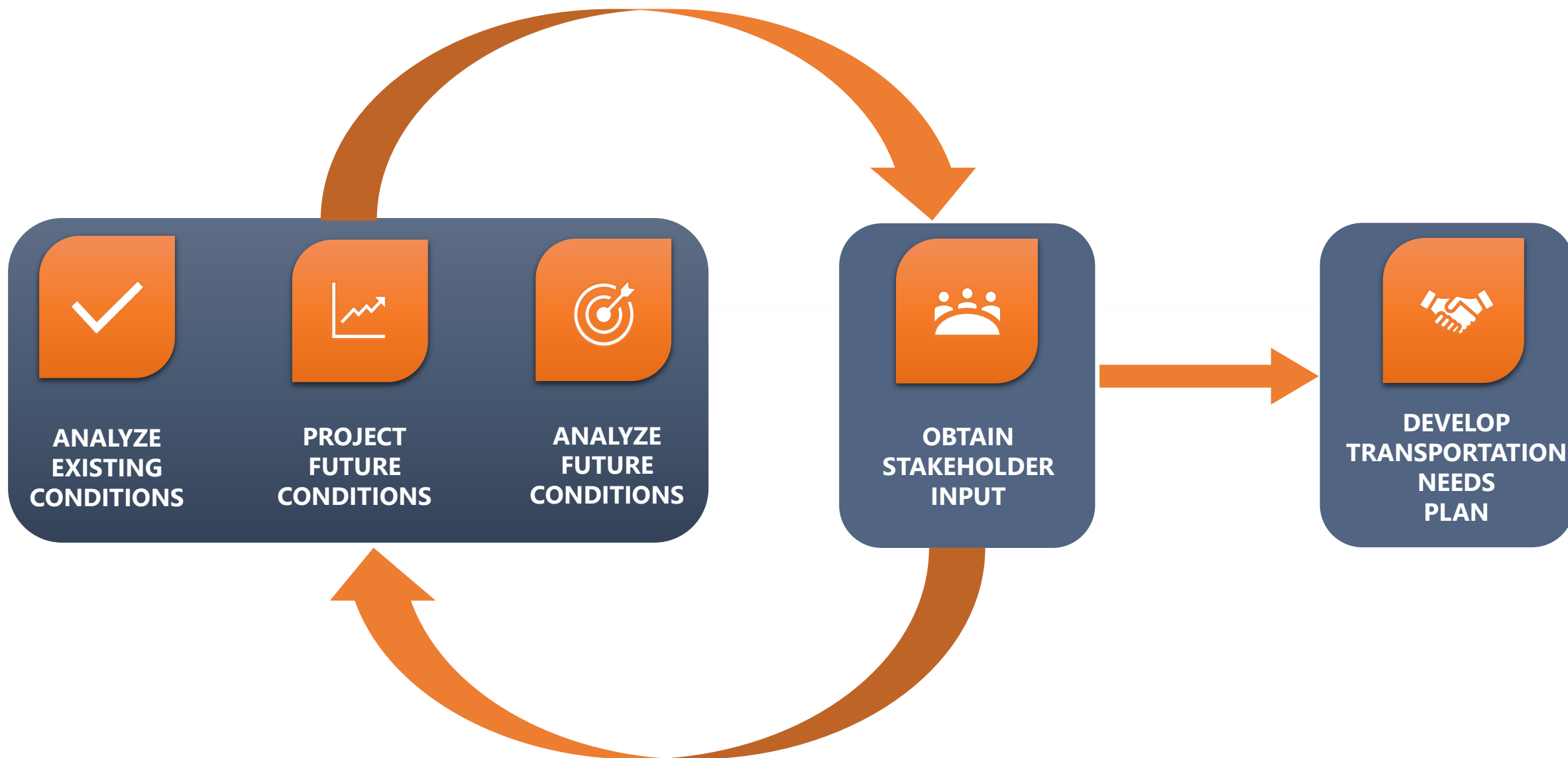
Objectives

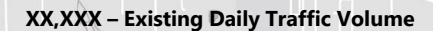
- Improve **Safety, Mobility & Connectivity** for people who drive, walk, bike and use transit
- Identify and prioritize potential transportation projects
 - Improve network connectivity
 - Provide relief to constrained corridors
 - Short-term (2025), mid-term (2035), and long-term (2045) improvements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





Study Approach





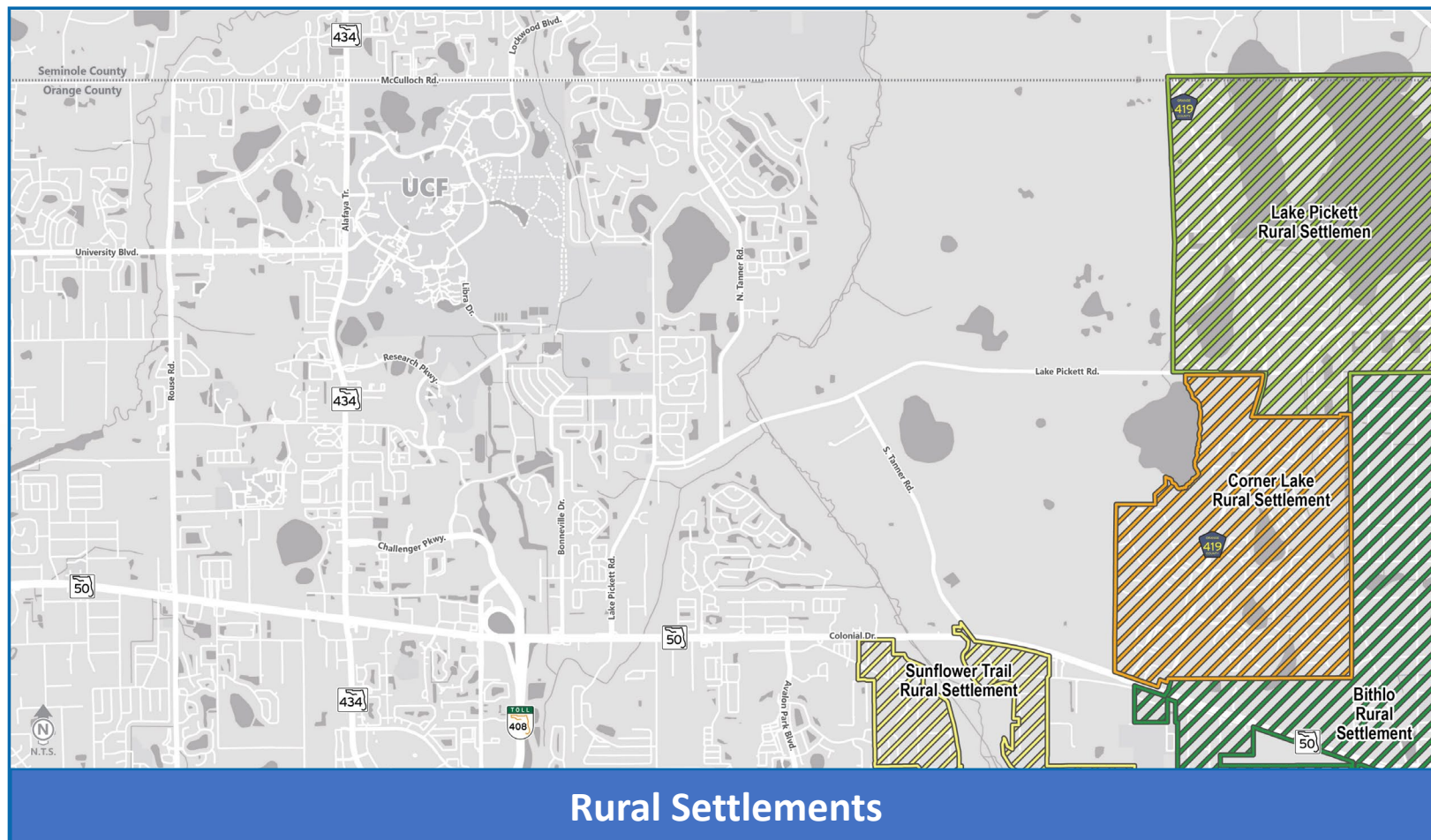
* This DRI application is withdrawn. A portion of the Rybolt Park DRI is currently being processed as Sustanee development.



Rural Settlements

Rural Settlements – 4

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

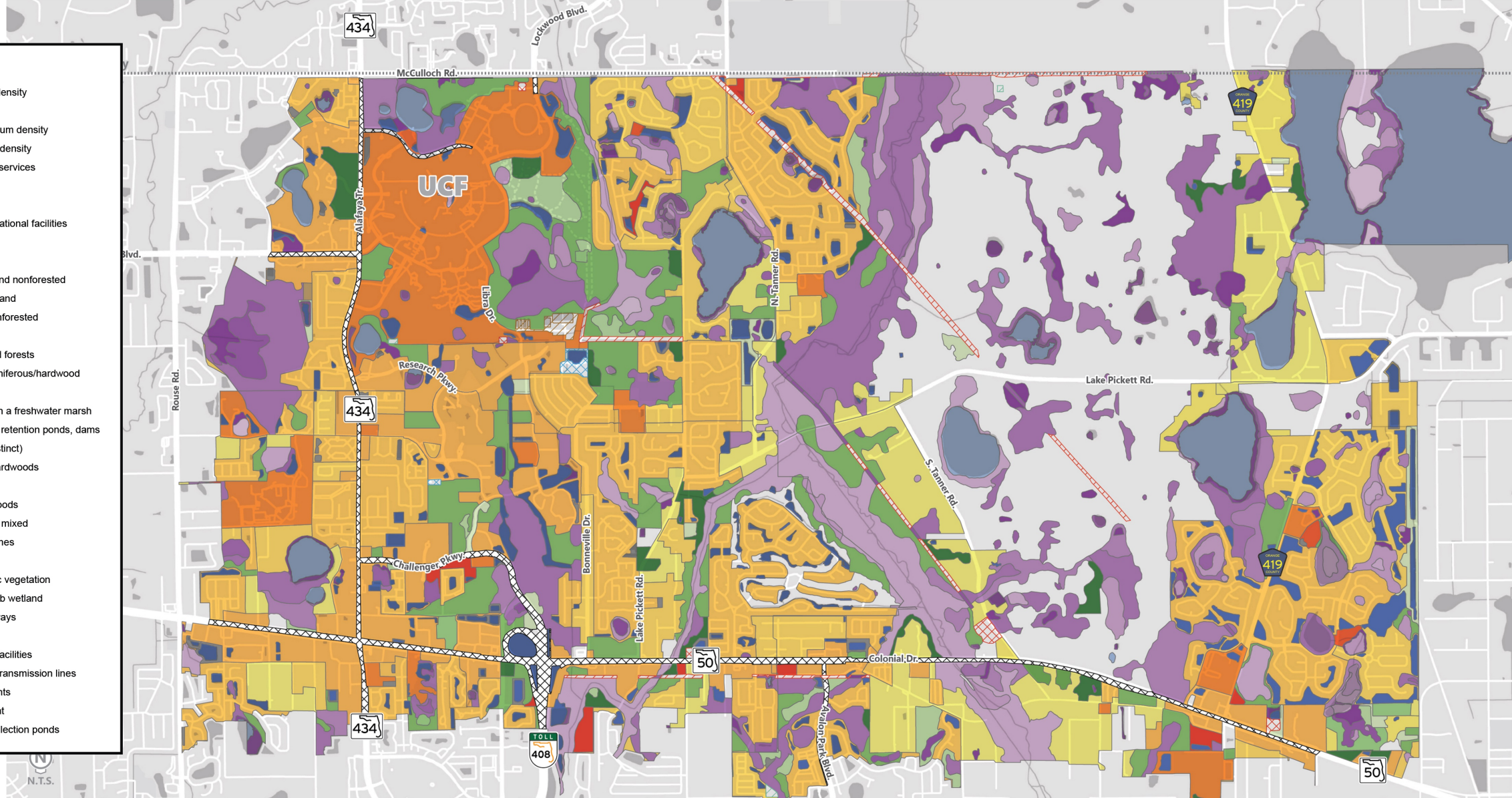




Existing Land Use

Legend

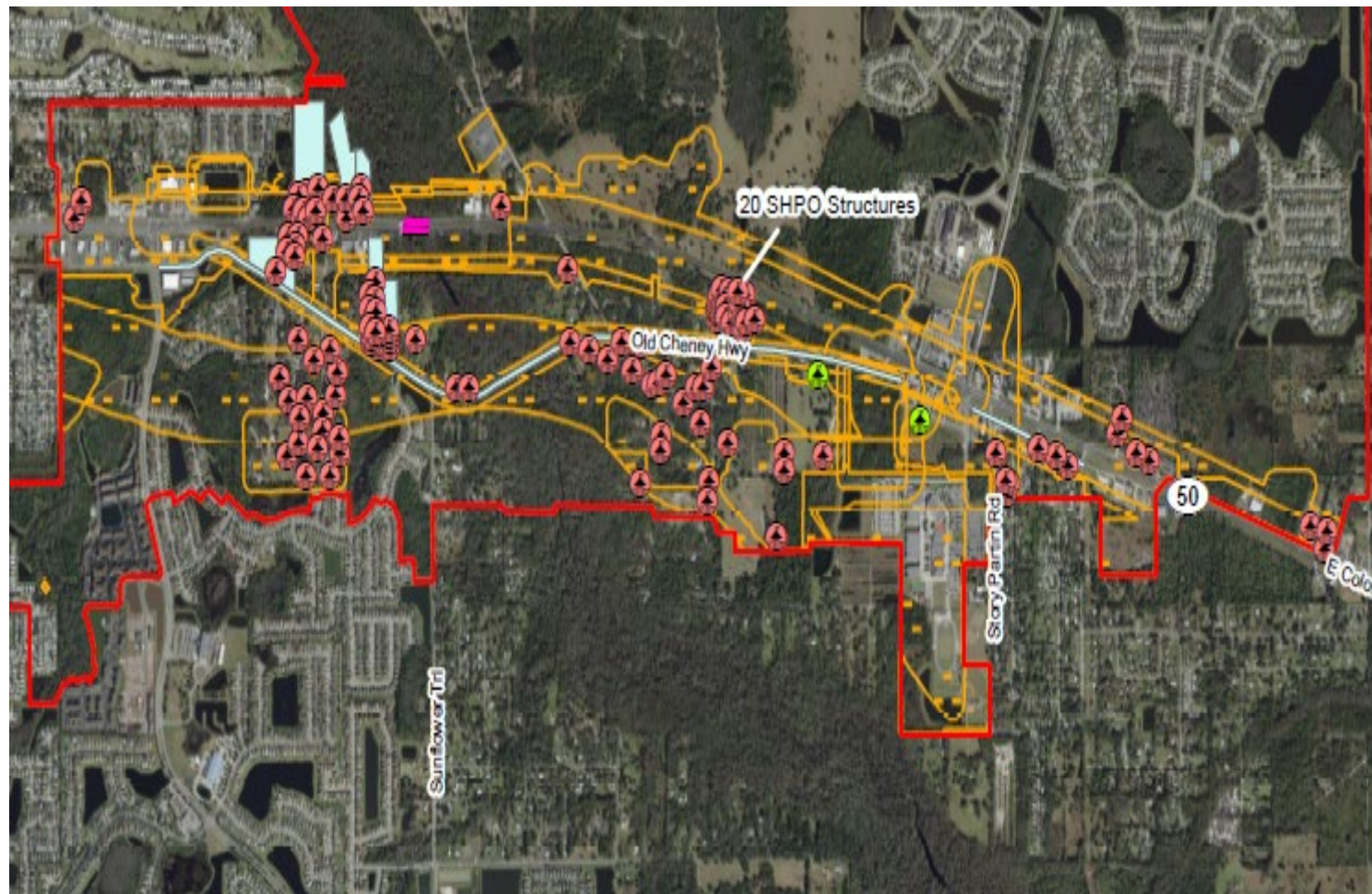
- 1100: Residential, low density
- 1180: Rural residential
- 1200: Residential, medium density
- 1300: Residential, high density
- 1400: Commercial and services
- 1700: Institutional
- 1850: Parks and zoos
- 1860: Community recreational facilities
- 1900: Open land
- 2150: Field crops
- 3100: Herbaceous 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

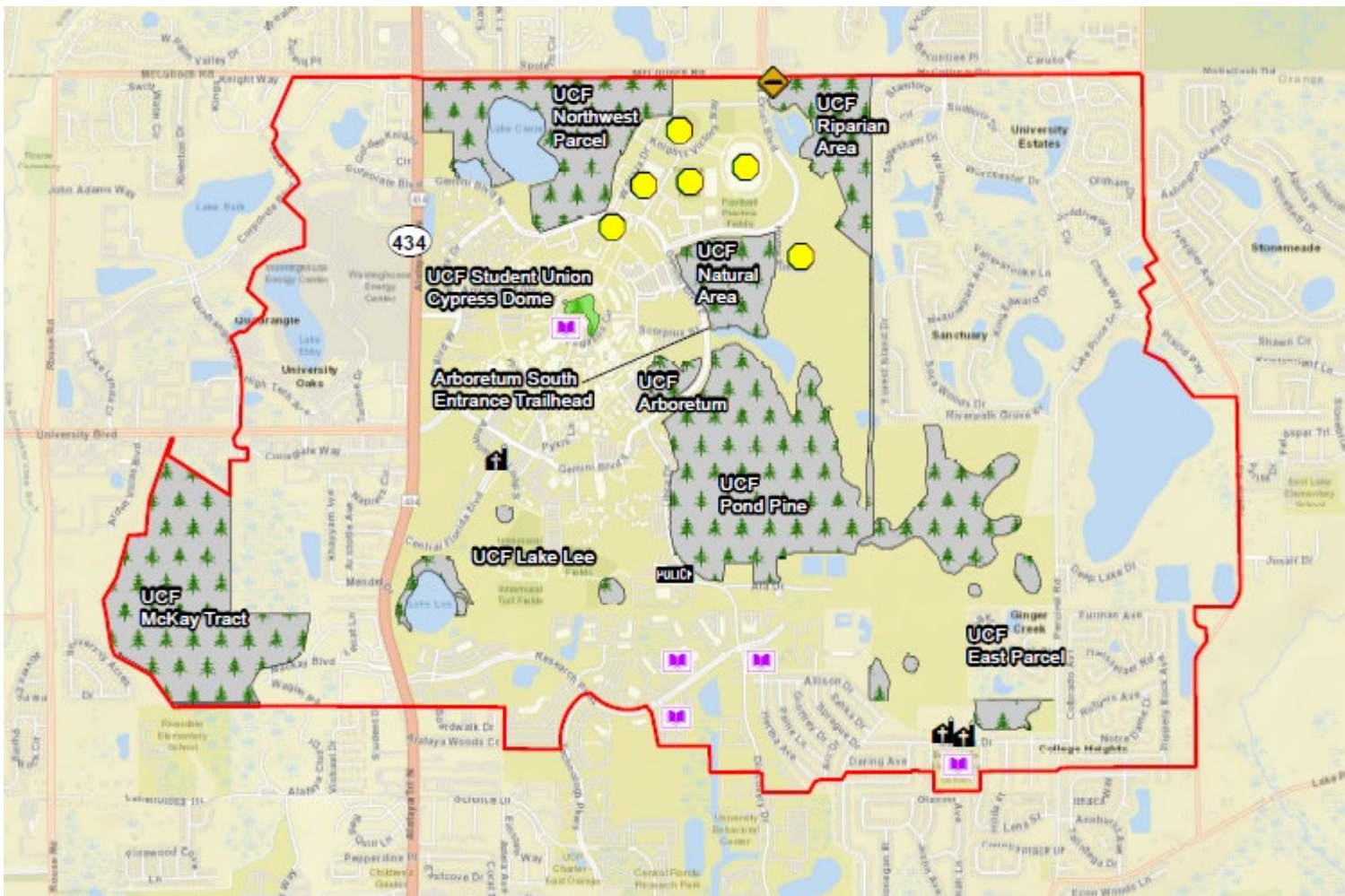
- Civic Centers -6
- Police/Fire – 3
- Health Care/Hospital – 8
- Religious Center – 5
- Schools – 17
- Veterans Facilities – 3
- Parks/Natural Lands – 25

Utility Agency/Owned Lands

- 70

Conservation/Public Lands

- 127





Environmental Analysis – Natural and Physical Resources

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

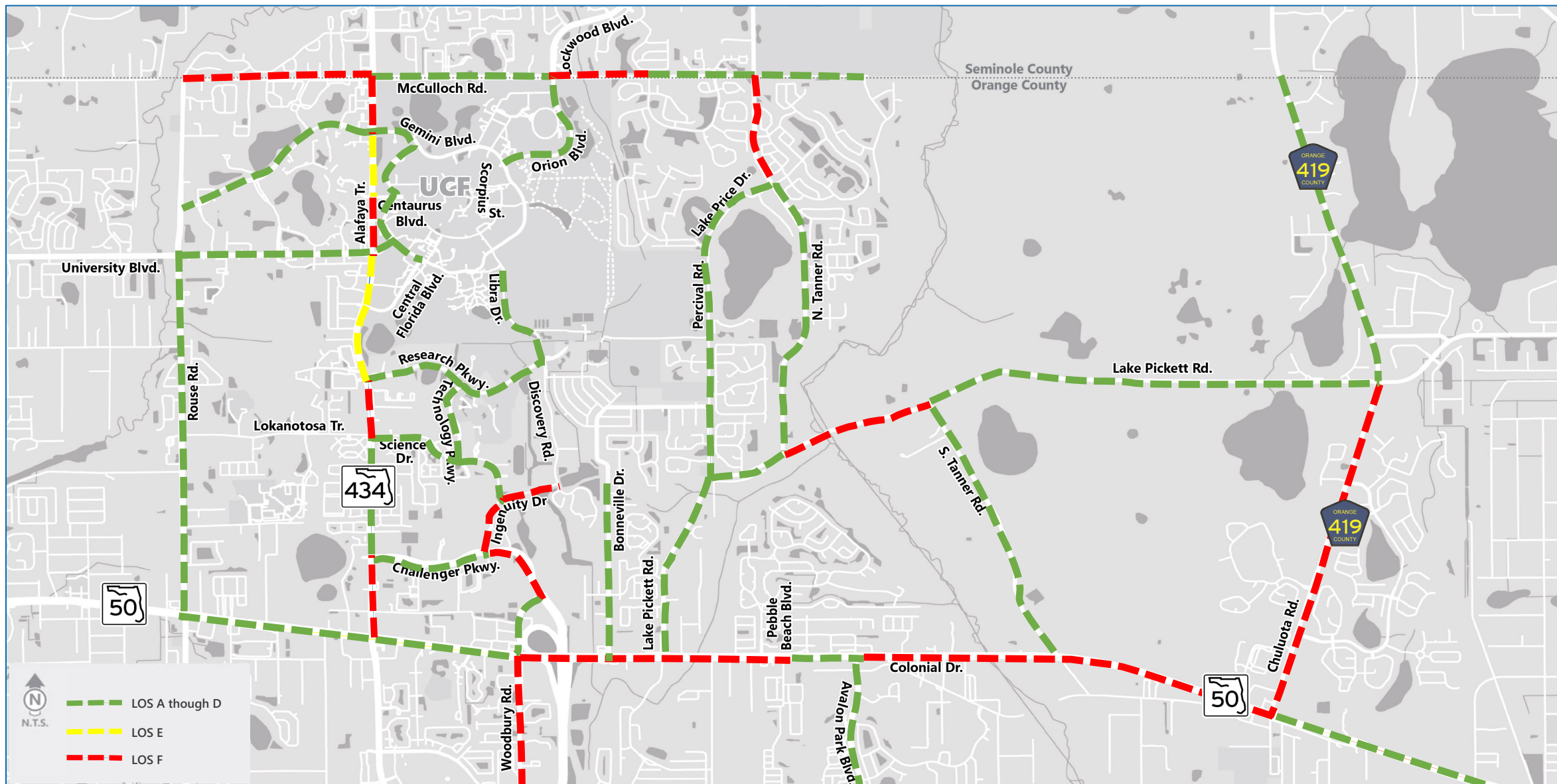
Contamination

- 518 (potential for/known)



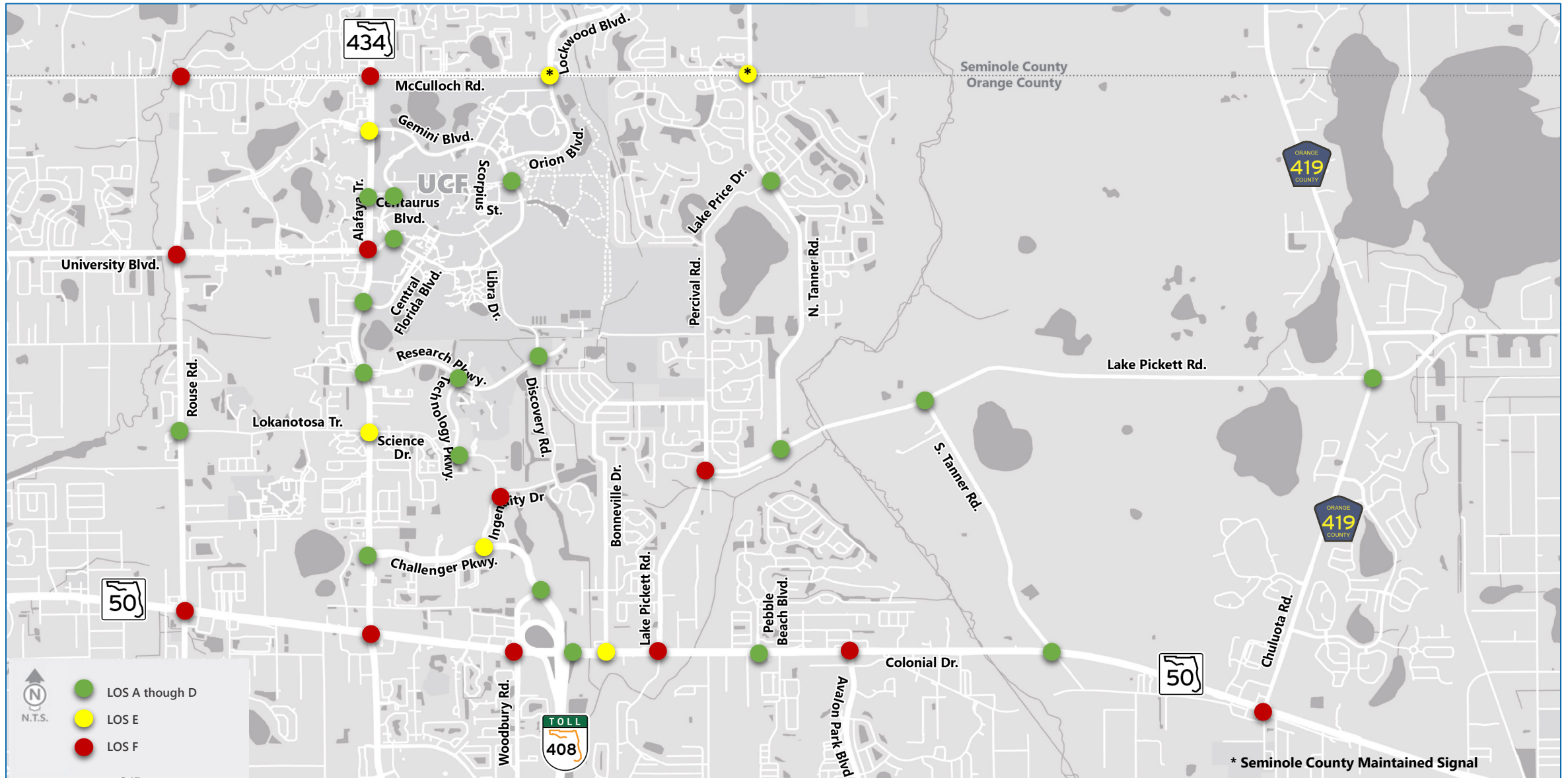


Existing Traffic Conditions - Segments



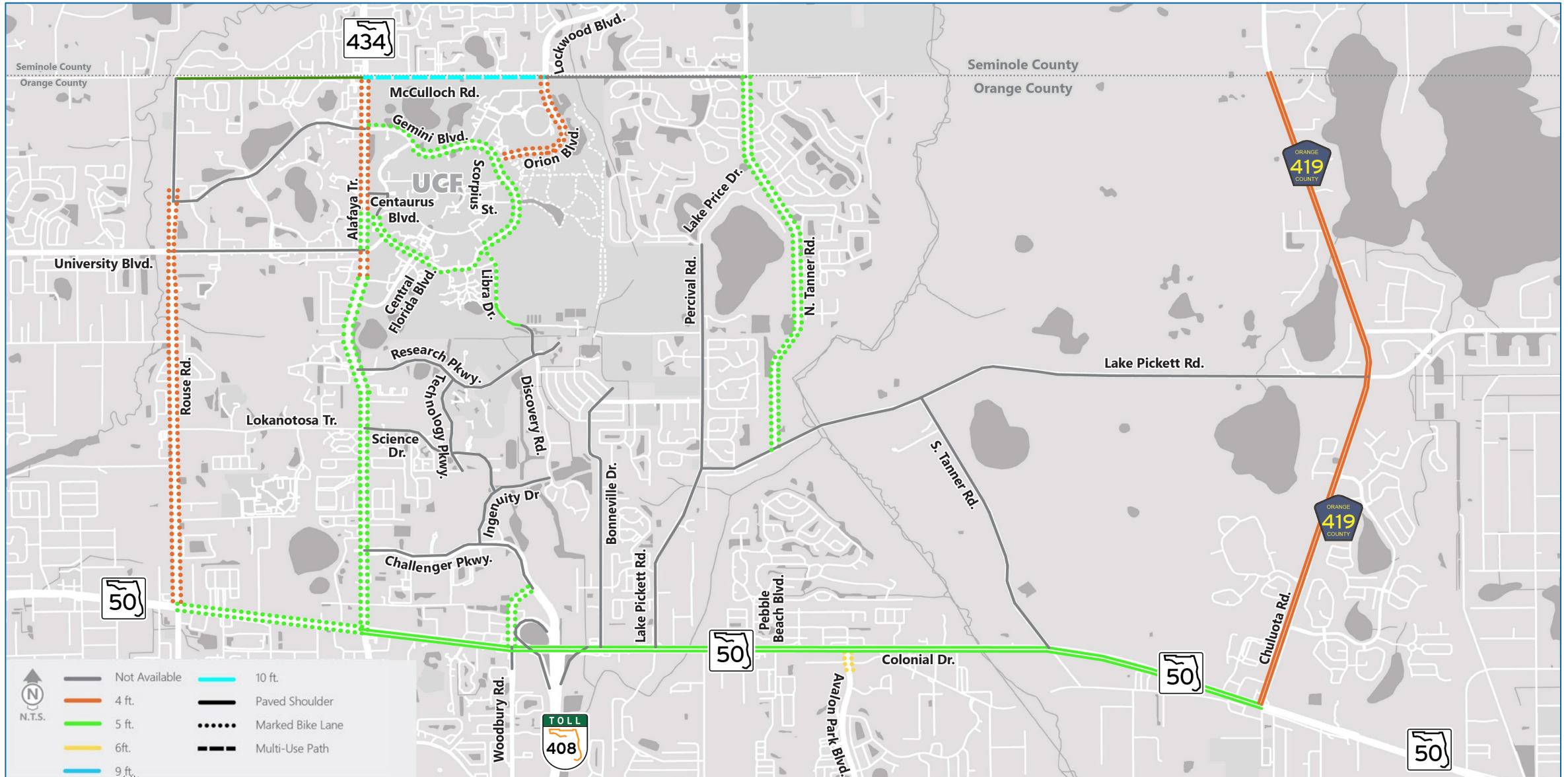


Existing Traffic Conditions – Intersections



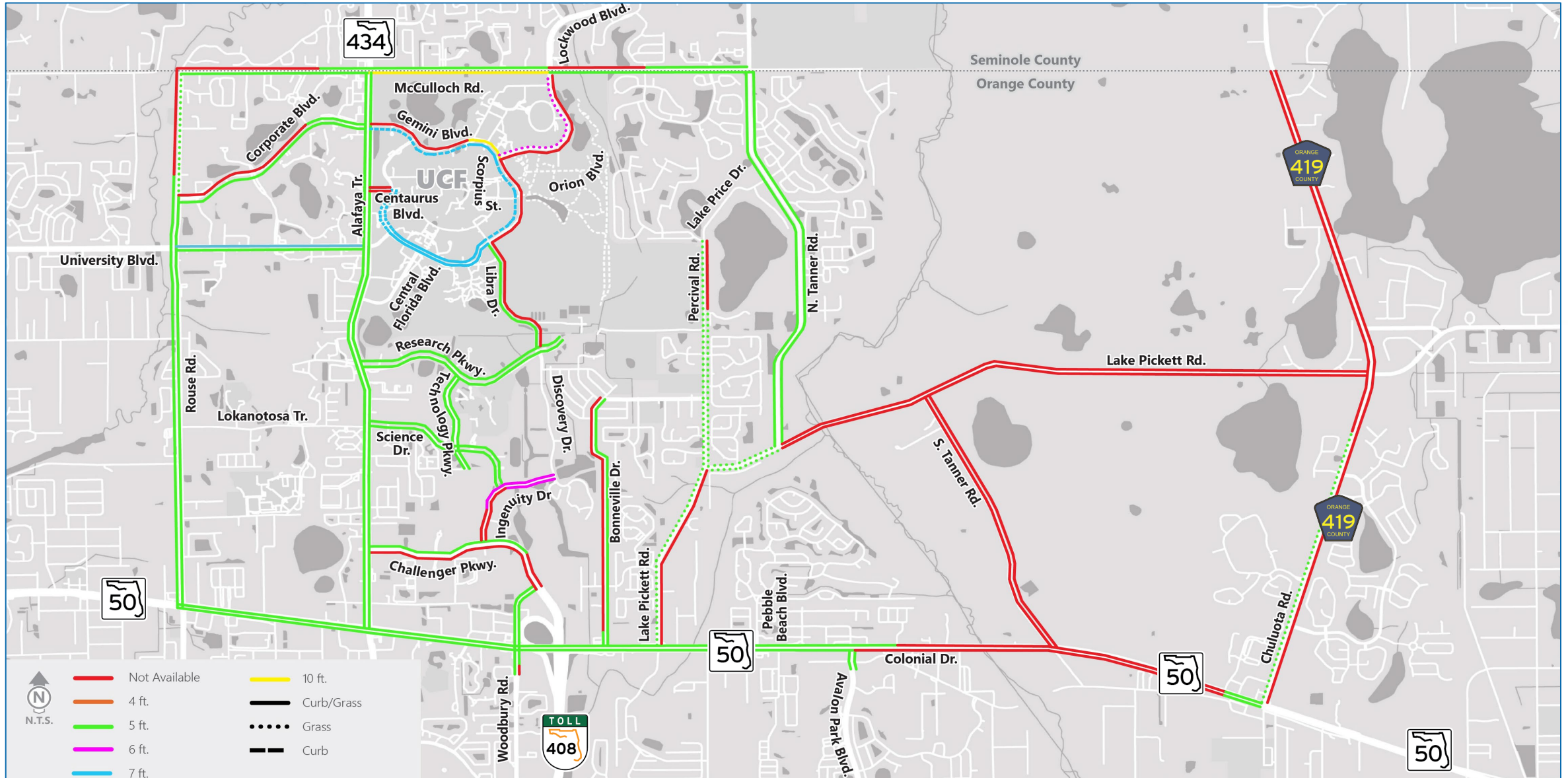


Existing Bicycle Facilities



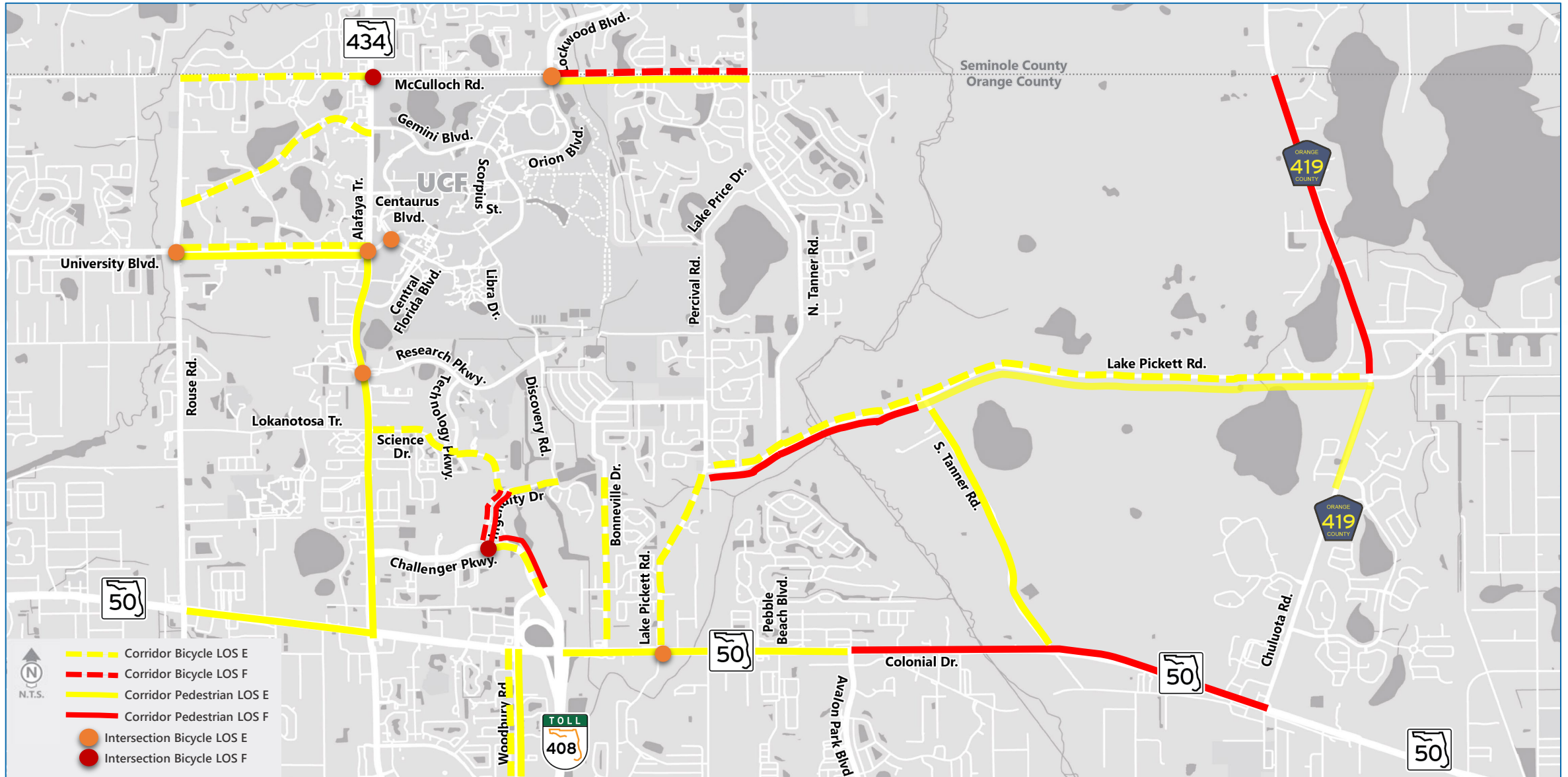


Existing Pedestrian Facilities





Existing Multimodal Analysis





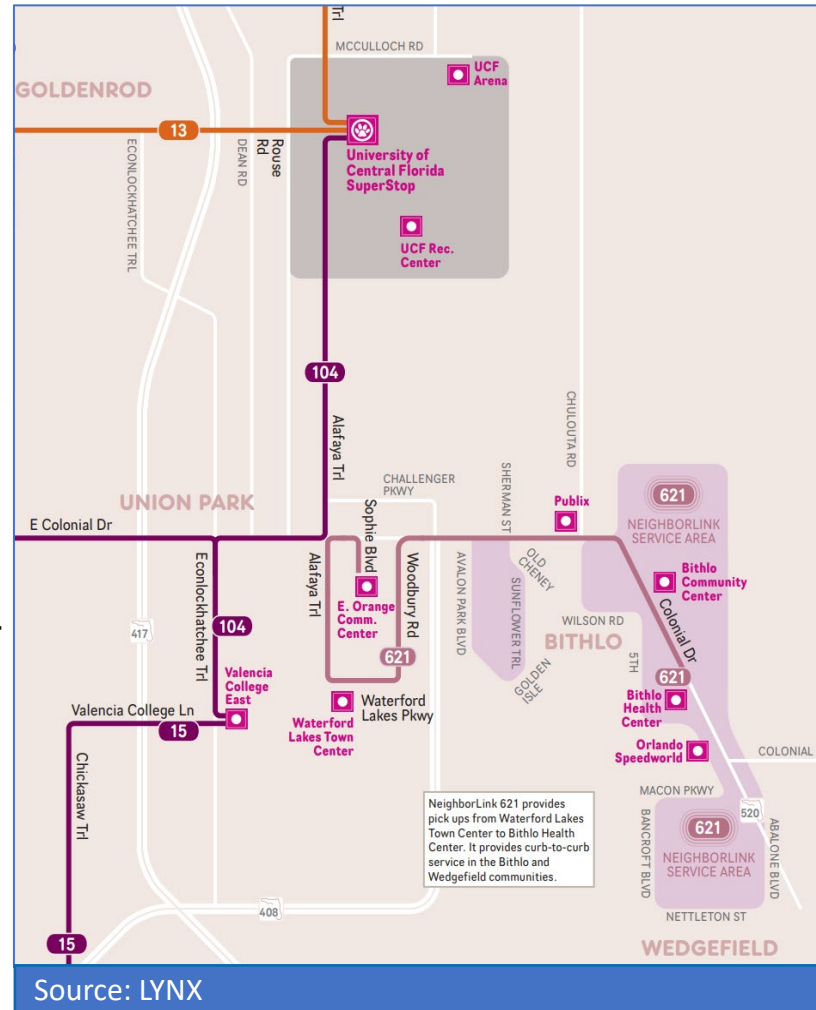
Existing Transit

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

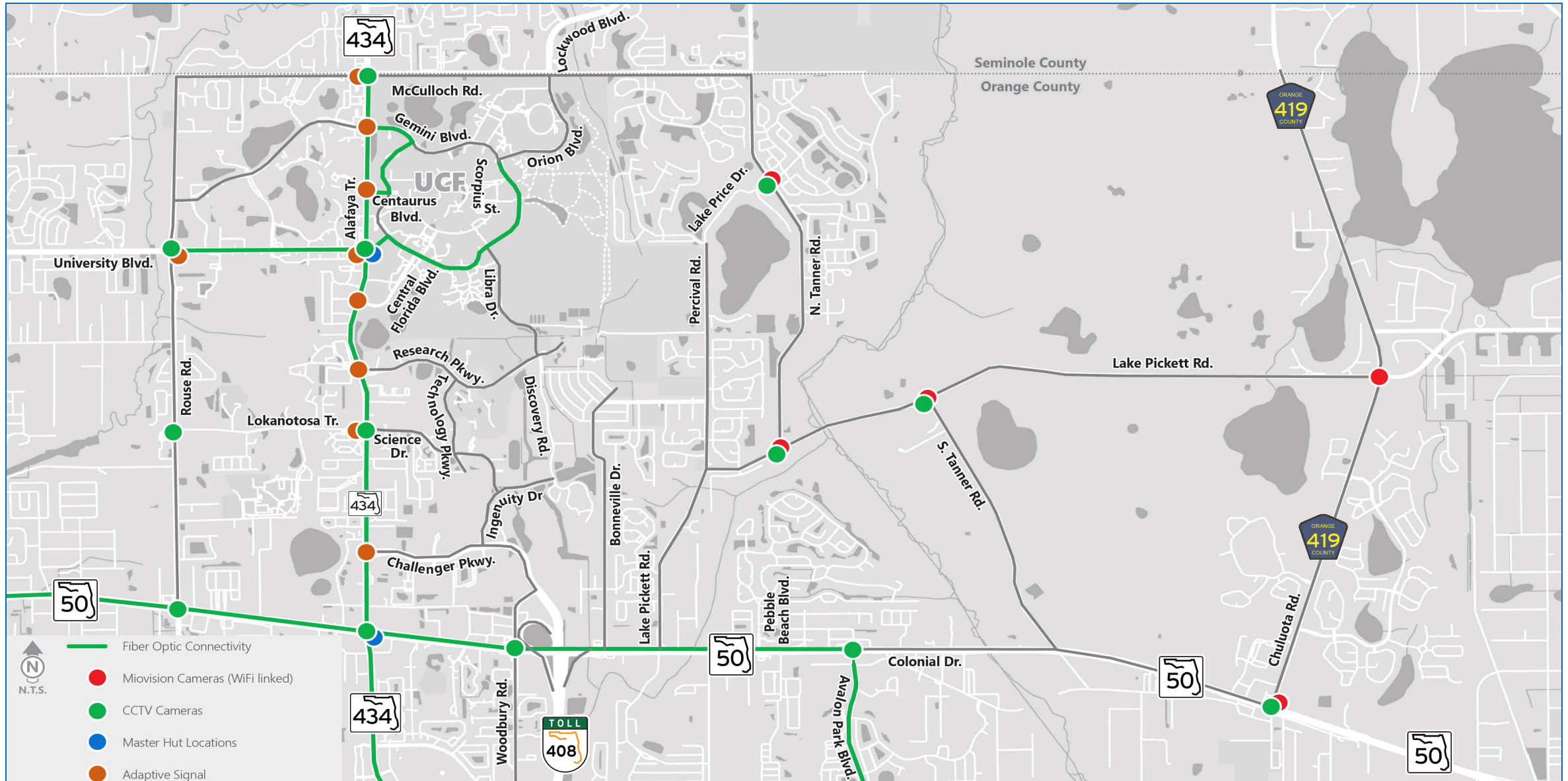
- On-campus (Pegasus Express)
- Off-campus
- Grocery shuttle
- Gameday







Existing ITS Features





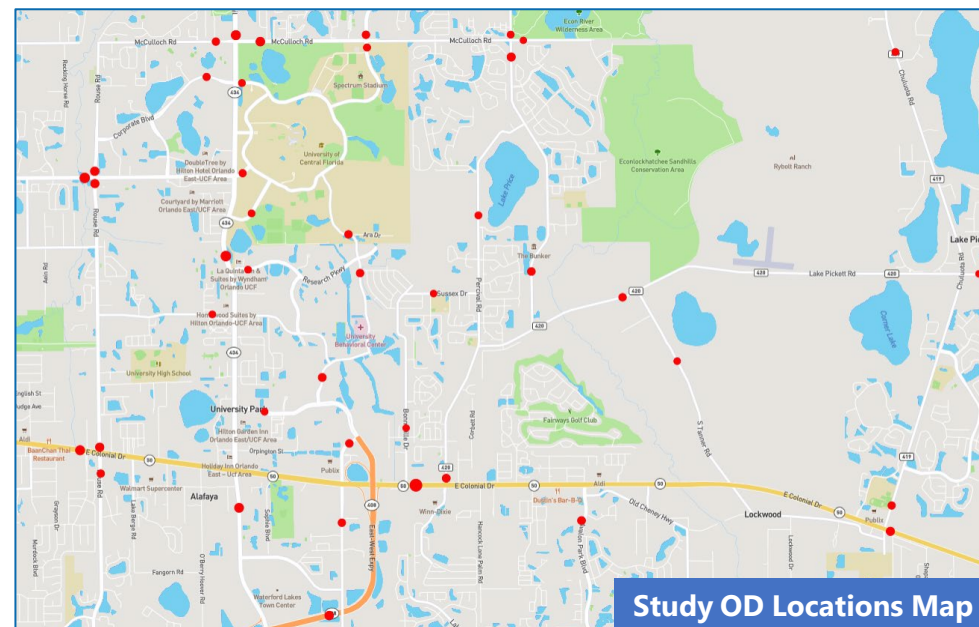
Origin-Destination (OD) Study

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

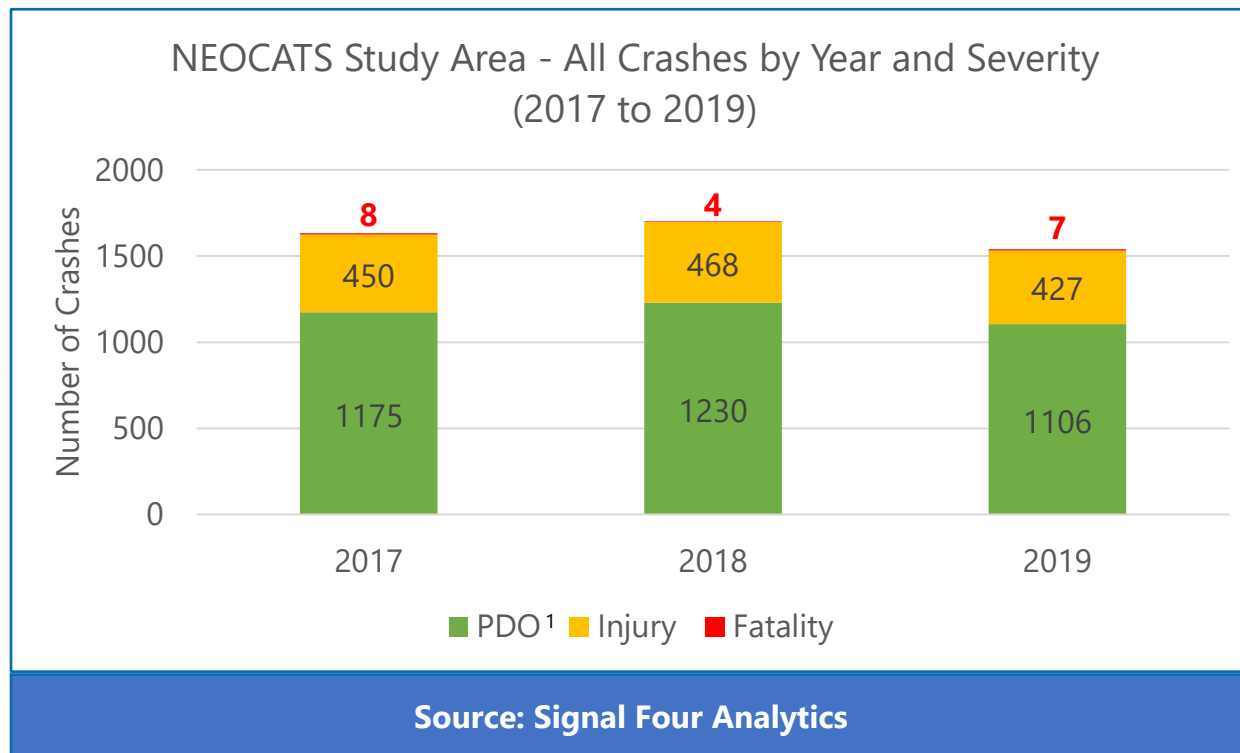




Historical Crash Analysis

Signal Four Analytics (2017-2019)

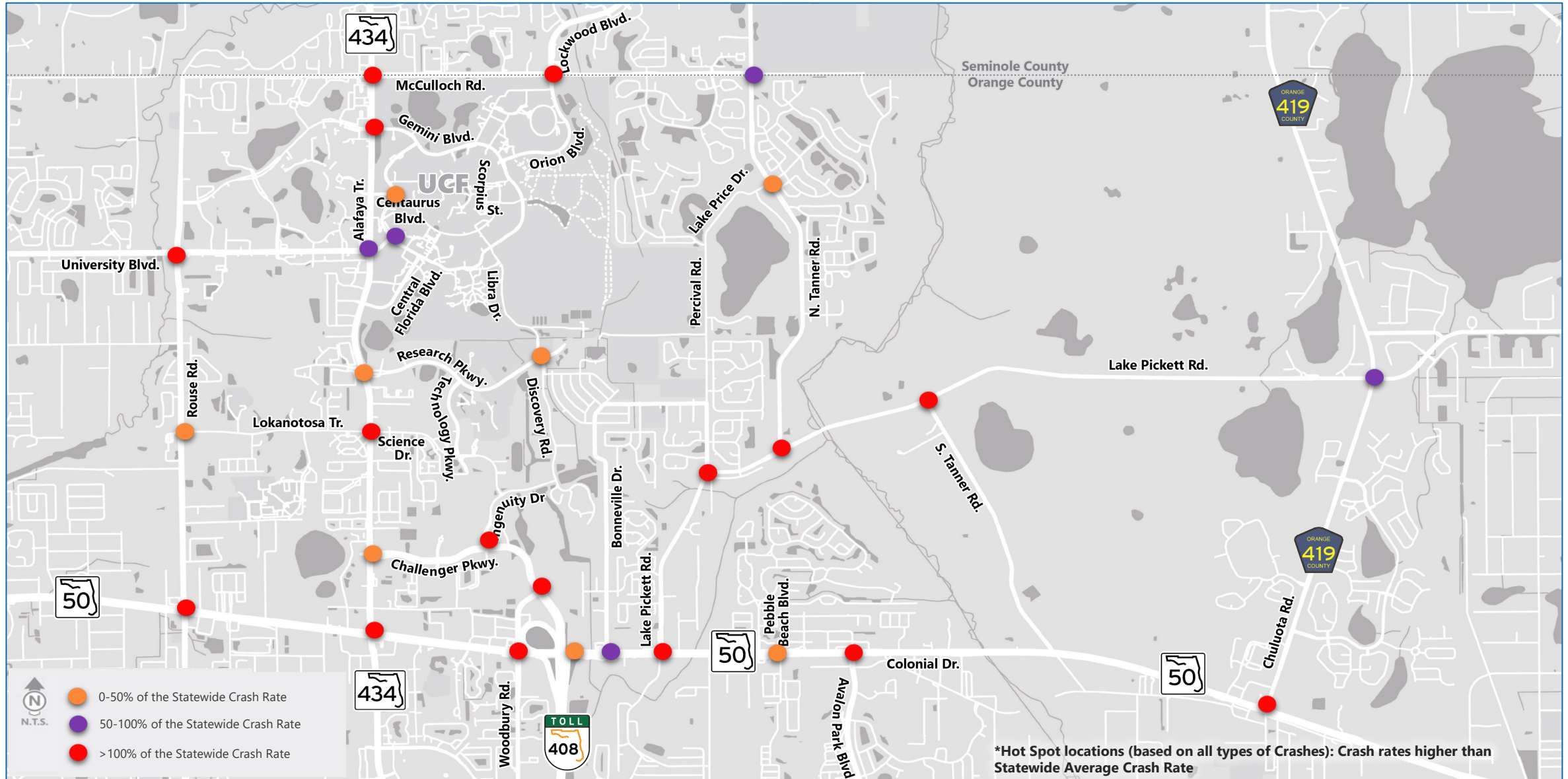
- Totals (roadway + intersections)
 - 4,875
 - 19 fatalities
 - 1,345 injury crashes
 - 3,511 property damage
 - Major types – Rear-end, Angle & Sideswipe
- Intersections
 - 2,728 (56% of total)
- Mid-segments
 - 2,147 (44% of total)



1. PDO - Property Damage Only

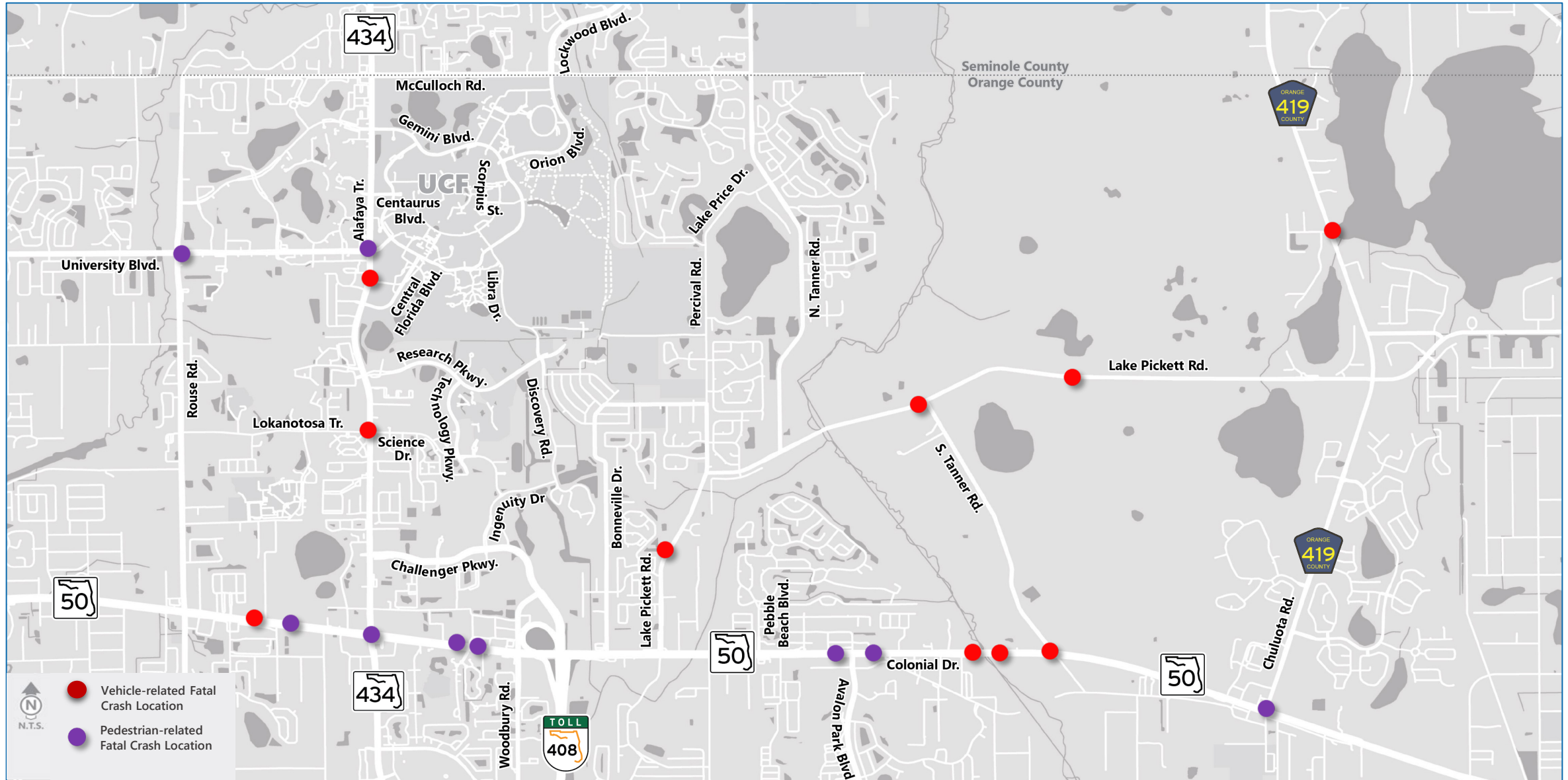


Hot Spot Locations (2017-2019)





Fatal Crash Locations (2017-2019)

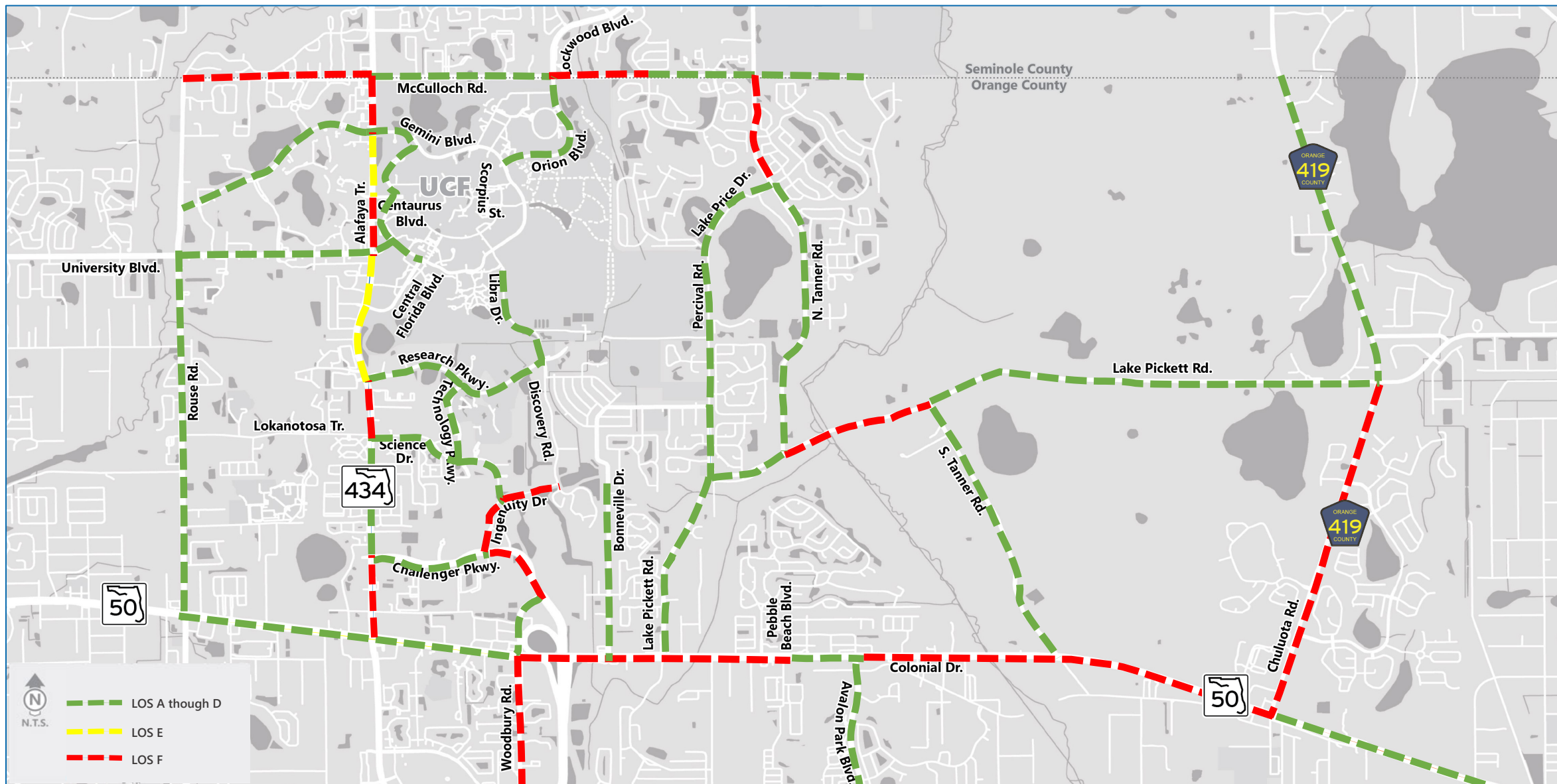






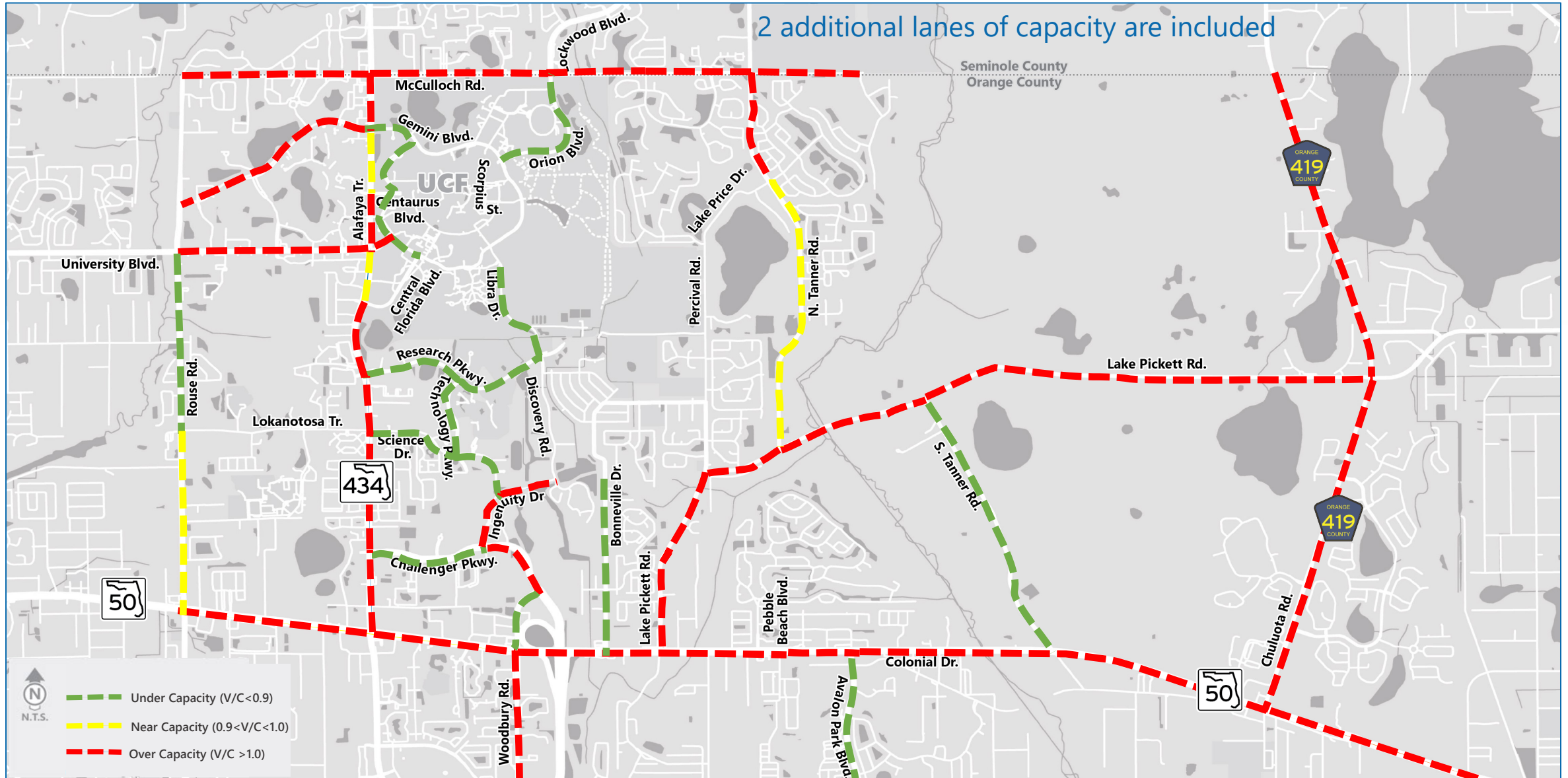


Existing Traffic Conditions - Segments



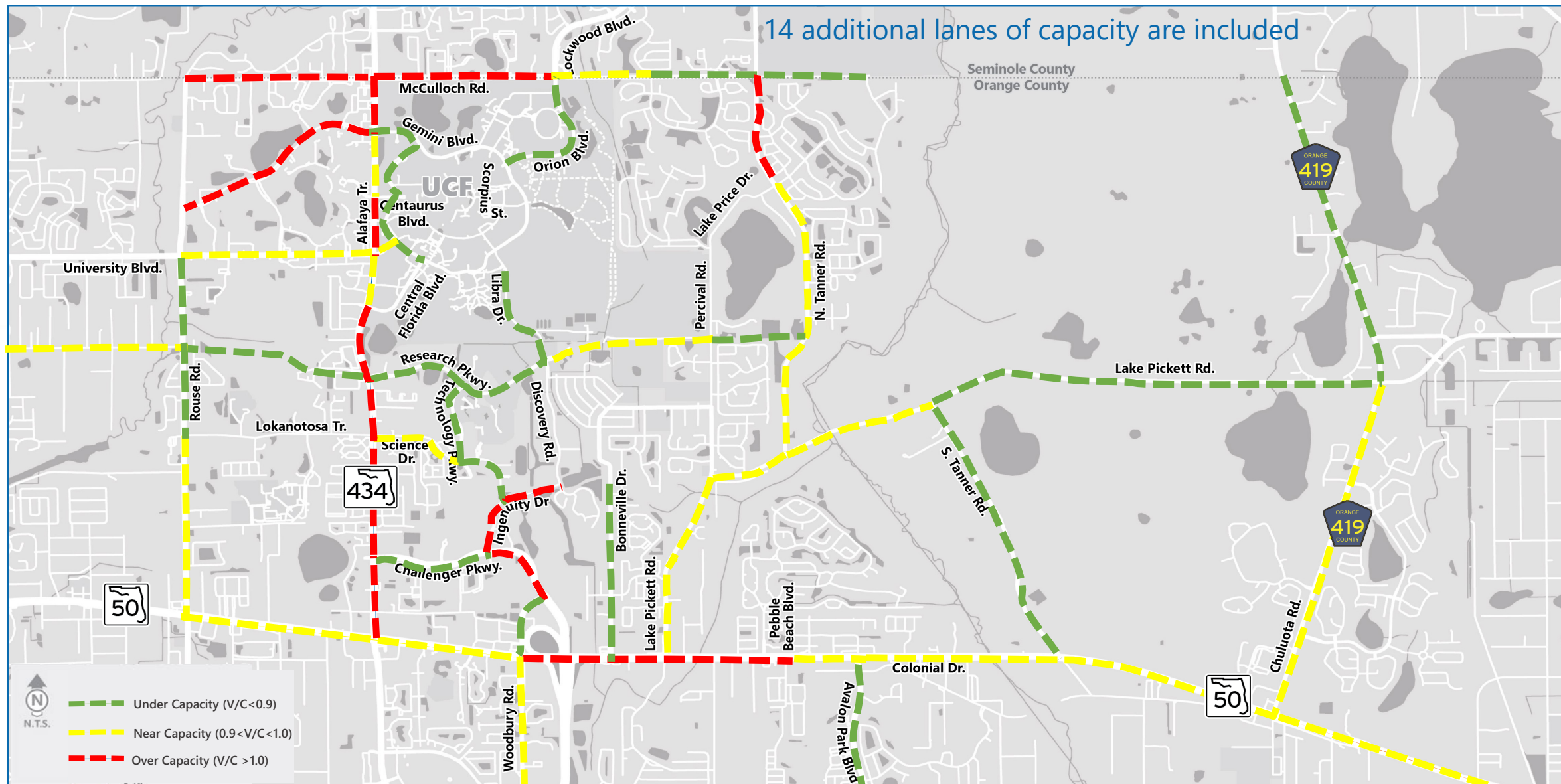


2045 No Build Traffic Conditions - Segments





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

Short-term

- Signal Retiming
- Safety Improvements
- New Signals
- Lighting Upgrades
- Low-cost multimodal improvements
- Turn lane extensions

Mid-term

- Multimodal Improvements / Complete Streets
- Capacity Improvements
- Access Management
- ITS

Long-term

- Innovative Intersections
- Bus Rapid Transit
- New Roadways
- Transportation Demand Management
- AV/CV Scenarios



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





Hatem A. Abou-Senna, PhD., P.E.

Project Manager

Orange County Transportation Planning Division

4200 S. John Young Pkwy.

Orlando, FL. 32839

(407) 836-8023

Babuji Ambikapathy, AICP, P.E.

Consultant Project Manager

225 E. Robinson Street, Suite 300

Landmark Center Two

Orlando, FL 32801-4326

(407) 230-2762



www.neocatstudy.com



@OrangeCoFL




Orange County, Florida Government



NEOCATS – Website/Feedback



www.neocatstudy.com



[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](#)

Contacts

Hatem A. Abou-Senna, PhD, P.E.
Project Manager
Orange County Transportation Planning Division

4200 S. John Young Pkwy.
Orlando, FL 32839

(407) 836-8023

[@hatem.abou-senna@ocfl.net](mailto:hatem.abou-senna@ocfl.net)

Consultant Team

Babuji Ambikapathy, AICP, P.E.
Consultant Project Manager

225 E. Robinson Street, Suite 300
Landmark Center Two
Orlando, FL 32801-4326

(407) 230-2762

[@bambikapathy@vhb.com](mailto:bambikapathy@vhb.com)

Social Media

[f](#) Orange County, Florida Government

[t](#) @OrangeCoFL

© 2021

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.**

NEOCATS Community Meeting #1

Question and Answer (Q&A) Forum

Below is a summary of the comments, questions, and responses discussed during the Q&A forum.

[GoToWebinar Entries](#)

Q: Why can't UCF buses travel east of UCF? This could eliminate a lot of traffic. The UCF students are taking over a lot of our subdivisions.

A: The UCF shuttles generally serve the campus and areas around campus. This can be one of the options or improvements that come out of this study. The project team will coordinate with LYNX as well as UCF, regarding the feasibility of shuttles extending to the east.

Q: The Research Pkwy red line shows the line ending at the North or South area of North Tanner?

A: North Tanner Road.

Q: I am late. What I am curious about is what OC plans to do about east-west transit on the east side of the city.

A: As presented, the study identified the corridors with transit and the ridership on those transit routes (frequency of one hour vs. frequency of half hour). One of the goals of the study is to improve the headway or the frequency of buses, especially in the east-west direction and on several roadways. The project team will coordinate with LYNX and UCF to improve ridership and make it more convenient and reliable for residents.

Q: Sorry, I came in late. Will there be a video I can log in to see this presentation in the future?

A: Yes. This webinar is recorded and will be available on the project website (www.neocatstudy.com) by November 4th, 2021

Q: Cannot hear Commissioner Cordero.

A: The sound will be corrected on the video recording posted on the project website (www.neocatstudy.com) by November 4th, 2021.

Q: What is the plan to protect the wildlife and green areas in the midst of population growth?

A: This study includes a high level analysis of wildlife impacts. Project recommendations from this study will include project specific studies that will include a more detailed analysis of potential wildlife impacts and mitigation measures such as the potential for the installation of wildlife crossings and advisory signs and devices where warranted.

Q: Also, we want to know if there are any eminent domain processes foreseen, particularly in light of SR 408 expansion?

A: Project recommendations from this study may include projects that will require additional right-of-way to construct. As such, the production processes of those projects will include right-of-way acquisitions and potentially the need to acquire necessary property through eminent domain.

Q: Is it possible to reduce the amount of new housing developments to reduce traffic?

A: Prior to 2010, the local governments had the ability to prohibit further development if the transportation system was not able to accommodate additional development. Since then there have been two actions from the Florida legislature that have basically prohibited local governments from linking transportation to land use, Senate Bill 360 and House Bill 4207. So the answer to that is no, because of the legislative position and policies and not because Orange County is not cognizant of the issue between land use and transportation.

Q: Are citizens going to participate in the Environmental Impact analysis, specifically, notified of outcomes and potential options to protect wildlife and keep green areas?

A: Citizen and community input is crucial to this study. Your feedback and input will be considered in every step of the process. Reports will be available on the project website, which anyone can download, review and offer comments. The comments received on the website (www.neocatstudy.com) will also be taken into consideration when improvements are being developed and analyzed.

Q: Is there potential for eminent domain actions on part of the County's government?

A: Orange County like any other government, does have eminent domain powers for any property needed for a public purpose.

Q: How much money does it cost to prevent road widening as you shared for Rouse Road?

A: The purpose of this study is to develop a list of potential capacity and operational projects that will increase the mobility options and quality of transportation in the study area. The recommendations from this study will be presented to the Orange County Board of County Commissioners (BCC) for approval consideration based on the study's technical documentation and public testimony. The BCC may approve the recommendations in full, in part or not at all.

Q: The intent of the eminent domain question is to know what areas are going to be impacted if the info is available yet.

A: Project recommendations from this study may include projects that will require additional right-of-way to construct. As such, the production processes of those projects will include right-of-way acquisitions and potentially the need to acquire necessary property through eminent domain.

Q: Can we download this presentation?

A: The recorded video presentation will be available on the project website (www.neocatstudy.com) by November 4th, 2021, and the responses to questions will be available by November 11th, 2021.

Q: Are there any eminent domain actions occurring at Avalon Park Blvd and E Colonial? Any info on that?

A: Project recommendations from this study may include projects that will require additional right-of-way to construct. As such, the production processes of those projects will include right-of-way acquisitions and potentially the need to acquire necessary property through eminent domain.

Q: Are the modeling and simulation tools used to support this effort verified, validated, and accredited for this purpose? Can you provide examples of where these tools have been used to address similar challenges successfully?

A: As presented, the project team is using a travel demand model to predict future demand on the travel roadway. The model uses two main inputs - roadway geometry and the socio-economic data (or the demand). The socio-economic data includes information such as number of households, number of vehicles per household, number of persons per household, and the employment in the area (service, office and industrial, etc.). Based on that information, the model generates the traffic on the roadway network. The project team will compare what the model is showing to what is actually happening in the field (model validation) to ensure the model replicates the amount of traffic on the roadway network in the real world. Once the model is validated to the real world, the project team will propose and analyze any future scenario.

The platform named FSUTMS, Florida Standard Urban Transportation Model Structure, is an FDOT model that everyone has been using for the past 35 years. The project team is using the latest update CFRPM, Central Florida Regional Planning Model (version 7), which was recently published. It includes nine counties. Because the model covers such a large area, the project team developed a sub-area model for this specific area, the North East Orange County Areawide Transportation (NEOCATS) model. As part of this sub-area model, the project team collected data on trip origins and destinations to determine the distribution of traffic on the roadway network and replicate exactly what's happening in the real world. For more information, go online at <https://www.fsutmsonline.net>, or the project team can provide more detailed information upon request.

Q: How will the improvements be paid for?

A: There are some projects that are programmed and identified in MetroPlan Orlando Transportation Improvement Program, Orange County Capital Improvement Program and FDOT Work Program and they include funding in the next five years. There are some planned improvements identified in our Long-Range Transportation Plan for which funding has not yet been allocated. The County will prioritize those projects and allocate funding accordingly. Other projects can be funded from roadway agreements with the developers.

Q: Was rising sea level accounted for in the equation? What is the probability of funding diversion to protect our coastline?

A: There are numerous studies that have been completed, and there are quite a few variables regarding the effects of climate change and sea level rise. Orange County, on the eastern borders, is about 5 - 15 feet above sea level. Some of the estimates mentioned about 30 centimeters of rise by 2050 which would not create inundation in Orange County. So it is mostly a coastal tributary issue, based on studies and data available today.

Q: Thank you so much :)

A: Comment noted.

Q: Is Orange County negotiating a roadway agreement with The GROW project owners? Seems as if there is a lack of funds for the improvements, if so why are we not taking action with the developer to get the improvements done between S. Tanner and 419? The project has been approved, let the builders build us the road.

A: In regards to The GROW, the County had an existing agreement that was approved by the Board of County Commissioners some time ago, where the landowners of The GROW would contribute towards the cost of improvements in the Lake Pickett Area. Moving forward, some of those funds will be utilized for improvements on facilities such as Chuluota Road and McCulloch Road (These are two examples where the some of those revenues will be utilized). The payments are going to be made over the course of several years. The County has already received two payments.

Q: Thoughts on expansion of SR 50 from Lake Pickett to Avalon?

A: SR 50 is currently a 6-lane roadway between Lake Pickett Road and Avalon Park Blvd. There are no plans to widen SR 50 within this segment. An expansion to SR 50 is already funded for widening from four lanes to six lanes from Avalon Park Blvd to SR 520.

Q: Does your multi-modal approach include options like light rail for heavily-traveled roads?

A: As part of the presentation, the project team discussed short-term, mid-term and long-term improvements. Bus Rapid Transit is an option that could be analyzed as a long-term improvement; especially related to heavy traffic roads. Unfortunately, Light Rail option will not be analyzed in this study. The County has a policy to limit roadway widening projects and keep roadways to 6 lanes or less. As a result, the project team will look into options like identifying new roadways, Bus Rapid Transit, increasing frequency on existing bus routes, and adding new routes to relieve traffic congestion.

Q: Are bus-only lanes a viable option for this study?

A: The project team will perform future conditions analysis and determine the viability of a bus only lane by considering the factors like the amount of traffic, bus frequencies and reliability of service.

Q: Extending McCulloch Rd east to 419 would alleviate a lot of the traffic on N. Tanner and Lake Pickett.

A: The Comment is noted and project team will consider this improvement as needed.

Q: Is S. Tanner Road being considered?

A: Yes, S Tanner Road is included in the study area.

Q: N. Tanner Road is at capacity. I invite to spend time watching the traffic on a daily basis. I live here and witness it daily.

A: N Tanner Road is one of the roadways included in the modeling effort. There are few other north-south roadways that could provide relief to N Tanner Road, so it may not need widening. However, the project team will look at intersection improvements, other transit improvements, etc. that can help to relieve traffic on N. Tanner Road.

Q: We can not see slides.

A: Hi Jim. If you still cannot see the slides, please make sure that the Go To Webinar window is not covered by other windows.

Q: We see them now, my mistake.

A: Comment noted.

Q: Question - Why was North Rouse Rd (north of University) not included in the study? It was not marked in any of the slides.

North Rouse Road between University and McCulloch.

A: The County conducted a study several years ago on Rouse Road, which includes the portion north of University Boulevard. The study was presented to the Board of County Commissioners. Based on the input received from the community in that area, Rouse Road will not be widened to four lanes, as recommended in that study. That certainly does not preclude any other non widening improvements, which may include sidewalks, multimodal improvements, signal retiming, etc. In terms of widening, the Board made a decision, based on community input, that the section of Rouse Road will not be widened to four lanes.

Q: Sorry if I missed it - what is ITS?

A: ITS refers to Intelligent Transportation Systems. It is a combination of information and communication technologies used in transportation and traffic management systems to improve the safety, efficiency, and sustainability of transportation networks, to reduce traffic congestion and to enhance drivers' experiences.

Q: When did you collect your data? Do you think it was affected by the decreased mobility of folks during the pandemic?

A: The project team collected traffic data during April/May 2021. The project Team developed a methodology to adjust the traffic counts due to COVID 19. As per the methodology, the project team compared the collected traffic against 2019 traffic data and determined an adjustment factor to adjust the traffic accordingly.

Q: Are you folks aware that the recent resurfacing of North Tanner Road, that was just completed? It already has several large potholes near McCulloch Road

A: The comment is noted and the issue will be informed to the respective County Department.

Q: The proposed (unfunded) McCulloch east and west connection (Countyline road) will have tremendous impact to surrounding neighborhoods where this will become a common road to get to Dean Road, and Dean Road to Alafaya. Has there been any research on where traffic outside the study area will increase traffic to the proposed roadways? Example: How many people take Dean to University to get to Alafaya and vice versa.

Additional, what environmental impact does this have on creating a connection point (bridge) over the Little Econ River? What is Seminole County's take on this?

A: In response to the first part of this question, the project team collected origin-destination data to understand the traffic patterns: where traffic originated and ended, what routes are being used, and

whether those routes are over capacity. The project team will use this data to find out whether a new roadway can relieve the existing congested roadways or not, as well as the number of lanes needed.

In response to the second half of this question, this is a planning study and environmental impacts will be identified, but not in detail. A detailed environmental analysis to determine the feasibility of the improvement will be conducted for the preferred alternatives (or options).

Q: Although Old Lockwood is in Seminole County traffic is pouring on to McCulloch and subdivisions are increasing; not to mention the huge Legacy Pointe going in. How is that traffic flow in the puzzle?

I did not see it on your map. Thanks.

A: Understanding traffic patterns and how to ameliorate traffic conditions is the precise scope and purpose of this study. An important component to this study is the public feedback on issues that the county may not be aware of. Additionally, the County is currently conducting a RCA study on McCulloch Road from Lockwood Boulevard to Old Lockwood Road to determine the most appropriate configuration for widening the road. Design, right-of-way acquisition and construction will proceed as funding becomes available.

Q: Are there opportunities to accelerate the timeline for Planned Improvement projects?

A: There are two terms for improvement projects - programmed and planned. Programmed projects will happen within the next five years as funding is allocated for them. The planned improvements, identified in the long-range transportation plan, could occur within the next 20 to 25 years. It signifies that the need has been identified, but the county is still identifying ways to fund these projects. If/when funding is available, planned projects will be moved to the programmed improvement projects.

Q: When will you have your next webinar info meeting?

A: The next Community Meeting is expected to take place in February 2022, after analysis of the future conditions and the different alternatives (No Build and Build alternatives). In that meeting, the project team will present the analysis of the No Build and Build alternatives along with Short, Mid and Long term improvements.

Q: Deborah Schafer the Executive Assistant for, Commissioner Jay Zembower Seminole County District 2 is on the call.

A: Deborah Shaffer, executive assistant for the Seminole County Commissioner, Jay Zembower in Seminole County District 2, was recognized by the panel.

Q: Recording available Nov 4th or 11th?

A: The recorded video presentation will be available on the project website (www.neocatstudy.com) by November 4th, 2021, and the responses to questions will be available by November 11th, 2021.

Q: Thanks!

A: Comment noted.

Q: Is tolling off the table? Previously FTE and OCEA studied reliever projects for SR 50 but nothing has been solidified. Is it a dead option?

A: Many tolling options are within the purview of the Central Florida Expressway Authority (CFX) and Florida's Turnpike Enterprise (FTE). The study conducted by FTE and CFX to relieve SR 50 has been suspended and the FDOT is just proceeding with the six laning of SR 50 from Avalon Park Blvd to SR 520. The CFX is looking at an alternative alignment south of SR 50 - but the project is on hold and has not made any progress. The County is not aware of any tolling scenarios in the near future or even in the distant future. But those decisions are really going to be outside the purview of Orange County, because any tolling facility would be under the purview of the Central Florida Expressway Authority (CFX) and Florida's Turnpike Enterprise (FTE). To restate, there are no current plans to have a tolling facility in East Orange County.

Q: Can you discuss the new road from Research Park to the east?

A: The new East-West Roadway has following segments - from SR 436 to Goldenrod Road (currently in the right-of-way acquisition phase) and from Goldenrod Road to Dean Road (design phase is completed). The next segment is from Dean Road to Rouse Road, Rouse Road to Alafaya Trail, Research Pkwy and the last segment extended from the Research Parkway to North Tanner Road. This alignment is already identified. The feasibility of this alignment to the east will be evaluated in the future conditions analysis.

[Website Entries](#)

Q: It appears like this is the same info gathering that was done for the failed 408 east west extension? Why keep doing studies and projects if it doesn't go anywhere? Why keep approving apartment buildings along 50 while we already suffer from heavy traffic?

A: Prior to 2010, the local governments had the ability to prohibit further development if the transportation system was not able to accommodate additional development. Since then there have been two actions from the Florida legislature that have basically prohibited local governments from linking transportation to land use, Senate Bill 360 and House Bill 4207. So the answer to that is no, because of the legislative position and not because Orange County is not cognizant of the issue between land use and transportation.

This study will identify potential relief to constrained corridors and develop short, mid and long term improvements. Based on the priorities that would be developed as part of this study and available funds, the County will move forward with improvements.

Q: We need to know what the master plan is that is driving this study for future growth of this area. This study isn't telling residents what is being built in the future around this area to understand the future traffic issues. It's already a busy area with many accidents at the intersection of SR 50 and CR 419 and if more developers are building then we certainly need to know this.

A: The current major developments in the study area include High Point of Orlando, Waterford Lakes, UCF, Central Florida Research Park, and Quadrangle. The recent development that was approved by Orange County include The GROW. Also, the development named Sustanee is currently being reviewed by Orange County and no decision has been made on it at this point.

Q: I am concerned about the future of this part of Orange County.

A: This study will identify potential relief to constrained corridors and develop short, mid and long term improvements. Based on the priorities that would be developed as part of this study and available funds, the County will move forward with improvements.

Q: Please protect our delicate ecosystems in this area. Nature needs our protection.

A: Comment noted. This study includes a high-level analysis of wildlife impacts. Project recommendations from this study will include project specific studies that will include a more detailed analysis of potential wildlife impacts and mitigation measures such as the potential for the installation of wildlife crossings and advisory signs and devices where warranted.

Q: Mr. Campbell is in support of extending McCulloch Road east to CR 419. He has a property and wanted to know whether our study will make that recommendation.

A: We are only presenting the existing conditions at community meeting # 1. Mr. Campbell was asked to provide this and additional comments at the meeting or via the website comment form.

Q: As a resident of the NE area of Orange County since 1993 I'm shocked and appalled at the total lack of planning which has gone into the rapid residential development. How shortsighted to put so many people in a region that has literally zero existing infrastructure to support the incredible traffic mess that has been created. Who do we hold accountable for this? I'll be on the webinar on Nov 1.

A: Comment noted.

Q: A traffic light is needed at the Corporate/Data Ct intersection. Especially with the 750-unit student housing project starting in April 2023.

A: The comment is noted. This intersection is not part of the current study.

Q: Stop approving land rezoning and it will greatly diminish the need for expanded capacity.

A: Prior to 2010, the local governments had the ability to prohibit further development if the transportation system was not able to accommodate additional development. Since then, there have been two actions from the Florida legislature that have basically prohibited local governments from linking transportation to land use, Senate Bill 360 and House Bill 4207.

Q: Unfortunately, I had to cancel attending yesterday's meeting. I may have technical difficulties viewing online. Will you be sharing updates from the meeting - and where can I obtain it? I will try to resolve some of these unexpected technical issues - software and hardware related. Thanks.

A: The recorded video presentation will be available on the project website (www.neocatstudy.com) by November 4th, 2021, and the responses to questions and answers on November 11th, 2021.

Q: The meeting was very informative. Please make sure that we are copied on all future meetings, presentations, etc. in reference to the NEOCATS.

A: Comment noted.

Q: Mr. Krause asked whether Lake Pickett Road would be widened and what would be the time frame.

A: We will be performing the future conditions analysis and determine the need (if any) and timing for the widening of Lake Pickett Road.

APPENDIX B

Stakeholder Meeting 1

Meeting Summary

Date: January 21, 2022

Summary Prepared By: Asha/VHB

Via Skype: WebEx Meeting

VHB Project No.: 63835.00

Project Name: **NEOCATS (North East Orange County Areawide Transportation Study) – Stakeholder Coordination Meeting**

Attendees:

Orange County

- Hatem Abou-Senna (Orange County PM)
- Brian Sanders
- Blanche Hardy

Central Florida Research Park (CFRP)

- Joe Wallace

Central Florida Expressway Authority (CFX)

- Jonathan Williamson
- Will Hawthorne

FDOT

- Channing Maiolo
- Jim Stroz

LYNX

- Bruce Detweiler
- Jeff Reine

MetroPlan Orlando

- Nick Lepp
- Taylor Laurent

Orange County Fire Rescue

- Jacob Lujan

Orange County Sheriff's Office

- Captain Joe McCollom

Orange County Public Schools (OCPS)

- Steven Thorp

Seminole County

- Bill Wharton
- Tony Nelson
- Jean Jreij
- Mary Moskowitz
- Matt Hassan
- William White

University of Central Florida (UCF)

- Susan Hutson

Consultant Team

- Babuji Ambikapathy (VHB Consultant PM)
- Raj Pemmanaboina (VHB)
- Srinivas Kandala (VHB)
- Nikki Melendez (VHB)
- Shannon Ruby-Julien (VHB)
- Amanda Johnson (VHB)
- Mohamed El-Agroudy (VHB)
- Christy Lofye (Inwood)
- Rohan Sadhai (Asha)

The stakeholder coordination meeting for NEOCATS was held on Friday, January 21, 2022, via WebEx. The coordination included representatives from MetroPlan Orlando, Orange County Public Schools (OCPS), Orange County Fire Rescue, Orange County Sheriff's Office, Florida Department of Transportation (FDOT), Central Florida Expressway Authority (CFX), LYNX, University of Central Florida (UCF), Central Florida Research Park and Seminole County. The Florida's Turnpike Enterprise (FTE) was invited but was not able to attend the meeting.

Meeting Summary

Following is a summary of the meeting.

- The meeting began with introductions, followed by a presentation summarizing the work activities completed to date, existing transportation conditions and upcoming future conditions analyses.
- Babuji made the presentation, followed by open discussion. The major items discussed are included below and organized by agency.
- Hatem reiterated the goal of the study, noted that the intent of today's call was to identify transportation projects to include in the future conditions analyses that are currently either planned or programmed within each agency, and to verify the information being presented.

Seminole County

- Tony Nelson noted that there are two studies being conducted by Seminole County: An areawide study to complement NEOCATS and an update to the 2040 Seminole County Transportation Master Plan.
- Additionally, there is a planned improvement for CR 419 during the 2030-40 timeframe.
- The County requested to be kept updated with the progress and findings of NEOCATS.
- The County requested a copy of the presentation.
- It was noted that another public meeting will be held in March 2022 to present the findings of the future condition analysis.
- Matt Hassan noted that there is a Slavia Road capacity improvement project from SR 426 to Red Bug Lake Road, and a feasibility study from SR 426 to Alafaya Trail.

LYNX

- LYNX has identified a list of projects for route, operations and infrastructure improvements; however, they are contingent on the status of the upcoming sales tax referendum.
 - Projects may change based on available funding.
 - LYNX to provide a copy of the projects that were identified and contingent on the passing of the sales tax referendum.
- LYNX is currently converting their fleet to alternative energies:
 - LYMMO is being converted to EV buses.
 - The rest of the fleet is being converted from diesel fuel to a natural gas.
 - The conversion process is outlined in the Fleet Readiness Plan.
 - LYNX to provide a copy of the Plan.

MetroPlan Orlando

- The 2050 LRTP update is expected to start soon.

Meeting Summary

- There are several signal projects under the Signal Cabinet program that are currently being implemented.
 - These projects must get sign off from Hazem prior to being implemented, so the County should have the list of signal projects.
- Taylor will provide copies of the 2045 MTP GIS files.
- The viability of Bluetooth technology was discussed as related to data collection.
 - MetroPlan Orlando currently relies on data provided by Streetlight, and is looking to Orange County to provide guidance and to lead this effort.

CFX

- CFX mentioned two studies of relevance: SR 408 East Extension to SR 520 and Colonial Parkway.
 - The SR 408 East Extension to SR 520 was conducted by CFX.
 - The Colonial Parkway study was conducted by the Florida's Turnpike Enterprise (FTE) to evaluate the potential to add tolled lanes along Colonial Drive (SR 50), from the SR 408 interchange to SR 520 in northeastern Orange County. It was concluded by the FTE that the project was not cost feasible.
- Both studies served the same need and are completed.
- The CFX study will be included in the CFX 2045 Master Plan as a Need or option to provide relief.

FDOT

- FDOT noted that the SR 50 widening project (from Avalon Park Boulevard to CR 419) would be let in 2027.
- FDOT had no other comments.

UCF

- Susan was interested in the source for some of the data presented as related to cut-thru traffic on campus roads (approximately 10% of traffic) and the impact to university-related traffic.
- The last campus Master Plan update was completed in 2019, and the next update is not anticipated to begin until 2024.
- UCF is currently invested in the Alafaya Trail from Challenger Parkway to McCulloch Road portion of the UCF Area Pedestrian Safety Study.
- UCF has started a Transportation Advisory Group to develop priorities in funding transportation improvements within the campus.
- In terms of transit:
 - UCF's desire is to see the campus service area expanded beyond 1-mile.
 - 75% of fleet has been converted to propane gas.
 - Are exploring use of electric buses/shuttles.

Meeting Summary

OCSO

- There were no major concerns at this time, but will provide feedback upon further review.

Additional notes:

Action Items:

- VHB to upload a copy of the presentation to the project website. – **Action completed.**
- LYNX to provide a copy of the projects that were identified and contingent on the passing of the sales tax referendum and a copy of the Fleet Readiness Plan.
- MetroPlan Orlando to provide copies of the 2045 MTP GIS files. – **Action completed.**

APPENDIX C

Community Meeting 2



Orange County Mayor
Jerry L. Demings

District 4 Commissioner
Maribel Gomez Cordero

District 5 Commissioner
Emily Bonilla

Orange County Mayor Jerry Demings and District 4 and 5 Commissioners Maribel Gomez Cordero and Emily Bonilla, invite you to attend the virtual **Community Meeting No. 2** for the North East Orange County Areawide Transportation Study.

What is NEOCATS?

Orange County is undertaking NEOCATS to proactively identify future transportation needs — that align with the needs of residents and businesses — to accommodate future growth in the northeast area of the County. North East Orange County faces many growth challenges over the next few years. How that growth is managed will directly impact the transportation network and mobility challenges.

What are the project limits?

The study area is approximately 19.8 square miles bordered by the Orange/Seminole County Line to the north, CR 419/Chuluota Road to the east, Colonial Drive to the south and Rouse Road to the west.

What is the intent of this meeting?

The purpose of this meeting, which is the second of two community meetings, is to present the findings and recommendations of the proposed future year 2045 transportation needs plan, and to obtain your feedback on the initial recommendations. The types of recommendations being considered include roadway widening, new roadways, safety improvements, intersection improvements, pedestrian/bicycle related improvements, and transit improvements.

North East Orange County Areawide Transportation Study (NEOCATS)



JOIN US!

Visit us online using the QR code to the right or at www.neocatstudy.com to:



Receive project updates



Submit your feedback using the online form



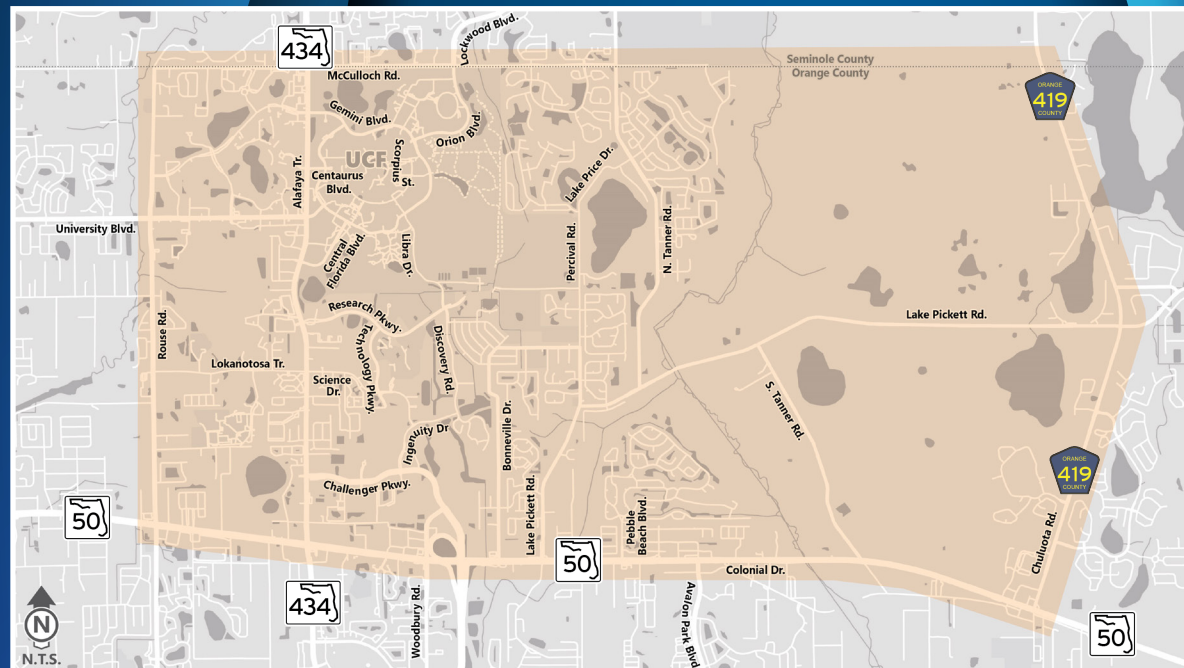
Spread the word to others in your community

Orange County will host a live online meeting on

**MARCH 30, 2022,
from 6 to 7 p.m.**

This meeting will be held via GoToWebinar and can be accessed by computer or smartphone. To attend the meeting, please visit <https://bit.ly/neocats-online-meeting2> or dial +1-213-929-4212 (enter Attendee Audio PIN: 327-649-654 if prompted).

Members of the public will have opportunities to submit questions and provide comments. A recording of the meeting will be available via the project website.



Study Area

Study Schedule	2021												2022					
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
Project Kick-off	★																	
Community Meetings							👤				👤							
Local Planning Agency (LPA) / Board of County Commissioners (BCC) Workshops & Public Hearings												👥 LPA	👥 BCC					
Traffic Data Collection & Analysis				🏔️														
Transportation Modeling					🏔️													
Evaluation of Scenarios & Needs Plan										🏔️								
Environmental Conditions									🏔️									
Final Report & Project Wrap-up																	🏔️	

★ Project Kick-off 👤 Community Meeting 👥 LPA/BCC Hearing 🏔️ Project Milestones

What's next?

Public engagement activities are planned throughout the duration of the project. Following Community Meeting No. 2, the study team will review feedback received from the community and make necessary changes to the recommendations. In April and May, the study team plans to present the refined recommendations to Orange County's Local Planning Agency and Board of County Commissioners for additional feedback. A tentative schedule of upcoming activities is included above. Updated study newsletters will be distributed prior to the public hearings in April and May.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, income, disability or familial status.

Persons who require language translation or interpretive services, which are provided at no cost, should contact **Ricardo Daye**, Orange County Title VI/Nondiscrimination coordinator, at 407-836-5825 or ricardo.daye@ocfl.net at least seven (7) days prior to the meeting.

Persons requiring special accommodations under the American with Disabilities Act of 1990 (ADA) may request assistance from **Nicola Norton**, Orange County ADA coordinator, at 407-836-6568 or nicola.norton@ocfl.net at least seven (7) days prior to the meeting.

We strongly encourage public participation and welcome your comments!

Where can I get more information?

For more information or if you have questions or comments about the study, please visit the project website at www.neocatstudy.com and/or contact the following representatives:

Hatem A. Abou-Senna, PhD., P.E.
Project Manager, Transportation Planning Division
407-836-8023 / hatem.abou-senna@ocfl.net
4200 S. John Young Parkway, Orlando, FL 32839

Babuji Ambikapathy, AICP, P.E.
Consultant Project Manager
407-230-2762 / bambikapathy@vhb.com
225 E. Robinson Street, Suite 300,
Landmark Center Two, Orlando, FL 32801-4326

Para información en Español:

Jonathon J. Fong, P.E.
Orange County Public Works Department
407-836-7976 / jonathan.fong@ocfl.net
4200 S. John Young Parkway, Orlando, FL 32839



North East Orange County Areawide Transportation Study (NEOCATS) Community Meeting #2

NEWSLETTER
Issue No. 2 | March 2022



Alcalde del
Condado de
Jerry L. Demings

Comisionado del
Distrito 4
Maribel Gomez Cordero

Comisionado del
Distrito 5
Emily Bonilla

El Alcalde del Condado de Orange, Jerry Demings, y los Comisionados de los Distritos 4 y 5, Maribel Gómez Cordero y Emily Bonilla, lo invitan a asistir a **la Reunión Comunitaria virtual Número 2** para el Estudio de Transporte del Área del Noreste del Condado de Orange.

¿Qué es NEOCATS?

El Condado de Orange está emprendiendo NEOCATS para identificar de manera proactiva las necesidades de transporte futuras, que se alinea con las necesidades de los residentes y las empresas, para acomodar el crecimiento futuro en el área noreste del Condado. El noreste del condado de Orange enfrenta muchos desafíos de crecimiento en los próximos años. La forma en que se gestione ese crecimiento tendrá un impacto directo en la red de transporte y los desafíos de movilidad.

¿Cuáles son los límites del proyecto?

El área de estudio es de aproximadamente 19.8 millas cuadradas y limita con la línea del condado de Orange / Seminole al norte, CR 419 / Chuluota Road al este, Colonial Drive al sur y Rouse Road al oeste.

¿Cuál es la intención de esta reunión?

El propósito de esta reunión, que es la segunda de dos reuniones comunitarias, es presentar los hallazgos y recomendaciones del plan de necesidades de transporte futuro propuesto para el año 2045 y obtener su opinión sobre las recomendaciones iniciales. Los tipos de recomendaciones que se están considerando incluyen la ampliación de caminos, nuevos caminos, mejoras de seguridad, mejoras de intersecciones, mejoras relacionadas con peatones / bicicletas y mejoras de tránsito.

Estudio de Transporte en todo el área del noreste del Condado de Orange (NEOCATS)



¡ÚNASE A NOSOTROS!

Visítenos en línea usando el código QR a la derecha o en www.neocatstudy.com para:



Recibir actualizaciones del proyecto



Envíe sus comentarios utilizando la herramienta en línea



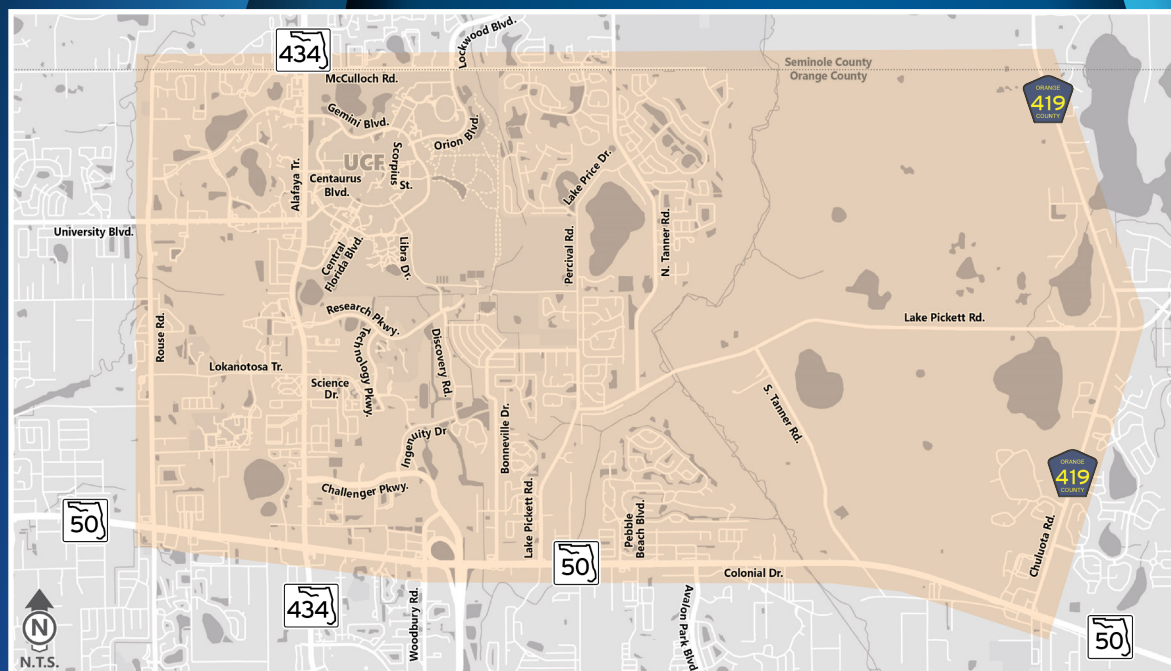
Corra la voz a otros en su comunidad

El Condado de Orange organizará una reunión en línea en vivo el

**30 DE MARZO DE 2022,
de 6 a 7 p.m.**

Esta reunión se llevará a cabo a través de GoToWebinar y se puede acceder por computadora o teléfono inteligente. Para asistir a la reunión, visite <https://bit.ly/neocatsonline-meeting2> o marque +1-213-929-4212 (ingrese el PIN de audio del asistente: 327-649-654 si se le solicita).

Los miembros del público tendrán la oportunidad de enviar preguntas y comentarios. Una grabación de la reunión estará disponible a través del sitio web del proyecto.



Área de estudio

Horario de estudio	2021												2022					
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Project Kick-off	★																	
Comienzo del proyecto							👤				👤							
Talleres y Audiencias Públicas Agencia de Planificación Local (LPA) / Junta de Comisionados del Condado (BCC)												👥 LPA	👥 BCC					
Recopilación y análisis de datos de tráfico				🏔️														
Modelado de transporte					🏔️													
Evaluación de Escenarios y Plan de Necesidades										🏔️								
Condiciones ambientales									🏔️									
Informe final y conclusión del proyecto																🏔️		

★ Comienzo del proyecto

👤 Reunión de la comunidad

👥 Audiencia LPA/BCC

🏔️ Hitos del proyecto

¿Que sigue?

Las actividades de participación pública se planifican a lo largo de la duración del proyecto. Después de la Reunión Comunitaria No. 2, el equipo de estudio revisará los comentarios recibidos de la comunidad y hará los cambios necesarios a las recomendaciones. En abril y mayo, el equipo de estudio planea presentar las recomendaciones mejoradas a la Agencia de Planificación Local del Condado de Orange y a la Junta de Comisionados del Condado para recibir comentarios adicionales. Un cronograma tentativo de las próximas actividades se incluye arriba. Se distribuirán boletines actualizados del estudio antes de las audiencias públicas en abril y mayo.

Se solicita la participación pública sin distinción de raza, color, nacionalidad, edad, sexo, religión, ingresos, discapacidad o estado familiar.

Las personas que requieran servicios de interpretación o traducción de idiomas, que se brindan sin costo, deben comunicarse con Ricardo Daye, Coordinador del Título VI/No Discriminación del Condado de Orange, al 407-836-5825 o ricardo.daye@ocfl.net al menos siete (7) días antes de la reunión.

Las personas que requieran adaptaciones especiales bajo la Ley de Estadounidenses con Discapacidades de 1990 (ADA) pueden solicitar asistencia de Nicola Norton, coordinadora de ADA del Condado de Orange, al 407-836-6568 o nicola.norton@ocfl.net al menos siete (7) días antes de la reunión.

¡Alentamos efuertemente la participación pública y agradecemos sus comentarios!

¿Dónde puedo obtener más información?

Para obtener más información o si tiene preguntas o comentarios sobre el estudio, visite el sitio web del proyecto en www.neocatstudy.com y/o comuníquese con los siguientes representantes:

Hatem A. Abou-Senna, PhD., P.E.

Gerente de Proyecto, División de Planificación de Transporte
407-836-8023 / hatem.abou-senna@ocfl.net
4200 S. John Young Parkway, Orlando, FL 32839

Babuji Ambikapathía, AICP, P.E.

Consultor Gerente de Proyectos
407-230-2762 / bambikapathy@vhb.com
225 E. Robinson Street, Suite 300,
Landmark Center Two, Orlando, FL 32801-4326

Para información en Español:

Jonathan J. Fong, Educación Física

Departamento de Obras Públicas del Condado de Orange
407-836-7976 / jonathan.fong@ocfl.net
4200 S. John Young Parkway, Orlando, FL 32839



@OrangeCoFL



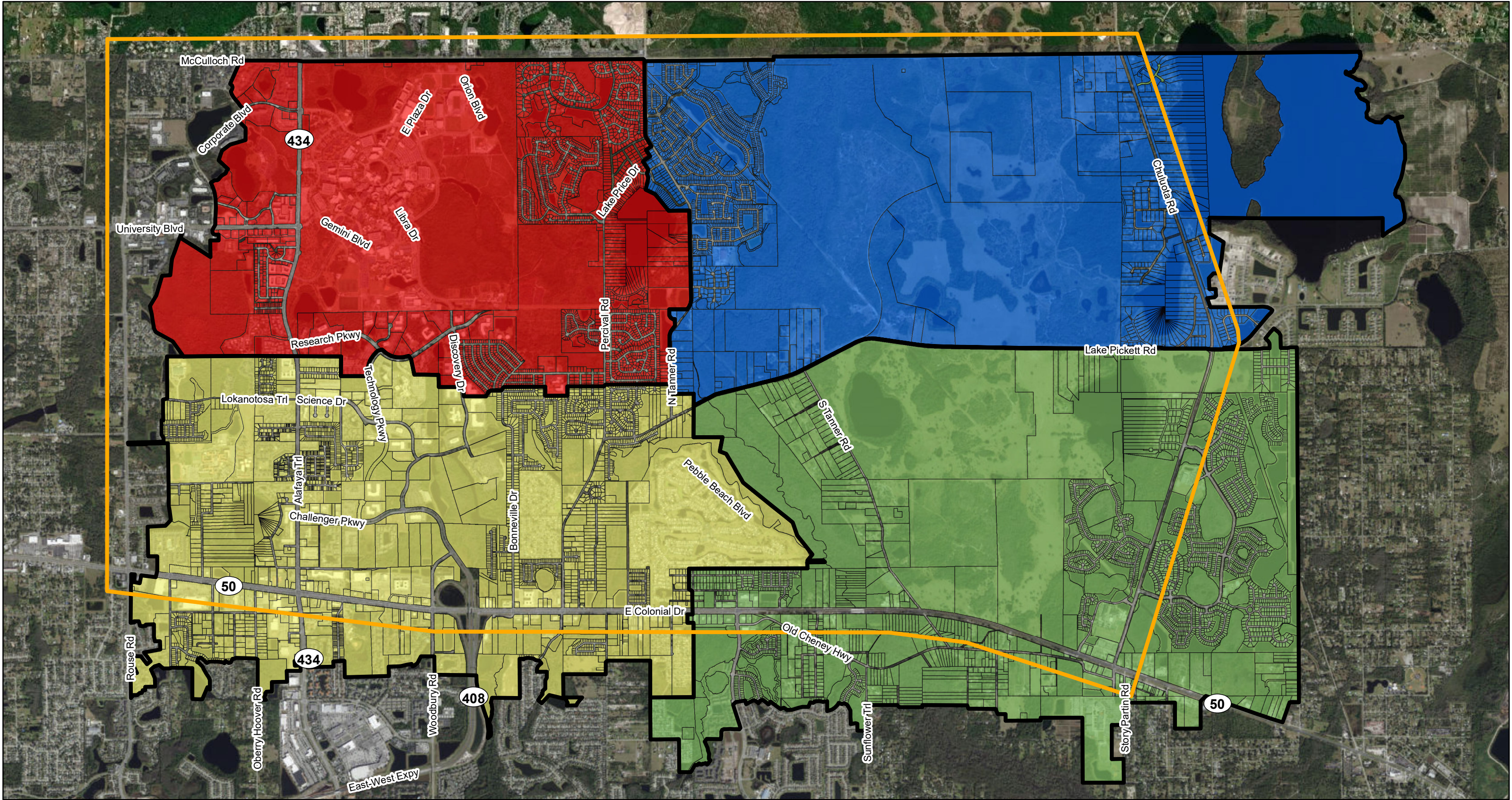
Gobierno del Condado de Orange, Florida



Estudio de Transporte en todo el área del noreste del Condado de Orange (NEOCATS)
Reuniones Comunitarias #2

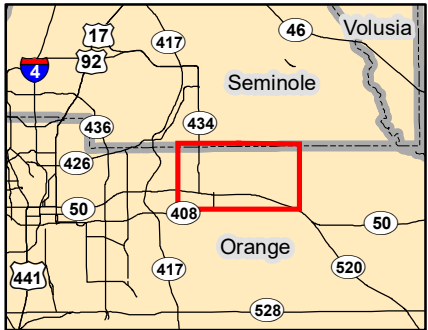
BOLETÍN

Edición No. 2 | Marzo 2022



Legend

- Stakeholders - Quadrant 1
- Stakeholders - Quadrant 2
- Stakeholders - Quadrant 3
- Stakeholders - Quadrant 4
- Analysis Coverage Areas
- Traffic Study Area



Mailing List Coverage Area Map
The North East Orange County
Areawide Transportation Study
(NEOCATS)

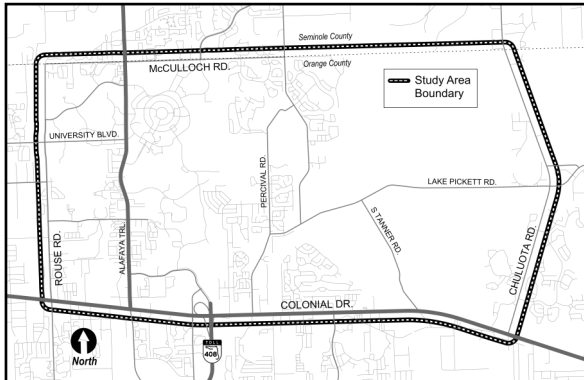
PUBLIC NOTICE

North East Orange County Areawide Transportation Study (NEOCATS) *Community Meeting No. 2, March 30, 2022*

The Orange County Transportation Planning Division is undertaking NEOCATS to proactively identify future transportation needs that align with the needs of residents and businesses to accommodate future growth in the northeast area of the County. Northeast Orange County faces many growth challenges over the next few years. How that growth is managed will directly impact the transportation network and your mobility challenges. The purpose of this meeting, which is the second of two community meetings, is to present the finding and recommendations of the proposed future year 2045 transportation needs plan, and to obtain your feedback on the initial recommendations.

Due to COVID-19, this meeting will be held online via GoToWebinar. The virtual public meeting is free to attend and can be accessed by computer and smartphone. The meeting will include a presentation of finding and recommendations of the proposed future year 2045 transportation needs plan. The public will have opportunities to ask questions and provide comments and input to Orange County and project representatives. **To attend the meeting, please visit <https://bit.ly/neocats-online-meeting2> or dial +1-213-929-4212 (enter Attendee Audio PIN: 327-649-654 if prompted).**

Following the live virtual meeting, the recorded meeting will be available via the project website at www.neocatstudy.com. The website includes an online comment section where the public can provide additional input, sign up for regular project updates, and find more information about the study.



If you have any questions regarding the project or meeting, please contact:

Hatem A. Abou-Senna, PhD., P.E.
Project Manager
Orange County Transportation Planning
Division
Phone: 407-836-8023
Email: hatem.abou-senna@ocfl.net

Babuji Ambikapathy, AICP, P.E.
Consultant Project Manager
Phone: 407-230-2762
Email: bambikapathy@vhb.com

Para información en Español, llame a:

Jonathan J. Fong, P.E.
Orange County Public Works
Engineering Division
Teléfono: 407-836-7976
Correo Electrónico: jonathan.fong@ocfl.net

Public participation is solicited without regard to race, color, national origin, age, sex, religion, income, disability or familial status. Persons who require language translation or interpretive services, which are provided at no cost, should contact Ricardo Daye, Orange County Title VI/Nondiscrimination coordinator, at 407-836-5825 or ricardo.daye@ocfl.net at least seven (7) days prior to the meeting. Persons requiring special accommodations under the American with Disabilities Act of 1990 (ADA) may request assistance from Nicola Norton, Orange County ADA coordinator, at 407-836-6568 or nicola.norton@ocfl.net at least seven (7) days prior to the meeting.

AVISO PÚBLICO

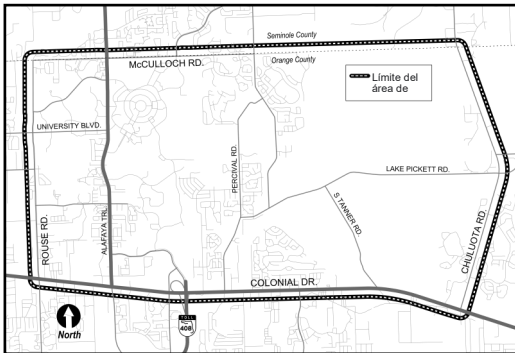
Estudio de Transporte en todo el área del noreste del Condado de Orange (NEOCATS)

Reunión Comunitaria No. 2, 30 de Marzo de 2022

La División de Planificación del Transporte del Condado de Orange está emprendiendo NEOCATS para identificar de manera proactiva las necesidades de transporte futuras, que se alinean con las necesidades de los residentes y las empresas, para adaptarse al crecimiento futuro en el área noreste del Condado. El noreste del Condado de Orange enfrenta muchos desafíos de crecimiento en los próximos años. La forma en que se gestione ese crecimiento tendrá un impacto directo en la red de transporte y en sus desafíos de movilidad. El propósito de esta reunión, que es la segunda de dos reuniones comunitarias, es presentar los hallazgos y las recomendaciones del plan de necesidades de transporte futuro propuesto para el año 2045, y obtener su opinión sobre las recomendaciones iniciales.

Debido a COVID-19, esta reunión se llevará a cabo en línea a través de GoToWebinar. La reunión pública virtual es gratuita y se puede acceder por computadora y teléfono inteligente. La reunión incluirá una presentación de los hallazgos y recomendaciones del plan de necesidades de transporte futuro propuesto para el año 2045. El público tendrá la oportunidad de hacer preguntas y brindar comentarios y aportes al Condado de Orange y a los representantes del proyecto. **Para asistir a la reunión, visite <https://bit.ly/neocats-online-meeting2> o marque +1-213-929-4212 (ingrese el PIN de audio del asistente: 327-649-654 si se le solicita).**

Después de la reunión virtual en vivo, la reunión grabada estará disponible a través del sitio web del proyecto en www.neocatsstudy.com. El sitio web incluye una sección de comentarios en línea donde el público puede proporcionar información adicional, registrarse para recibir actualizaciones periódicas del proyecto y encontrar más información sobre el estudio.



Si tiene alguna pregunta sobre el proyecto o la reunión, comuníquese con:

Hatem A. Abou-Senna, PhD., P.E.

Gerente de Proyecto

División de Planificación de Transporte del Condado de Orange

Teléfono: 407-836-8023

Correo electrónico: hatem.abou-senna@ocfl.net

Babuji Ambikapathy, AICP, P.E.

Consultor Administración de Proyectos

Teléfono: 407-230-2762

Correo electrónico: bambikapathy@vvhb.com

Para información en español, llame a:

Jonathan J. Fong, P.E.

Departamento de Obras Públicas del Condado de Orange, División de Ingeniería

Teléfono: 407-836-7976

Correo Electrónico: jonathan.fong@ocfl.net

Se solicita la participación pública sin distinción de raza, color, nacionalidad, edad, sexo, religión, ingresos, discapacidad o estado familiar. Las personas que requieran traducción de idiomas o servicios de interpretación, que se brindan sin costo alguno, deben comunicarse con Ricardo Daye, coordinador del Título VI / No Discriminación del Condado de Orange, al 407-836-5825 o ricardo.daye@ocfl.net al menos siete (7) días antes de la reunión. Las personas que requieran adaptaciones especiales bajo la Ley de Estadounidenses con Discapacidades de 1990 (ADA) pueden solicitar ayuda a Nicola Norton, coordinadora de ADA del Condado de Orange, al 407-836-6568 o nicola.norton@ocfl.net al menos siete (7) días antes de la cita.



FOR IMMEDIATE RELEASE

March 30, 2022

Contact: Despina C. McLaughlin, Public Information Officer
Telephone: 407-836-5964
Email: pio@ocfl.net

**North East Orange County Areawide Transportation Study (NEOCATS)
Community Meeting No. 2, Wednesday, March 30, 2022**

Orange County, FL – The Orange County Transportation Planning Division is undertaking NEOCATS to proactively identify future transportation needs — that align with the needs of residents and businesses — to accommodate future growth in the northeast area of the County. North East Orange County faces many growth challenges over the next few years. How that growth is managed will directly impact the transportation network and mobility challenges.

The purpose of this meeting, which is the second of two community meetings, is to present the finding and recommendations of the proposed future year 2045 transportation needs plan, and to obtain your feedback on the initial recommendations. The types of recommendations being considered include roadway widening, new roadways, safety improvements, intersection improvements, pedestrian/bicycle related improvements, and transit improvements.

**Virtual Public Meeting
Wednesday, March 30, 2022
6:00 to 7:00 p.m.**

Due to COVID 19, this meeting will be held online via GoToWebinar. The virtual public meeting is free to attend and can be accessed by computer and smartphone. The public will have opportunities to ask questions and provide comments and input to Orange County and project representatives. **To attend the meeting, please visit <https://bit.ly/neocats-online-meeting2> or dial +1-213-929-4212 (enter Attendee Audio PIN: 327-649-654 if prompted).**

Following the live virtual meeting, the recorded meeting will be available via the project website at www.neocatstudy.com. The website includes an online comment section where the public can provide additional input, sign up for regular project updates, and find more information about the study.

If you have any questions regarding the project or meeting, please contact Hatem A. Abou-Senna, PhD., P.E., Project Manager, Orange County Transportation Planning Division, at 407-836-8023 or hatem.abou-senna@ocfl.net. Para información en Español, llame a Jonathan J. Fong, P.E.; Orange County Public Works, Engineering Division; 4200 S. John Young Parkway, Orlando, FL 32839; Teléfono: 407-836-7976; Correo Electrónico: jonathan.fong@ocfl.net.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, income, disability or familial status. Persons who require language translation or interpretive services, which are provided at no cost, should contact Ricardo Daye, Orange County Title VI/Nondiscrimination coordinator, at 407-836-5825 or ricardo.daye@ocfl.net at least seven (7) days prior to the meeting. Persons requiring special accommodations under

the American with Disabilities Act of 1990 (ADA) may request assistance from Nicola Norton, County ADA coordinator, at 407-836-6568 or nicola.norton@ocfl.net at least seven (7) days prior to the meeting.

About Orange County Government: Orange County Government strives to serve its citizens and guests with integrity, honesty, fairness and professionalism. Located in Central Florida, Orange County includes 13 municipalities and is home to world-famous theme parks, the nation's second-largest convention center and a thriving life science research park. Seven elected members make up the Board of County Commissioners including the Mayor who is elected countywide. For more information, please visit www.ocfl.net or go to the Orange County Facebook and Twitter pages.



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 April 4th, 2022. It will be available for replay until April 12th, 2022.

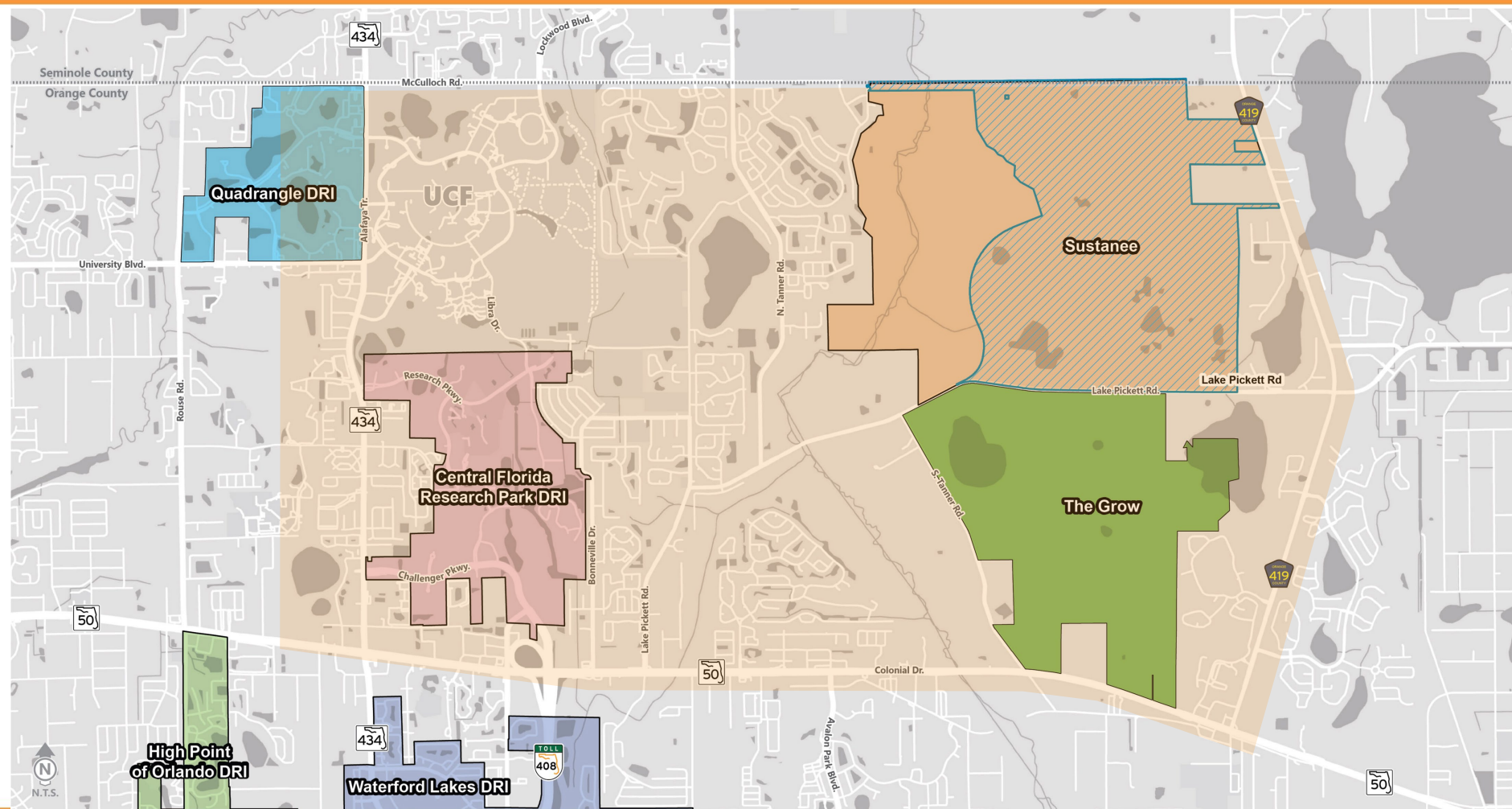


North East Orange County Areawide Transportation Study (NEOCATS)



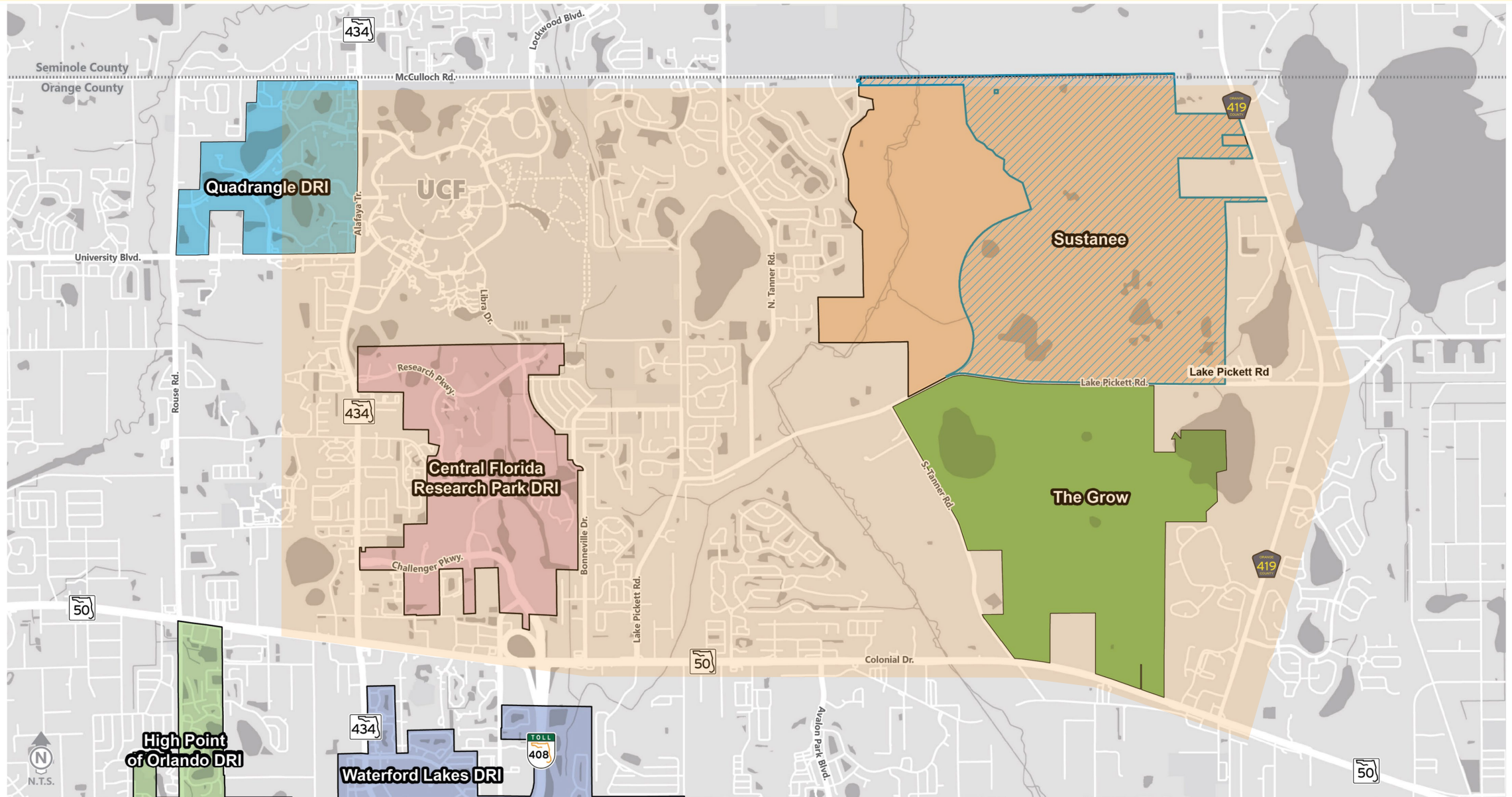
Community Meeting # 2

March 30, 2022





Study Area





Agenda



Introductions



Study Purpose and Objectives



Study Methodology



Safety Review and
Operational Analysis Results



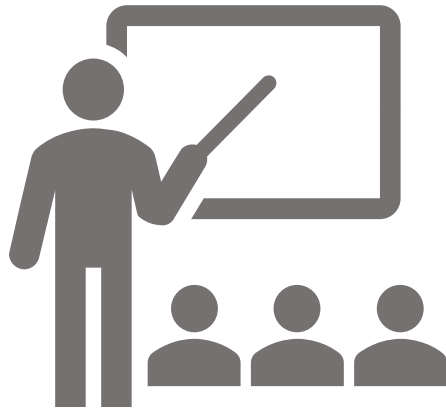
Recommended Improvements



Study Timeline / Next Steps



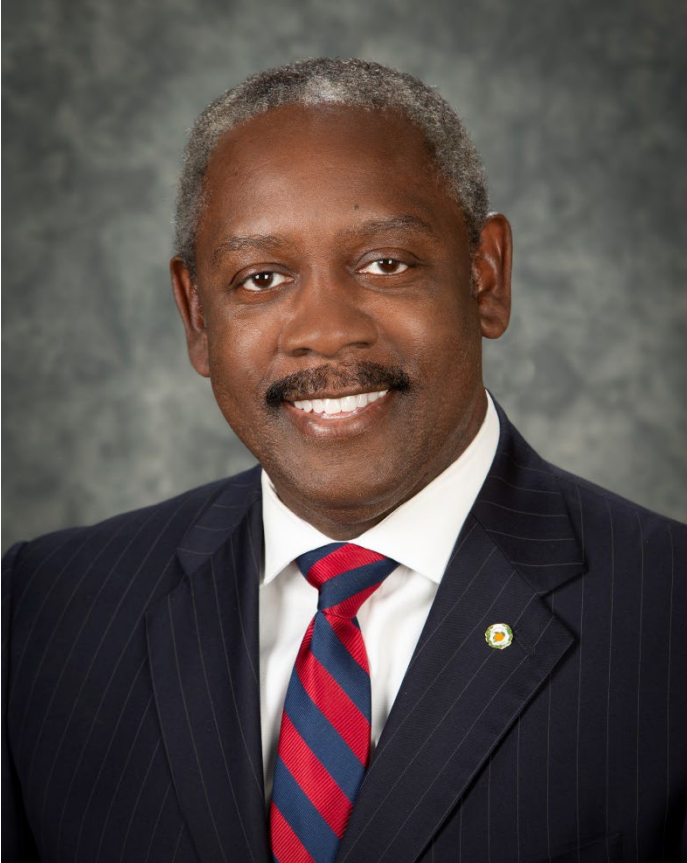
Feedback and Discussion



Introductions



Welcome and Opening Remarks



Orange County Mayor
Jerry L. Demings



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

Hatem A. Abou-Senna, PhD., P.E.

Project Manager

Orange County Transportation Planning Division
4200 S. John Young Pkwy.
Orlando, FL. 32839

Phone: (407) 836-8023

Email: hatem.abou-senna@ocfl.net

Website: www.neocatstudy.com



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



Study Purpose and Objectives



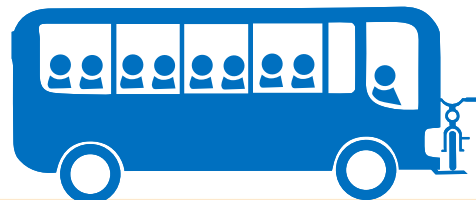
Study Purpose and Objectives

Study Purpose

*"Support future growth
while preserving
community character"*

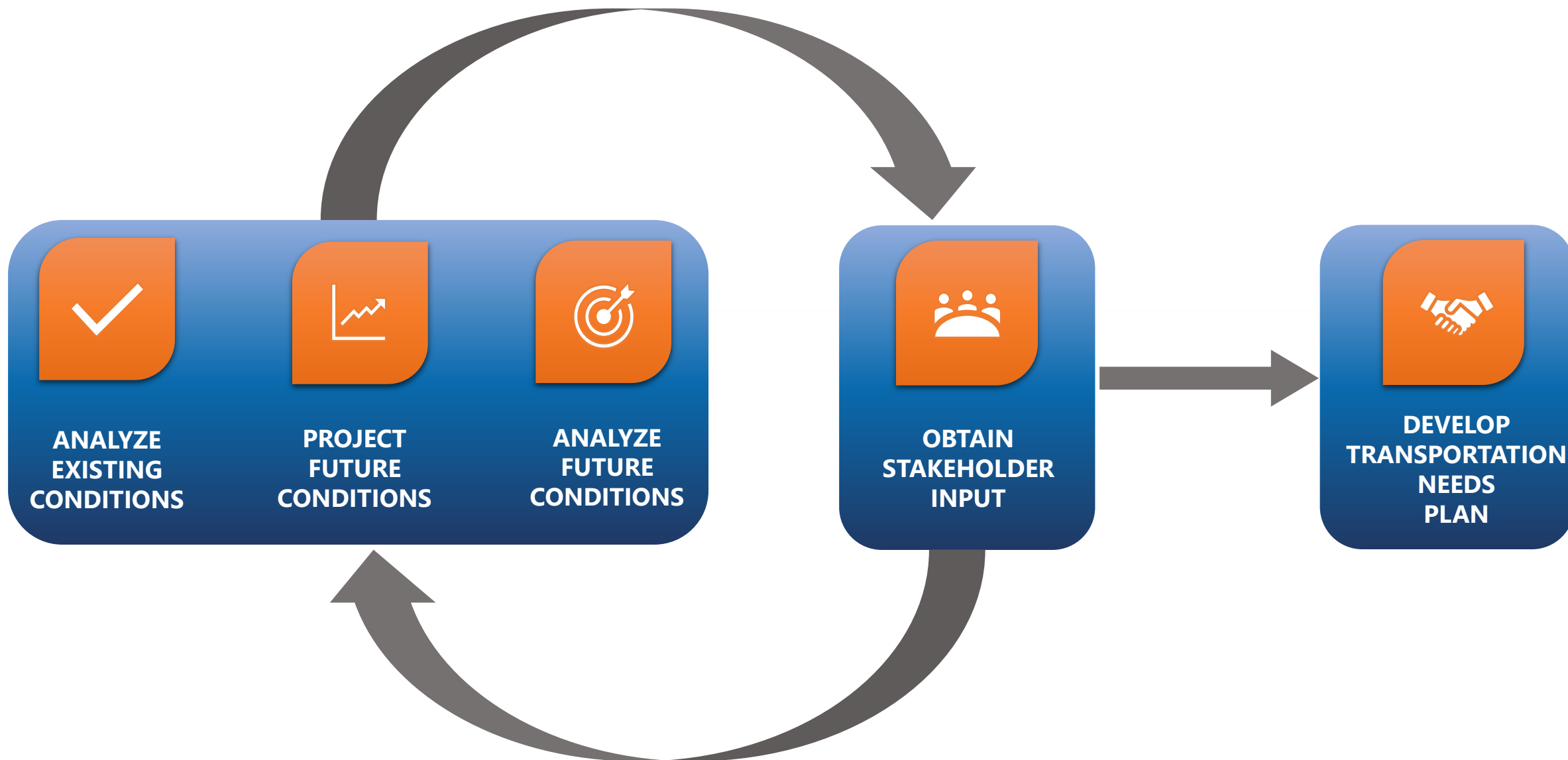
Objectives

- 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





Community/Agency Meetings

Community Meeting #1


November 1, 2021

- Mail-outs: 8,656
- Forums: Website, Newspaper Advertisement and GoToMeeting

Agency Meeting #1

January 21, 2022

- Florida Department of Transportation (FDOT)
- Orange County
- Seminole County
- University of Central Florida (UCF)
- LYNX
- MetroPlan Orlando
- Central Florida Expressway Authority (CFX)
- Orange County Fire Rescue
- Orange County Sheriff's Office
- Orange County Public Schools (OCPS)
- Central Florida Research Park (CFRP)



Orange County Mayor Jerry L. Demings and District 4 and 5 Commissioners Maribel Gomez Cordero and Emily Bonilla, invite you to attend a virtual kickoff meeting for the North East Orange County Areawide Transportation Study.

What is NEOCATS?
Orange County is undertaking NEOCATS to proactively identify future transportation needs - that aligns with the needs of residents and businesses - to accommodate future growth in the northeast area of the County.

North East Orange County faces many growth challenges over the next few years. How that growth is managed will directly impact the transportation network and your mobility challenges.

What are the project limits?
The study area is approximately 19.8 square miles bordered by the Orange/Seminole County Line to the north, CR 419/Chuluota Road to the east, Colonial Drive to the south and Rouse Road to the west.

What is the intent of this meeting?
The purpose of this first of two meetings is to present the data collection findings for existing traffic conditions and 2045 traffic forecasts, and to obtain your feedback on transportation issues important to you!

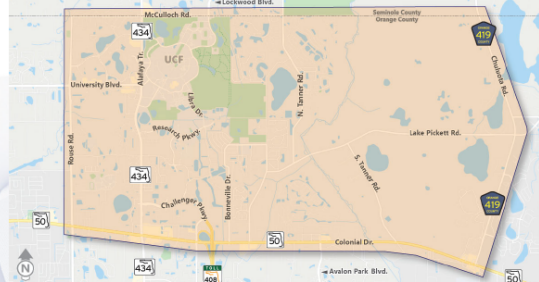
North East Orange County Areawide Transportation Study (NEOCATS)


JOIN US!
Visit us online using the QR code to the right or at www.neocatstudy.com to:

- Receive project updates
- Submit your feedback using the online tool
- Spread the word to others in your community

Orange County will host a live online meeting on **NOVEMBER 1, 2021** from 6:00-7:00 p.m.

This meeting will be held via GoToWebinar and can be accessed by computer or smartphone. To attend the meeting, please visit <https://bit.ly/neocats-online-meeting> or call (631) 992-3221 (enter access code: 606-293-831 if prompted). Members of the public will have opportunities to submit questions and provide comments. A recording of the meeting will be available via the project website.

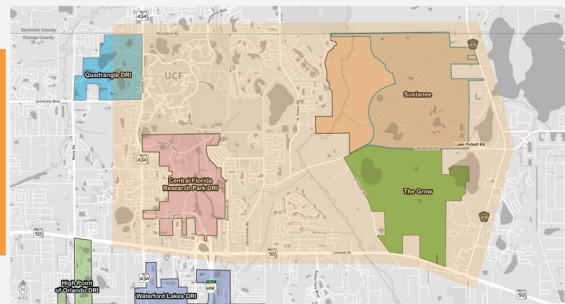




North East Orange County Areawide Transportation Study (NEOCATS)

Stakeholder Coordination Meeting

January 2022



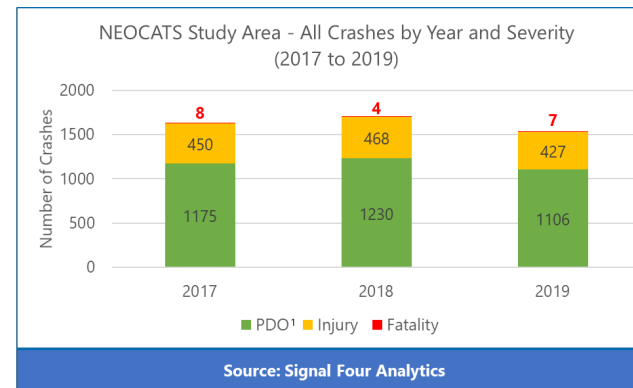
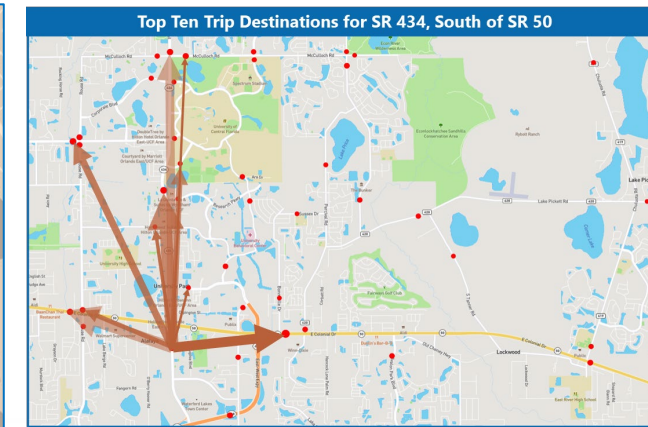


Study Methodology



Key Elements

- Roadway data
 - Major developments
 - Pedestrian/bicycle gaps
 - Transit routes
 - Lighting
 - ITS
- Historical crash data
- Traffic data
 - Traffic volumes
 - Origin-Destination (OD) study
 - Multimodal operational analysis
 - Connected Autonomous Vehicles (CAV) impacts*
- Stakeholder input
- Programmed and planned projects
- Orange County, FDOT, and FHWA guidelines
- Similar projects



1. PDO - Property Damage Only

Capacity Analysis for Planning of Junctions						
Dynamic Results Summary						
TYPE OF INTERSECTION	Overall V/C Ratio	V/C Ranking	Multimodal Score	Pedestrian Accommodations	Bicycle Accommodations	Transit Accommodations
Displaced Left Turn	0.49	1	4.8	Fair	Fair	Good
Signalized Restricted Crossing U-Turn N-S	0.50	2	6.3	Good	Good	Fair
Quadrant Roadway S-W	0.51	3	4.4	Fair	Fair	Fair
Quadrant Roadway N-W	0.51	3	4.4	Fair	Fair	Fair
Quadrant Roadway N-E	0.52	5	4.4	Fair	Fair	Fair
Quadrant Roadway S-E	0.52	5	4.4	Fair	Fair	Fair
Partial Displaced Left Turn N-S	0.52	5	4.8	Fair	Fair	Good
Partial Median U-Turn N-S	0.53	8	6.3	Good	Good	Fair
Traffic Signal	0.56	9	4.8	Fair	Fair	Good
2NS X 1EW	0.70	10	5.6	Fair	Good	Good

Note: *CAV Impacts based on the latest Highway Capacity Manual (HCM) 7th Edition



Improvement Types

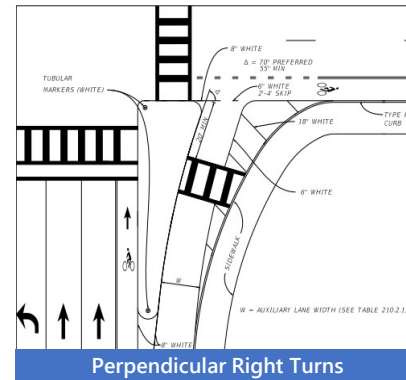
Range of Improvements

- Traditional
 - Turn lanes
 - Operational
- Innovative Intersection Types
- Safety
 - Data driven approach
 - Lighting
 - ADA
- Emerging Technologies/Intelligent Transportation Systems (ITS)
 - CAV impacts
- Multimodal
 - Pedestrian/bicycle/trails
 - Transit
- Transportation Demand Management (TDM) strategies



Example Turn Lanes at an Intersection

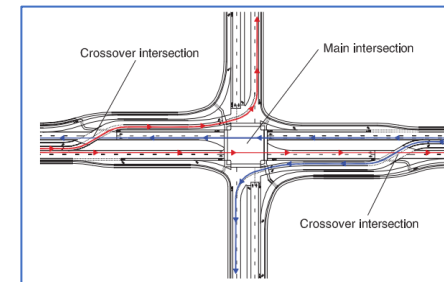
Figure 212.12.3 Near Perpendicular Right Turn Lane



Perpendicular Right Turns



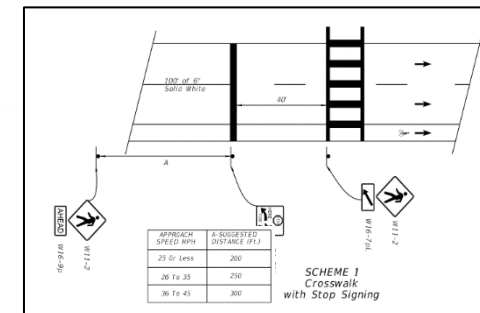
Connected Vehicle Technology (Source: its.dot.gov)



Displaced Left-turn Intersection (DLT)



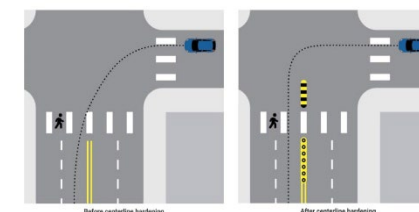
Roundabout



Midblock Crosswalks



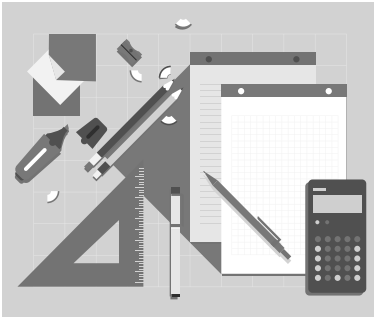
Adaptive Signal System



Hardened Centerlines/Pedestrian Refuge



Advance Traffic Control Signs



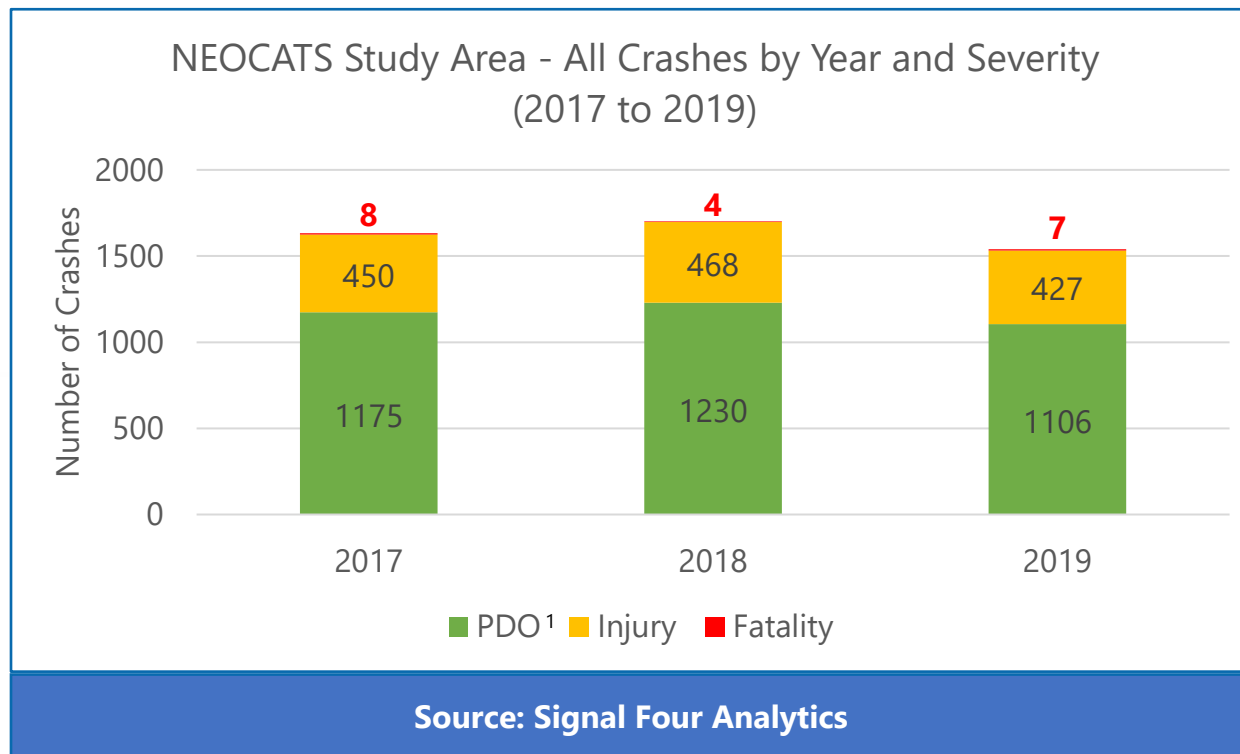
Safety Review and Operational Analysis Results



Historical Crash Analysis

Signal Four Analytics (2017-2019)

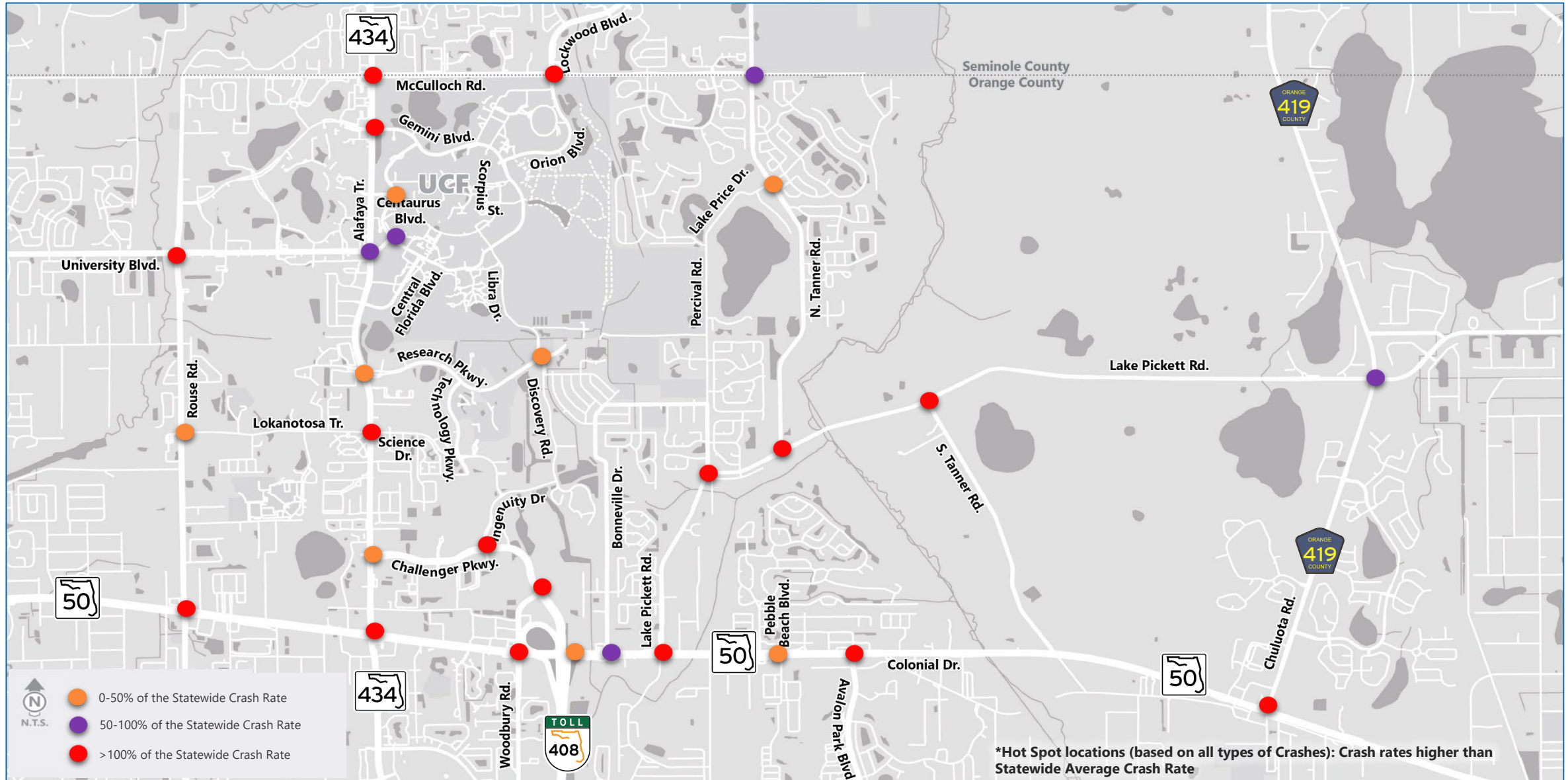
- Totals (roadway + intersections)
 - 4,875
 - 19 fatalities
 - 1,345 injury crashes
 - 3,511 property damage
 - Major types – rear-end, angle & sideswipe
- Intersections
 - 2,728 (56% of total)
- Mid-segments
 - 2,147 (44% of total)



1. PDO - Property Damage Only

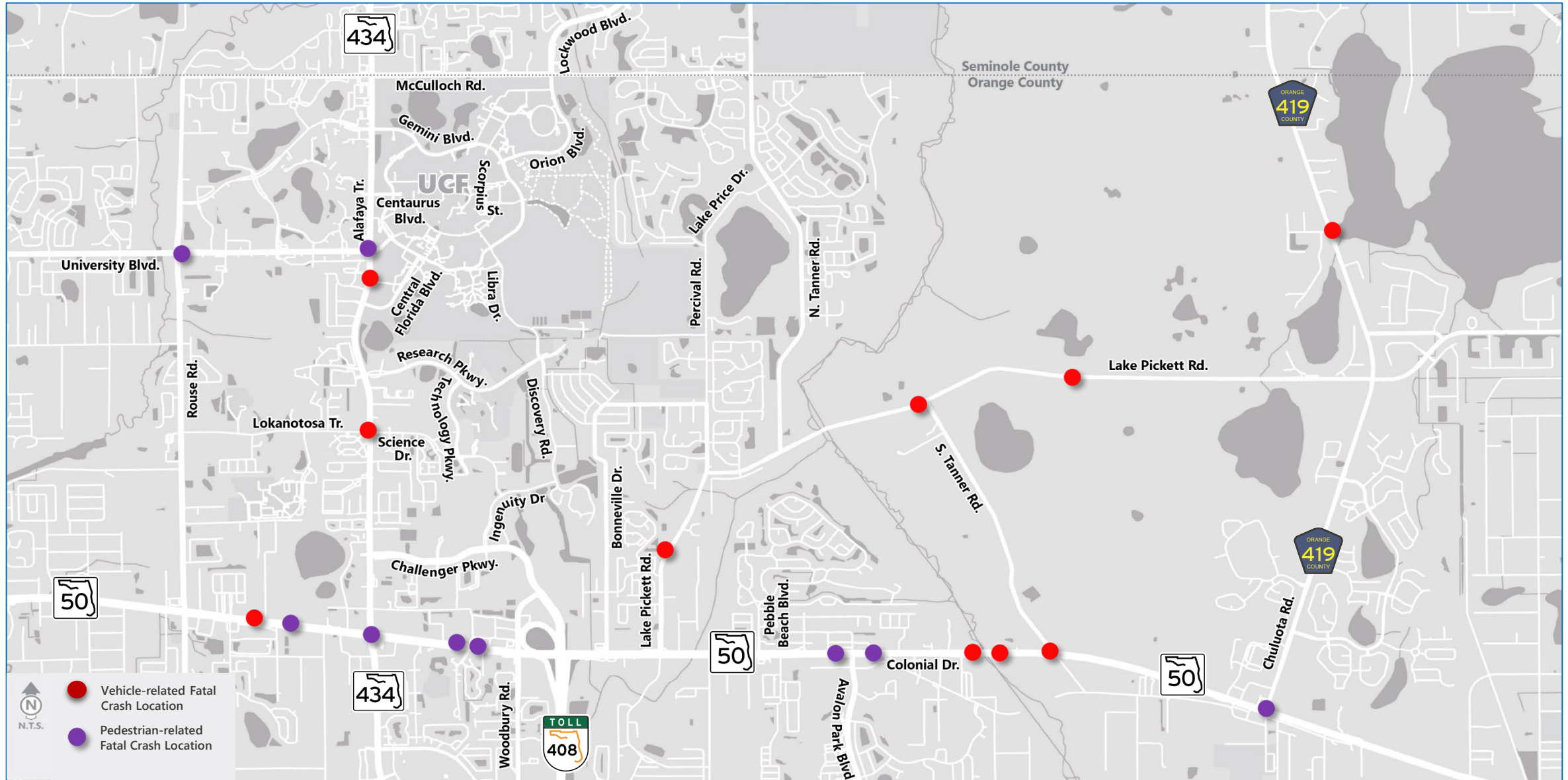


Hot Spot Locations (2017-2019)



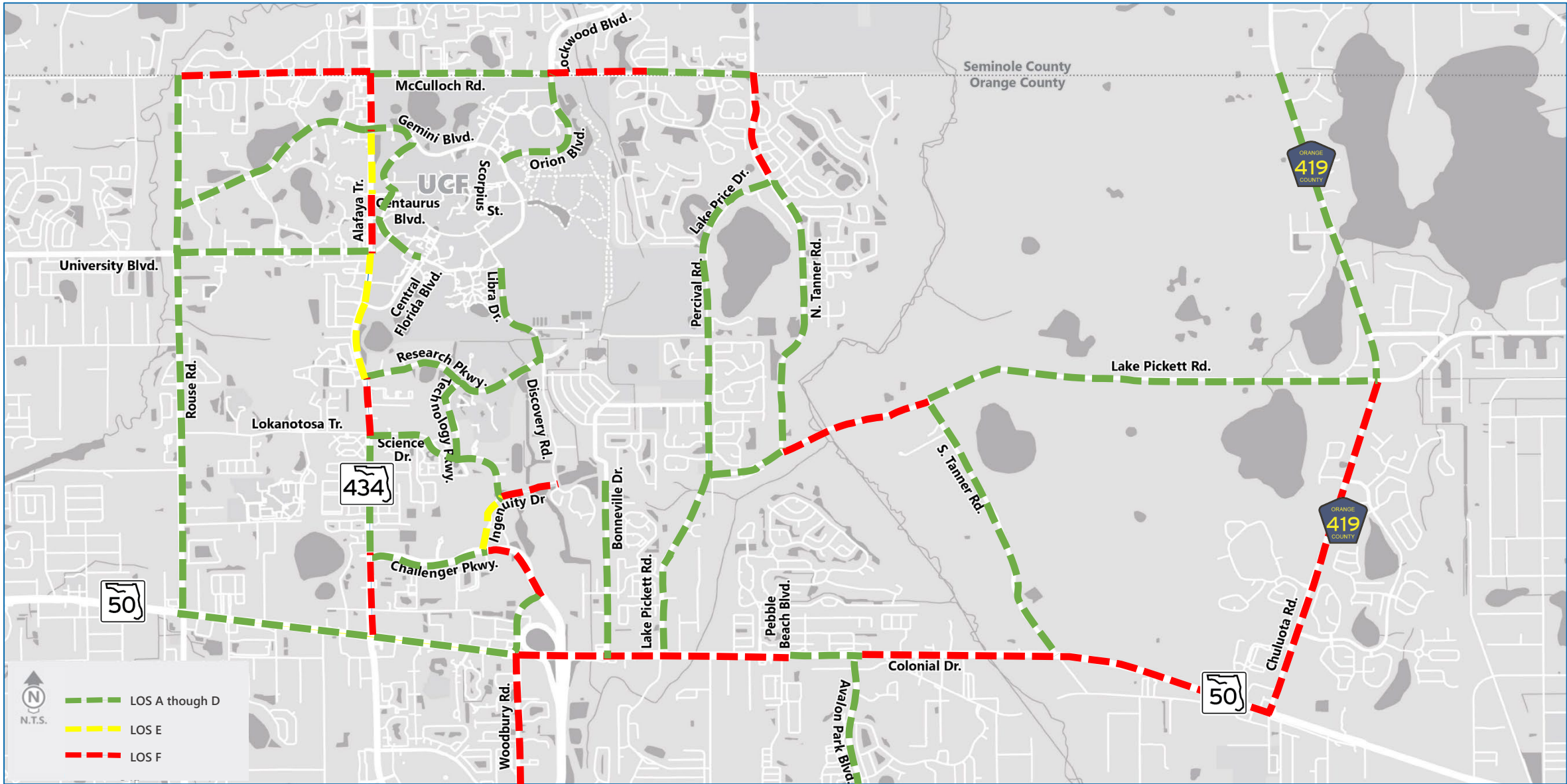


Fatal Crash Locations (2017-2019)



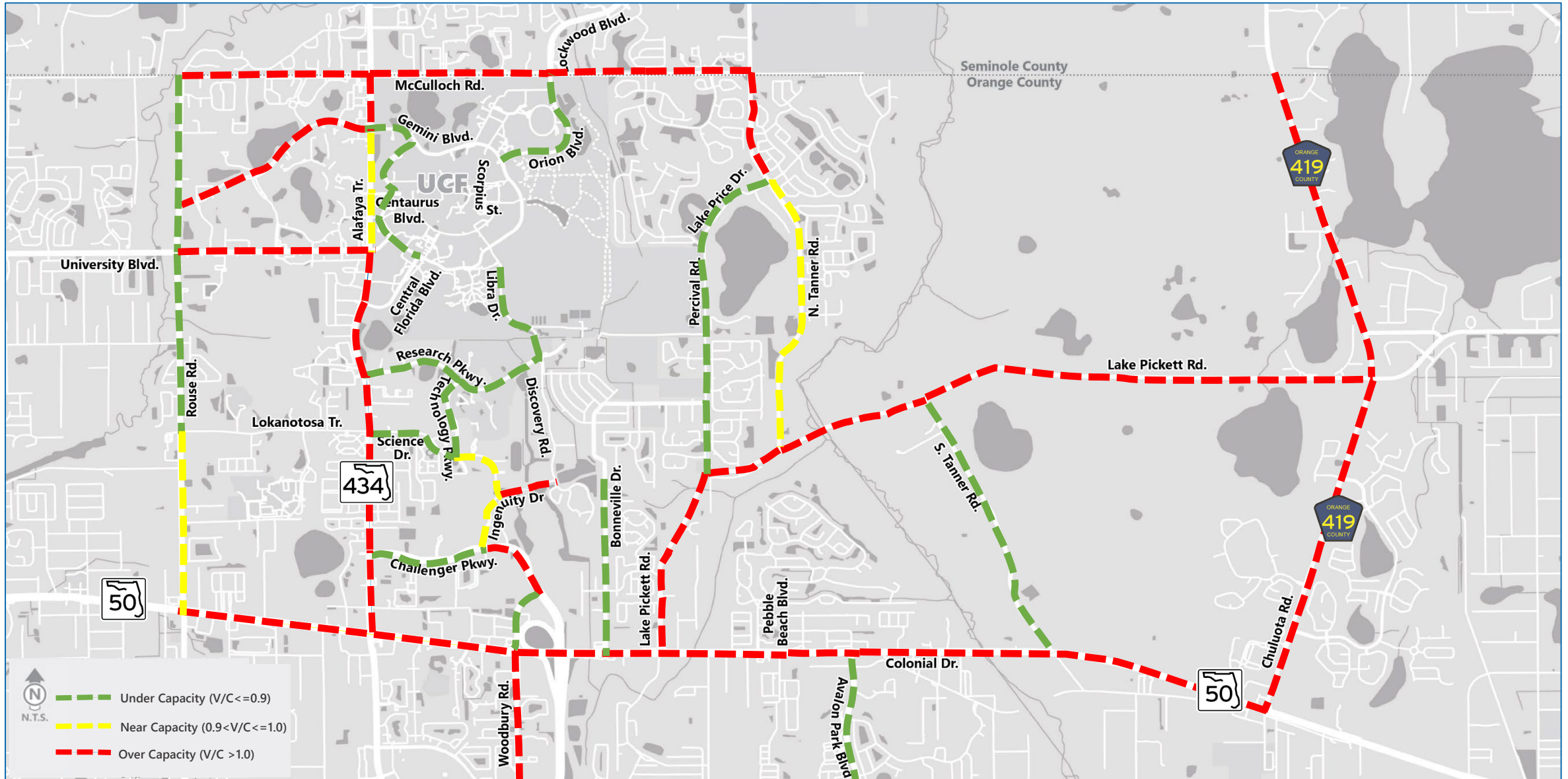


Existing Traffic Conditions - Segments



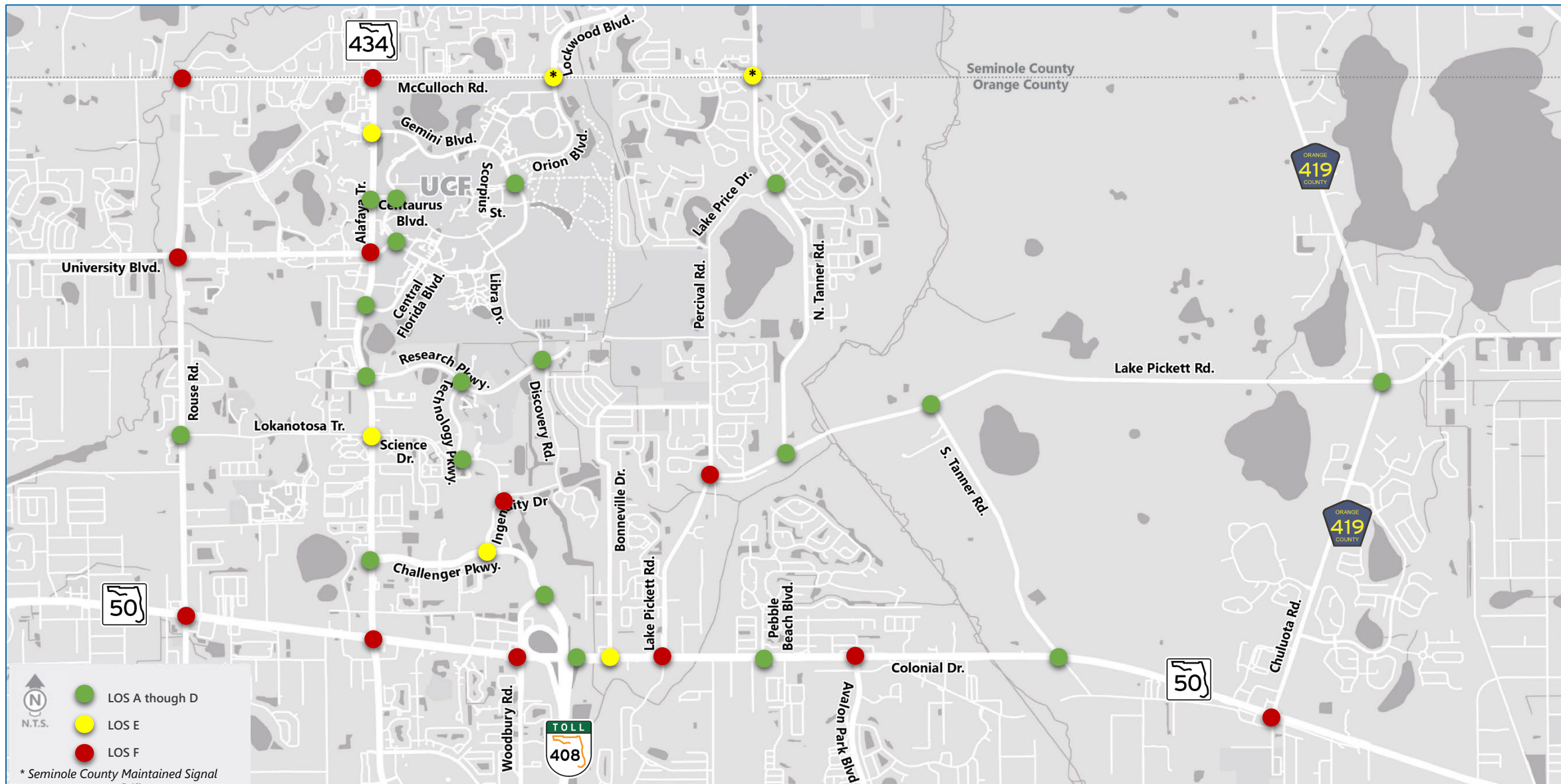


2045 No Build Traffic Conditions - Segments



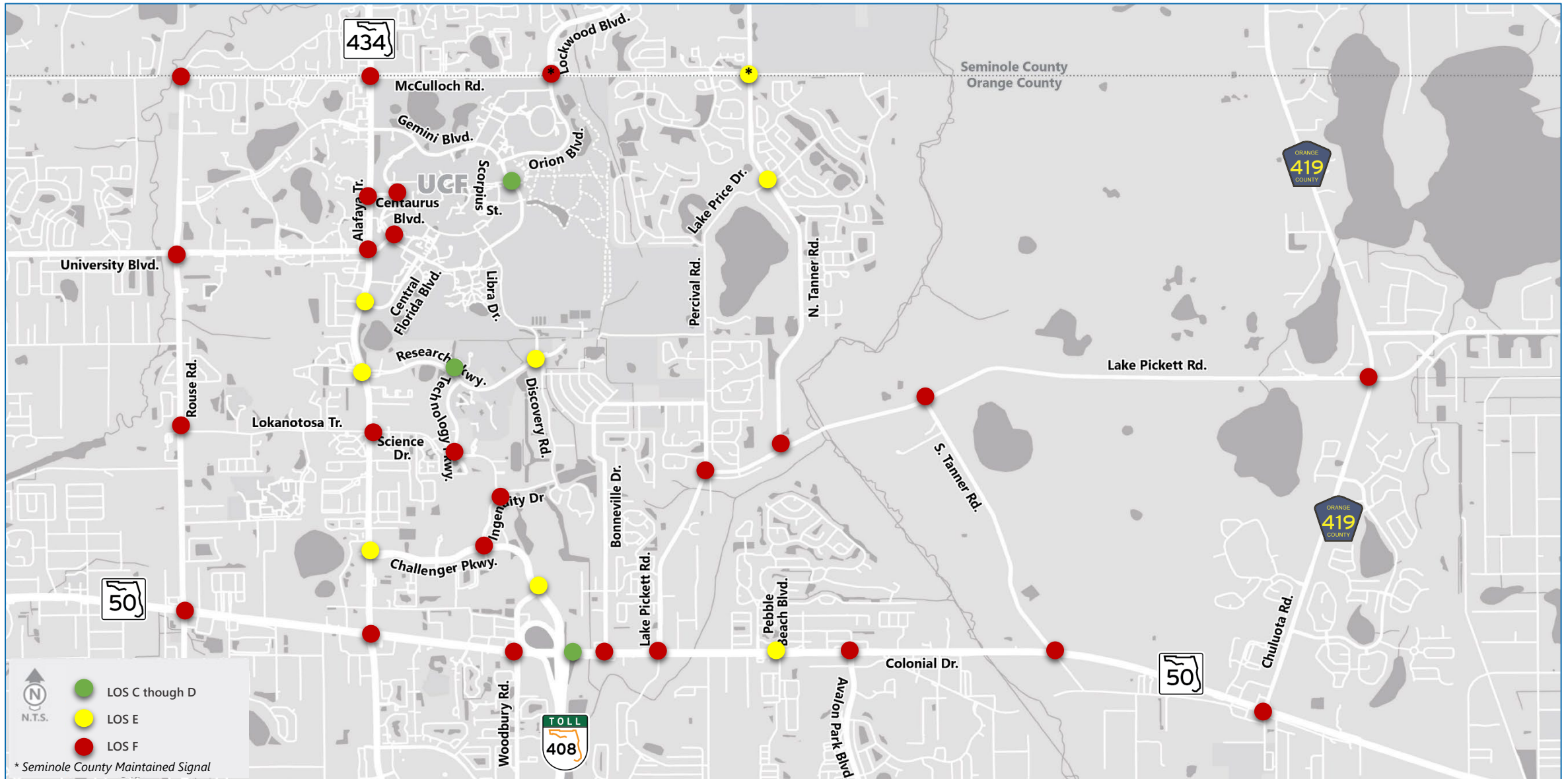


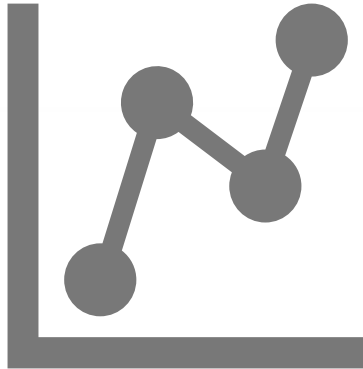
Existing Traffic Conditions – Intersections





2045 No Build Conditions – Intersections





**Recommended
Improvements**



CAV Impacts for 2045

Highway Capacity Manual (7th Edition)

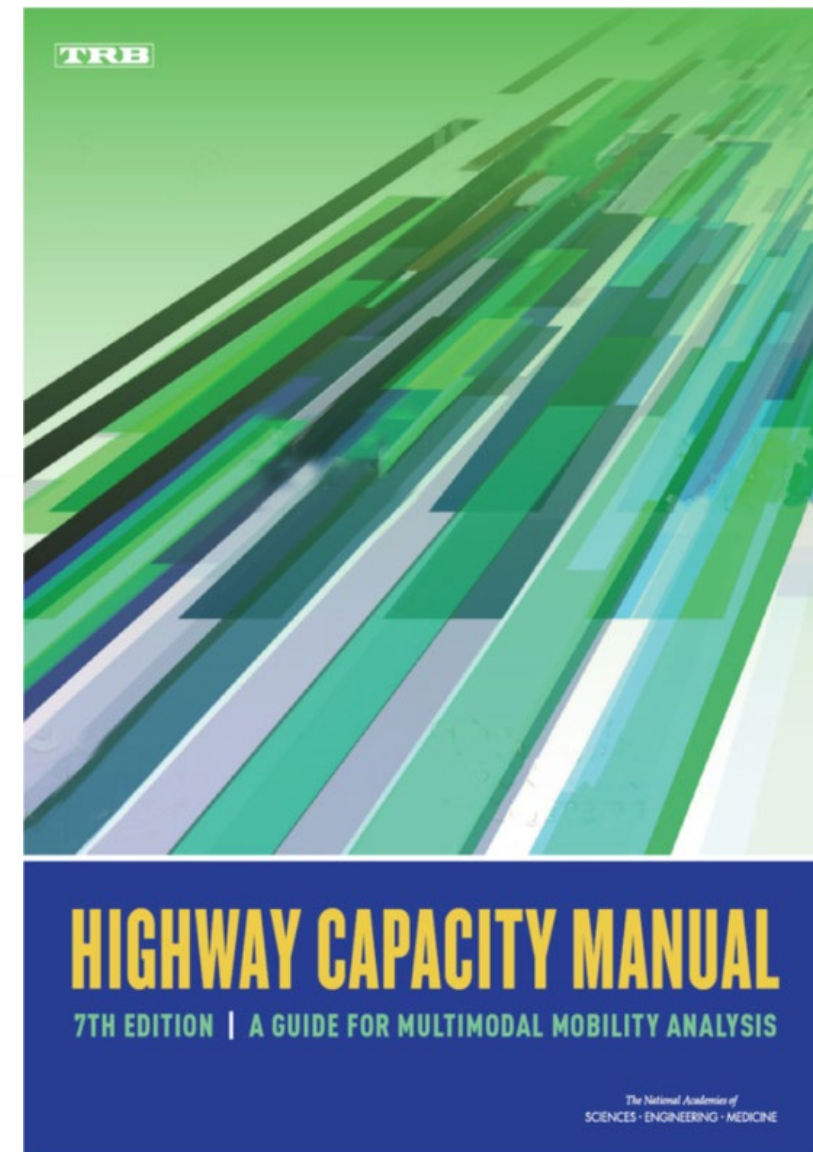
- CAV adjustments for 2045 traffic conditions
- For through movements
- 33% of CAVs in traffic stream
 - Approximately 10% increase in capacity (Base Saturation Flow Rate)

Exhibit 31-64: Base Saturation Flow Rates for CAVs for Through Movements at Signalized Intersections

Proportion of CAVs in Traffic Stream	Base Saturation Flow Rate (pc/h/ln)
0	1,900
20	2,000
40	2,150
60	2,250
80	2,550
100	2,900

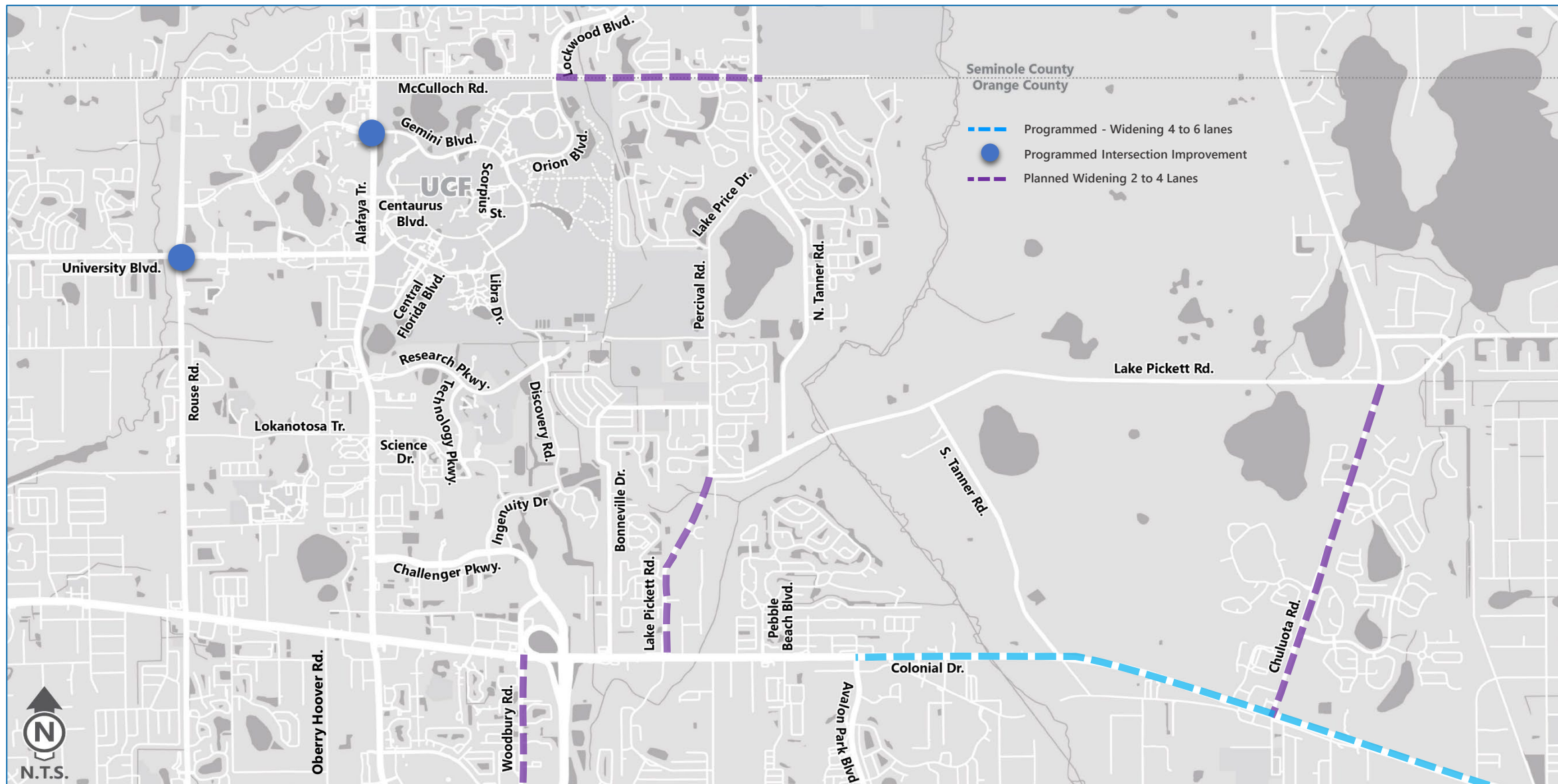
Notes: CAV = connected and automated vehicle, defined here as a vehicle with an operating cooperative adaptive cruise control system.

Assumes no interaction with non-motorized road users, no adverse weather impacts, and a facility without driveways or access points impacting saturation flow rates. Interpolate for other CAV proportions.



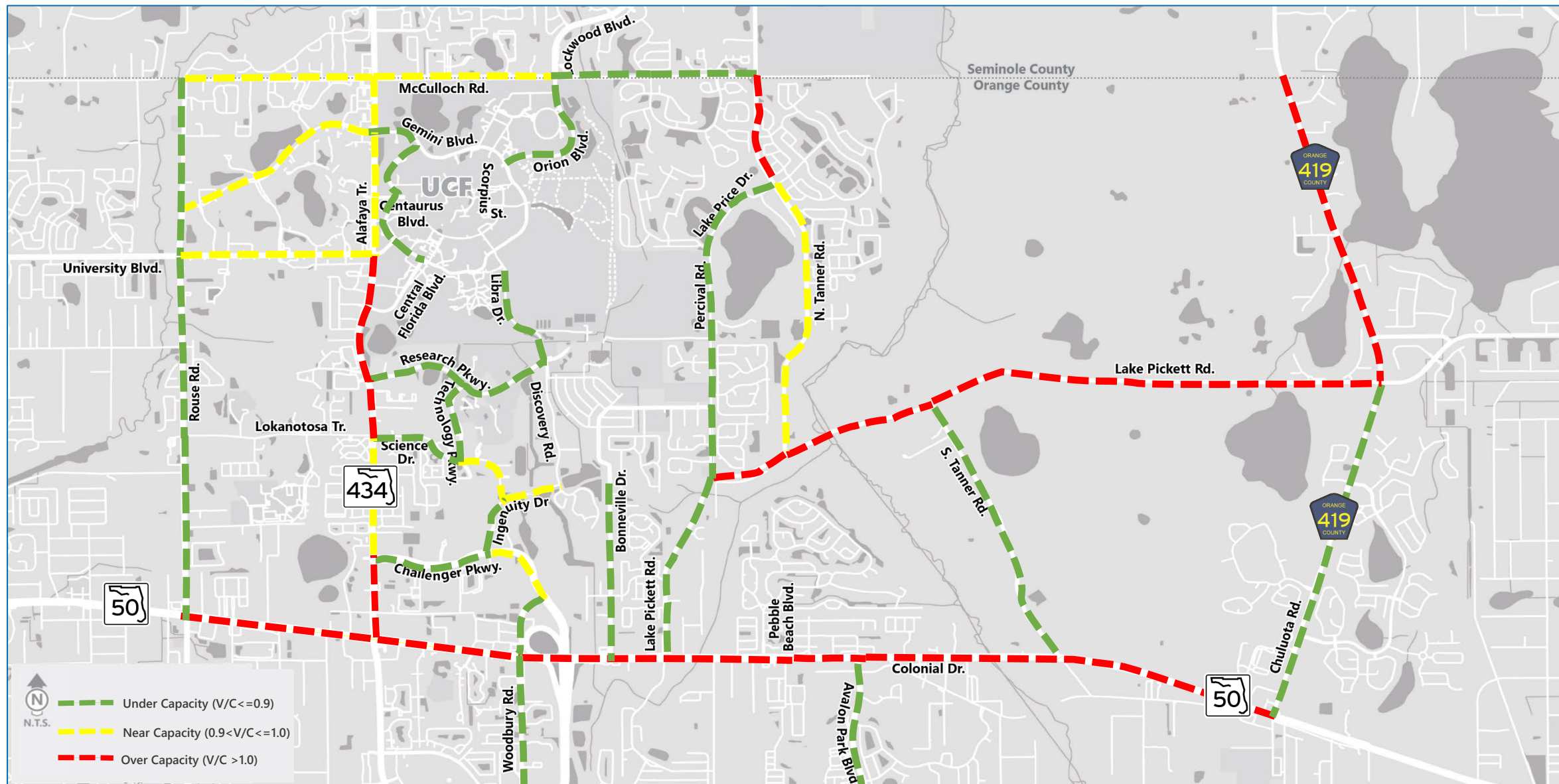


Programmed/Planned Improvements



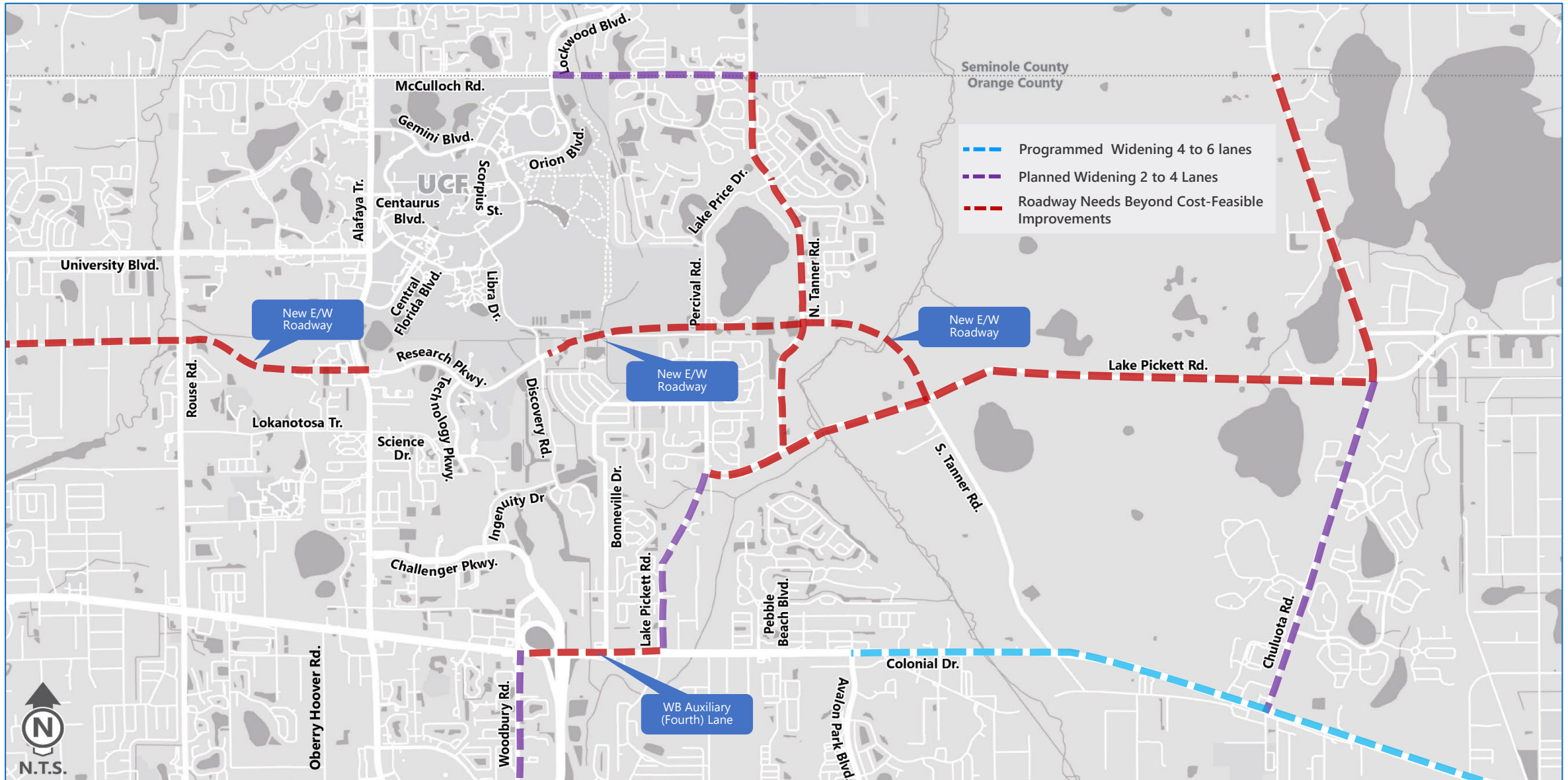


2045 Build Traffic Conditions – Roadway Segments (With Planned/Programmed Improvements)

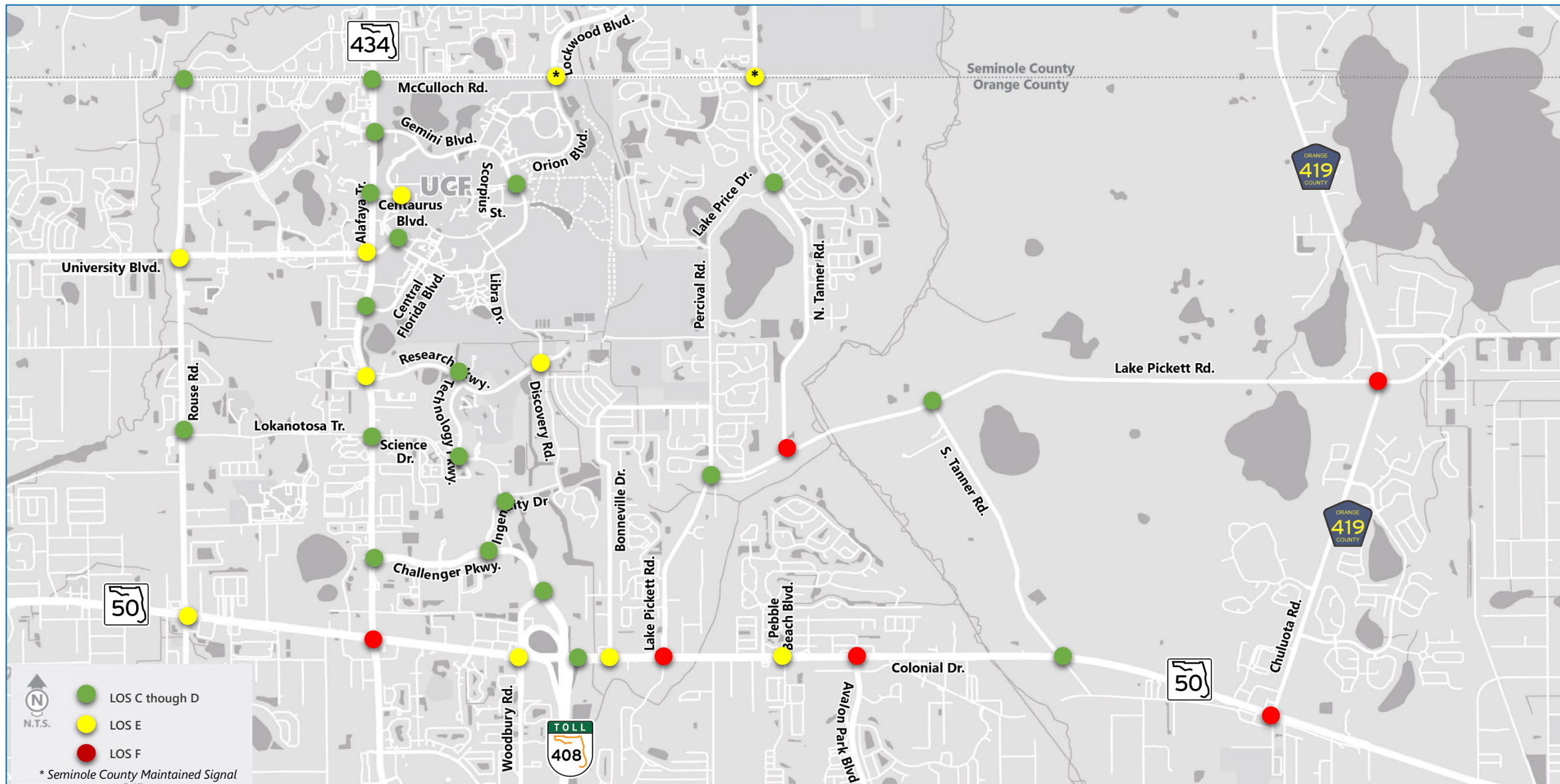




Roadway Needs



2045 Build Traffic Conditions – Intersections (With Planned/Programmed Improvements)

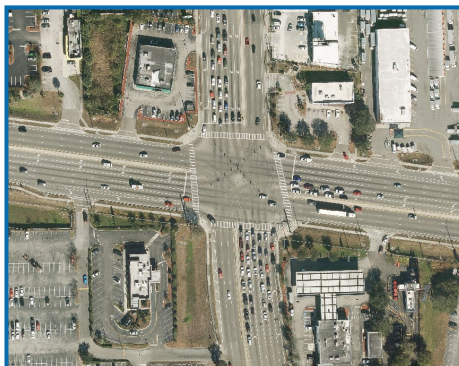




Traditional/Innovative Intersection Improvements

Anticipated Safety Benefits

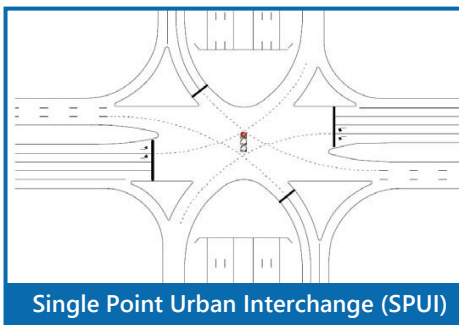
- Permissive to protected left turns
 - **6%** reduction in all crashes
- Exclusive right turn lane
 - **11%** reduction in all crash types
- Additional left turn lane
 - **4%** reduction in all crash types
- Roundabout
 - **90%** fewer fatalities/75% fewer injuries
 - **10-40%** fewer pedestrian/bicycle crashes
- Traffic signal
 - **23%** fewer crashes versus a stop-controlled intersection
- RCUT
 - **20%** fewer crashes versus to a traditional intersection
- DLT
 - **12%** fewer crashes compared to a stop-controlled intersection



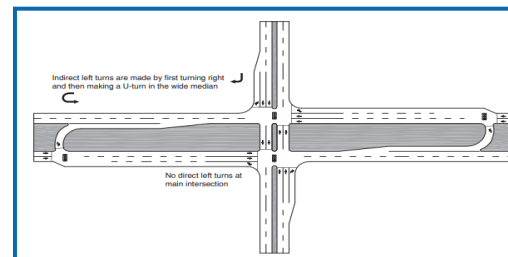
Example Turn Lanes at an Intersection



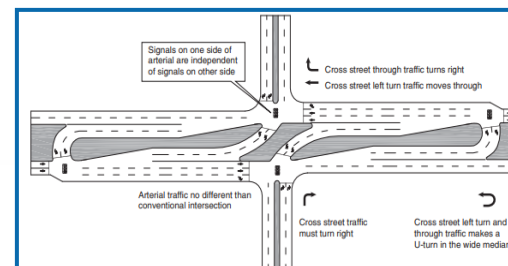
Flashing Yellow Left-turn Signal



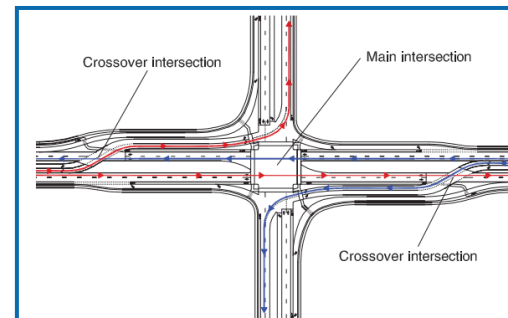
Single Point Urban Interchange (SPUI)



Median U-turn Intersection (MUT)

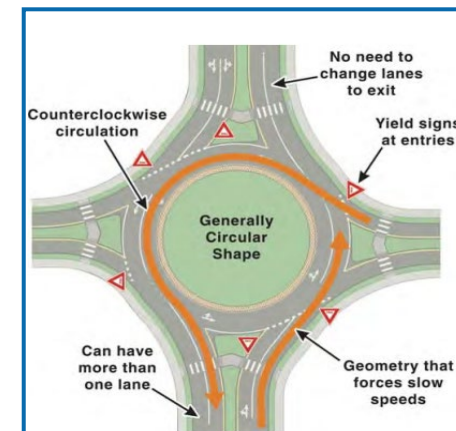


Restricted Crossing U-turn Intersection (RCUT)

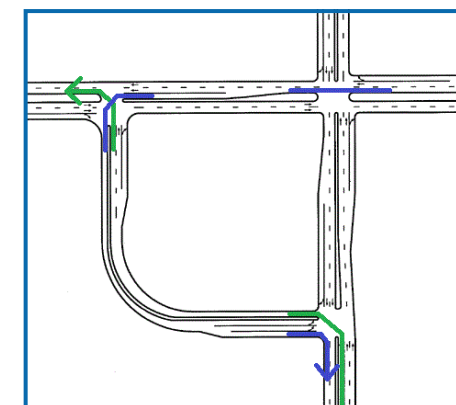


Displaced Left-turn Intersection (DLT)

Source: FHWA



Roundabout

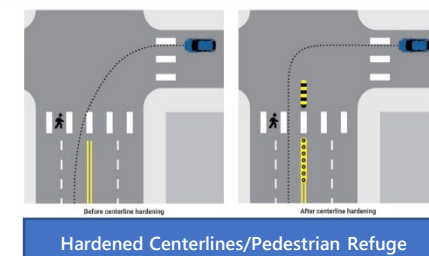
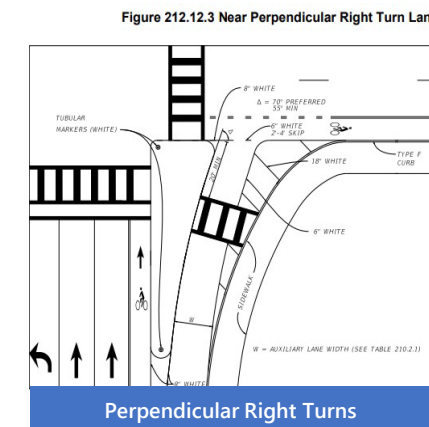
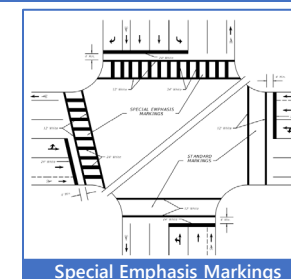
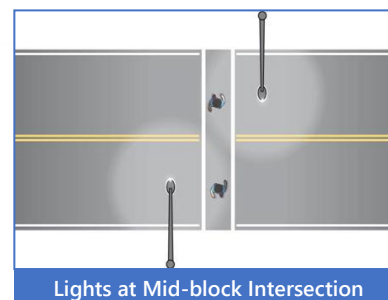


Quadrant Roadway Intersection (QRI)



Anticipated Safety Benefits

- Retroreflective back plates to signal heads
 - **15%** reduction in all crashes
- Hardened centerlines/pedestrian refuge
 - **32%** reduction in all pedestrian/vehicle crashes
- High-friction surface treatment
 - **58%** reduction in wet weather crashes
- High emphasis crosswalks
 - **40%** reduction in pedestrian-related crashes
- Lighting improvements
 - **38-42%** reduction pedestrian/vehicle crashes
- Advance traffic signs
 - **20%** reduction in rear-end & sideswipe crashes
- HAWK/Pedestrian Hybrid Beacon
 - **57%** reduction in pedestrian/vehicle crashes
- Detectable warning surfaces on curb ramps
 - Improves pedestrian/bicycle safety
- Tighten corner radii
 - Improves pedestrian/bicycle safety





Agenda



Example Intersection Improvements



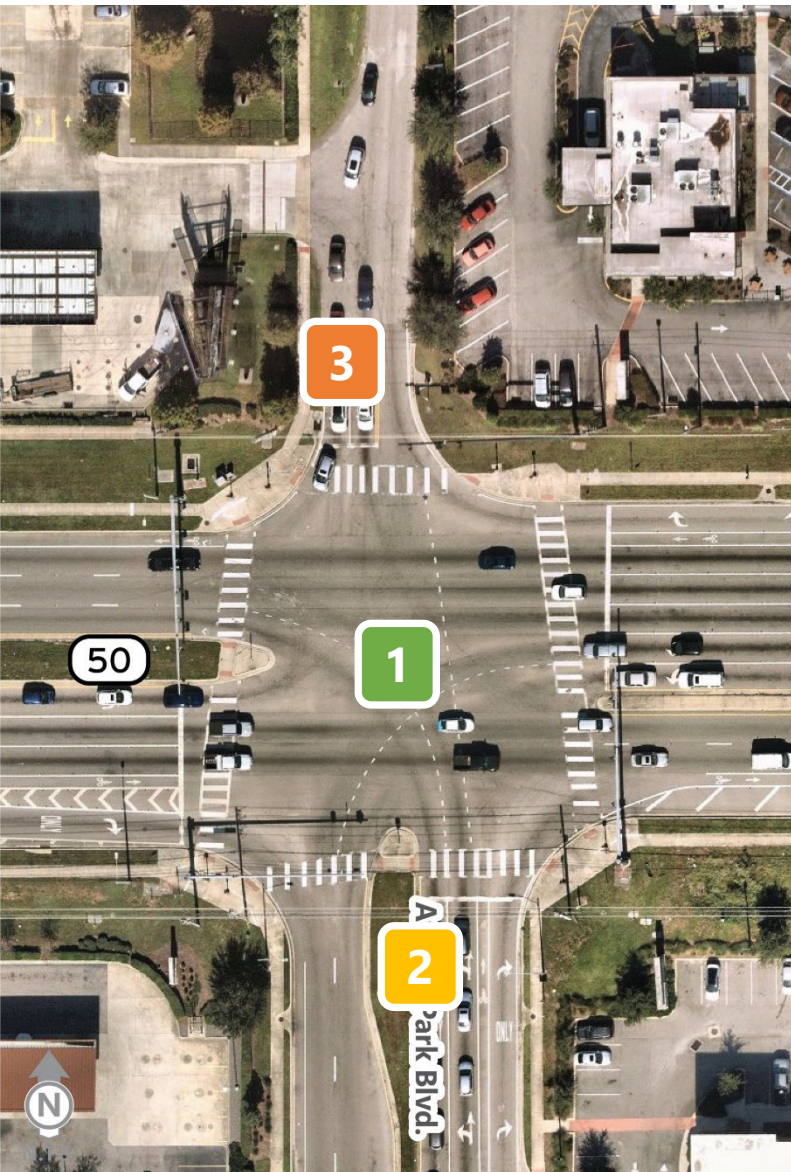
Alafaya Tr & University Blvd Intersection Improvements



Period	Intersection Improvements	Safety/ADA/ Multimodal Improvements
Short-term Improvements	1 – EB Right Turn Overlap 2 – UCF Pedestrian Safety Study Improvements	<ul style="list-style-type: none">▪ Evaluate intersection lighting to meet FDOT guidelines▪ Add retroreflective back plates to signal heads▪ Provide special emphasis crosswalk markings▪ Reduce curb radii on all intersection corners▪ Install wayfinding signs providing directions to major destinations▪ Consider providing a supplemental signal head for westbound traffic to mitigate horizontal curvature and obscured sight lines of signal heads▪ Consider adding a Leading Pedestrian Interval and blank-out yield to pedestrian signs for all right turns at intersection
Mid-term Improvements	3 – Third NB Left Turn Lane	
Long-term Improvements	4 – Third EB Left Turn Lane (or) 5 - Partial Displaced Left Turn Intersection	



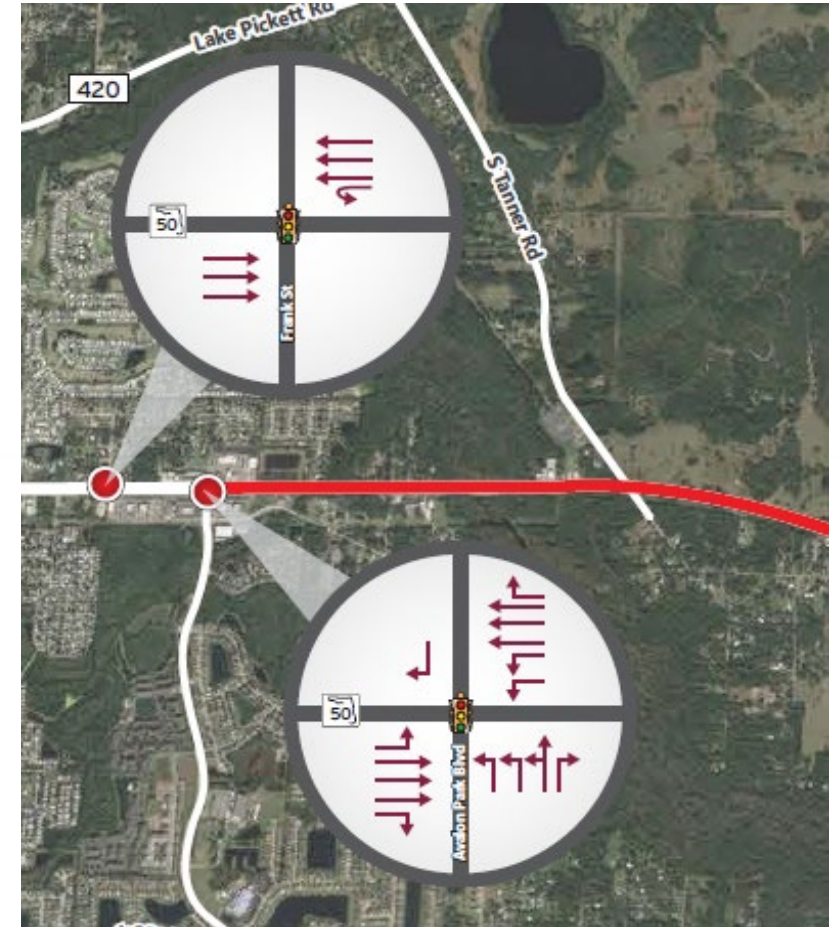
SR 50 & Avalon Park Blvd Intersection Improvements



Period	Intersection Improvements	Safety/ADA/ Multimodal Improvements
Short-term Improvements	1 - Adaptive Signal Control	<ul style="list-style-type: none">▪ Reduce corner radii or consider installing channelizing corner islands with near perpendicular right turn lane design and truck aprons on the southwest and southeast intersection corners▪ Provide curb extension on EB departure leg▪ Upgrade intersection lighting to meet FDOT guidelines
Mid-term Improvements	2 – Third NB Left Turn Lane	
Long-term Improvements	3 – Convert SB Approach to Right-out Only & Provide U-turn West of this Intersection	

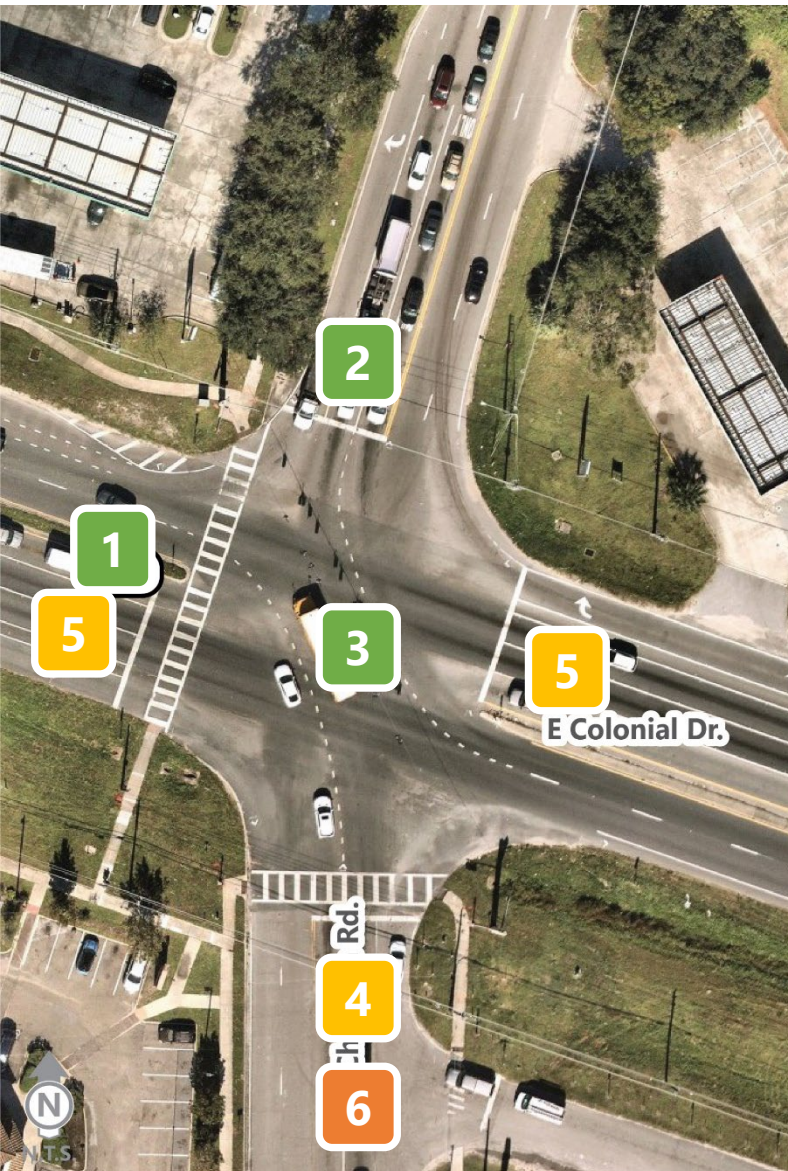


SR 50 & Avalon Park Blvd Intersection Improvements





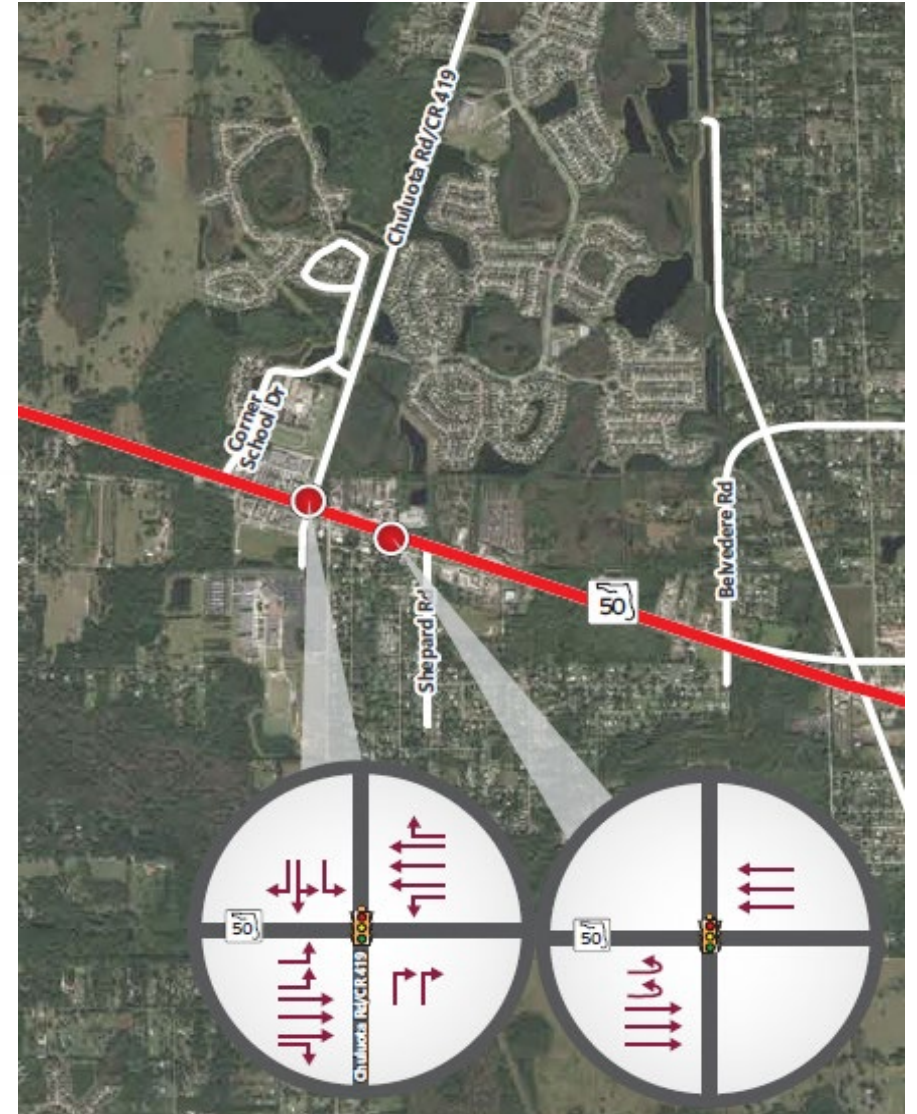
SR 50 & Chuluota Rd Intersection Improvements



Period	Intersection Improvements	Safety/ADA/ Multimodal Improvements
Short-term Improvements	1 - Second EB Left Turn Lane 2 - Change SB Approach to 2 SB Lefts, 1 SB Through and 1 SB Right 3- Adaptive Signal Control	<ul style="list-style-type: none">▪ Evaluate intersection lighting to meet FDOT guidelines▪ Provide lane-line extensions to guide travel along the curved alignments through the intersection on both the SR 50 and Chuluota Rd approaches▪ Revise strain pole configuration to improve signal head placement and visibility▪ Reduce corner radii on the northwest and southeast intersection corners or provide corner islands with near-perpendicular right turn lane design▪ Add retroreflective back plates to signal heads▪ Consider crosswalks on the north and east legs and fill the sidewalk gap to the Gas Station driveway
Mid-term Improvements	4 – Change NB Approach to 2 NB Lefts and 1 SB Through-Right Turn Lane 5 – Six Lanes on SR 50	
Long-term Improvements	6 – Convert NB Approach to Right-out Only & Provide U-turn East of this Intersection	



SR 50 & Chuluota Rd Intersection Improvements





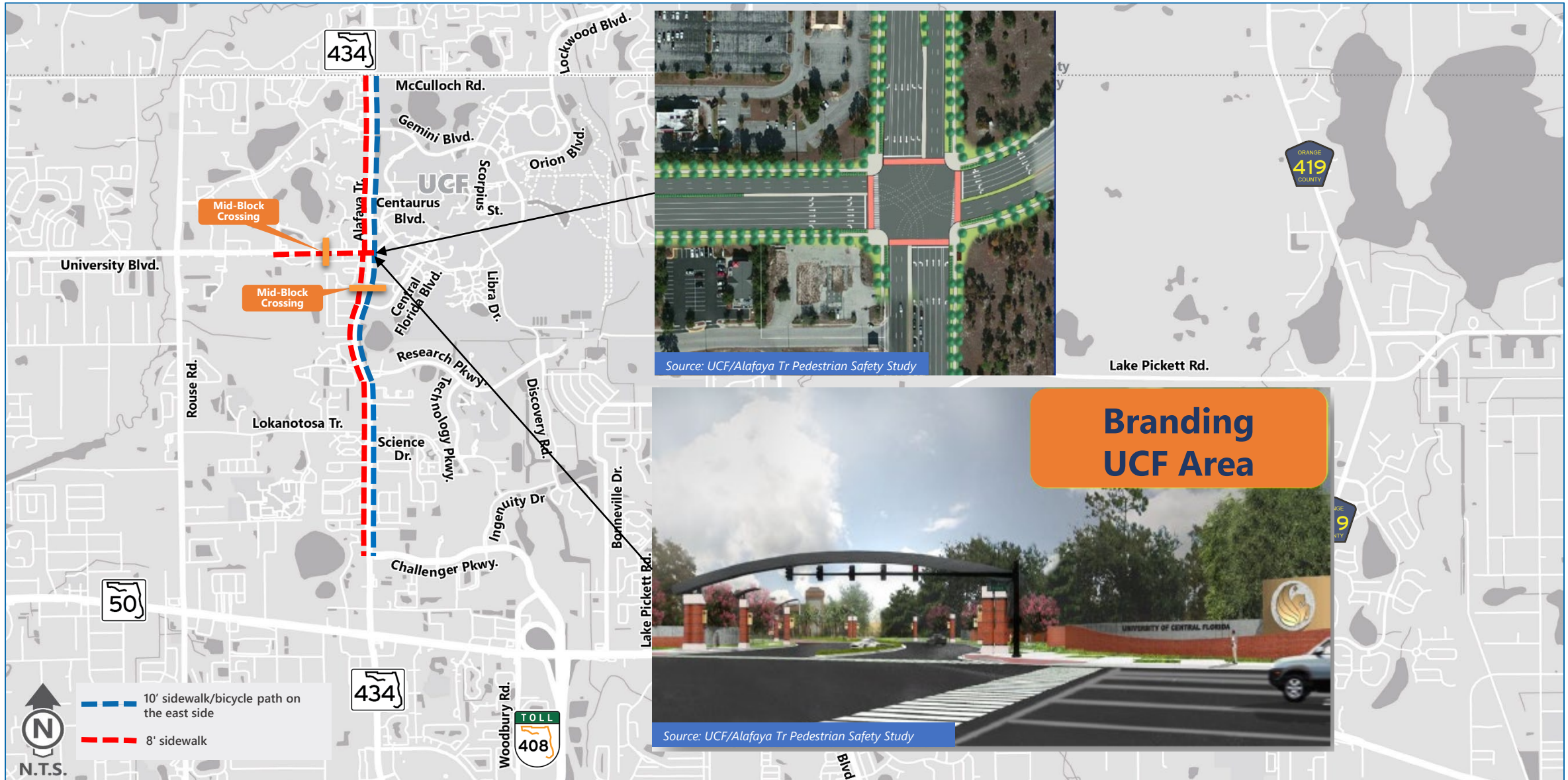
Agenda



Multimodal Improvements

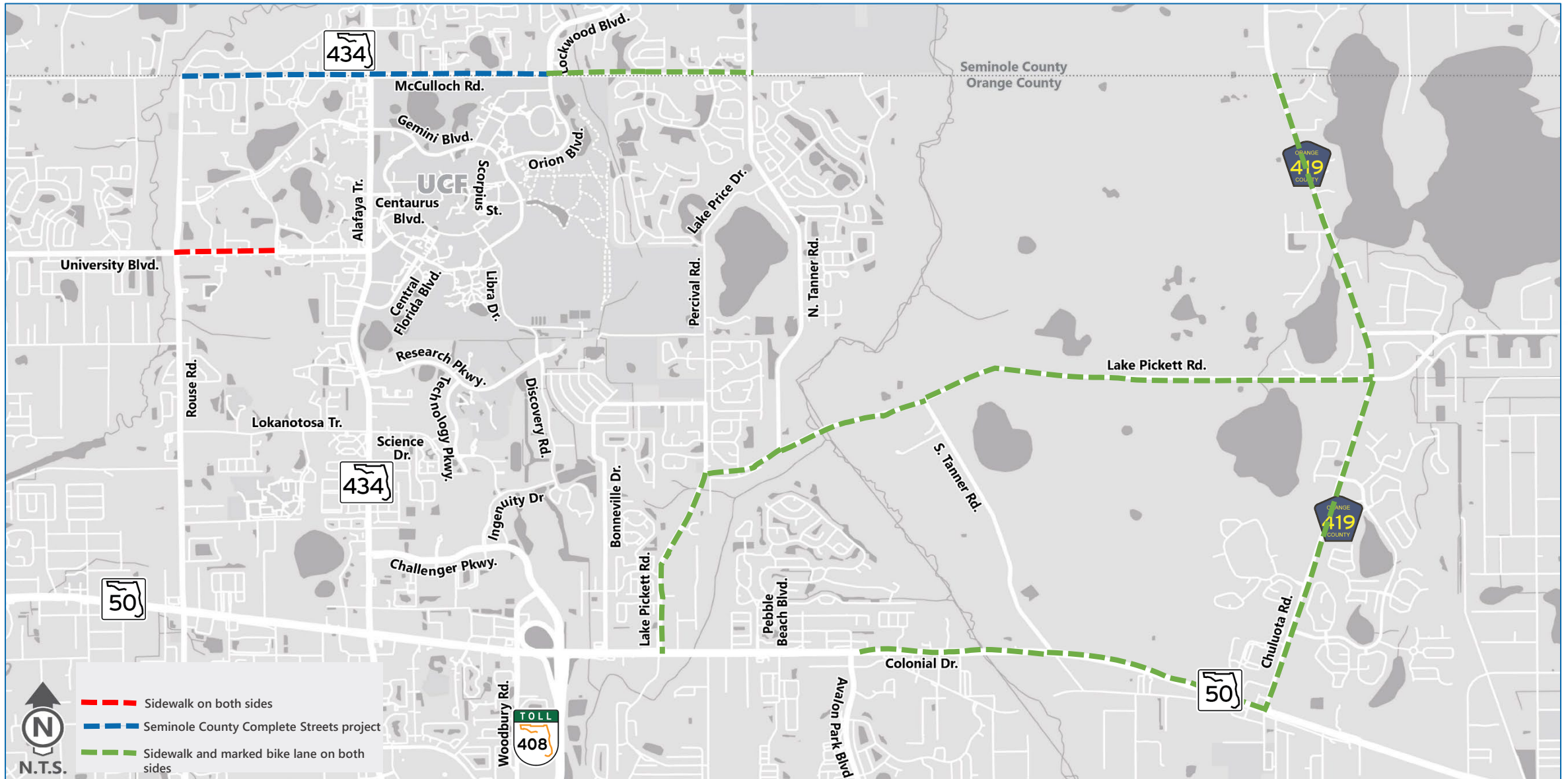


Pedestrian/Bicycle Facilities – Programmed Improvements



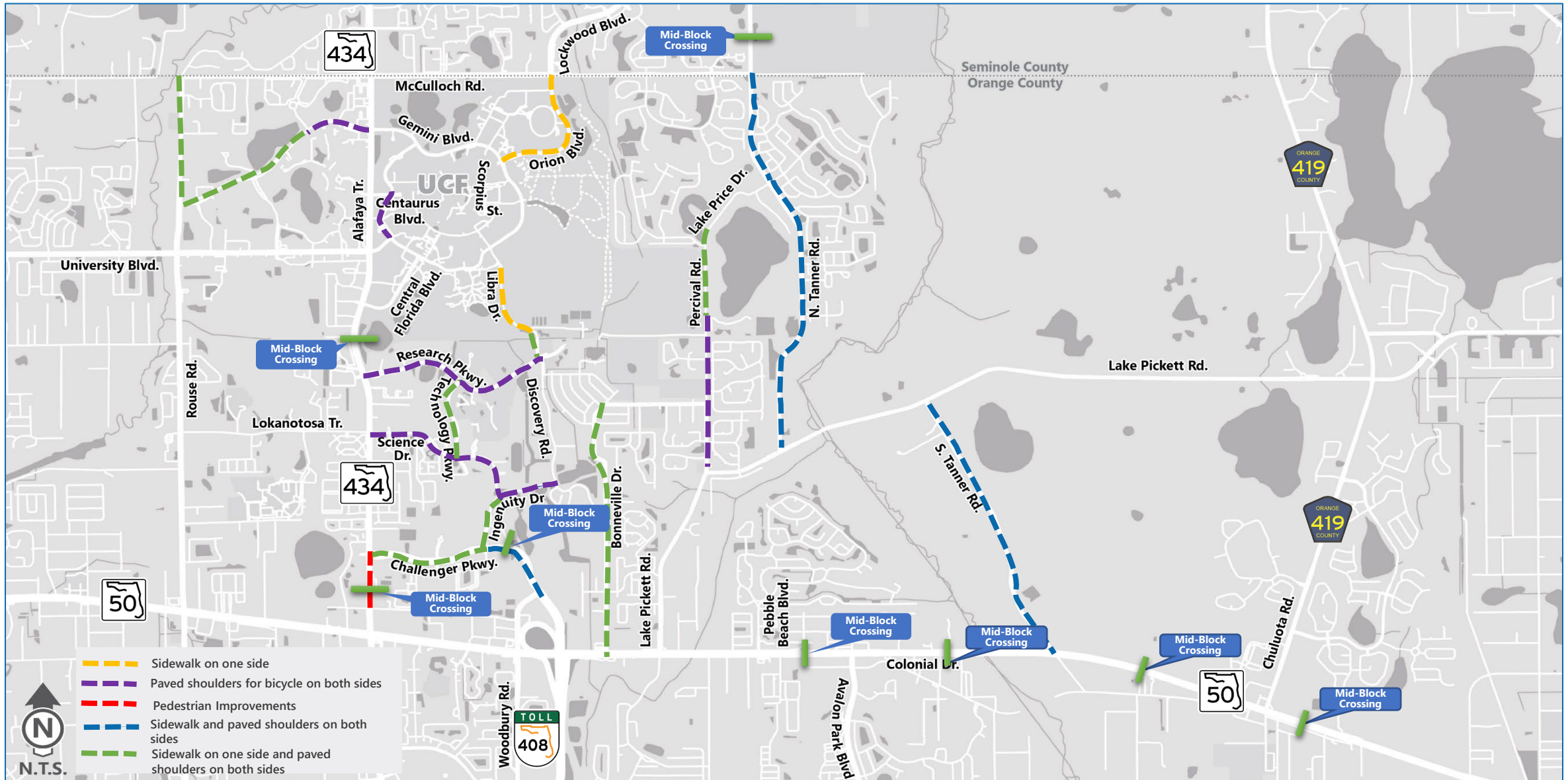


Pedestrian/Bicycle Facilities – Planned Improvements



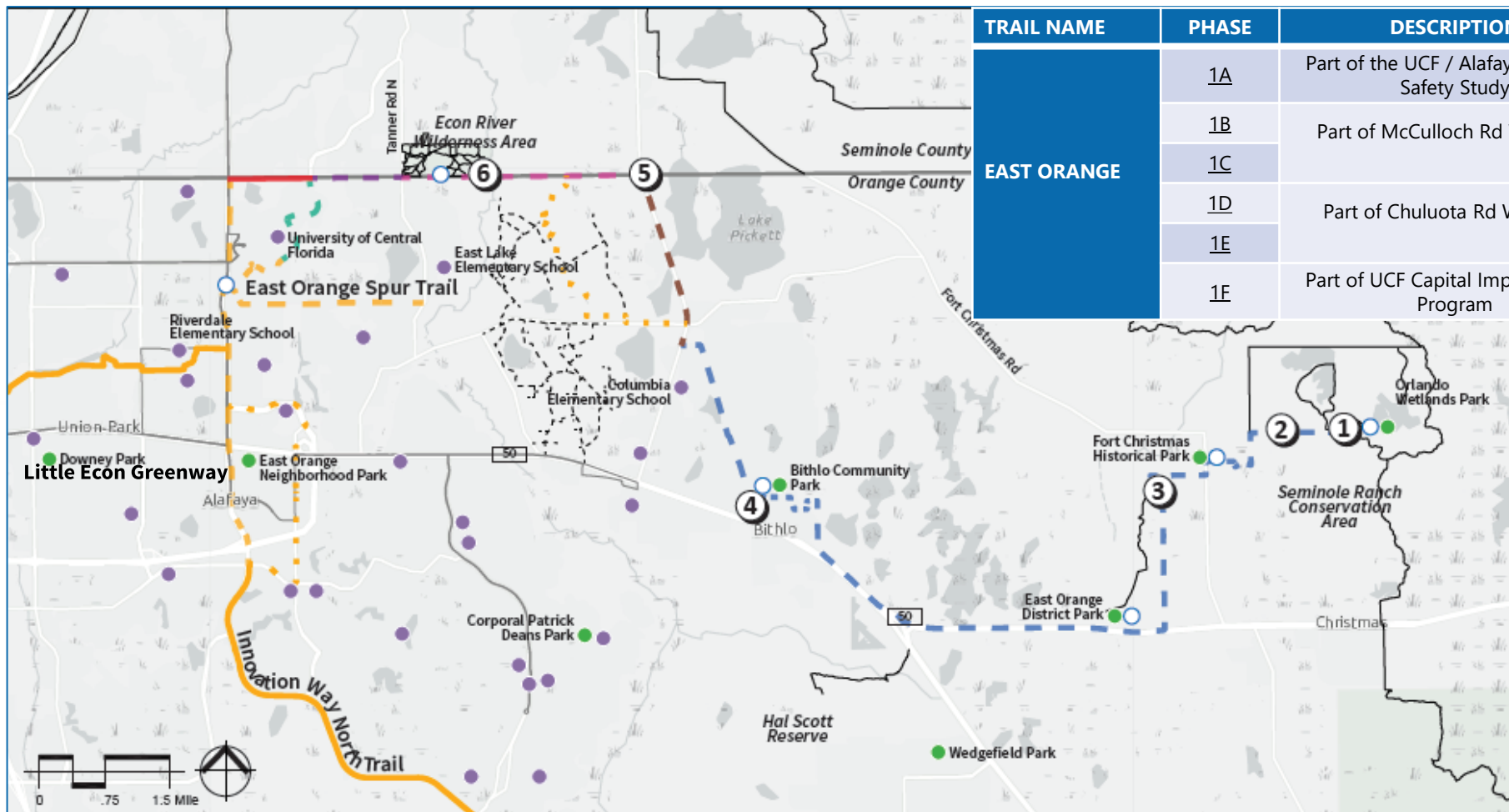


Pedestrian/Bicycle Needs





Planned Trail Improvements



TRAIL NAME	PHASE	DESCRIPTION	FROM	TO
EAST ORANGE	1A	Part of the UCF / Alafaya Bike Ped Safety Study	N Alafaya Tr	Orion Blvd
	1B	Part of McCulloch Rd Widening	Orion Blvd	N Tanner Rd
	1C		N Tanner Rd	Chuluota Rd
	1D	Part of Chuluota Rd Widening	Chuluota Rd	Lake Pickett Rd
	1E		Lake Pickett Rd	Fort Christmas Park
	1F	Part of UCF Capital Improvements Program	N Alafaya Tr	McCulloch Rd

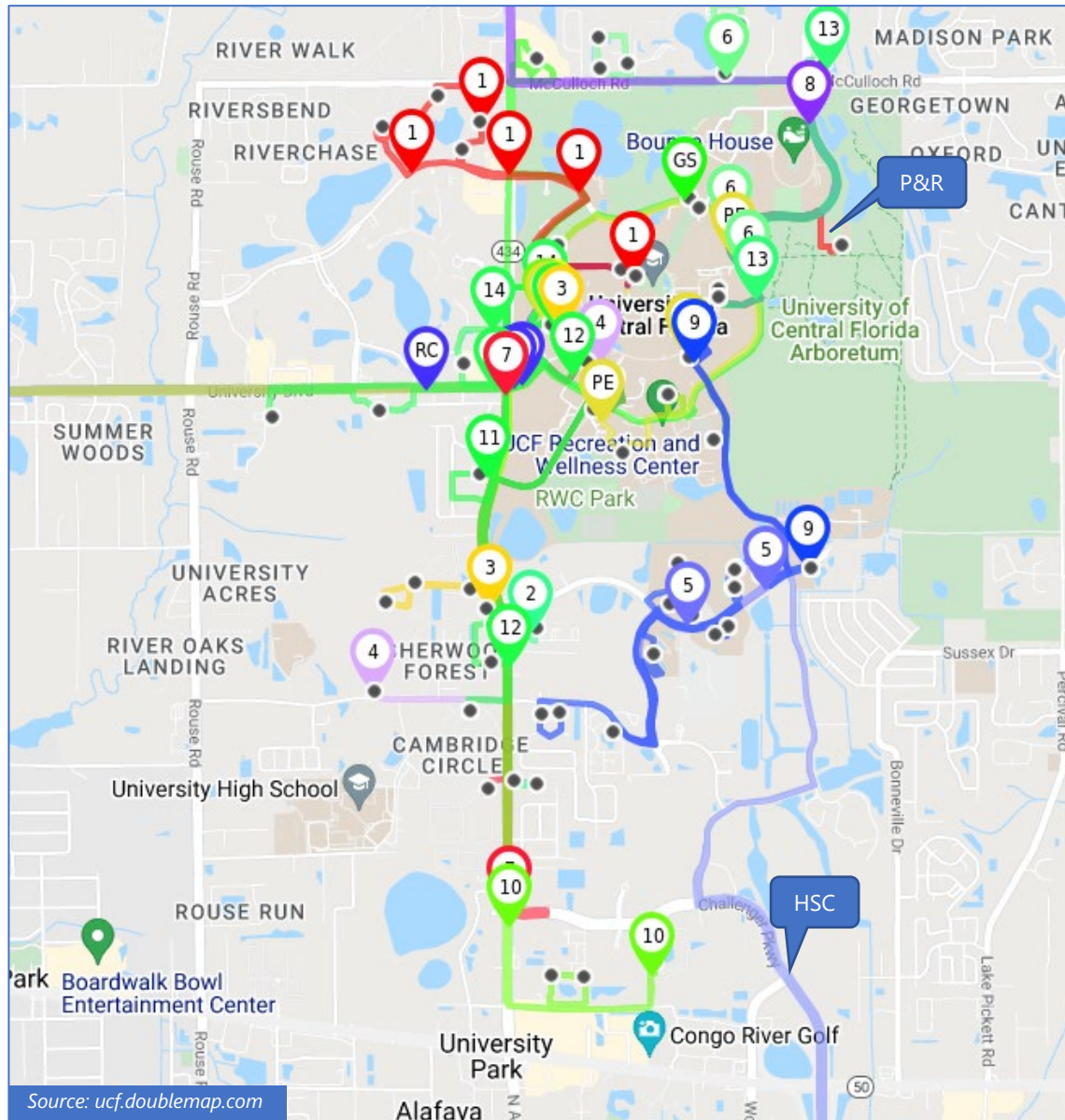
Legend

- East Orange Trail - Phase 1A (Complete)
- East Orange Trail - Phase 1B
- East Orange Trail - Phase 1C
- East Orange Trail - Phase 1D
- East Orange Trail - Phase 1E
- East Orange Trail - Phase 1F
- East Orange Trail Potential Alternative Route
- Existing Orange County Trail
- Proposed Orange County Trail
- Potential Alternative Route
- Existing Trail (not maintained by Orange County)
- Proposed Trail (not maintained by Orange County)
- LYNX Transit Routes
- Schools
- Parks
- Potential Trailhead

TRAIL NAME	PHASE	DESCRIPTION	FROM	TO
INNOVATION WAY NORTH	1A	Part of UCF/Alafaya Tr Ped Safety Study	McCulloch Rd	Challenger Pkwy
	1B		Challenger Pkwy	Lake Underhill Rd



Existing Transit - UCF



Source: ucf.doublemap.com

Legend

DT Grocery Shuttle
GS – Grocery Shuttle
HSC – Health Sciences Campus
PE – On-Campus Pegasus Express
P&R – Park and Ride Shuttle
RC – Rosen College Shuttle
UCF – UCF Downtown
1 - Knights Circle
2 – College

Station/Boardwalk
3 - The Verge/The Palace at Alafaya
4 - Mercury 3100/Campus Crossings
5 - Village of Science Drive
6 - Northgate Lakes/Tivoli
7 - The Pointe at Central
8 - Riverwind at Alafaya/The Station
9 - Knights Landing/Research Park

10 - The Lofts/Orion on Orpington
11 - The Aves @ Twelve100
12 - Lark Central Florida
13 - NorthView
14 - Plaza on University
15 - Collegiate Village Inn / Arden Villas



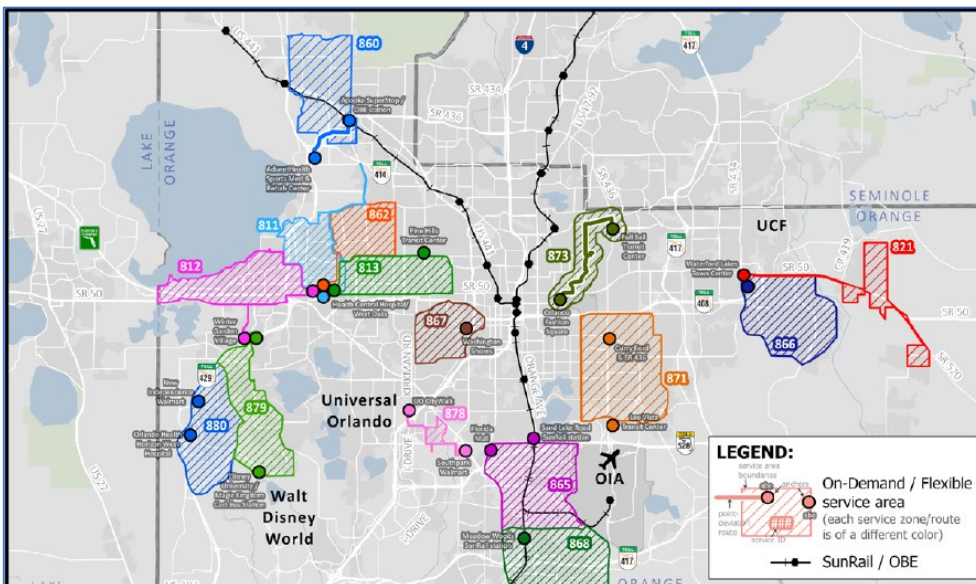
Source: <https://parking.ucf.edu/shuttles/>



Planned Transit Improvements - LYNX

Orange County Transit Plan – Enhanced Service

- Enhanced service in existing zones (Curb to Curb)
- 11 New Enhanced On-Demand/Flexible Routes/Zones
 - Bithlo NeighborLink
 - Waterford Lakes/Avalon Park Neighbor Link
- Four Express Routes
 - Increased frequencies/Connections to Rail Station & transfer centers
- BRT Corridor between Ocoee and UCF
 - 20-30 minute frequency
- UCF to Oviedo via Lockwood Blvd



Network On-Demand/Flexible Services
(source: Orange County Transit Plan, LYNX, March 2022)

Route Number	Route Name	Frequency (Weekday)
Planned Routes (Future Condition)		
104	SR 50 UCF-Downtown	20-30 min
204	SR 50 Limited Stop	20 min
308	UCF-Downtown Regional Express	30 min
311B	UCF-Medical City/Lake Nona - Meadowoods Regional Express	30 min
401A	Waterford Lakes Commuter Express	30 min
401B	Waterford Lakes Commuter Express (Pattern of 401A)	30 min
506	Lake Underhill-UCF	30 min
522	UCF-SR 436/Aloma	30 min
600B	Red Bug Lake/Alafaya	60 min
601	Oviedo/Lockwood	60 min
821	Bithlo NeighborLink (On-Demand/Flex-Route Hybrid)	Flexible (30 min)
866	Waterford Lakes/Avalon Park (On-Demand/Flex Zone)	Flexible (30 min)

Source: Orange County Transit Plan, LYNX, March 2022



SR 50 Bus Rapid Transit [BRT] Corridor

- Recommended as part of 2013 SR 50/UCF Connector Alternatives Analysis
- Bus Stations in NEOCATS Area
 - Alafaya Tr and Lokanotosa Tr
 - Alafaya Tr and SR 50
- Transit Signal Priority (TSP) recommended for the entire BRT

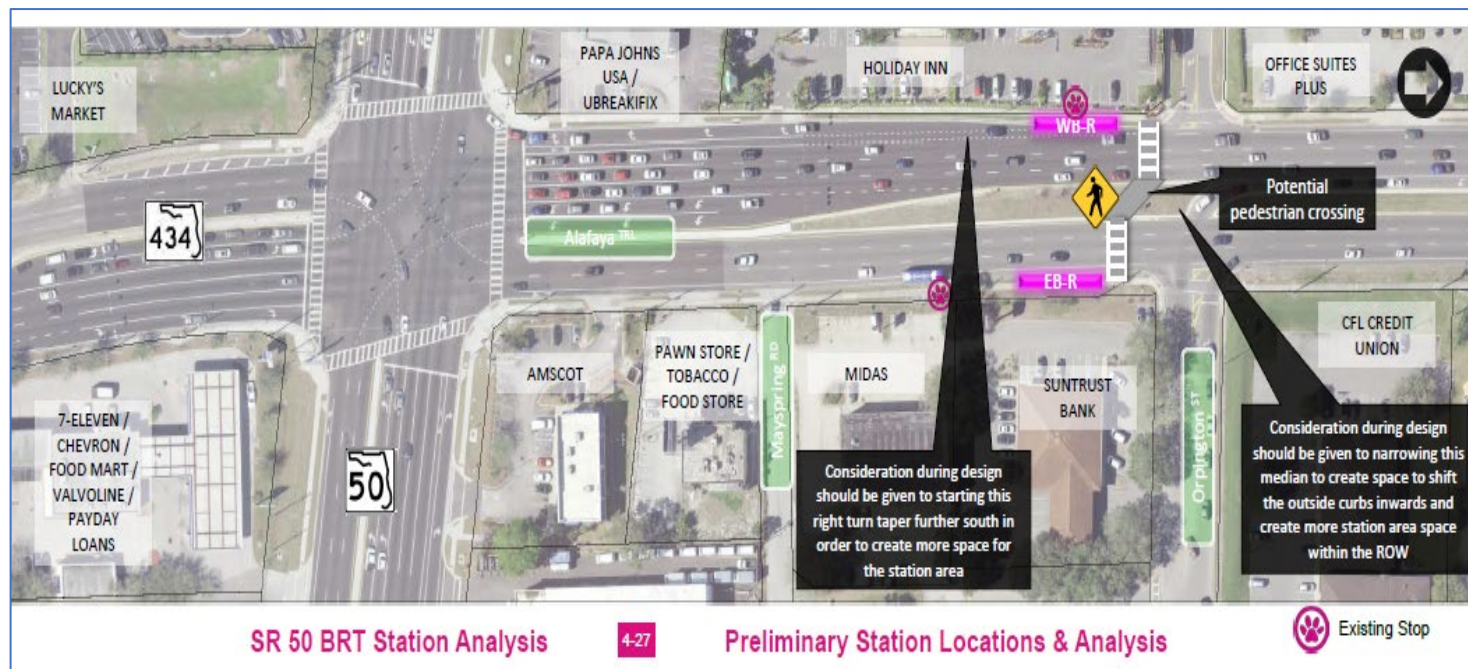
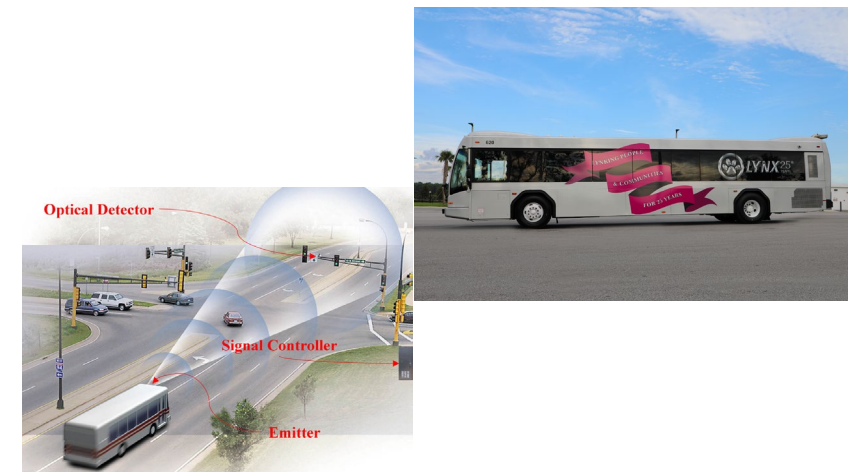
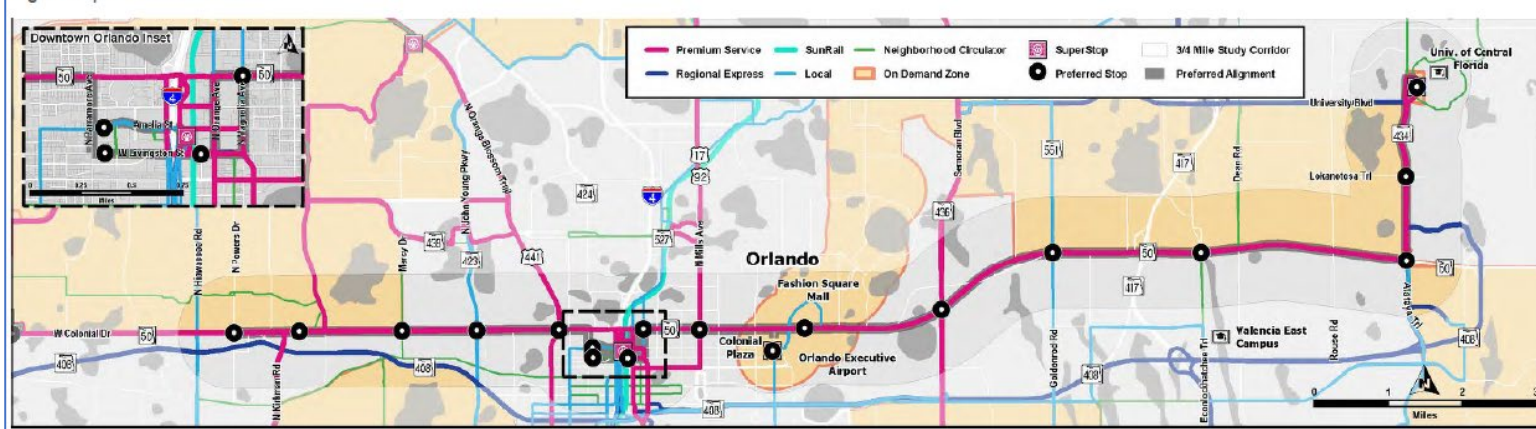


Figure 15 |Future LYNX Network





Travel Demand Management (TDM) Strategies

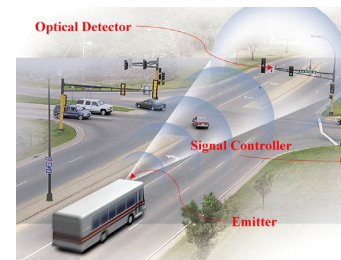
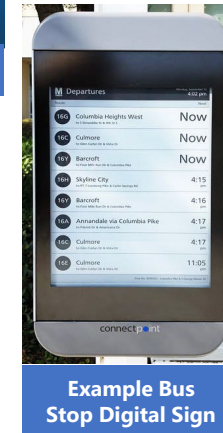
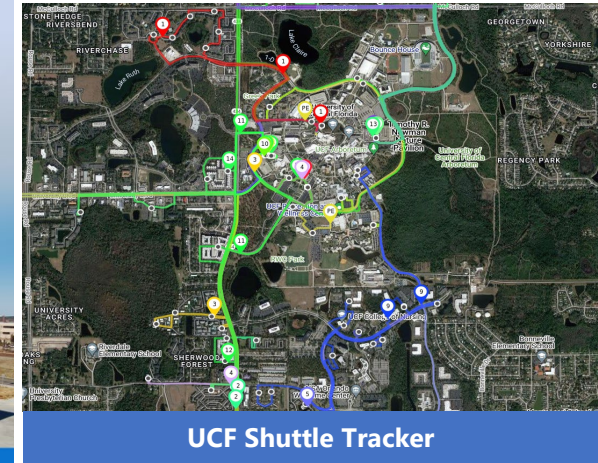
- New NeighborLinks (Expansion Area/On-Demand)
- Transportation Management Organization (TMO)
- Transit Marketing, Real-Time Information, and Wayfinding
- Special Transit Benefits Zone
- Active Transportation Commuter Stations
- Dedicated Traffic Safety Instructor
- Mobility Hub (UCF SuperStop) and Facility Enhancement
- Express Bus Service and New Park & Ride Lots (TSP/Queue Jumps)

**Anticipated Vehicle Trip Reduction
5-15% for NEOCATS**

National Evidence on TDM Program Impacts Vehicle Trip Reduction from Background Conditions

TDM Program or Strategy	High Transit	Moderate Transit	Low Transit
Support, Promotion, Information	3-5%	1-3%	<1%
Alternative Commute Services	5-10%	5-10%	1-3%
Financial Incentives	10-20%	5-15%	1-5%
Combined Strategies			
With Free Parking	15-20%	10-15%	3-7%
With Paid Parking	25-30%	15-20%	N/A

Source: Cambridge Systematics, 2010 (Fairfax County, VA), FHWA





ITS Improvements/Emerging Technologies



ITS Improvements/Emerging Technologies

Period	ITS Project	Description
Short-term	<ul style="list-style-type: none"> SR 50 Adaptive Signal System (Forsyth Rd to Avalon Park Blvd) 	<ul style="list-style-type: none"> Install an adaptive signal system
	<ul style="list-style-type: none"> Intelligent Transportation Systems/Customer Information Systems/Travel Planning 	<ul style="list-style-type: none"> Test upcoming transit technologies and real time transit dissemination applications
	<ul style="list-style-type: none"> Data Sharing Application 	<ul style="list-style-type: none"> Access real-time information from other agencies (dashboard with performance measures, and tools to measure performance and communicate information)
	<ul style="list-style-type: none"> Active Arterial Management (AAM) 	<ul style="list-style-type: none"> AAM is a collection of strategies for managed corridors and an integrated regional system. Strategies include traveler information, signal timing, and more.
Mid-term	<ul style="list-style-type: none"> Connected Vehicle Pilot Project 	<ul style="list-style-type: none"> Test connected vehicle strategies
	<ul style="list-style-type: none"> UCF - Bicycle and Pedestrian Innovative ITS Solution 	<ul style="list-style-type: none"> Install bicycle and pedestrian ITS technologies
	<ul style="list-style-type: none"> CAV Technology Ready Corridors 	<ul style="list-style-type: none"> Vehicle-to-vehicle (V2V) & Vehicle-to-Infrastructure (V2I), Road-side Units & Communications Infrastructure Congestion alerts, collision avoidance, weather alerts, blind spot alerts, pedestrians nearby etc. Can be combined with adaptive traffic control system
	<ul style="list-style-type: none"> Install speed/volume sensors, Bluetooth devices, and Arterial DMS (ADMS) 	<ul style="list-style-type: none"> Disseminate real-time traffic information, detour routing for incidents, construction & event information Measure near real-time/historic travel time & origin-destination information for performance reporting and optimization



Connected Vehicle Technology (Source: its.dot.gov)



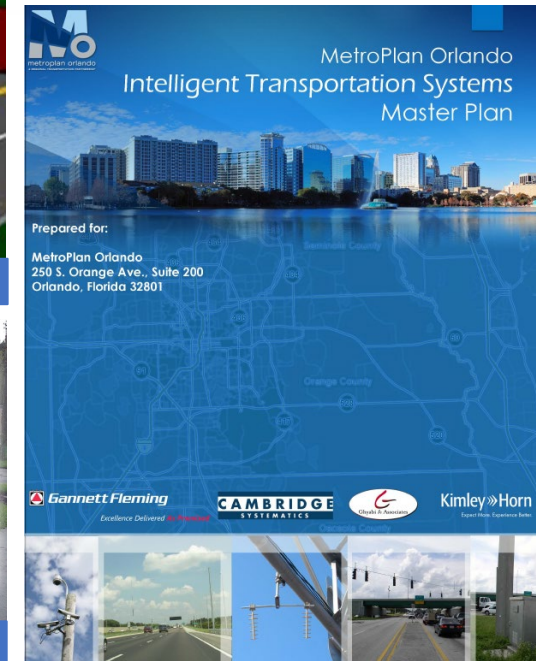
Adaptive Signal System



Enhanced Pedestrian Infrastructure



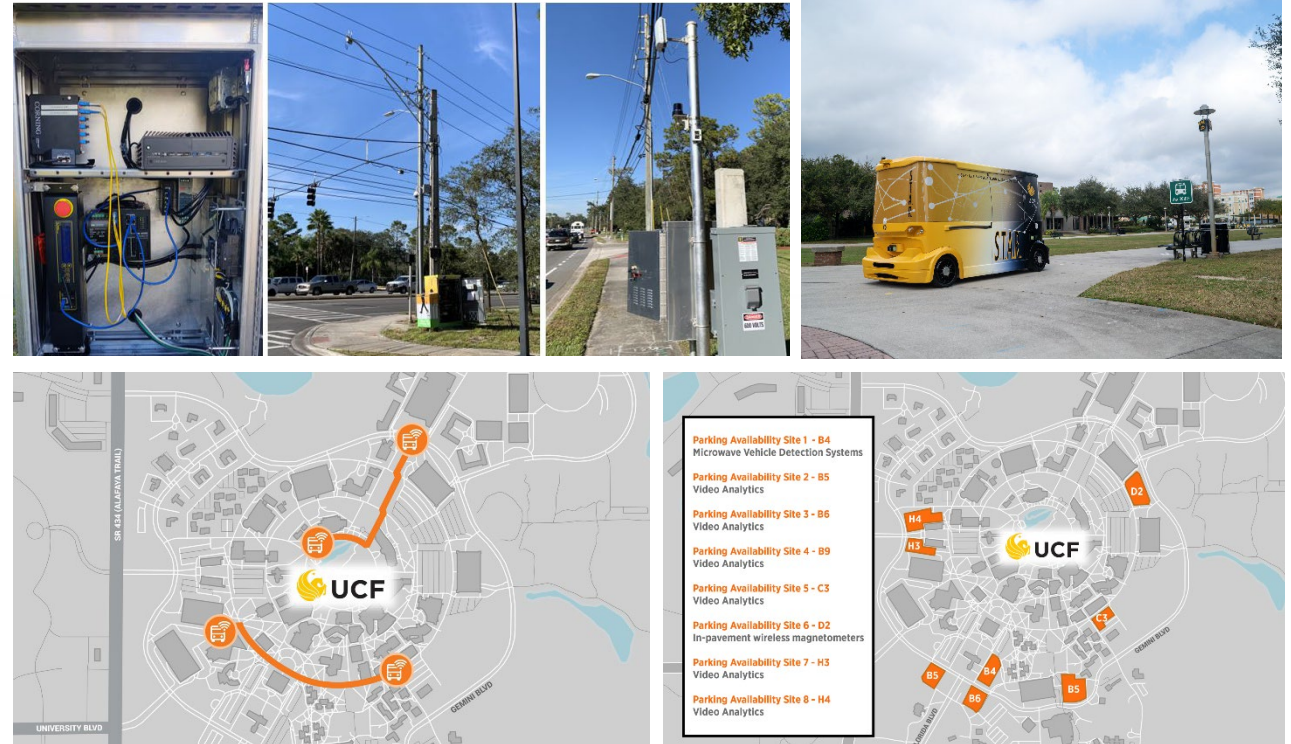
Active Arterial Management





ITS Improvements/ATTAIN Central Florida

- Deploy smart technologies in Central Florida - Four distinct programs
- Funded by FHWA grant and local matching funds
- PedSafe – hardware installations complete
 - Innovative ped/bike collision avoidance system that will operate with CV technologies
 - *Pilot deployment at/between signals on Alafaya Tr adjacent to UCF*
- Greenway - CV Technologies installed at 33 signals (Orange County)
 - Cellular vehicle-to-everything (C-V2X) roadside units (RSU),
 - Emergency vehicle preemption (EVP),
 - Transit signal priority (TSP)
 - Passive pedestrian detection (PPD) technology
 - *Initially will be used by UCF transit /first responder vehicles*
- Smart Community
 - *District's 1st autonomous vehicle (AV) shuttles (2) within UCF*
 - Surface Parking Management
- SunStore – FDOT's Data Storage & Research Sharing Initiative

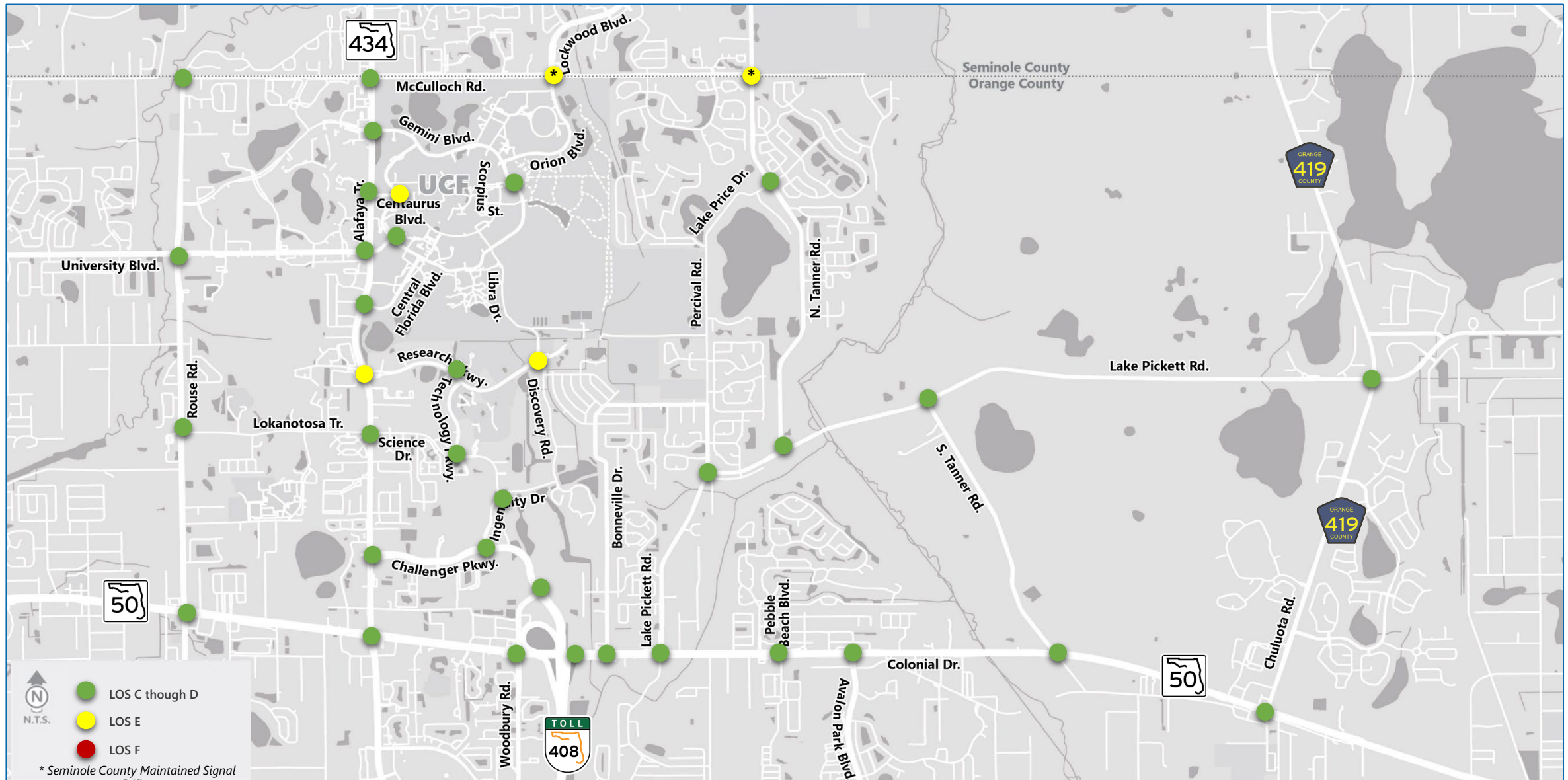


Source: <https://cflsmartroads.com/projects/ATTAIN-CFL.html>





2045 Build Traffic Conditions – Intersections (With Improvements based on Roadway & Intersection Needs)





Study Timeline/ Next Steps



NEOCATS Study Timeline/ Next Steps

Study Schedule	2021							2022						
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Project Kick-off	★													
Community Meetings							👤				👤			
Local Planning Agency (LPA) / Board of County Commissioners (BCC) Workshops & Public Hearings											(To Be Decided)			
Traffic Data Collection & Analysis				🏔️										
Transportation Modeling					🏔️									
Evaluation of Scenarios & Needs Plan										🏔️				
Environmental Conditions									🏔️					
Final Report & Project Wrap-up														🏔️

★ Project Kick-off

👤 Community Meeting

👥 LPA/BCC Hearing

🏔️ Project Milestones



Hatem A. Abou-Senna, PhD., P.E.

Project Manager

Orange County Transportation Planning Division

4200 S. John Young Pkwy.

Orlando, FL. 32839

(407) 836-8023

Babuji Ambikapathy, AICP, P.E.

Consultant Project Manager

225 E. Robinson Street, Suite 300

Landmark Center Two

Orlando, FL 32801-4326

(407) 230-2762



www.neocatstudy.com



@OrangeCoFL



Orange County, Florida Government



NEOCATS – Website/Feedback



www.neocatstudy.com



[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

Contacts

Hatem A. Abou-Senna, PhD, P.E.
Project Manager
Orange County Transportation Planning Division

4200 S. John Young Pkwy.
Orlando, FL. 32839

☎ (407) 836-8023

✉ hatem.abou-senna@ocfl.net

Consultant Team

Babuji Ambikapathy, AICP, P.E.
Consultant Project Manager

225 E. Robinson Street, Suite 300
Landmark Center Two
Orlando, FL 32801-4326

☎ (407) 230-2762

✉ bambikapathy@vnb.com

Social Media

 Orange County, Florida Government

 @OrangeCoFL

© 2021

Visit the project
web page.

We want to know
what you think!



North East Orange County Areawide Transportation Study (NEOCATS)



Feedback and Discussion



North East Orange County Areawide Transportation Study (NEOCATS) Community Meeting #2

Question and Answer (Q&A) Forum

Below is a summary of the comments and questions received during the March 30th, 2022, GoToWebinar (from 6 to 7 p.m.), along with responses.

Question 1

The intersection at Lake Pickett Road/North Tanner Road has an accident almost every month. Is your committee aware of this? For example, when a car turns left, this delays the cars turning right. Will you address this? Finally, at this same intersection, the light sometimes gives a green turn arrow, and other times it does not give a green arrow, therefore cars do not have that initial chance to turn left on to North Tanner Road. Please address. Thank you. Monday - Friday at the same intersection, trying to turn left delays the right turn. Can you consider a left lane?

Response: We will look at this intersection and work with our Traffic Engineering Department to resolve the issue. This could be related to improperly working loop detectors in the ground, or the camera video detection system. If not working properly, they might not detect the vehicles in the left lane which could explain why the left turn movement is sometimes skipped.

Question 2

McCulloch Road does not have any bicycle lanes. The McCulloch Road section East of Lockwood Boulevard is only two lanes. This is very dangerous for those on bikes and electric skateboards. Does this study account for this and recommend additional roads or dedicated bicycle lanes?

Response: Yes, this is part of the planned improvements presented. Currently, the County is undertaking a roadway conceptual analysis (RCA) study for McCulloch Road from Lockwood Boulevard to N Tanner Road to determine the need for the roadway to be widened from two lanes to four lanes, as well as the needs at the intersections. All these improvements will include complete streets improvements, which includes sidewalks on both sides of the road, bicycle facilities, and/or shared-use paths. This segment is included in the presentation and is planned for sidewalks and bicycle lanes on both sides of the road.

Question 3

North Tanner Road was recently repaved; however, they did not place any reflectors alongside the divider lines. This makes visibility at night extremely low and dangerous. Does this study account for these low visibility issues?

Response: Yes. This can be part of the short-term improvements and can be implemented right away.

Question 4

For years there has been discussion about adding an overhead walkway for students crossing from the east to west side of Alafaya Trail and University Boulevard. Students crossing the Alafaya/University

intersection are just putting their lives at risk daily. Some fatalities have already occurred here. Crashes not people. Get students/folks off the cement and overhead. What is going on with that project?

Response: As mentioned in the presentation, funding has already been identified within the next five years (programmed improvements) to include two mid-block crossings – 1) Alafaya Trail just south of University Boulevard and 2) On University Boulevard just west of Alafaya Trail, and a multi-purpose path with an eight-foot sidewalk on the west side of Alafaya Trail and a 10-foot multi-purpose path on the east side of Alafaya Trail to accommodate bicycles and pedestrians. Moreover, the programmed improvements at this intersection are anticipated to improve the safety of pedestrians/bicyclists such as reducing the intersection corner radii (to slow down vehicles making right turns).

Question 5

Has Seminole County agreed to give land for expansion of McCulloch Road from Orion Boulevard to Tanner Road? If not, this road section is constrained!

Response: As mentioned before, we are conducting a roadway conceptual analysis (RCA) - to identify any right of way needs and environmental impacts. Based on the amount of traffic that will be using this road, it will need to be widened or be part of a complete streets program. After the completion of this RCA study, we will identify the needs in terms of right of way acquisition or environmental impacts. Before going into the detailed engineering design, we will first have to discuss the improvements with Seminole County and the other stakeholders.

Question 6

What affect will the Sustanee development have on the 2045 planned improvements and these changes?

Response: As of today, Sustanee has not been approved. The community meeting held on 03/29/2022 was the first step in the process. We did include the Grow and proposed Sustanee developments as part of the NEOCATS to determine the long-term needs of the study area. Sustanee is still in the early stages. The County does not know at this time whether it is going to be approved.

Question 7

Has Orange County changed their Urban/Rural boundary on the East side? If not, and if rural densities are maintained correctly, the massive increases in traffic will not take place.

Response: No, the urban service boundary has not been extended. It primarily follows the Econlockhatchee River. To clarify, the urban source boundary does not extend to Chuluota Road.

Question 8

What happens at the BCC meeting after this (study) is complete?

Response: At this point, we have developed draft recommendations. Based on public feedback, we will then finalize the recommendations, and prepare the final report. The recommendations will then be presented to the Board of County Commissioners (BCC). The BCC will determine which types of improvements can be implemented. As presented, we have identified short-term, mid-term, and long-term improvements. We will provide the planning level roadway improvement costs to the BCC. Based

on the evaluation and cost information, they will determine whether there is enough funding to implement any of them.

Question 9

Will any widening to CR 419 keep the roadway as a rural cross section or be designed as an urban (curb and gutter) cross section? (Great presentation, Thanks!).

Response: Thank you. Like McCulloch Road, Chuluota Road from State Road 50 to Lake Pickett Road is undergoing a roadway conceptual analysis (RCA), which is a planning level study. The next step would be a detailed engineering design, after which we will be able to determine the appropriate roadway type (i.e., curb and gutter or a rural roadway).

Question 10

Would extra lanes on McCulloch Road be on the Seminole County or Orange County side of the road?

Response: McCulloch Road is currently one lane in each direction. If widened, it would be widened to two-lanes in each direction. The widening would occur on the Seminole County side since the County line is right down the middle of the existing right of way. Seminole County has been approving developments that front along McCulloch Road and have set back those developments to accommodate the four-lane roadway.

Question 11

SR 50 is fairly constrained for right of way acquisition, limiting effective capacity improvements. Reconsider an elevated reversible toll lane system from SR 520 to SR 408 and have FDOT and CFX share cost and revenue capture. This handles peak demand and fits within SR 50 right of way limits. Limit entry/exits accordingly for this proposed limited access corridor.

Response: To assess the feasibility of a toll lane system on SR 50, two projects were conducted. One of the projects conducted by the Florida's Turnpike, the Colonial Parkway project, considered a toll road, with an elevated section along portions of SR 50. The other project from the Central Florida Expressway Authority (CFX), studied the extension of SR 408 to the east. Right now, both projects are on hold. Although the SR 408 extension has been put on hold, it has been identified as a need in the CFX 2045 Master Plan. We do not know at this time whether any of those projects will move forward in the future.

Question 12

Are the proposed dedicated bus lanes going to have right of way so they will not get stuck in traffic?

Response: Right now, LYNX is not considering a dedicated lane on the roadways within the study limits. However, the LYNX Transit Development Plan has identified the need for enhanced transit service, including increased frequency of busses and an express route that will go on SR 50 from Ocoee to Alafaya Trail and then on Alafaya Trail from SR 50 to UCF.

Question 13

Will McCulloch Road ever be extended to meet State Road 419?

Response: Because of the potential environmental impacts to the Econlockhatchee River, there are no plans to extend McCulloch Road from N Tanner Road to County Road 419.

Question 14

How quickly can we expect short-term improvements to begin?

Response: Short-term improvements are considered for the Year 2025 in this study. The main challenge is funding. Based on this study, we will identify recommended improvements based on your feedback. Once we identify the improvements, we will prioritize them according to funding, and hopefully implemented by the year 2025, or within the next five years.

The following questions/comments were not addressed during the live meeting due to time constraints.

Question 15

Is the grassed buffer between the sidewalk and vehicle travel lanes going to be narrowed or completely used for through vehicle lanes?

Response: As mentioned before, a roadway conceptual analysis (RCA) and detailed engineering design must be completed before construction. Then we will be able to determine the appropriate roadway typical section, i.e., if the grassed buffer will be narrowed or completely removed. However, in most cases we always prioritize pedestrian safety so we will make sure to keep a reasonable buffer between the sidewalk and the travel lanes.

Question 16

When North Tanner Road was repaved, at Stonebriar's entrance there was a gap. Please pave the gapped area. Thank you.

Response

Thank you for letting us know. We will inform the same to the relevant department.

Question 17

What density (#of dwelling units) was used when you factored LPS & LPN into your study?

Response: As was presented in the Community meeting for Sustanee and previously for the Grow, we included the same developers' development programs.

Question 18

Can you please review the proposed road expansion timelines?

Response: As presented, we have identified programmed, planned, and needs improvements for the study roadways. The programmed improvements (SR 50 six-lane widening from Avalon Park Boulevard to SR 520) is being scheduled for construction in Year 2027 per the latest information from FDOT. As for the planned improvements, they are anticipated to be constructed before 2045 based on availability of funds and other factors.

The needs-based improvements are identified as part of this study that are needed beyond the planned improvements, but a potential funding source or a timeline is not yet identified for them. Based on the cost estimates for these improvements, the responsible agency/agencies will identify if there is funding available to implement them.

Question 19

Perhaps this is a question for staff, where does the money come from to pay for all of these improvements and is there money for any of this?

Response: There are several sources. However, the main source is Transportation Impact Fees. Other sources include INVEST program as well as developers' proportionate share contribution for newly approved developments which must be used within the same development to mitigate their impacts.

Question 20

Great presentation – thanks

Response: Thank you.

Question 21

Expansion of McCulloch Road between Orion Boulevard and Tanner Road is not required. This section is absolutely constrained.

Response: As mentioned before, this is part of the planned improvements presented. Currently, the County is undertaking a roadway conceptual analysis (RCA) study for McCulloch Road from Lockwood Boulevard to N Tanner Road to determine the need for the roadway to be widened from two lanes to four lanes, as well as the needs at the intersections. The RCA study will also identify potential right-of-way requirements.

Question 22

Currently, the sidewalks on North Tanner Road and McCulloch Road are degraded and uneven. They are in dire need of repair and maintenance. Can this be addressed?

Response: Sidewalk improvements on McCulloch Road and N Tanner Road are included under planned/needs improvements in this study. We will also contact the relevant department within Orange County to see if this can be taken care of now.

APPENDIX D

Stakeholder Meeting 2

Meeting Summary

Date: April 28, 2022

Summary Prepared By: Asha/VHB

Via Skype: WebEx Meeting

VHB Project No.: 63835.00

Project Name: NEOCATS (North East Orange County Areawide Transportation Study) – Stakeholder Coordination Meeting #2

Attendees:

Orange County

- Renzo Nastasi
- Hatem Abou-Senna (Orange County PM)
- Brian Sanders
- Blanche Hardy

Central Florida Expressway Authority (CFX)

- Jonathan Williamson
- Will Hawthorn

FDOT

- Jim Stroz

LYNX

- Myles O'Keefe

MetroPlan Orlando

- Lara Bouck

- Taylor Laurent

Orange County Fire Rescue

- Jacob Lujan

Seminole County

- Will Wharton
- Rebecca Hammock

Consultant Team

- Babuji Ambikapathy (VHB Consultant PM)
- Raj Pemmanaboina (VHB)
- Srinivas Kandala (VHB)
- Nikki Melendez (VHB)
- Christy Lofye (Inwood)
- Rohan Sadhai (Asha)

The second stakeholder coordination meeting for NEOCATS was held on Thursday, April 28, 2022, via WebEx. The coordination included representatives from MetroPlan Orlando, Orange County Fire Rescue, Florida Department of Transportation (FDOT), Central Florida Expressway Authority (CFX), LYNX and Seminole County.

Following is a summary of the meeting.

- Hatem began the meeting with a presentation summarizing the work activities completed to date, existing transportation conditions, future conditions analyses and findings, and recommendations of the proposed future year 2045 transportation needs plan.
- The study began in May 2021 and is scheduled for completion in June 2022.
- Prior to this stakeholder meeting, the County held two public outreach meetings on November 1, 2021, and March 30, 2022. The second meeting included an overview of the findings and recommendations of the proposed future year 2045 transportation needs plan, and provided the public the opportunity to comment on the initial recommendations.
- Hatem provided an overview of the existing conditions in the study area, a summary of proposed improvements, and examples of the types of improvements being proposed for several different intersection types.

Meeting Summary

- The presentation was followed by open discussion.
 - Renzo noted that the presentation length needs to be shortened to 20-minutes for internal Orange County briefings.
 - Planning level costs associated with the proposed improvements will be provided by mid-May.
 - The two community outreach meetings as indicated in the scope of services have been completed. There are no other public outreach activities planned for this study.
 - The project team will need to provide an updated briefing of the project to Commissioners Gomez-Cordero and Bonilla.
 - Fire Rescue asked if the displaced left turns being proposed at intersections would impact fire rescue operations.
 - The response was "No." The fire rescue vehicles would maneuver through the intersection as they currently do.
 - CFX noted that they have no comment.
- No other responses or comments were provided.

Action Items:

- VHB to prepare planning level cost estimates for the proposed improvements.
- Orange County will finalize the LPA and BCC dates and determine the need for LPA and BCC work sessions.

APPENDIX E

Planning and Zoning Commission / Local Planning Agency (PZC/LPA) Work Session

Meeting Summary

Date: September 15, 2022

Summary Prepared By: Asha/VHB

VHB Project No.: 63835.00

Project Name: NEOCATS (North East Orange County Areawide Transportation Study)

Orange County Planning and Zoning Commission / Local Planning Agency (PZC/LPA) Work Session

Attendees:

Orange County

- Hatem Abou-Senna (Orange County PM)
- Brian Sanders
- Blanche Hardy

Local Planning Agency (seated from left to right)

- George Wiggins, District 2 Representative
- Jaja J. Wade, District 6 Representative
- Walter A. Pavon Jr, District 4 Representative
- Nelson Pena (Chair), At Large Representative
- J. Gordon Spears, District 5 Representative

- Eduardo Fernandez, District 3 Representative
- Dr. Evelyn Cardenas, At Large Representative

Consultant Team

- Babuji Ambikapathy (VHB Consultant PM)
- Raj Pemmanaboina (VHB)
- Srinivas Kandala (VHB)
- Nikki Melendez (VHB)
- Christy Lofye (Inwood)
- Jason Houck (Inwood)
- Rohan Sadhai (Asha)

A work session for NEOCATS was held during the regularly scheduled Orange County Planning and Zoning Board Commission Hearing on Thursday, September 15, 2022, at the Orange County Board of County Commissioners (BCC) chambers, located at 201 S. Rosalind Avenue, Orlando, FL 32801. The Planning and Zoning agenda is attached for reference. Following is a summary of the workshop.

- The work session began at approximately 3:00 p.m. with a PowerPoint presentation by Hatem.
- Hatem summarized the work activities completed to date including, existing transportation conditions, future conditions analyses (No Build, Build 1 and Build 2 Conditions), the study timeline and next steps. The future conditions alternatives are summarized as follows:
 - No Build – this alternative includes the existing and committed transportation improvements.
 - Build 1 (Cost-Feasible Plan) – this alternative includes the existing, committed, and planned improvements.
 - Build 2 (Needs Plan) – this alternative includes the Build 1 alternative improvements and additional needed improvements.
- The No Build alternative has a benefit-cost (B/C) ratio of 0.0, and an estimated cost of \$70 million.
 - Under this alternative, the majority of roadways and intersections operate below acceptable levels of service (LOS) by year 2045.
- The Build 1 alternative has a B/C ratio of 11.7, and an estimated cost of \$269 million.
 - Under this alternative, the majority of roadways and intersections operate within acceptable levels of service (LOS) by year 2045.
- The Build 2 alternative has a B/C ratio of 7.6, and an estimated cost of \$452 million.
 - Under this alternative, all roadways and intersections operate within acceptable levels of service (LOS) by year 2045.

Meeting Summary

- The project will be presented to the BCC in October and is also expected to wrap up in October.
- At the conclusion of the presentation, the public was invited to comment.
 - There were no public comments.
- Following the public comment period, the Planning and Zoning Board members provided comments/questions, summarized below.
 - Nelson Pena thanked Hatem for the presentation and noted that this is a needed study.
 - Gordon Spears requested clarification regarding recommendations for roundabouts versus traffic signals. He is in favor of roundabouts.
 - Hatem noted that all intersections in the plan followed the Intersection Control Evaluation (ICE) screening process.
 - Gordon Spears also noted that he is not in favor of any infrastructure improvements beyond the County's urban service area, east of the Econlockhatchee River.
 - Mr. Spears noted that approximately 3/5ths of the NEOCATS study area is within the urban service area.
 - He noted that any development/improvements beyond the Econlockhatchee River is a bad idea, encourages urban sprawl, and is opposed to anything beyond the urban service area boundary.
 - Mr. Spears noted that report Figure 15 shows a new roadway east of the Econ River, which works counter to "good growth".
 - Reiterated that all infrastructure improvements should remain west of the Econ River.
 - Hatem noted that the study was initiated as a response to the growth in the northeast County.
 - Mr. Spears asked who will pay for the improvements and noted that it is not fair for residents in the urban service area to pay for improvements that are outside of their service area and encourage urban sprawl.
 - Hatem mentioned that some of the improvements would be paid for by developers and impact fees from the developments.
 - Mr. Spears noted that this workshop was held so that the County could provide their comments and thoughts about the project. He is not opposed to the study, just to any development east of the Econ River.
 - Hatem noted that this is a planning level study to be prepared for future needs in the area.
- Mr. Pena concluded the workshop.

Action Items:

- Present findings to the Orange County BCC on October 11, 2022.
- Wrap up study in October following the BCC Work Session.




PLANNING AND ZONING COMMISSION / LOCAL PLANNING AGENCY

MEMORANDUM

September 15, 2022

To: Planning and Zoning Commission (PZC) / Local Planning Agency (LPA)

From: Alberto Vargas, Manager, Planning Division 
Planning, Environmental and Development Services Department

Contact Person: Jason Sorensen, Chief Planner, Planning Division

Subject: September 15, 2022 – PZC / LPA Agenda

AGENDA

September 15, 2022

9:00 a.m. Call to Order

Public Comment

Approval of Meeting Minutes June 16, 2022 & August 18, 2022

Old Business

New Business

9:00 a.m. Rezoning

RZ-22-09-093 Gabriel Teles
2719 and 2725 Keystone Drive
R-1A (Single-Family Dwelling District) **to**
R-1 (Single-Family Dwelling District)
District 3

9:00 a.m. Planned Development Public Hearings (PDs)

LUP-22-02-049 Tom Daly, Daly Design Group
Project Name: Corner Lake Gardens LUP
South of Lake Pickett Road
A-2 (Farmland Rural District) **to** PD (Planned Development District)
District 5



PLANNING AND ZONING COMMISSION / LOCAL PLANNING AGENCY

LUP-22-01-001

Jonathan Martin, Kimley Horn & Associates, Inc.

Project Name: Fifty South Student Housing

North of E. Colonial Drive, west of Alafaya Trail

C-1 (Retail Commercial District) to

PD (Planned Development District)

District 5

9:30 a.m. **Privately-Initiated Small-Scale Future Land Use Element Map Amendments to Change the Designation of Lands within Unincorporated County, and Where Expressly Noted Below, Concurrent Rezoning Requests:**

~~**SS-22-04-023**~~

Application voided

(property already

has ACR designation)

Rao Shridhar, Landsmart Consultants

0 International Drive

Activity Center Mixed Use (ACMU) **to**

Activity Center Residential (ACR)

District 1

9:30 a.m. **Joint Planning Agreement (JPA)**

Third Amendment to the Joint Planning Area (JPA) Agreement between Orange County and the City of Ocoee; District 1 and 2 entire JPA; District 2 subject property

Presented by: Misty Mills, Planning Division

9:45 a.m. **Worksession**

Boggy Creek Road / Kissimmee Farms Study Area

Presented by: Greg Gologowski, Chief Planner, Planning Division

10:15 a.m. **2022-2 Comprehensive Plan Transmittal Regular Cycle Amendment**
Staff-Initiated Regular Cycle Comprehensive Plan Map and Text Amendment

2022-2-B-FLUE-7

Text and map amendments to the Future Land Use Element and Future Land Use Map (FLUM) Series and related goals, objectives and policies implementing the recommendations of the Boggy Creek Road and Kissimmee Farms Area Plan including: amending the Urban Service Area (USA) boundary to establish an expansion area as well as adopting guidelines and principles for future land use amendments and developments within the USA expansion area, and amendments creating the Orlando-Kissimmee Farms Rural Residential Enclave and adding Map 25(e), Orlando-Kissimmee Farms Rural Residential Enclave of the FLUM series.



PLANNING AND ZONING COMMISSION / LOCAL PLANNING AGENCY

10:30 a.m.

2021-1 Comprehensive Plan Adoption Regular Cycle Amendment

Privately-Initiated Regular Cycle Amendment and Associated Staff-Initiated Map and Text Amendments and Concurrent Rezoning Request

- 2021-1-A-4-1** Matthew Gillespie, P.E., Kimley-Horn and Associates, Inc., for Bennett Place Land Trust
Rural/Agricultural (R) **to**
Planned Development-Commercial/Medium Density Residential (PD-C/MDR) and Urban Service Area (USA) Expansion
- and-**
- 2021-1-B-FLUE-4** Text amendment to Future Land Use Element Policy FLU8.1.4 establishing the maximum densities and intensities for proposed Planned Developments within Orange County, associated with Amendment 2021-1-A-4-1
- and-**
- 2021-1-B-FLUE-5** Text amendment to Future Land Use Element Policy FLU1.2.4 regarding allocation of additional lands to the Urban Service Area (USA), associated with Amendment 2021-1-A-4
- and-**
- Rezoning** A-2 (Farmland Rural District) **to** PD (Planned Development District)
LUP-21-01-006 (Bennett Place PD/LUP)

10:45 a.m.

2022-2 Comprehensive Plan Transmittal Regular Cycle Amendments

Privately-Initiated Regular Cycle Future Land Use Map (FLUM) Amendment and Associated Staff-Initiated Map and Text Amendments

- 2022-2-A-4-2** Derek Ramsburg, P.E., Kimley-Horn and Associates, Inc., for 14857 Boggy Creek, LLC and CD Boggy Creek Land Trust
Rural/Agricultural (R) to Planned Development-Medium-High Density Residential/Commercial (PD-MHDR/C) and Urban Service Area (USA) Expansion
- and-**
- 2022-2-B-FLUE-5** Text amendment to Future Land Use Element Policy FLU8.1.4 establishing the maximum densities and intensities for proposed Planned Developments within Orange County, associated with Amendment 2022-2-A-4-2
- and-**
- 2022-2-B-FLUE-6** Text amendment to Future Land Use Element Policy FLU1.2.4 regarding allocation of additional lands to the Urban Service Area (USA), associated with Amendment 2022-2-A-4-2



PLANNING AND ZONING COMMISSION / LOCAL PLANNING AGENCY

11:00 a.m.

*(Request to
postpone to
a future date)*

Public Hearing

Orange County Code Chapter 30 Update

Presented by: Mirna Barq, Transportation Planning

11:00 a.m.

Work Session

North East Orange County Areawide Transportation Study (NEOCATS)

Presented by: Blanche Hardy

11:15 a.m.

Public Hearing

Town Center Preliminary Design Study for CR 545

Presented by: Renzo Nastasi

Lunch Break

12:30 p.m.

Work Session

Vision 2050 Session 1

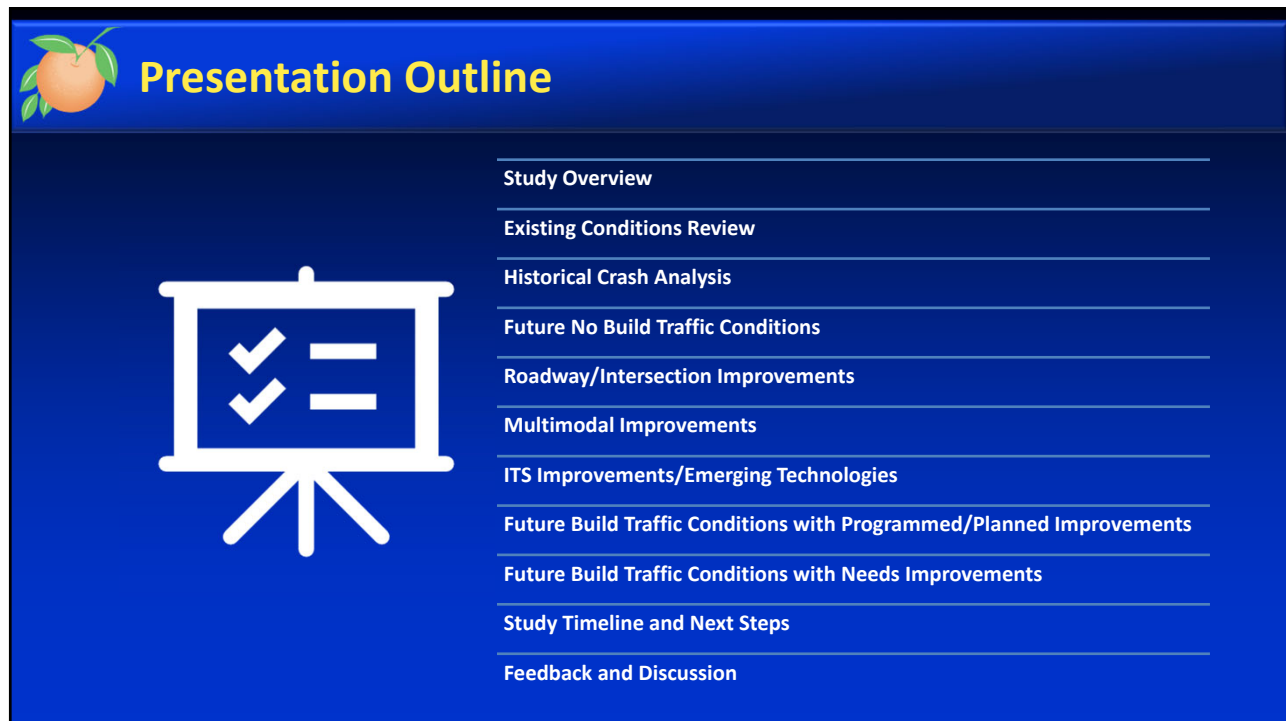
-Land Use, Mobility, and Neighborhoods

-Housing and Community

-Tourism, Arts, and Culture



1



2



Presentation Outline



Study Overview

Existing Conditions Review

Historical Crash Analysis

Future No Build Traffic Conditions

Roadway/Intersection Improvements

Multimodal Improvements

ITS Improvements/Emerging Technologies

Future Build Traffic Conditions with Programmed/Planned Improvements

Future Build Traffic Conditions with Needs Improvements

Study Timeline and Next Steps

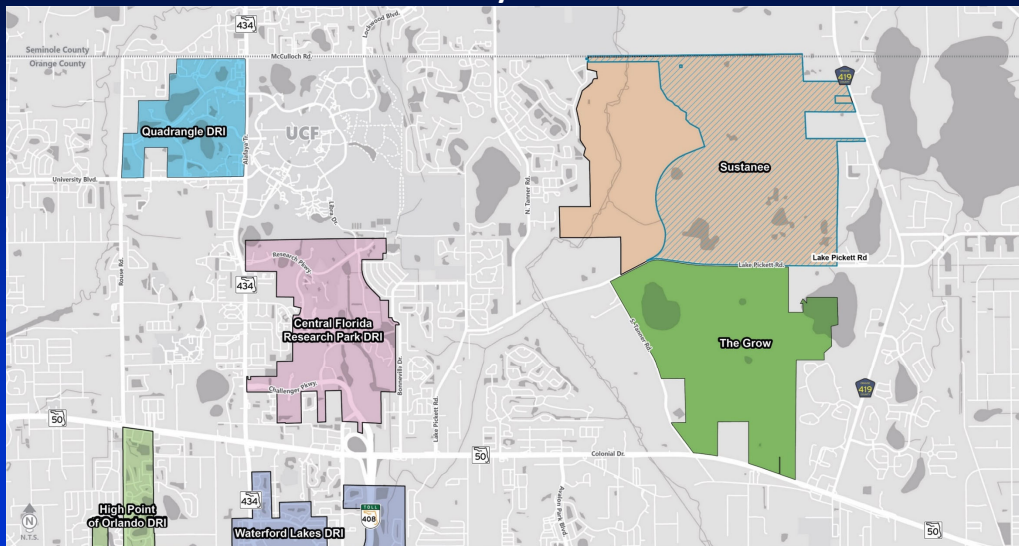
Feedback and Discussion

3



Study Overview

Study Area



4

Study Overview

Study Purpose

"Support future growth while preserving community character"

Study 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







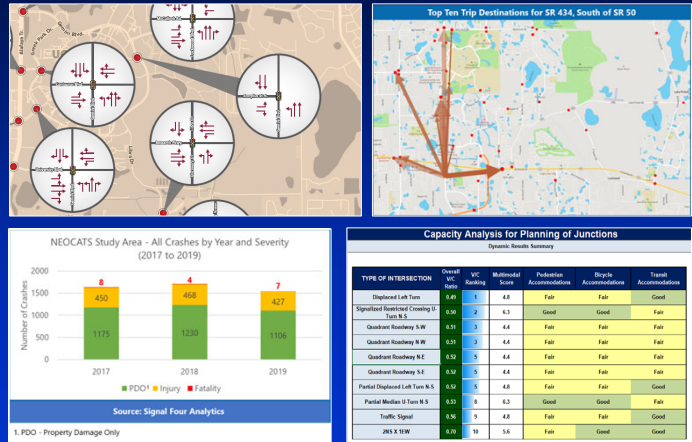

5



6

Key Elements

- **Roadway data**
 - Major developments
 - Pedestrian/bicycle gaps
 - Transit routes
 - Lighting
 - ITS
- **Historical crash data**
- **Traffic data**
 - Traffic volumes
 - Origin-Destination (OD) study
 - Multimodal operational analysis
 - Connected Autonomous Vehicles (CAV) impacts*
- **Stakeholder input**
- **Programmed and planned projects**
- **Orange County, FDOT, and FHWA guidelines**
- **Similar projects**



Community Meetings #1 & #2

November 1, 2021 (#1) &
March 30, 2022 (#2)

- Mail-outs: 8,656
- Forums: Website, Newspaper Advertisement and GoToMeeting

Agency Meetings #1 & #2

**January 21, 2022 (#1) &
April 28, 2022 (#2)**

- Florida Department of Transportation (FDOT)
- Orange County
- Seminole County
- University of Central Florida (UCF)
- LYNX
- MetroPlan Orlando
- Central Florida Expressway Authority (CFX)
- Orange County Fire Rescue
- Orange County Sheriff's Office
- Orange County Public Schools (OCPS)
- Central Florida Research Park (CFRP)

[illegible]



Presentation Outline



Study Overview

Existing Conditions Review

Historical Crash Analysis

Future No Build Traffic Conditions

Roadway/Intersection Improvements

Multimodal Improvements

ITS Improvements/Emerging Technologies

Future Build Traffic Conditions with Programmed/Planned Improvements

Future Build Traffic Conditions with Needs Improvements

Study Timeline and Next Steps

Feedback and Discussion

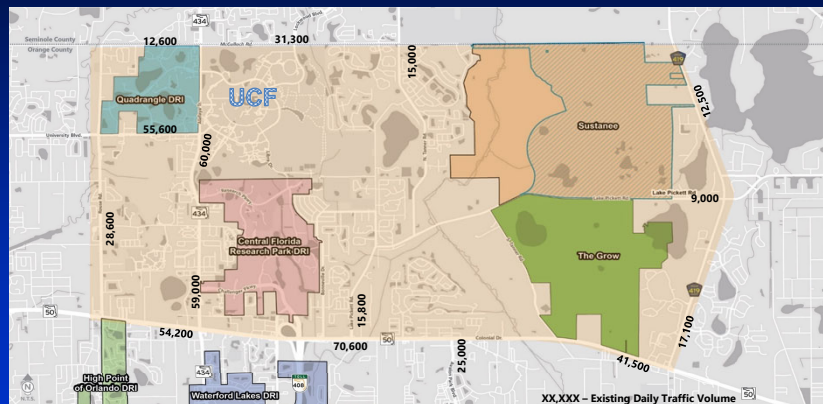
9



Existing Conditions Review

Study Area Highlights

- 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



* Both the Rybolt Park DRI application and Sustanee development are withdrawn.

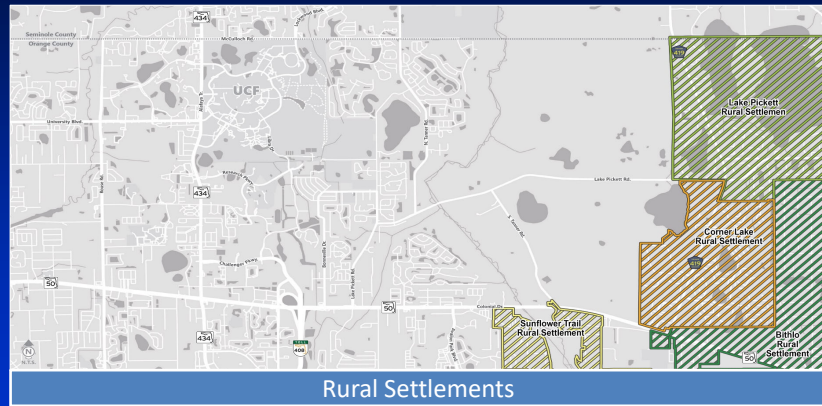
10



Existing Conditions Review

Rural Settlements

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

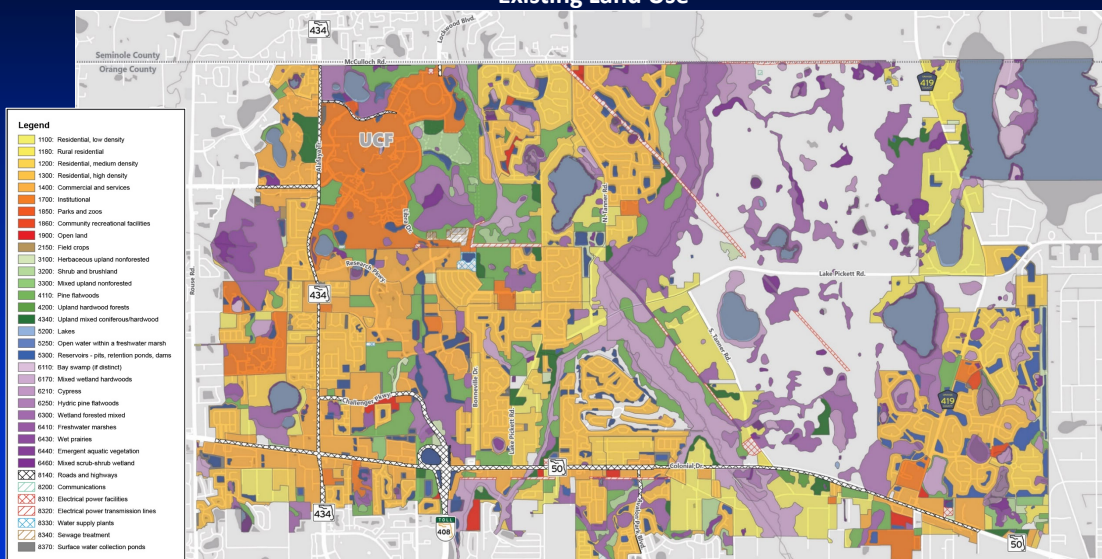


11



Existing Conditions Review

Existing Land Use



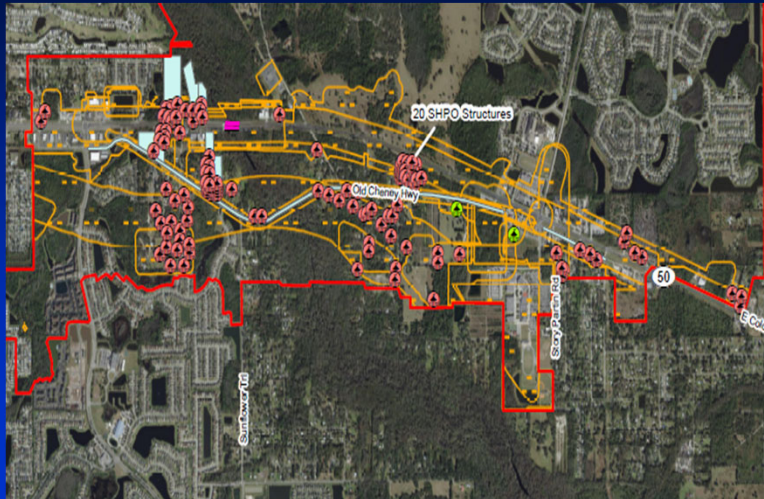
12



Existing Conditions Review

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.

13



Existing Conditions Review

Public Facilities

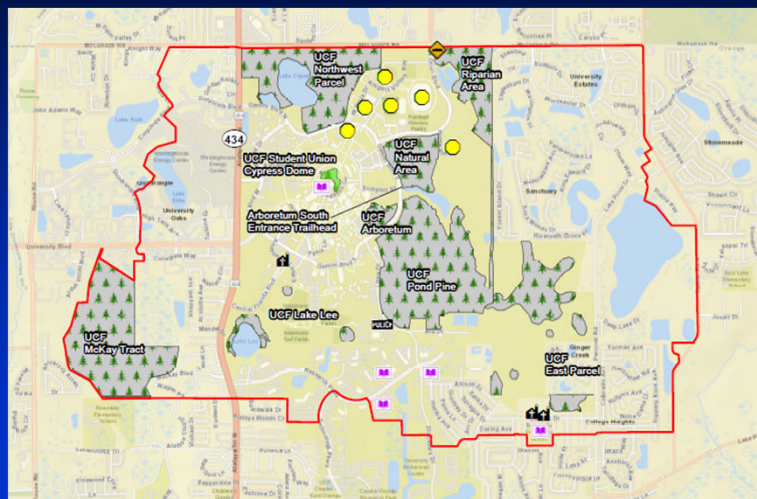
- Civic Centers -6
- Police/Fire – 3
- Health Care/Hospital – 8
- Religious Center – 5
- Schools – 17
- Veterans Facilities – 3
- Parks/Natural Lands – 25

Utility Agency/Owned Lands

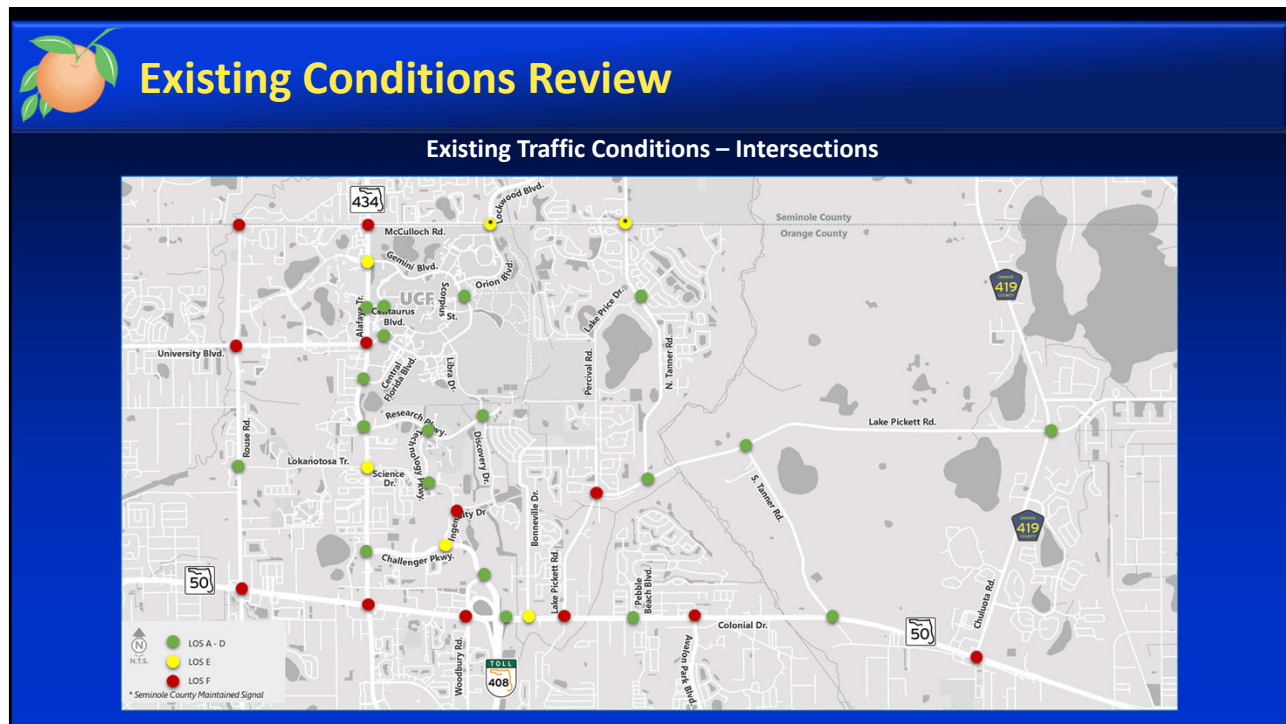
- 70

Conservation/Public Lands

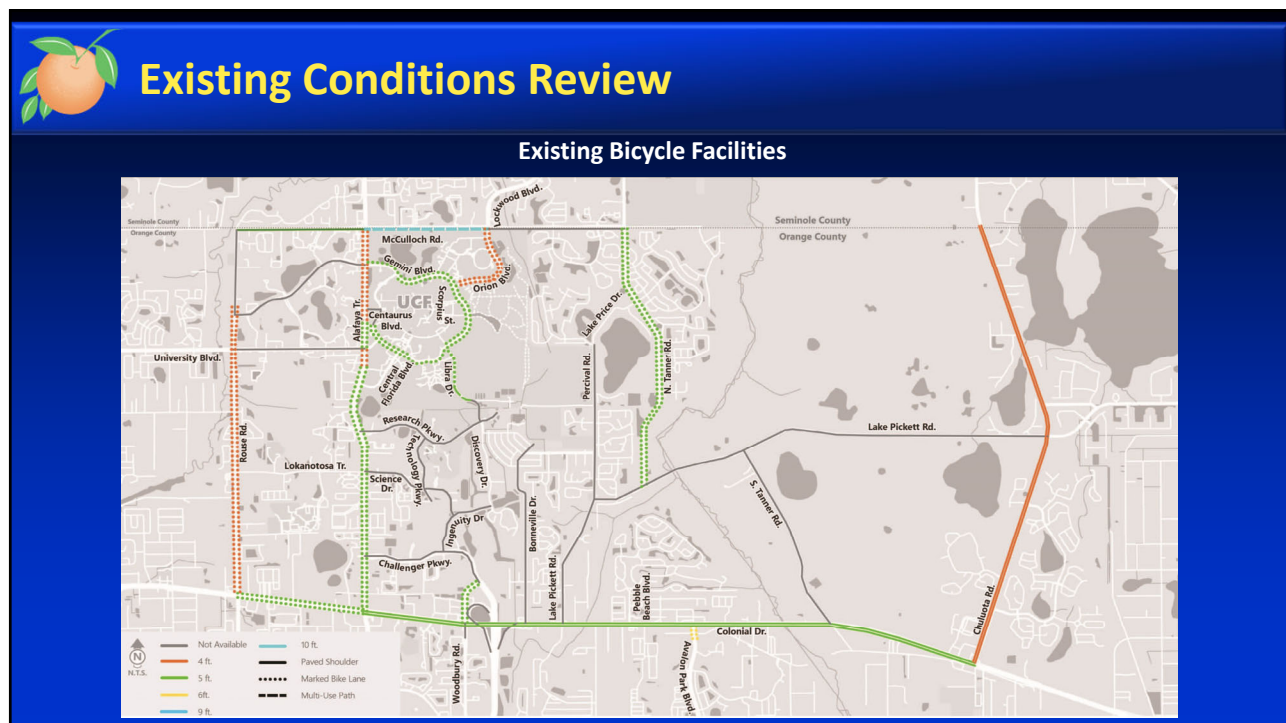
- 127



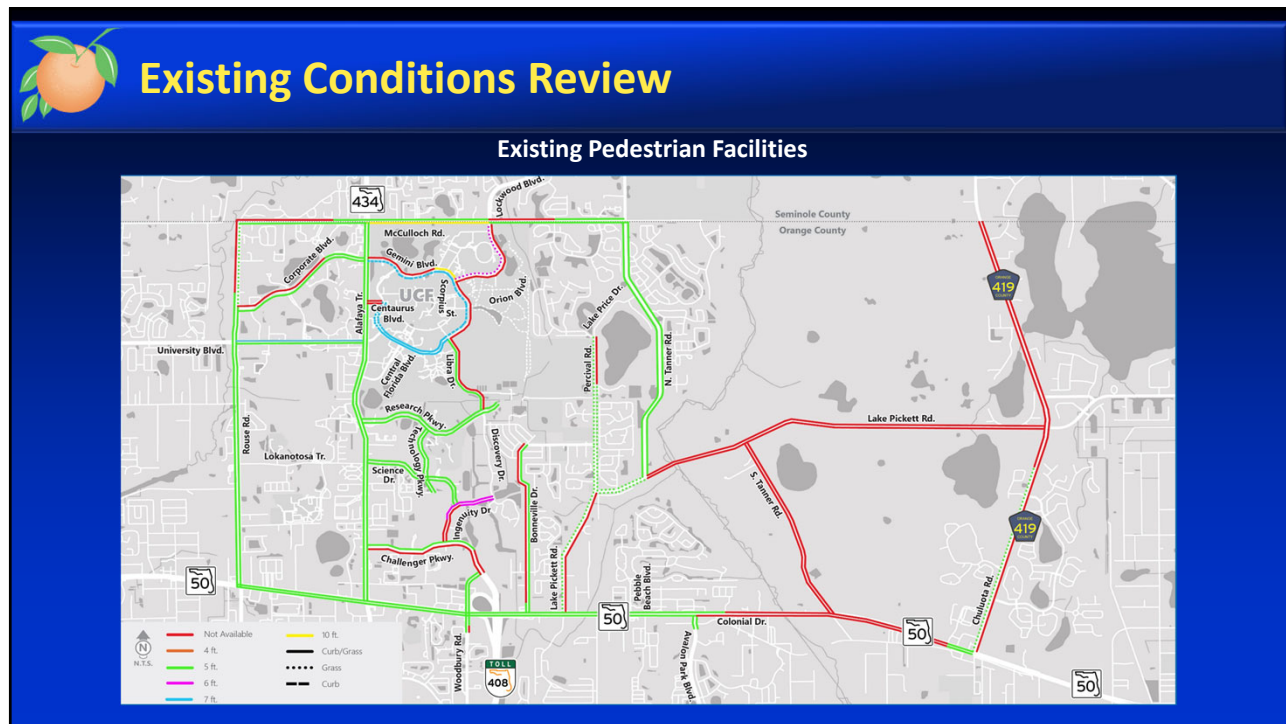
14



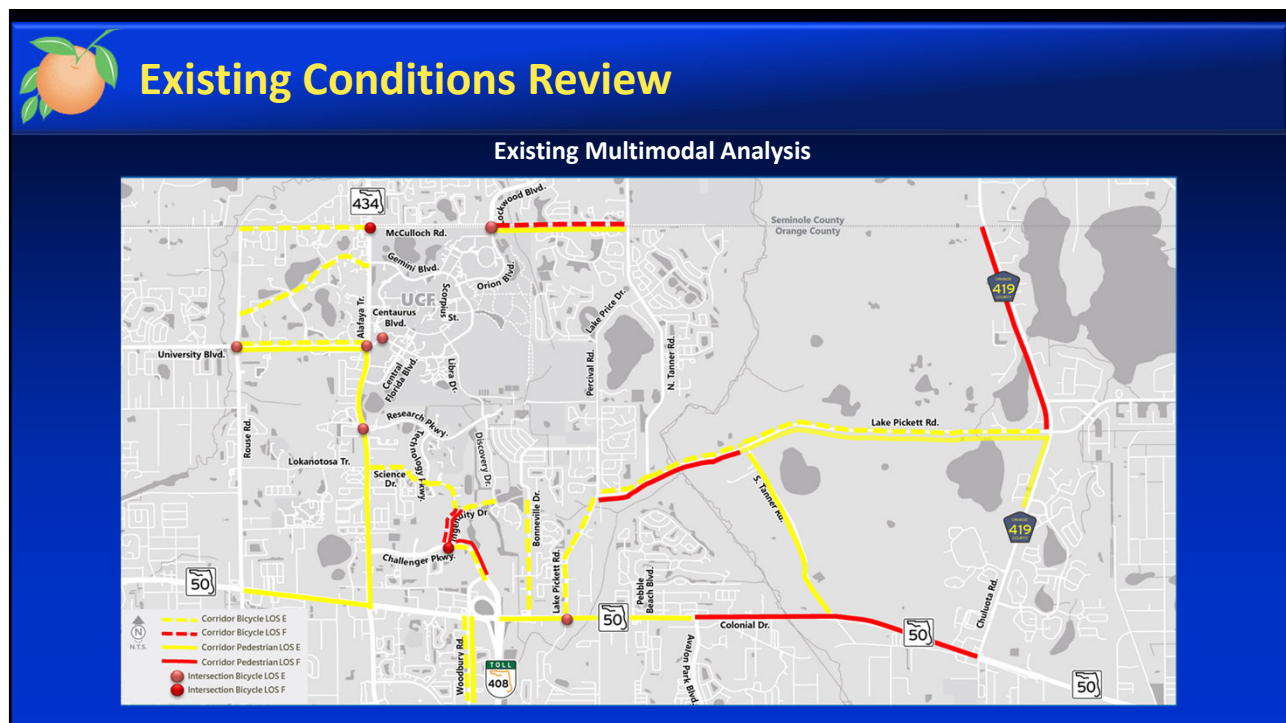
17



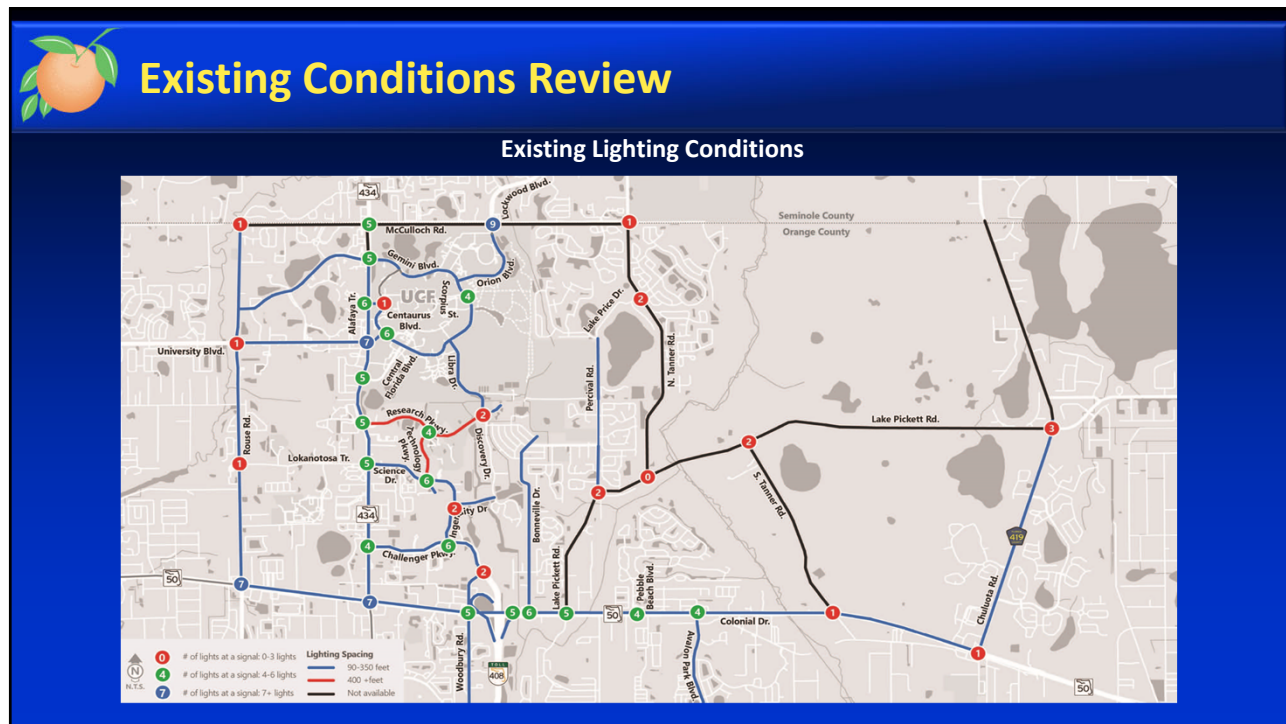
18



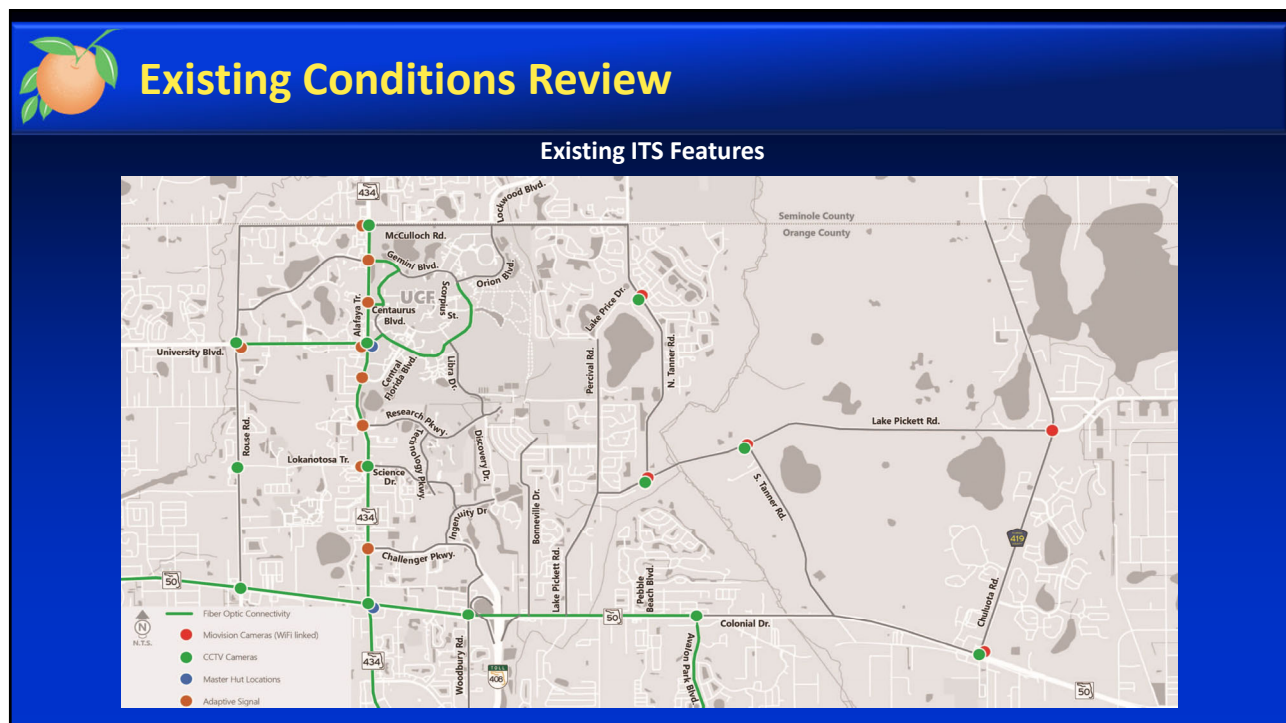
19



20



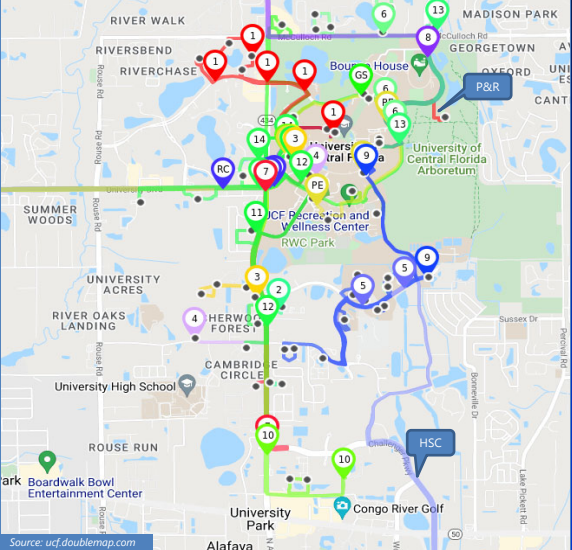
21



22

Existing Conditions Review


Existing Transit – LYNX



Source: ucf.doublemap.com

Legend

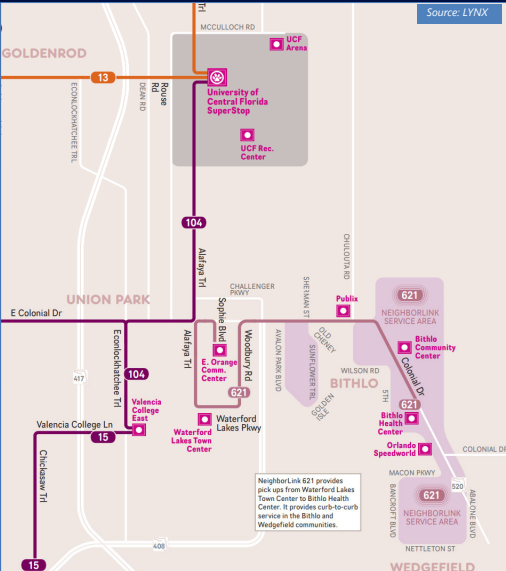
DT – Grocery Shuttle	1 – Knights Circle	The Station
GS – Grocery Shuttle	2 – College Station/Boardwalk	9 – Knights Landing/Research Park
HSC – Health Sciences Campus	3 – The Verge/The Palace at Alafaya	10 – The Lofts/Orion on Orpington
PE – On-Campus Pegasus Express	4 – Mercury 3100/Campus Crossings	11 – The Aves @ Twelve100
P&R – Park and Ride Shuttle	5 – Village of Science Drive	12 – Lark Central Florida
RC – Rosen College Shuttle	6 – Northgate Lakes/Tivoli	13 – NorthView
UCF – UCF Downtown	7 – The Pointe at Central	14 – Plaza on University
	8 – Riverwind at Alafaya/	15 – Collegiate Village Inn/Arden Villas



Source: https://parking.ucf.edu/shuttles/

23

Existing Conditions Review



Source: LYNX

Legend/Information

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

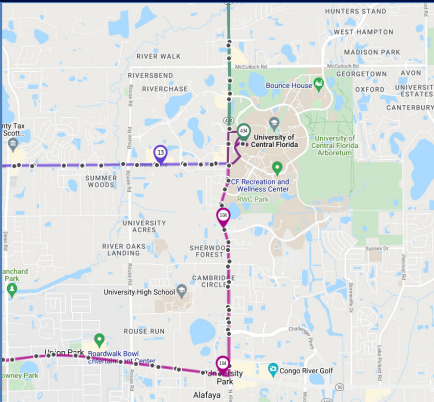
Route 434, SR 434

- 2019 Ridership – 139,055
- Frequency – 60 minutes

NeighborLink 621, on-demand circulator



Source: golynx.doublemap.com



Source: golynx.doublemap.com

24



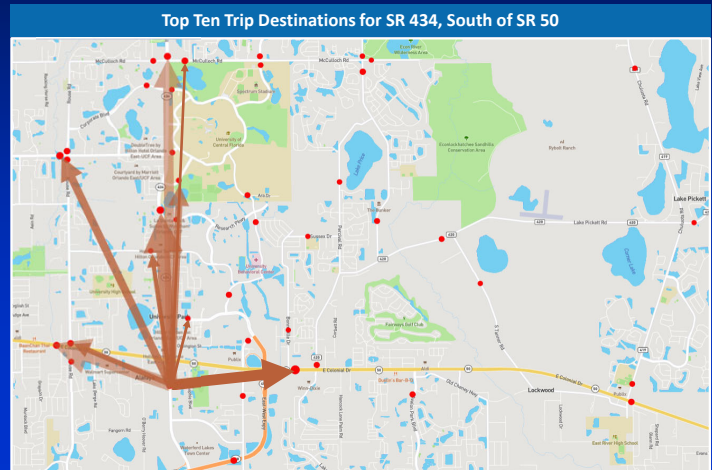
Existing Conditions Review

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



25



Presentation Outline



Study Overview

Existing Conditions Review

Historical Crash Analysis

Future No Build Traffic Conditions

Roadway/Intersection Improvements

Multimodal Improvements

ITS Improvements/Emerging Technologies

Future Build Traffic Conditions with Programmed/Planned Improvements

Future Build Traffic Conditions with Needs Improvements

Study Timeline and Next Steps

Feedback and Discussion

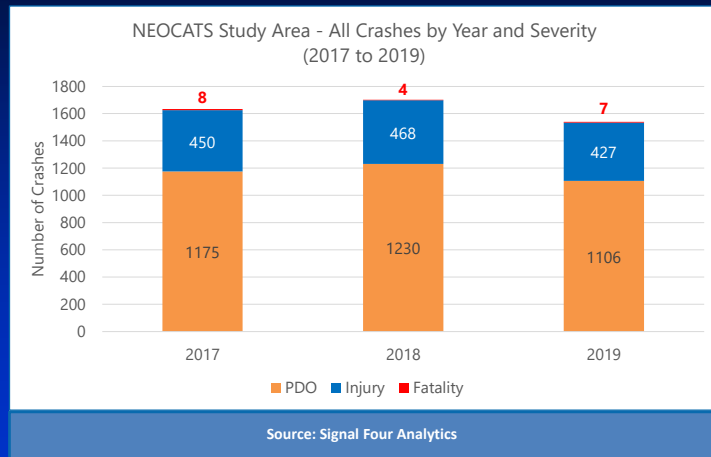
26



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)



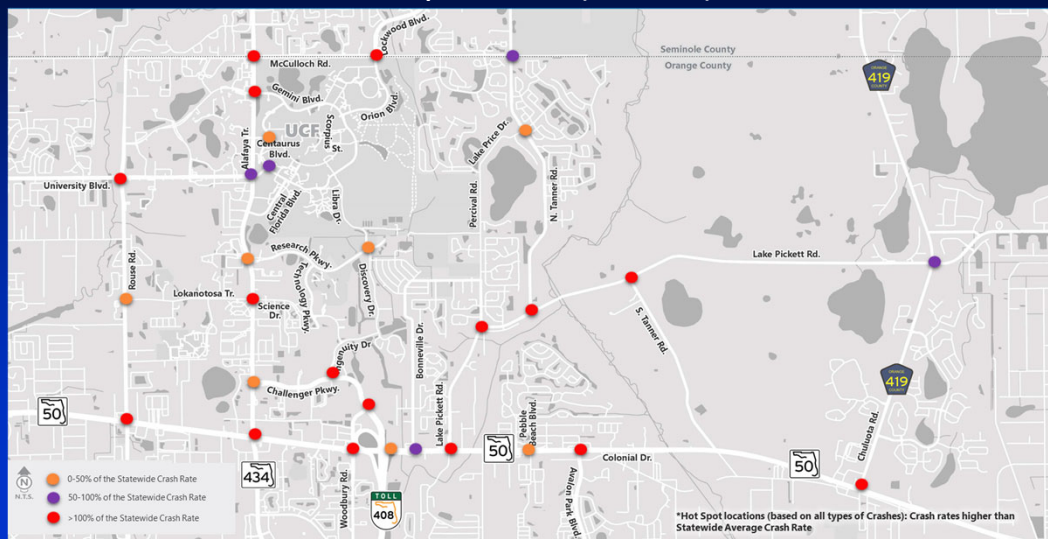
1. PDO - Property Damage Only

27



Historical Crash Analysis

Hot Spot Locations (2017-2019)

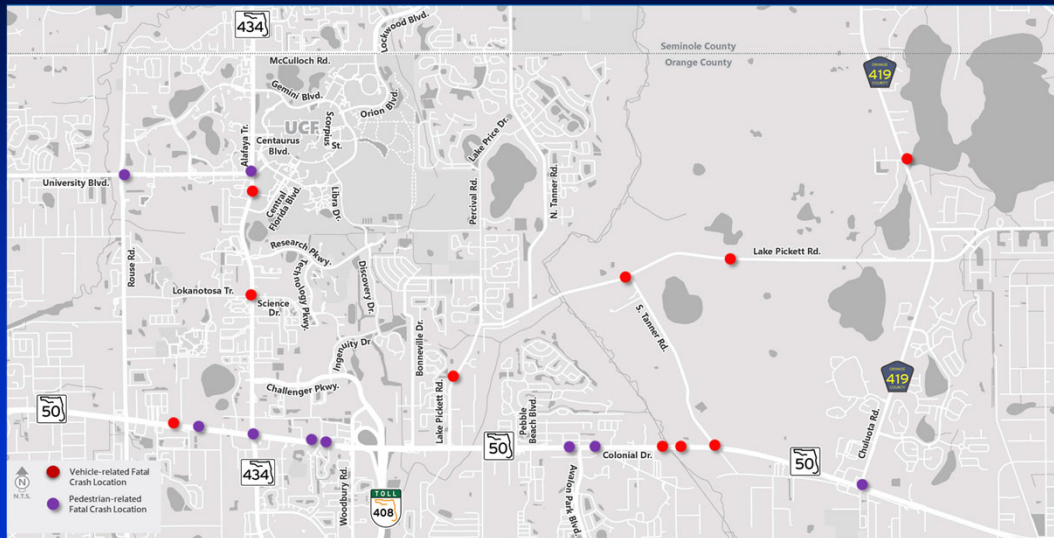


28



Historical Crash Analysis

Fatal Crash Locations (2017-2019)



29



Presentation Outline



Study Overview

Existing Conditions Review

Historical Crash Analysis

Future No Build Traffic Conditions

Roadway/Intersection Improvements

Multimodal Improvements

ITS Improvements/Emerging Technologies

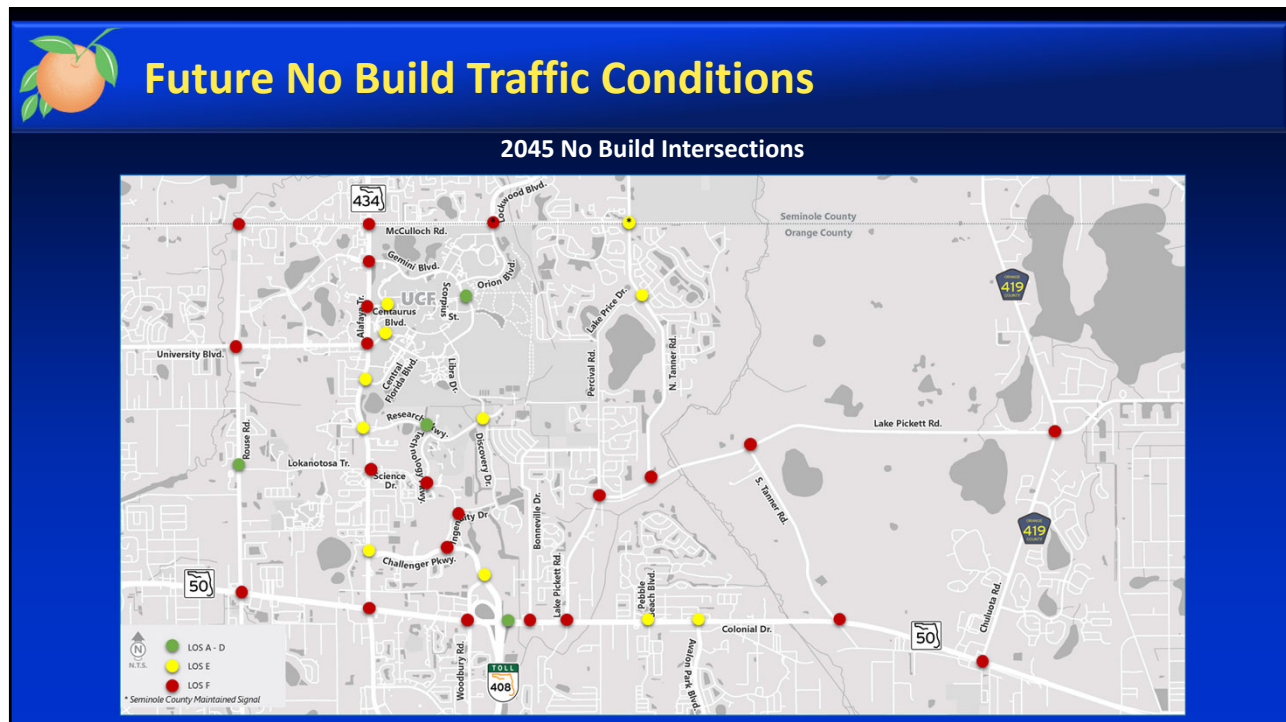
Future Build Traffic Conditions with Programmed/Planned Improvements

Future Build Traffic Conditions with Needs Improvements


Study Timeline and Next Steps

Feedback and Discussion

30



33



Study Overview
Existing Conditions Review
Historical Crash Analysis
Future No Build Traffic Conditions
Roadway/Intersection Improvements
Multimodal Improvements
ITS Improvements/Emerging Technologies
Future Build Traffic Conditions with Programmed/Planned Improvements
Future Build Traffic Conditions with Needs Improvements
Study Timeline and Next Steps
Feedback and Discussion

34



Roadway/Intersection Improvements

CAV Impacts for 2045

Highway Capacity Manual (7th Edition)

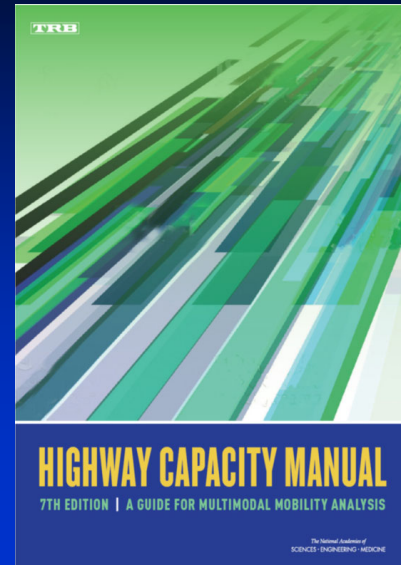
- CAV adjustments for 2045 traffic conditions
- For through movements
- 33% of CAVs in traffic stream
 - Approximately 10% increase in capacity (Base Saturation Flow Rate)

Exhibit 31-64: Base Saturation Flow Rates for CAVs for Through Movements at Signalized Intersections

Proportion of CAVs in Traffic Stream	Base Saturation Flow Rate (pc/h/ln)
0	1,900
20	2,000
40	2,150
60	2,250
80	2,550
100	2,900

Notes: CAV = connected and automated vehicle, defined here as a vehicle with an operating cooperative adaptive cruise control system.

Assumes no interaction with non-motorized road users, no adverse weather impacts, and a facility without driveways or access points impacting saturation flow rates. Interpolate for other CAV proportions.



35



Roadway/Intersection Improvements

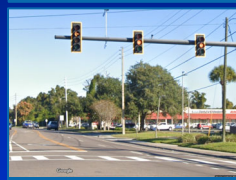
Anticipated Safety Benefits

- Permissive to protected left turns
 - 6% reduction in all crashes
- Exclusive right turn lane
 - 11% reduction in all crash types
- Additional left turn lane
 - 4% reduction in all crash types
- Roundabout
 - 90% fewer fatalities/75% fewer injuries
 - 10-40% fewer pedestrian/bicycle crashes
- Traffic signal
 - 23% fewer crashes versus a stop-controlled intersection
- RCUT
 - 20% fewer crashes versus to a traditional intersection
- DLT
 - 12% fewer crashes compared to a stop-controlled intersection

Traditional/Innovative Intersection Improvements



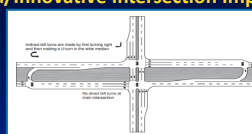
Example Turn Lanes at an Intersection



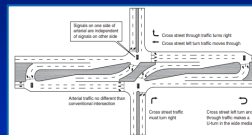
Flashing Yellow Left-turn Signal



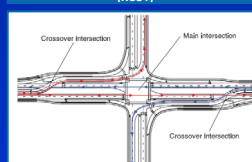
Single Point Urban Interchange (SPUI)



Median U-turn Intersection (MUT)

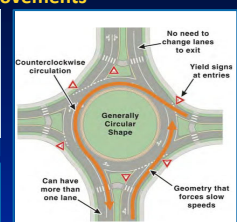


Restricted Crossing U-turn Intersection (RCUT)

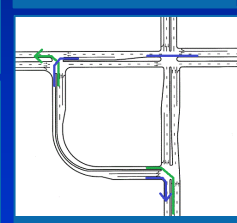


Displaced Left-turn Intersection (DLT)

Source: FHWA

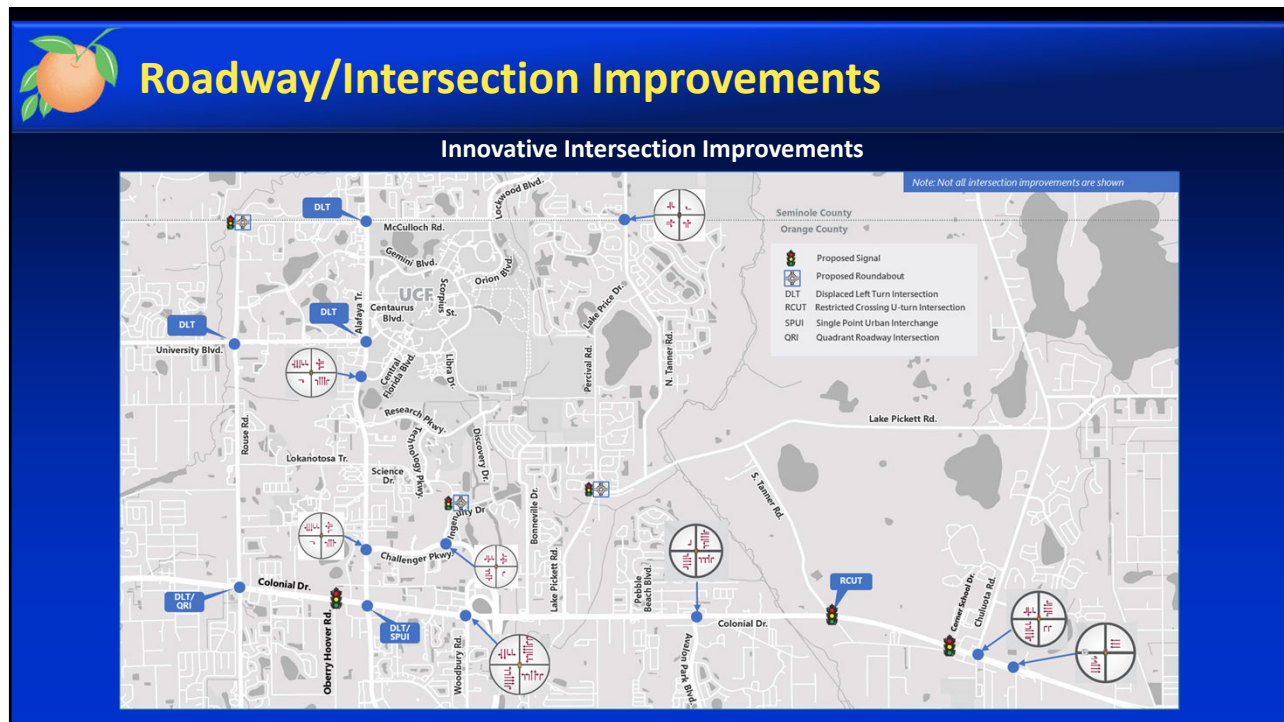


Roundabout



Quadrant Roadway Intersection (QRI)

36



37

Roadway/Intersection Improvements

Safety/Multimodal/ADA Improvements

Anticipated Safety Benefits

- Retroreflective back plates to signal heads
 - 15% reduction in all crashes
- Hardened centerlines/pedestrian refuge
 - 32% reduction in all pedestrian/vehicle crashes
- High-friction surface treatment
 - 58% reduction in wet weather crashes
- High emphasis crosswalks
 - 40% reduction in pedestrian-related crashes
- Lighting improvements
 - 38-42% reduction pedestrian/vehicle crashes
- Advance traffic signs
 - 20% reduction in rear-end & sideswipe crashes
- HAWK/Pedestrian Hybrid Beacon
 - 57% reduction in pedestrian/vehicle crashes
- Detectable warning surfaces on curb ramps
- Tighten corner radii
 - Improves pedestrian/bicycle safety

Example Wayfinding Signage

Retroreflective Back Plates

Perpendicular Right Turns

Hardened Centerlines/Pedestrian Refuge

Lights at Mid-block Intersection

Detectable Warning Curb Ramps

Special Emphasis Markings

Advance Traffic Control Signs


WHAT IS HIGH FRICTION SURFACE TREATMENT? (HFST)

High Friction Surface Treatment (HFST) is pavement surfacing systems with exceptional skid-resistant properties that are not typically required by conventional materials.

38

Roadway/Intersection Improvements

Alafaya Trail & University Boulevard Intersection Improvements




Period	Intersection Improvements	Safety/ADA/ Multimodal Improvements
Short-term Improvements	1 – EB, NB, and SB Right Turn Overlaps 2 – UCF and Alafaya Trail Pedestrian Safety Study Improvements	<ul style="list-style-type: none"> Evaluate intersection lighting to meet FDOT guidelines Add retroreflective back plates to signal heads Provide special emphasis crosswalk markings Reduce curb radii on all intersection corners Install wayfinding signs providing directions to major destinations Consider providing a supplemental signal head for westbound traffic to mitigate horizontal curvature and obscured sight lines of signal heads Consider adding a Leading Pedestrian Interval and blank-out yield to pedestrian signs for all right turns at intersection
Mid-term Improvements	3 – Third NB Left Turn Lane	
Long-term Improvements	4 – Third EB Left Turn Lane (or) 5 – Consider Partial Displaced Left Turn Intersection	

39


Roadway/Intersection Improvements

SR 50 & Avalon Park Boulevard Intersection Improvements

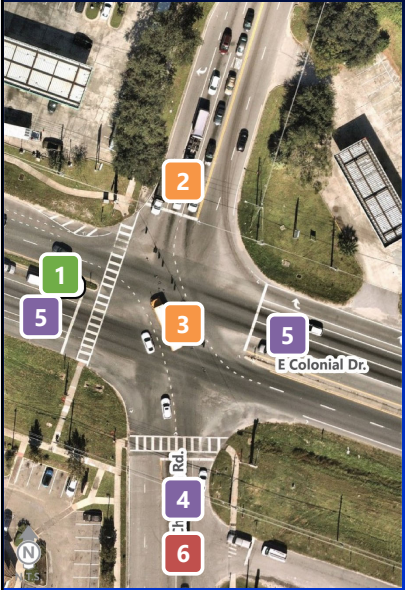


Period	Intersection Improvements	Safety/ADA/ Multimodal Improvements
Short-term Improvements	1 – Adaptive Signal Control	<ul style="list-style-type: none"> Reduce corner radii or consider installing channelizing corner islands with near perpendicular right turn lane design and truck aprons on the southwest and southeast intersection corners Provide curb extension on EB departure leg Upgrade intersection lighting to meet FDOT guidelines
Mid-term Improvements	2 – Additional NB Left Turn Lane 3 – Three EB Through Lanes as part of SR 50 Widening to Six Lanes	
Long-term Improvements	4 – Convert SB Approach to Right-out Only & Provide U-turn West of this Intersection	

40




Roadway/Intersection Improvements




SR 50 & Chuluota Road Intersection Improvements

Period	Intersection Improvements	Safety/ADA/Multimodal Improvements
Short-term Improvements	1 – Second EB Left Turn Lane 2 – Change SB Approach to 2 SB Lefts, 1 SB Through and 1 SB Right 3 – Adaptive Signal Control	<ul style="list-style-type: none"> Consider LPI for southbound right turning movement Evaluate intersection lighting to meet FDOT guidelines Provide lane-line extensions to guide travel along the curved alignments through the intersection on both the SR 50 and Chuluota Rd approaches Revise strain pole configuration to improve signal head placement and visibility Reduce corner radii on the northwest and southeast intersection corners or provide corner islands with near-perpendicular right turn lane design Add retroreflective back plates to signal heads Consider crosswalks on the north and east legs and fill the sidewalk gap to the Gas Station driveway
Mid-term Improvements	4 – Change NB Approach to NB Lefts and add 1 NB Through-Right Turn Lane 5 – Three EB/WB Through Lanes as part of SR 50 Widening to Six Lanes	
Long-term Improvements	6 – Convert NB Approach to Right-out Only & Provide U-turn East of this Intersection	

41



Presentation Outline

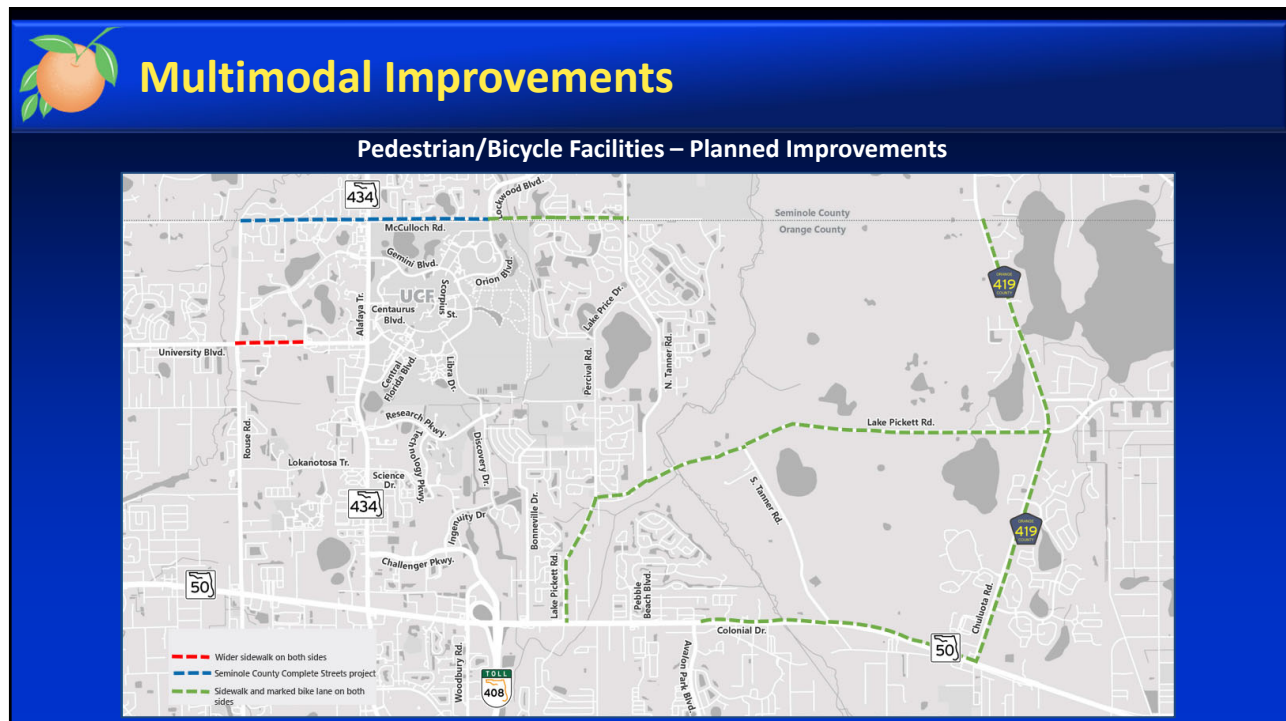


- Study Overview
- Existing Conditions Review
- Historical Crash Analysis
- Future No Build Traffic Conditions
- Roadway/Intersection Improvements
- Multimodal Improvements
- ITS Improvements/Emerging Technologies
- Future Build Traffic Conditions with Programmed/Planned Improvements
- Future Build Traffic Conditions with Needs Improvements
- Study Timeline and Next Steps
- Feedback and Discussion

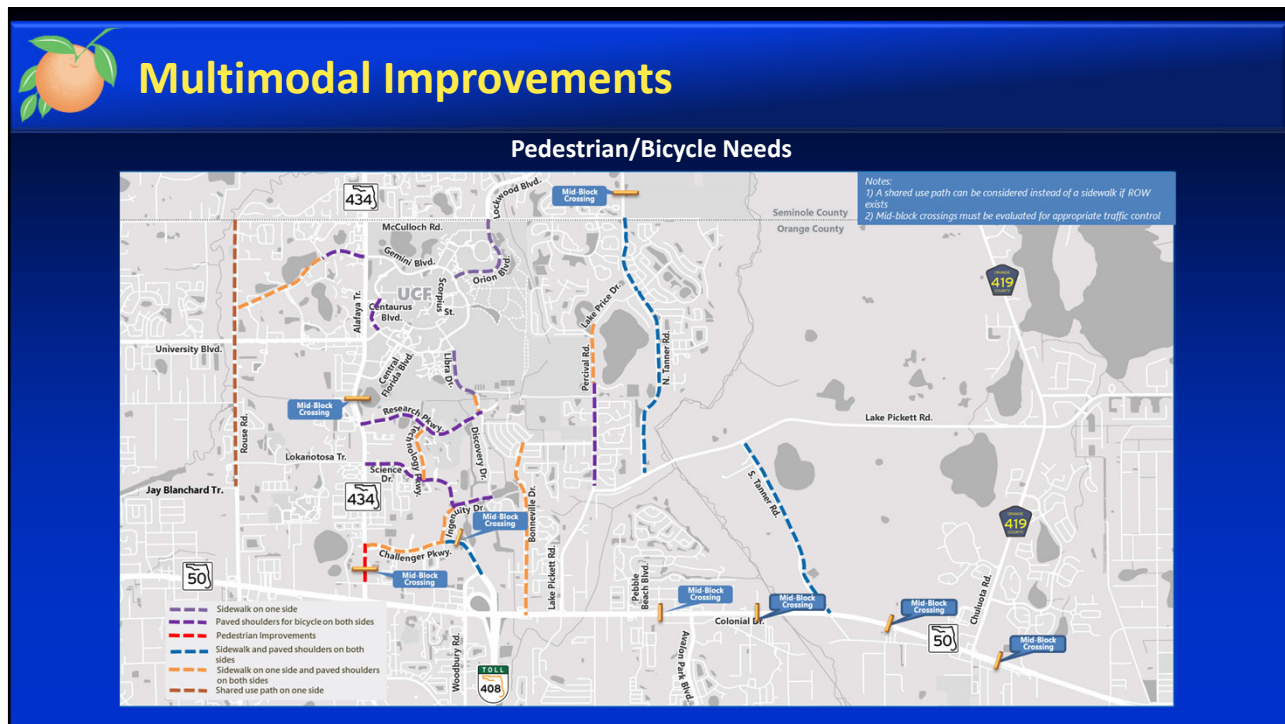
42



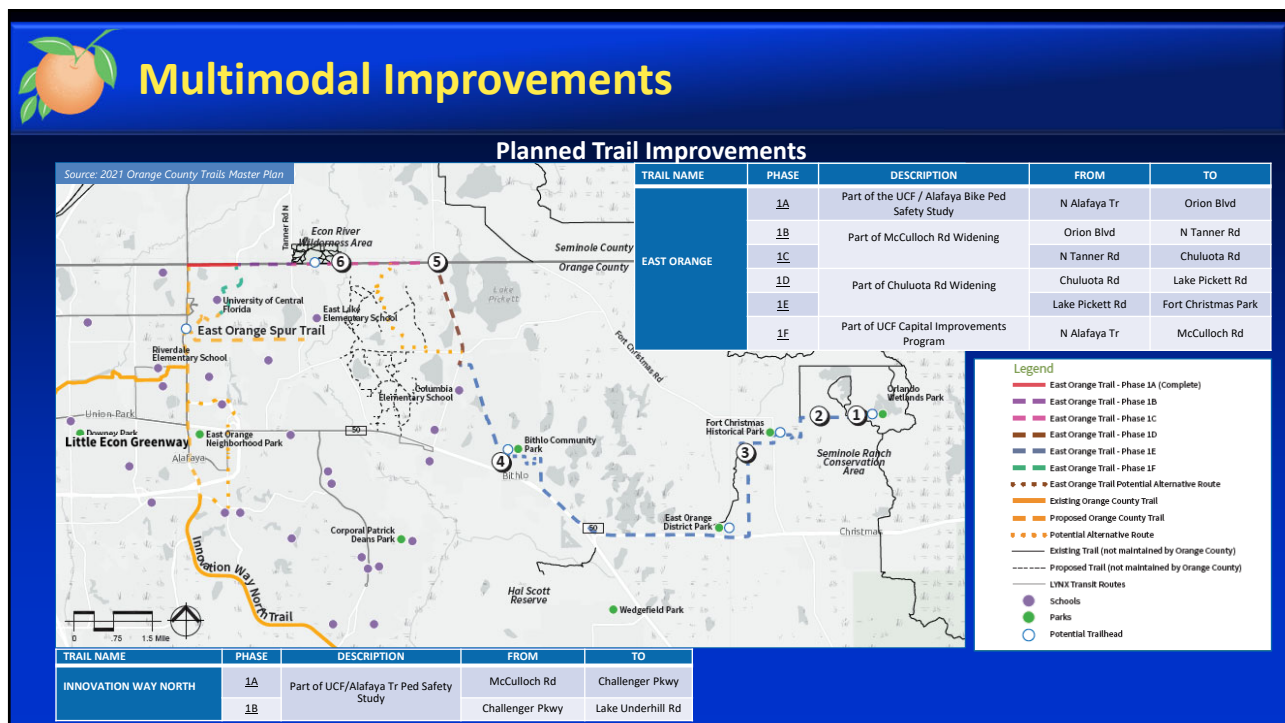
43



44



45



46



Multimodal Improvements

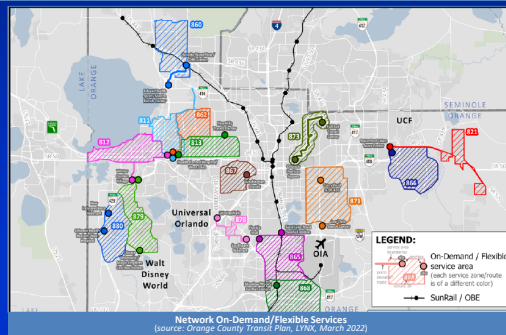
Planned Transit Improvements – LYNX

Orange County Transit Plan – Enhanced Service

- Enhanced service in existing zones (Curb to Curb)
- 11 New Enhanced On-Demand/Flexible Routes/Zones
 - Bithlo Neighborhood
 - Waterford Lakes/Avalon Park NeighborLink
- Four Express Routes
 - Increased frequencies/Connections to Rail Station & transfer centers
- Bus Rapid Transit (BRT) Corridor between Ocoee and UCF
 - 20–30-minute frequency
- UCF to Oviedo via Lockwood Blvd

Route Number	Route Name	Frequency (Weekday)
Planned Routes (Future Condition)		
104	SR 50 UCF-Downtown	20-30 min
204	SR 50 Limited Stop	20 min
308	UCF-Downtown Regional Express	30 min
311B	UCF-Medical City/Lake Nona - Meadowlands Regional Express	30 min
401A	Waterford Lakes Commuter Express	30 min
401B	Waterford Lakes Commuter Express (Pattern of 401A)	30 min
506	Lake Underhill-UCF	30 min
522	UCF-SR 436/Aloma	30 min
600B	Red Bug Lake/Alafaya	60 min
601	Oviedo/Lockwood	60 min
821	Bithlo NeighborLink (On-Demand/Flex-Route Hybrid)	Flexible (30 min)
866	Waterford Lakes/Avalon Park (On-Demand/Flex Zone)	Flexible (30 min)

Source: Orange County Transit Plan, LYNX, March 2022



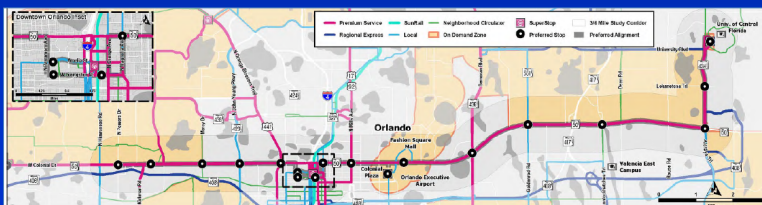
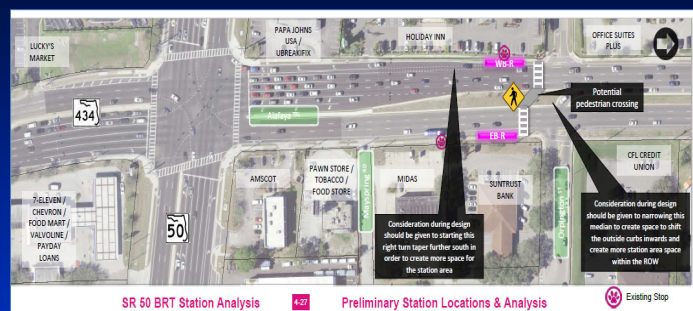
47



Multimodal Improvements

SR 50 Bus Rapid Transit (BRT) Corridor

- Recommended as part of 2013 SR 50/UCF Connector Alternatives Analysis
- Bus Stations in NEOCATS Area
 - Alafaya Tr and Loranotosa Tr
 - Alafaya Tr and SR 50
- Transit Signal Priority (TSP) recommended for the entire BRT



48

Multimodal Improvements

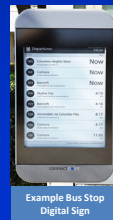
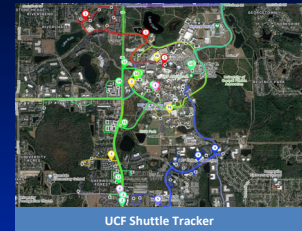
Travel Demand Management (TDM) Strategies

- New NeighborLinks (Expansion Area/On-Demand)
- Transportation Management Organization (TMO)
- Transit Marketing, Real-Time Information, and Wayfinding
- Special Transit Benefits Zone
- Active Transportation Commuter Stations
- Dedicated Traffic Safety Instructor
- Mobility Hub (UCF SuperStop) and Facility Enhancement
- Express Bus Service and New Park & Ride Lots (TSP/Queue Jumps)

Anticipated Vehicle Trip Reduction
5-15% for NEOCATS

National Evidence on TDM Program Impacts Vehicle Trip Reduction from Background Conditions

TDM Program or Strategy	High Transit	Moderate Transit	Low Transit
Support, Promotion, Information	3-5%	1-3%	< 1%
Alternative Commute Services	5-10%	5-10%	1-3%
Financial Incentives	10-20%	5-15%	1-5%
Combined Strategies			
With Free Parking	15-20%	10-15%	3-7%
With Paid Parking	25-30%	15-20%	N/A



49

Presentation Outline



Study Overview

Existing Conditions Review

Historical Crash Analysis

Future No Build Traffic Conditions

Roadway/Intersection Improvements

Multimodal Improvements

ITS Improvements/Emerging Technologies

Future Build Traffic Conditions with Programmed/Planned Improvements

Future Build Traffic Conditions with Needs Improvements



Study Timeline and Next Steps



Feedback and Discussion



50

ITS Improvements/Emerging Technologies

Period	ITS Project	Description
Short-term	SR 50 Adaptive Signal System (Forsyth Rd to Avalon Park Blvd)	Install an adaptive signal system
	Intelligent Transportation Systems/Customer Information Systems/Travel Planning	Test upcoming transit technologies and real time transit dissemination applications
	Data Sharing Application	Access real-time information from other agencies (dashboard with performance measures, and tools to measure performance and communicate information)
	Active Arterial Management (AAM)	AAM is a collection of strategies for managed corridors and an integrated regional system. Strategies include traveler information, signal timing, and more.
Mid-term	Connected Vehicle Pilot Project	Test connected vehicle strategies
	UCF - Bicycle and Pedestrian Innovative ITS Solution	Install bicycle and pedestrian ITS technologies
	CAV Technology Ready Corridors	Vehicle-to-vehicle (V2V) & Vehicle-to-Infrastructure (V2I), Roadside Units & Communications Infrastructure Congestion alerts, collision avoidance, weather alerts, blind spot alerts, pedestrians nearby etc. Can be combined with adaptive traffic control system
	Install speed/volume sensors, Bluetooth devices, and Arterial DMS (ADMS)	Disseminate real-time traffic information, detour routing for incidents, construction & event information Measure near real-time/historic travel time & origin-destination information for performance reporting and optimization





51

ITS Improvements/Emerging Technologies

- Deploy smart technologies in Central Florida - Four distinct programs
- Funded by FHWA grant and local matching funds
- PedSafe – hardware installations complete
 - Innovative ped/bike collision avoidance system that will operate with CV technologies
 - Pilot deployment at/between signals on Alafaya Tr adjacent to UCF
- Greenway - CV Technologies installed at 33 signals (Orange County)
 - Cellular vehicle-to-everything (C-V2X) roadside units (RSU),
 - Emergency vehicle preemption (EVP),
 - Transit signal priority (TSP)
 - Passive pedestrian detection (PPD) technology
 - Initially will be used by UCF transit /first responder vehicles
- Smart Community
 - District's 1st autonomous vehicle (AV) shuttles (2) within UCF
 - Surface Parking Management
- SunStore – FDOT's Data Storage & Research Sharing Initiative

ATTAIN Central Florida



Source: <https://cflsmartroads.com/projects/ATTAIN-CFL.html>

52



Presentation Outline



Study Overview

Existing Conditions Review

Historical Crash Analysis

Future No Build Traffic Conditions

Roadway/Intersection Improvements

Multimodal Improvements

ITS Improvements/Emerging Technologies

Future Build Traffic Conditions with Programmed/Planned Improvements

Future Build Traffic Conditions with Needs Improvements

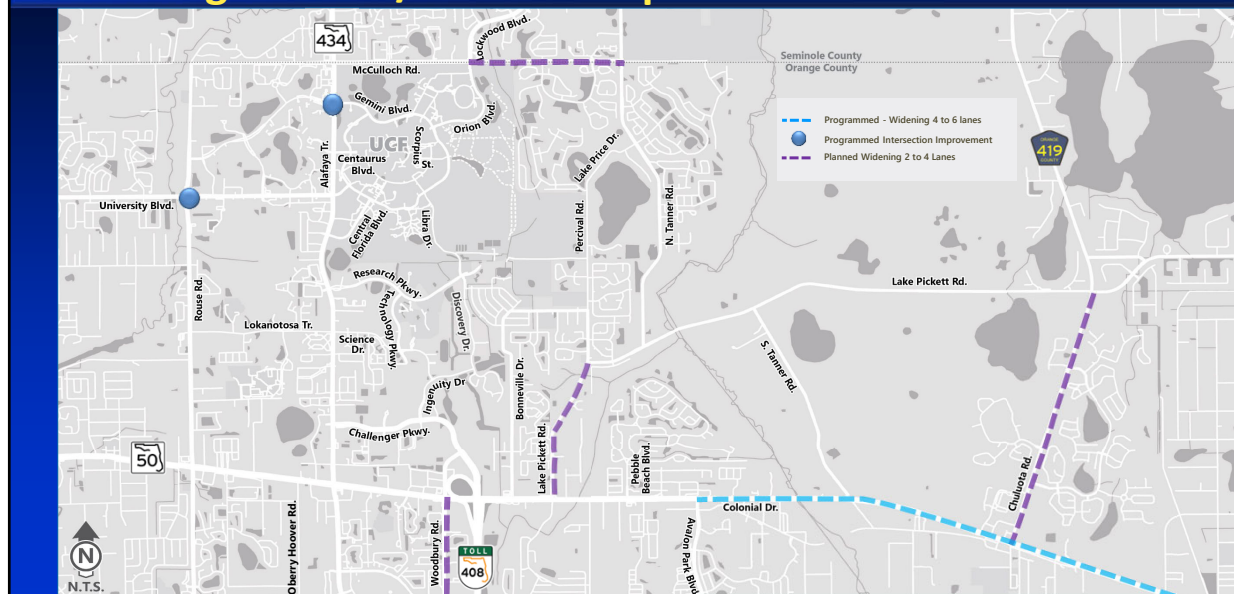
Study Timeline and Next Steps

Feedback and Discussion

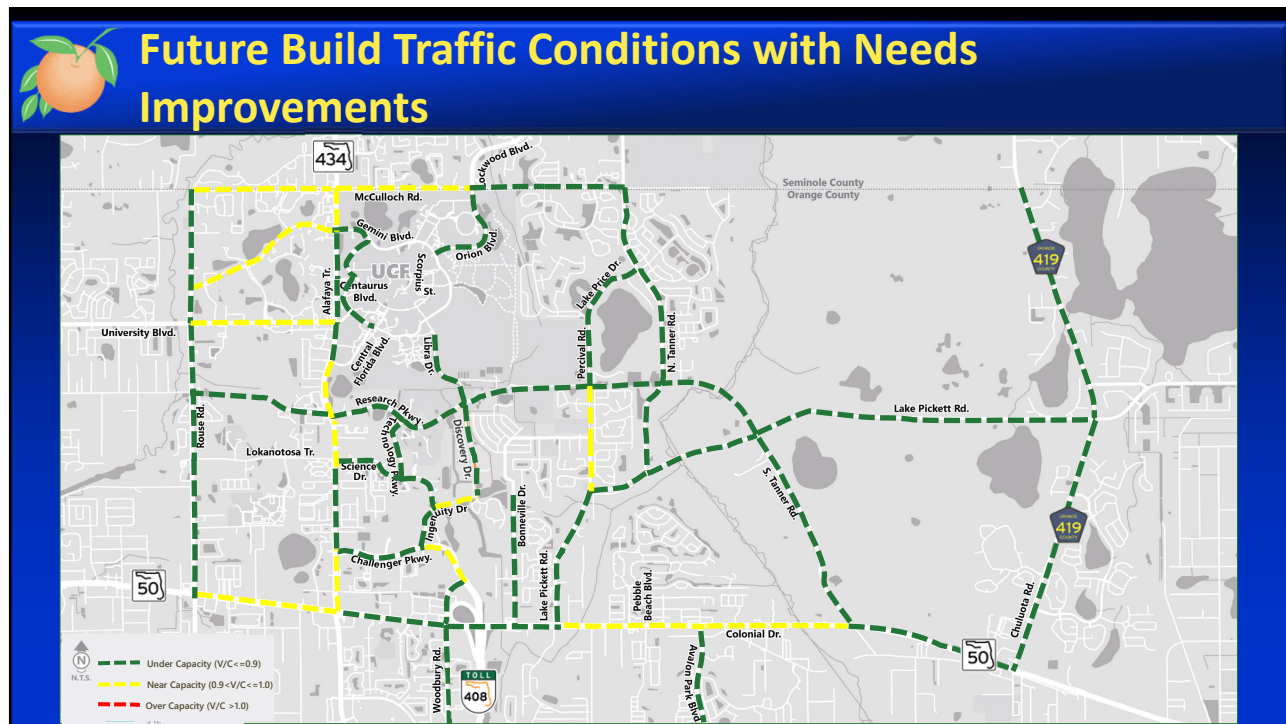
53



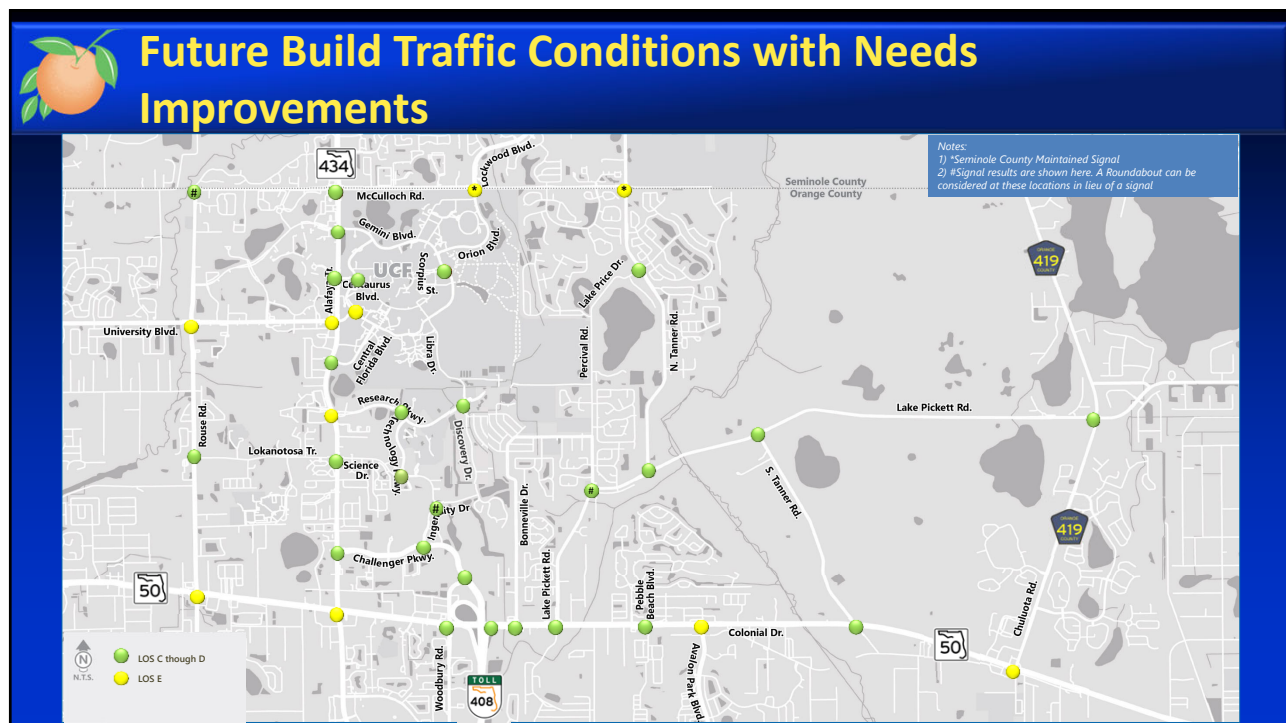
Future Build Traffic Conditions with Programmed/Planned Improvements



54



59



60



Future Build Traffic Conditions with Needs Improvements

Alternatives Comparison

No Build

- Existing + Committed Improvements

Build 1 (Cost-Feasible Plan)

- Existing + Committed + Planned Improvements

Build 2 (Needs Plan)

- Existing + Committed + Planned Improvements + Roadway/Intersection Needs

Evaluation Matrix

Evaluation Criteria	Project Alternatives		
	No Build	Build 1	Build 2
Traffic Operations & Safety			
Accommodates future traffic demand ¹	Low	Moderate	High
Provides multimodal improvements (ranking)	Good	Better	Best
Improves safety (ranking)	Good	Better	Best
Potential Community Impacts			
Right-of-Way Potentially Needed (Low/Moderate/High) ²	Low	Moderate	High
Potential Historic/Archaeological Impacts (Low/Moderate/High) ³	Low	Low	Low
Potential Utility Impacts (Low/Moderate/High) ³	Moderate	Moderate	Moderate
Potential Environmental Impacts			
Wetlands (Low/Moderate/High) ³	Low	Moderate	Moderate
Floodplains (Low/Moderate/High) ³	Moderate	Moderate	High
Threatened & Endangered Species (Low/Moderate/High) ³	Low	Low	Low
Potential Contamination Sites (Low/Moderate/High) ³	Moderate	Moderate	Moderate
Estimated Project Cost (\$ Million)⁴			
Estimated Total Cost	70.0	269.0	452.0
B/C Ratio Relative to No Build Alternative⁵			
Value	-	11.7	7.6

Notes:

1 - Based on the number of failing study roadway segments and intersections

2 - Based on available parcel data from Orange County Property Appraiser

3 - Based on NEOCATS Existing Environmental Conditions Report and future roadway improvements

4 - Based on cost estimates provided for the roadway, intersection and multimodal (pedestrian/bicycle) improvements

5 - B/C ratio is calculated for operational benefits (time and fuel saved) of the two Build Alternatives relative to the No Build Alternative. Only roadway and intersection improvement costs are considered in the B/C ratio calculations

61



Presentation Outline



Study Overview

Existing Conditions Review

Historical Crash Analysis

Future No Build Traffic Conditions

Roadway/Intersection Improvements

Multimodal Improvements

ITS Improvements/Emerging Technologies

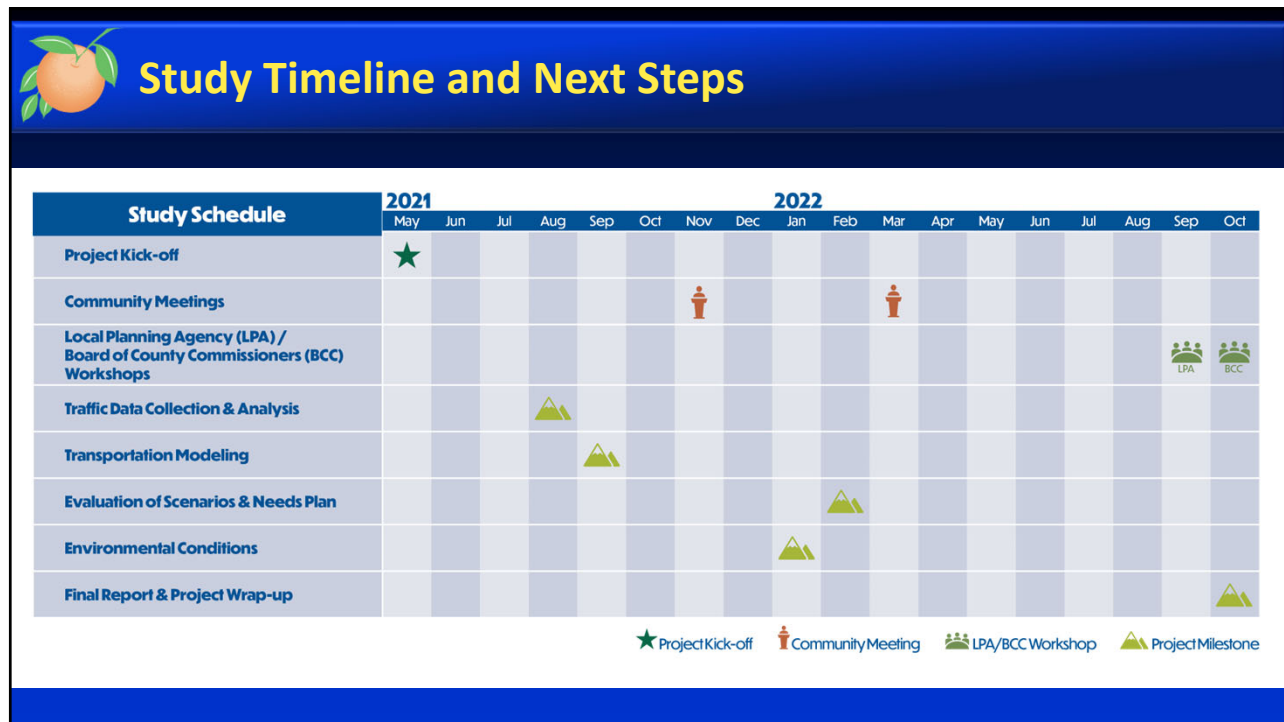
Future Build Traffic Conditions with Programmed/Planned Improvements

Future Build Traffic Conditions with Needs Improvements

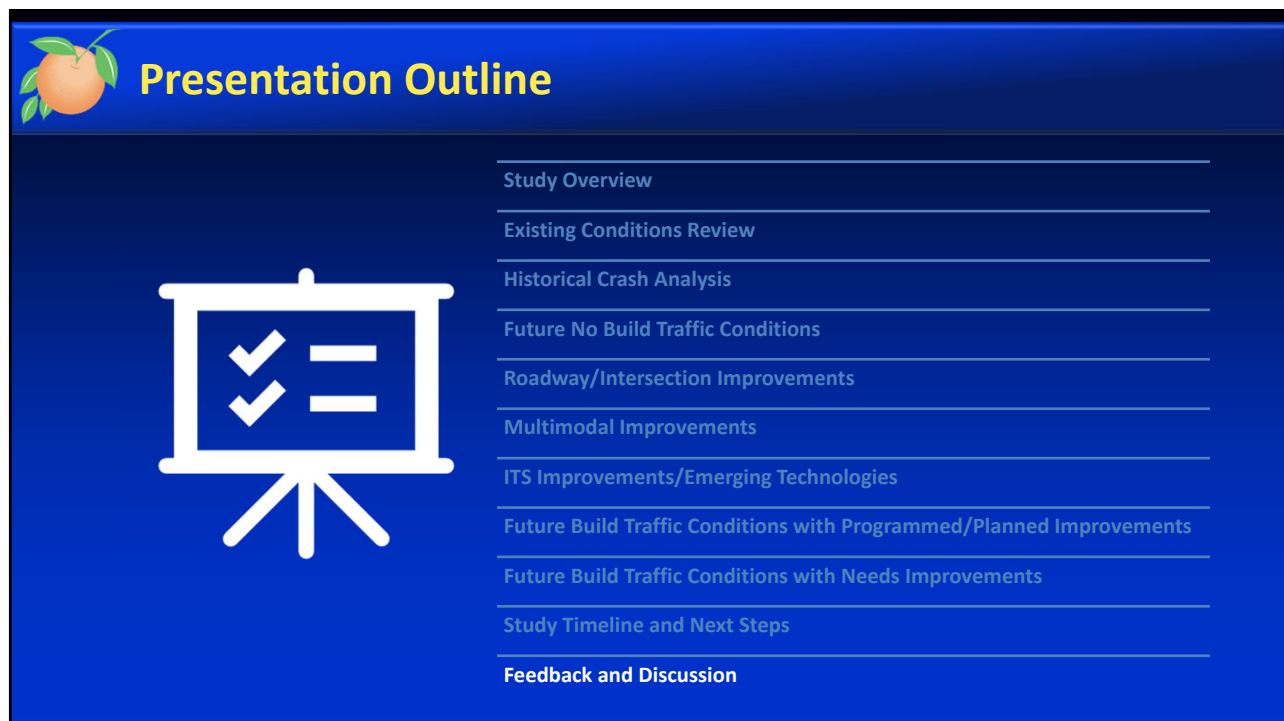
Study Timeline and Next Steps

Feedback and Discussion

62




63



64



Feedback and Discussion




Hatem A. Abou-Senna, PhD., P.E.
 Project Manager
 Orange County Transportation Planning Division
 4200 S. John Young Pkwy.
 Orlando, FL. 32839
 (407) 836-8023


Babuji Ambikapathy, AICP, P.E.
 Consultant Project Manager
 225 E. Robinson Street, Suite 300
 Landmark Center Two
 Orlando, FL 32801-4326
 (407) 230-2762


www.neocatstudy.com
 @OrangeCoFL
  Orange County, Florida Government

65



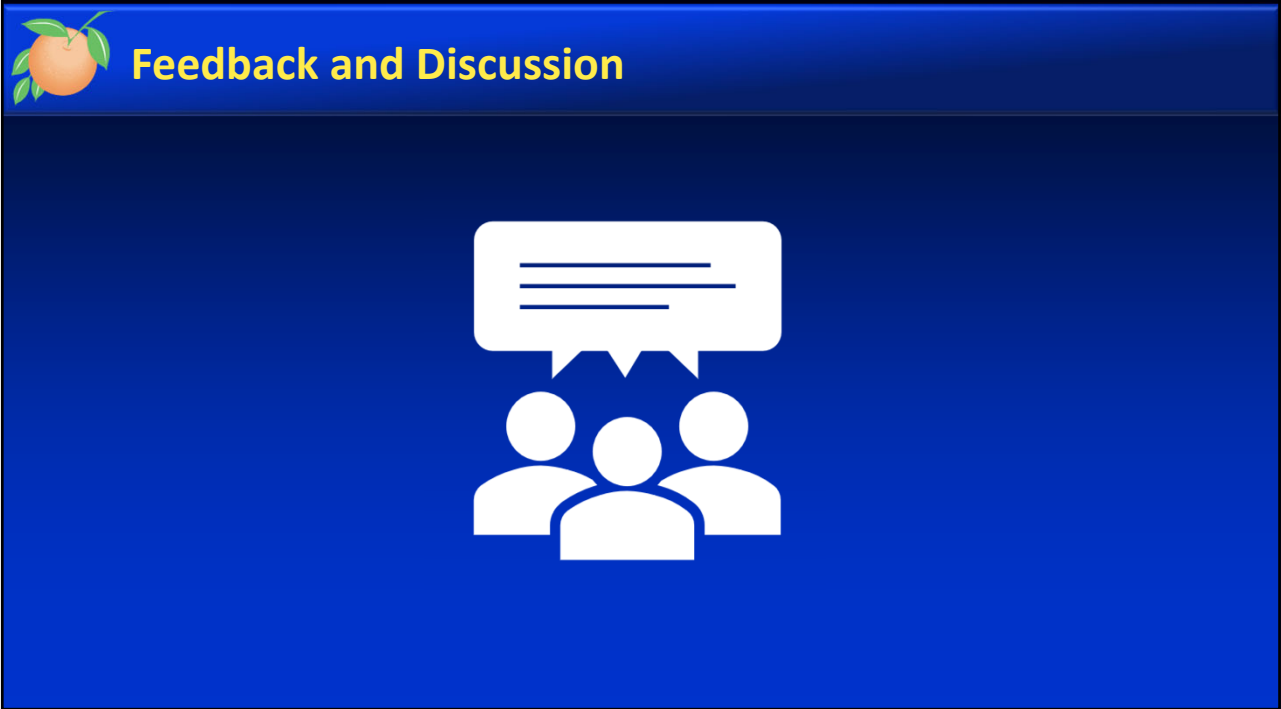
Feedback and Discussion



Visit the project web page.

We want to know what you think!

66



67

APPENDIX F

Board of County Commissioners Meeting

Meeting Summary

Date: October 11, 2022

**Summary
Prepared By:** Asha/VHB

VHB Project No.: 63835.00

Project Name: NEOCATS (North East Orange County
Areawide Transportation Study)

Orange County Board of County Commissioners (BCC) Meeting

Attendees:

Orange County

- Hatem Abou-Senna (Orange County PM)
- Renzo Nastasi

BCC

- Jerry L. Demings, Orange County Mayor
- Commissioner Nicole H. Wilson, District 1
- Commissioner Christine Moore, District 2
- Commissioner Mayra Uribe, District 3
- Commissioner Maribel Gomez Cordero, District 4
- Commissioner Emily Bonilla, District 5

- Commissioner Victoria Siplin, District 6

Consultant Team

- Babuji Ambikapathy (VHB Consultant PM)
- Srinivas Kandala (VHB)
- Nikki Melendez (VHB)
- Shannon Ruby Julien (VHB)
- Christy Lofye (Inwood)
- Jason Houck (Inwood)
- Rohan Sadhai (Asha)-remote attendance

The Orange County Board of County Commissioners (BCC) held their regularly scheduled Commissioners Meeting on Tuesday, October 11, 2022, at the BCC chambers located at 201 S. Rosalind Avenue, Orlando, FL 32801. The BCC agenda is attached for reference. At this meeting, Hatem Abou-Senna presented the findings of the North East Orange County Areawide Transportation Study (NEOCATS) to the Commissioners and requested that the BCC accept the NEOCATS Needs Plan Study Report.

Commissioners Moore, Wilson, Uribe and Bonilla provided comments. A video recording of the meeting can be found on the Orange County website at <https://netapps.ocfl.net/Mod/meetings/1>. Detailed minutes of the meeting will also be placed on the Orange County Comptroller's website at a later date, located at <https://occompt.legistar.com/Calendar.aspx>.

The NEOCATS Needs Plan Study Report was accepted by the Commission by a vote of 4 to 1; Commissioner Nicole Wilson opposed and Commissioner Gomez Cordero was not present for the vote.



AGENDA

Orange County Government • Board of County Commissioners • 201 South Rosalind Avenue
County Commission Chambers • 1st Floor • County Administration Center
www.OrangeCountyFL.net

TUESDAY, OCTOBER 11, 2022

MEETING STARTS AT 9:00 a.m.

- Invocation – Mayor
- Pledge of Allegiance
- Presentation of a proclamation recognizing October as Energy Awareness Month
- Presentation of a proclamation recognizing October 11, 2022 as Orange County Veterans Services Office Day
- Public Comment*

I. CONSENT AGENDA

A. COUNTY MAYOR

1. Confirmation of the Mayor's managerial appointment of Yvette Best as the Director of the Human Resources Department.
2. Confirmation of the Mayor's managerial appointment of Brett W. Blackadar, P.E., PMO, PTOE, Deputy Director, Public Works Department.

B. COUNTY COMPTROLLER

1. Approval and execution of the minutes of the September 8, 2022 meeting of the Board of County Commissioners. **(Clerk's Office)**
2. Approval of the check register authorizing the most recently disbursed County funds, having been certified that same have not been drawn on overexpended accounts. **(Finance/Accounting)**

CONTINUED

*Pursuant to Section 209 of the Orange County Charter, as amended on Nov. 4, 2008, the Board of County Commissioners must set aside at least 15 minutes at the beginning of each regular meeting for citizens to speak to the Board on any matter of public interest under the Board's authority and jurisdiction, regardless of whether the public issue is on the Board's agenda, but excluding matters that are not appropriate for public discussion, such as pending procurement or land use issues.

TUESDAY, OCTOBER 11, 2022

I. CONSENT AGENDA (Continued)

C. COUNTY ADMINISTRATOR

1. Approval for the Orange County Sheriff's Office to spend \$25,000 from the FY 2023 Law Enforcement Trust Fund-State Forfeitures for eligible contributions to the Legal Aid Society (\$5,000) and Victim Advocate Squad (\$20,000). **(Office of Management and Budget)**
2. Approval for the Orange County Sheriff's Office to spend \$20,716.92 for LMT Short Barreled Rifles from the FY 2023 Law Enforcement Trust Fund-Federal Forfeitures. **(Office of Management and Budget)**
3. Approval to disburse payment to the Florida Association of Counties for membership dues totaling \$130,039 as provided in the FY 2022-23 adopted budget. **(Office of Management and Budget)**
4. Approval and execution of Service Funding Agreements between Orange County and Seniors First, Inc. (\$95,418), the Orange County Bar Association, Inc. (\$102,228), and the Legal Aid Society of the Orange County Bar Association, Inc. (\$1,331,128) Fiscal Year 2022-2023. **(Office of Management and Budget)**
5. Approval of budget amendments #22-69, #22-70, #22-71, #22-72, #22-73, and #23-01. **(Office of Management and Budget)**
6. Approval of budget transfers #22-1270, #22-1272, #22-1309, #22-1310, #23C-0001, #23C-0002, #23C-0003, #23C-0004, #23C-0005, #23C-0006, #23C-0007, #23C-0008, #23C-0009, #23C-0010, and #23C-0011. **(Office of Management and Budget)**
7. Approval of CIP amendments #23C-0001, #23C-0002, #23C-0003, #23C-0004, #23C-0005, #23C-0006, #23C-0007, #23C-0008, #23C-0009, #23C-0010, and #23C-0011. **(Office of Management and Budget)**

D. COUNTY ATTORNEY

1. Approval of revised Administrative Regulation 7.10, titled "Local Mileage" and Administrative Regulation 7.12, titled "Non-Local Travel and Training."

CONTINUED

TUESDAY, OCTOBER 11, 2022

I. CONSENT AGENDA (Continued)

E. ADMINISTRATIVE SERVICES DEPARTMENT

1. Approval and execution of Modification to Subgrant Agreement between the Division of Emergency Management and Orange County Board of County Commissioners Contract Number: F0005 Project Number: DEM-SR00005 to amend the period of agreement expiration date from December 31, 2022 to December 31, 2023, and modify the scope of work by removing the Goldenrod Recreation Gym and authorization for the Mayor or designee to execute any further necessary amendments to such Grant Agreement that do not change the scope of the project or increase the overall project budget. **(Capital Projects Division)**
2. Approval to award Invitation for Bids Y22-191-KK, Exterior Painting and Pressure Washing for Utilities Department, to the low responsive and responsible bidder, Directa, LLC. The estimated contract award amount is \$262,032.50 for a one-year term. ([Utilities Department Fiscal and Operational Support Division] **Procurement Division**)
3. Approval to award Invitation for Bids Y22-1007-KK, Mobile Dialysis Services for Orange County Corrections, to the sole responsive and responsible bidder, Mobil Dialysis, Inc. The estimated annual contract award amount is \$210,000 for a one-year term. ([Health Services Department Corrections Health Division] **Procurement Division**)
4. Approval to award Invitation for Bids Y22-1027-MV, Staff Augmentation – Manual Labor, to the low responsive and responsible bidder, Tampa Service Company, Inc. The estimated contract award amount is \$879,375 for a one-year term. ([Utilities Department Water Reclamation Division] **Procurement Division**)
5. Approval to award Invitation for Bids Y22-1059-AV, Bulk Rock Salt NOC-17F, to the low responsive and responsible bidder, Odyssey Manufacturing Company. The estimated contract award amount is \$230,625 for a one-year term. ([Utilities Department Water Division] **Procurement Division**)
6. Approval to award Invitation for Bids Y22-7018-CC, Parks Recreation Center Envelope Protection, to the low responsive and responsible bidder, CIC Construction Group USA, LLC. The total contract award amount is \$1,156,607. ([Administrative Services Department Capital Projects Division] **Procurement Division**)
7. Approval of Contract Y23-600, Multi-Site Upgrades for all Virtual Private LAN Service Sites, with Centurylink Communications, LLC dba Lumen Technologies Group, in the total contract award amount of \$668,304 for a three-year term. ([Administration and Fiscal Services Information Systems and Services Division] **Procurement Division**)

CONTINUED

TUESDAY, OCTOBER 11, 2022

I. CONSENT AGENDA (Continued)

E. ADMINISTRATIVE SERVICES DEPARTMENT (Continued)

8. Approval of Contract Y23-131, Providing Parent Child Interaction Therapy (PCIT) Training, with Kinder Consulting & Parents, Too, Inc., in the total contract award amount of \$294,000. ([Community and Family Services Department Mental Health and Homelessness Issues Division] **Procurement Division**)
9. Approval of Contract Y23-2500, Ending the HIV Epidemic (EHE) Short Term Housing Assistance and Case Management Services, with Hope and Help Center of Central Florida, Inc., in the contract award amount of \$273,913.04 for a one-year term. ([Health Services Department Fiscal and Operational Support Division] **Procurement Division**)
10. Approval of Contract Y23-2501, Ending the HIV Epidemic (EHE) Short Term Housing Assistance and Case Management Services, with Miracles of Love, Inc., in the contract award amount of \$426,086.96 for a one-year term. ([Health Services Department Fiscal and Operational Support Division] **Procurement Division**)
11. Approval of Amendment No. 5, Contract Y19-186B, Removal and Processing Waste Tires, Lot B, with Empire Tire of Edgewater, LLC, in the amount of \$166,500, for a revised contract amount of \$185,000. ([Utilities Department Solid Waste Division] **Procurement Division**)
12. Approval of Amendment No. 1, Contract Y22-2404, Job Placement, Training, and Employment Related Services, Federal Subrecipient Agreement, with Central Florida Regional Workforce Development Board, Inc., in the amount of \$5,000,000, for revised total contract amount of \$15,294,215. ([Community and Family Services Department Fiscal and Operational Support Division] **Procurement Division**)
13. Ratification of Amendment No. 6, Contract Y18-1124, Motor Fuel Transport Deliveries, with Palmdale Oil Company, Inc., in the amount of \$282,708, for a revised total contract amount of \$2,277,708. ([Administrative Services Department Fleet Management Division] **Procurement Division**)
14. Selection of AVCON Inc. to provide Little Econ Phase 3 – S.R. 436 Pedestrian Bridge (South of Baldwin Park Street / Auvers Boulevard) – Independent Peer Review for Professional (I.P.R.) Services, Request for Proposals Y22-805-MB ([Public Works Department Engineering Division] **Procurement Division**)
15. Approval and execution of Lease Agreement between Adanson Opportunity Fund LLC (“Landlord”) and Orange County, Florida (“Tenant”) and authorization for the Real Estate Management Division to exercise renewal options, estoppel certificates, and furnish notices, required or allowed by the lease, as needed for Court Administration - Clerk of Courts Lease Agreement 5135 Adanson Street, Suite 900, Orlando, Florida 32804. Lease File #10152. District 5. (**Real Estate Management Division**)

CONTINUED

I. CONSENT AGENDA (Continued)

TUESDAY, OCTOBER 11, 2022

E. ADMINISTRATIVE SERVICES DEPARTMENT (Continued)

16. Approval and execution of License Agreement between Orange County, Florida and Second Harvest Food Bank of Central Florida, Inc., related to Not-For-Profit Community Center Utilization for the Provision of Services Benefitting the Public and authorization for the Manager of the Community Action Division to exercise renewal options, and furnish notices, required or allowed by the license agreement, as needed for Second Harvest Food Bank of Central Florida, Inc. - East Orange Community Center (CAD) 12050 E Colonial Dr., Orlando, Florida 32826. Lease File #10017. District 4. **(Real Estate Management Division)**
17. Approval and execution of License Agreement between Orange County, Florida and Second Harvest Food Bank of Central Florida, Inc., related to Not-For-Profit Community Center Utilization for the Provision of Services Benefitting the Public and authorization for the Manager of the Community Action Division to exercise renewal options, and furnish notices, required or allowed by the license agreement, as needed for Second Harvest Food Bank of Central Florida, Inc. - Holden Heights Community Center (CAD) 1201 20th Street, Orlando, Florida 32805. Lease File #10176. District 6. **(Real Estate Management Division)**
18. Approval and execution of License Agreement between Orange County, Florida and Second Harvest Food Bank of Central Florida, Inc., Related to Not-For-Profit Community Center Utilization for the Provision of Services Benefitting the Public and authorization for the Manager of the Community Action Division to exercise renewal options, and furnish notices, required or allowed by the license agreement, as needed for Second Harvest Food Bank of Central Florida, Inc. - Taft Community Center (CAD) 9450 S. Orange Ave., Orlando, Florida 32824. Lease File #10016. District 3. **(Real Estate Management Division)**

F. CONVENTION CENTER

1. Approval and execution of Transit Station License Agreement LYNX Agreement Number A-55 by and between Orange County and the Central Florida Regional Transportation Authority, d/b/a LYNX and Transit Station License Agreement (Destination Parkway Intermodal Center) by and between Orange County and the International Drive Master Transit and Improvement District. **(Facility Operations Division)**

CONTINUED

I. CONSENT AGENDA (Continued)

TUESDAY, OCTOBER 11, 2022

G. FIRE RESCUE DEPARTMENT

1. Approval and execution of State-Funded Grant Agreement Urban Search and Rescue Grant Agreement Number: T0229 by the State of Florida, Division of Emergency Management and Orange County Fire Rescue in the amount of \$1,178,315.85. There is no local match required. **(Operations Division)**

H. PLANNING, ENVIRONMENTAL, AND DEVELOPMENT SERVICES DEPARTMENT

1. Approval of a One-Year Time Extension of After-the-Fact Shoreline Alteration/Dredge and Fill Permit SADF-18-09-024 for DCML Enterprises, LLC. District 5. **(Environmental Protection Division)**
2. Approval and execution of Developer's Agreement for the Construction of Affordable Townhomes between Orange County, Florida and Hannibal Square Community Land Trust, Inc. regarding the Cornerstone at Sixth providing gap financing in the amount of \$750,000 from the Housing Trust Fund and \$750,000 from the Hurricane Housing Recover Program. District 2. **(Housing and Community Development Division)**
3. Approval and execution of Release of Restrictive Covenant by Orange County, Florida to and for the benefit of NCBCP Limited Partnership for a Multi-family Affordable Housing Developer's Agreement. District 6. **(Housing and Community Development Division)**

I. PUBLIC WORKS DEPARTMENT

1. Authorization to record the plat of O-Town Town Center North. District 1. **(Development Engineering Division)**
2. Authorization to record the Right-of-way Declaration and Maintenance Map for Winona Drive. District 3. **(Roads and Drainage Division)**
3. Approval and execution of Interlocal Agreement between Orange County, Florida and the Ranger Drainage District regarding Improvements to and Maintenance of Drainage Infrastructure and Roads. District 5. **(Roads and Drainage Division)**

CONTINUED

TUESDAY, OCTOBER 11, 2022

I. CONSENT AGENDA (Continued)

J. UTILITIES DEPARTMENT

1. Approval of commercial refuse license for Trash Taxi Corp to provide solid waste hauling services to commercial generators in Orange County for a five-year term. All Districts. **(Solid Waste Division)**
2. Approval of commercial refuse license for We Got This Hauling LLC to provide solid waste hauling services to commercial generators in Orange County for a five-year term. All Districts. **(Solid Waste Division)**
3. Approval of commercial refuse license for Liberty Hauling Service, LLC to provide solid waste hauling services to commercial generators in Orange County for a five-year term. All Districts. **(Solid Waste Division)**
4. Approval and execution of Change Order Number 1, Contract Y20-731 Pump Station Package 23 Improvements, with Prime Construction Group Inc. in the amount of \$194,191.61, for a revised total contract amount of \$2,359,191.61. Districts 1, 4, and 6. **(Field Services Division)**

CONTINUED

TUESDAY, OCTOBER 11, 2022

II. INFORMATIONAL ITEMS**

A. COUNTY COMPTROLLER

1. Receipt of the following items to file for the record: **(Clerk's Office)**
 - a. City of Orlando Council Agenda Item for the meeting of September 12, 2022. City of Orlando Ordinance with Exhibit A (Map), Orlando Sentinel Notice of Proposed Enactment for Proposed Ordinance No. 2022-51 entitled: An Ordinance of the City Council of the City of Orlando, Florida, relating to a street name change; renaming "Marquise Court" which is described in the plat of Clear Lake Cove, according to the plat thereof, as recorded in Plat Book 1, Page 88, of the public records of Orange County, Florida, generally located between Monte Carlo Trail and Piedmont Street, to Nelson Pinder Circle; directing amendments to the official maps of the City of Orlando, Florida; providing for severability, correction of scrivener' errors, and an effective date.
 - b. City of Orlando Ordinance No. 2022-51 adopted by City Council on September 12, 2022. City of Orlando Ordinance with Exhibit A (Map), Orlando Sentinel Notice of Proposed Enactment for Proposed Ordinance 2022-51 entitled: An Ordinance of the City Council of the City of Orlando, Florida, relating to a street name change; renaming "Marquise Court" which is described in the plat of Clear Lake Cove, according to the plat thereof, as recorded in Plat Book 1, page 88, of the public records of Orange County, Florida, generally located between Monte Carlo Trail and Piedmont Street, to Nelson Pinder Circle; directing amendments to the official maps of the City of Orlando, Florida; providing for severability, correction of scrivener' errors, and an effective date.

****With respect to informational items, Board action is neither required nor necessary, and Board approval (or disapproval) is not to be implied.**

CONTINUED

TUESDAY, OCTOBER 11, 2022

III. DISCUSSION AGENDA

A. COUNTY ADMINISTRATOR

1. Hurricane Ian Update.

B. COMMUNITY AND FAMILY SERVICES DEPARTMENT

1. Head Start Annual Program Update. **(Head Start Division)**

C. PLANNING, ENVIRONMENTAL, AND DEVELOPMENT SERVICES DEPARTMENT

1. Acceptance of North East Orange County Areawide Transportation Study (NEOCATS) Needs Plan Study Report. District 5. **(Transportation Planning Division)**

R E C E S S

TUESDAY, OCTOBER 11, 2022

MEETING STARTS AT 2:00 p.m.

IV. RECOMMENDATIONS

September 15, 2022 Planning and Zoning Commission Recommendations

CONTINUED

TUESDAY, OCTOBER 11, 2022

V. PUBLIC HEARINGS

Public hearings scheduled for 2:00 p.m.

A. Petition to Vacate

1. PTV-22-08-020

Applicant: Mr. Brock Fanning, on behalf of Toll FL Limited Partnership, vacate a portion of a emergency access easement; District 1

2. PTV 21-11-063

Applicant: Christopher and Christine Jaehne, vacate a portion of a drainage and utility easement; District 5

3. PTV 21-06-038

Applicant: Elliot Jamison, on behalf of Jamison Commercial Properties III LLC, vacate a portion of unopened, unimproved and unnamed alley; District 2

B. Board of Zoning Adjustment Appeal

- 4.✓ Case # VA-22-08-067

Applicant/Appellant: Angela Hamlett, August 4, 2022; District 6

C. Shoreline Alteration Dredge and Fill Permit

- 5.✓ Case # SADF-22-07-020

Applicant: Jeffrey and Bonnie Yarmuth, Howell Branch Creek leading to Lake Maitland, permit; District 5

✓ The notated public hearing is quasi-judicial in nature. As such, any verbal or written communication with a member of the Board of County Commissioners prior to today's quasi-judicial hearing should be disclosed on the record or made a part of the record during the public hearing by or on behalf of the party who communicated with the Board member to allow any interested party an opportunity to inquire about or respond to such communication. Failure to disclose any such communication may place the party who ultimately prevails at the quasi-judicial hearing at risk of having the Board's decision overturned in a court of law due to prejudice against the party who was not privy to the ex parte communication.

Information regarding meetings held at the County Administration Building between any member of the Board and an outside party may be obtained at <https://www.ocfl.net/OpenGovernment/MeetingsReport.aspx>

CONTINUED

TUESDAY, OCTOBER 11, 2022

V. PUBLIC HEARINGS (Continued)

Public hearings scheduled for 2:00 p.m. (Continued)

D. Preliminary Subdivision Plan

6.✓ Case # PSP-21-10-314

Applicant: David Kelly, Poulos & Bennett, LLC, Oasis Reserve Preliminary Subdivision Plan; District 3 (Continued from August 30, 2022 and September 27, 2022)

E. Substantial Change

7.✓ Case # CDR-22-04-147

Applicant: Julie Salvo, Tavistock Development Company, Ginn Property Planned Development (PD), amend plan; District 4

8.✓ Case # CDR-22-06-212

Applicant: Sam J. Sebaali, Florida Engineering Group, Inc., Buena Vista Park Planned Development/Buena Vista Park Parcel 2 Preliminary Subdivision Plan; District 1

✓ The notated public hearing is quasi-judicial in nature. As such, any verbal or written communication with a member of the Board of County Commissioners prior to today's quasi-judicial hearing should be disclosed on the record or made a part of the record during the public hearing by or on behalf of the party who communicated with the Board member to allow any interested party an opportunity to inquire about or respond to such communication. Failure to disclose any such communication may place the party who ultimately prevails at the quasi-judicial hearing at risk of having the Board's decision overturned in a court of law due to prejudice against the party who was not privy to the ex parte communication.

Information regarding meetings held at the County Administration Building between any member of the Board and an outside party may be obtained at <https://www.ocfl.net/OpenGovernment/MeetingsReport.aspx>

CONTINUED

TUESDAY, OCTOBER 11, 2022

V. PUBLIC HEARINGS (Continued)

Public hearings scheduled for 2:00 p.m. (Continued)

F. Ordinance/Comprehensive Plan - Adoption of Regular Cycle Amendments, Ordinance and Concurrent Rezoning Request

9. Adoption of Future Land Use Map Amendment, FLU8.1.4 Text Amendment, FLU1.2.4 Text Amendment, Ordinance, and Concurrent Rezoning Request

a. Amendment 2021-1-A-4-1

Applicant: Matthew Gillespie, P.E., Kimley-Horn and Associates, Inc.,
for Bennett Place Land Trust
Rural/Agricultural (R) to Planned Development-Commercial/Medium
Density Residential (PD-C/MDR) and Urban Service Area (USA)
Expansion; District 4

And

b. Amendment 2021-1-B-FLUE-4

Text Amendment to Future Land Use Element Policy FLU8.1.4
establishing the maximum densities and intensities for proposed
Planned Developments within Orange County; District 4

And

c. Amendment 2021-1-B-FLUE-5

Text amendment to Future Land Use Element Policy FLU1.2.4
regarding allocation of additional lands to the Urban Service Area
(USA); District 4

And

d. Ordinance for Proposed Amendments

And

CONTINUED

TUESDAY, OCTOBER 11, 2022

V. PUBLIC HEARINGS (Continued)

Public hearings scheduled for 2:00 p.m. (Continued)

F. Ordinance/Comprehensive Plan - Adoption of Regular Cycle Amendments, Ordinance and Concurrent Rezoning Request (Continued)

9. Adoption of Future Land Use Map Amendment, FLU8.1.4 Text Amendment, FLU1.2.4 Text Amendment, Ordinance, and Concurrent Rezoning Request (Continued)

e.✓ Rezoning LUP-21-01-006

A-2 (Farmland Rural District) to PD (Planned Development District) (Bennett Place PD). Also requested are 15 waivers from Orange County Code: District 4

G. Comprehensive Plan - Transmittal of Regular Cycle Staff-Initiated Map and Text Amendment

10. Transmittal of Future Land Use Staff-Initiated Map and Text Amendment

a. Amendment 2022-2-B-FLUE-7

Text and map amendments to the Future Land Use Element and Future Land Use Map Series of the Comprehensive Plan implementing the recommendations of the Boggy Creek Small Area Study, including establishing the Boggy Creek USA Expansion Area to the Urban Service Area (USA) boundary, adding Map 5a, Boggy Creek USA Expansion Area to the Future Land Use Map Series, and adopting guidelines and principles for Future Land Use Map (FLUM) amendments and development within the USA expansion area. The text and map amendments also create the Orlando-Kissimmee Farms Rural Residential Enclave and add Map 25(e), Orlando-Kissimmee Farms Rural Residential Enclave, to the Future Land Use Map Series; District 4

✓ The notated public hearing is quasi-judicial in nature. As such, any verbal or written communication with a member of the Board of County Commissioners prior to today's quasi-judicial hearing should be disclosed on the record or made a part of the record during the public hearing by or on behalf of the party who communicated with the Board member to allow any interested party an opportunity to inquire about or respond to such communication. Failure to disclose any such communication may place the party who ultimately prevails at the quasi-judicial hearing at risk of having the Board's decision overturned in a court of law due to prejudice against the party who was not privy to the ex parte communication.

Information regarding meetings held at the County Administration Building between any member of the Board and an outside party may be obtained at <https://www.ocfl.net/OpenGovernment/MeetingsReport.aspx>

CONTINUED

TUESDAY, OCTOBER 11, 2022

V. PUBLIC HEARINGS (Continued)

Public hearings scheduled for 2:00 p.m. (Continued)

H. Comprehensive Plan - Transmittal of Regular Cycle Amendments

11. Transmittal of Regular Cycle Future Land Use Map Amendment and FLU8.1.4 Text Amendment and FLU1.2.4 Text Amendment

a. Amendment 2022-2-A-4-2

Applicant: Derek Ramsburg, P.E., Kimley-Horn and Associates, Inc., for 14857 Boggy Creek, LLC and CD Boggy Creek Land Trust Rural/Agricultural (R) to Planned Development-Medium-High Density Residential/ Commercial (PD-MHDR/C) and Urban Service Area (USA) Expansion; District 4

And

b. Amendment 2022-2-B-FLUE-5

Text Amendment to Future Land Use Element Policy FLU8.1.4 establishing the maximum densities and intensities for proposed Planned Developments within Orange County; District 4

And

c. Amendment 2022-2-B-FLUE-6

Text amendment to Future Land Use Element Policy FLU1.2.4 regarding allocation of additional lands to the Urban Service Area (USA); District 4

CONTINUED

TUESDAY, OCTOBER 11, 2022

III. DISCUSSION AGENDA (Continued)

C. PLANNING, ENVIRONMENTAL, AND DEVELOPMENT SERVICES DEPARTMENT (Continued)

2. Note: Public Comment for this item will be heard in the afternoon.

Approval and execution of Memorandum of Understanding regarding a Traffic Operations Project at the intersection of Orange Avenue and Holden Avenue by and between Orange County and the State of Florida Department of Transportation; authorization to proceed with the short-term improvements; and direction to staff on long-term improvements including selection of a preferred alternative (if any) and project delivery option. District 3. **(Transportation Planning Division)**

✓ The notated public hearing is quasi-judicial in nature. As such, any verbal or written communication with a member of the Board of County Commissioners prior to today's quasi-judicial hearing should be disclosed on the record or made a part of the record during the public hearing by or on behalf of the party who communicated with the Board member to allow any interested party an opportunity to inquire about or respond to such communication. Failure to disclose any such communication may place the party who ultimately prevails at the quasi-judicial hearing at risk of having the Board's decision overturned in a court of law due to prejudice against the party who was not privy to the ex parte communication.

Information regarding meetings held at the County Administration Building between any member of the Board and an outside party may be obtained at <https://www.ocfl.net/OpenGovernment/MeetingsReport.aspx>

* * *

Any person wishing to appeal any decision made by the Board of County Commissioners at this meeting will need a record of the proceedings. For that purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

In accordance with the Americans with Disabilities Act (ADA), if any person with a disability as defined by the ADA needs special accommodation to participate in this proceeding, then not later than two (2) business days prior to the proceeding, he or she should contact the Orange County Communications Division at (407) 836-5631.

Para mayor información en español, por favor llame al (407) 836-3111.

NOTE: Reports from the County Mayor, the County Commissioners, the County Administrator, and the County Attorney may be presented at unscheduled times throughout the day, depending on the length of time required for advertised public hearings.

Copies of Specific Project Expenditure Reports and Relationship Disclosure Forms are not included with agenda items unless there is a listed expenditure or disclosure. Copies of these completed reports and forms may be obtained by contacting the relevant Department/Division Office.

Transportation Planning Division

North East Orange County Areawide Transportation Study (NEOCATS)

October 11, 2022

1



Presentation Outline

- Background
- Existing Conditions
- Future Conditions
 - No Build Scenario
 - Build Scenario
- Study Recommendations
 - Intersection Improvements
 - Multimodal Improvements
 - ITS /Emerging Technologies Improvements
 - Long Range Transportation Plan Amendments (Needs Plan)
- Summary and Next Steps
- Action Requested



2



Presentation Outline

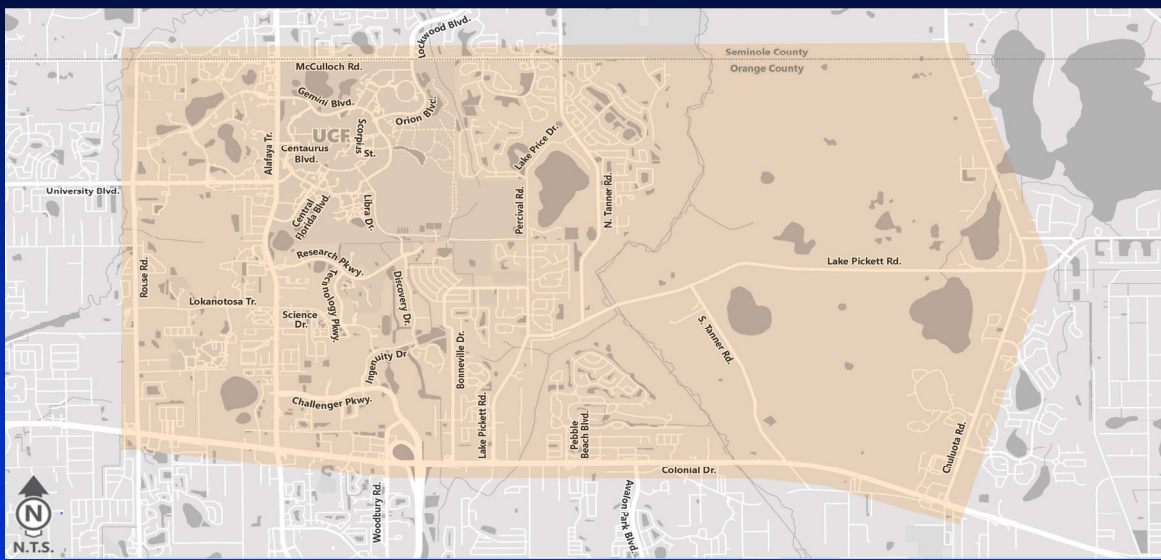
- Background
- Existing Conditions
- Future Conditions
 - No Build Scenario
 - Build Scenario
- Study Recommendations
 - Intersection Improvements
 - Multimodal Improvements
 - ITS /Emerging Technologies Improvements
 - Long Range Transportation Plan Amendments (Needs Plan)
- Summary and Next Steps
- Action Requested



3



Background



4



Background

Study Purpose

"Support future growth while preserving community character"

Study 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



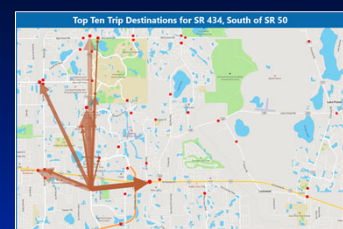
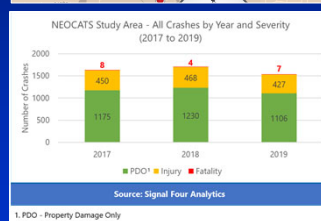
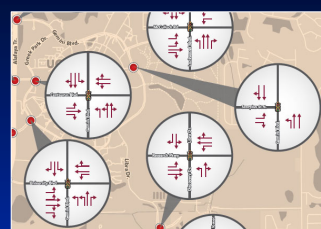
5



Background

Key Elements

- Roadway data
 - Major developments
 - Pedestrian/bicycle network
 - Transit routes
 - Lighting
 - ITS
- Historical crash data
- Traffic data
 - Traffic volumes
 - Origin-Destination (OD) study
 - Multimodal operational analysis
 - Connected Aut. Vehicles (CAV) impacts*
- Stakeholder input
- Programmed and planned projects
- Orange County, FDOT, and FHWA guidelines
- Similar projects



Capacity Analysis for Planning of Junctions

Dynamic Results Summary

TYPE OF INTERSECTION	Overall V/C Ratio	Motorist's Score	Pedestrian Accommodations	Bicycle Accommodations	Transit Accommodations
Displaced Left Turn	0.49	1	4.8	Fair	Good
Signalized Overhead Crossing II, Turn R/L	0.58	2	6.3	Good	Fair
Overhead Roadway S/W	0.53	3	4.8	Fair	Fair
Overhead Roadway S/E	0.51	3	4.8	Fair	Fair
Overhead Roadway S/L	0.50	3	4.8	Fair	Fair
Overhead Roadway S/R	0.50	3	4.8	Fair	Fair
Partial Overhead Left Turn R/L	0.50	3	4.8	Fair	Good
Partial Overhead Left Turn R/S	0.51	3	6.3	Good	Fair
Traffic Signal	0.50	3	4.8	Fair	Good
2015 R/W	0.50	3	5.0	Fair	Good

Note: *CAV Impacts based on the latest Highway Capacity Manual (HCM) 7th Edition

6



Background

Community Meetings #1 & #2

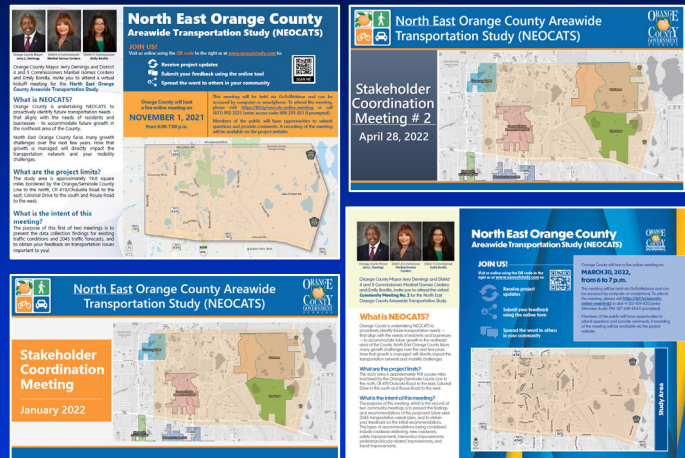
November 1, 2021 (#1) & March 30, 2022 (#2)

- Mail-outs: 8,656
- Forums: Website, Newspaper Advertisement and GoToMeeting

Agency Meetings #1 & #2

January 21, 2022 (#1) & April 28, 2022 (#2)

- Florida Department of Transportation (FDOT)
- Orange County
- Seminole County
- University of Central Florida (UCF)
- LYNX
- MetroPlan Orlando
- Central Florida Expressway Authority (CFX)
- Orange County Fire Rescue
- Orange County Sheriff's Office
- Orange County Public Schools (OCPS)
- Central Florida Research Park (CFRP)



7



Presentation Outline

- Background
- Existing Conditions
- Future Conditions
 - No Build Scenario
 - Build Scenario
- Study Recommendations
 - Intersection Improvements
 - Multimodal Improvements
 - ITS /Emerging Technologies Improvements
 - Long Range Transportation Plan Amendments (Needs Plan)
- Summary and Next Steps
- Action Requested



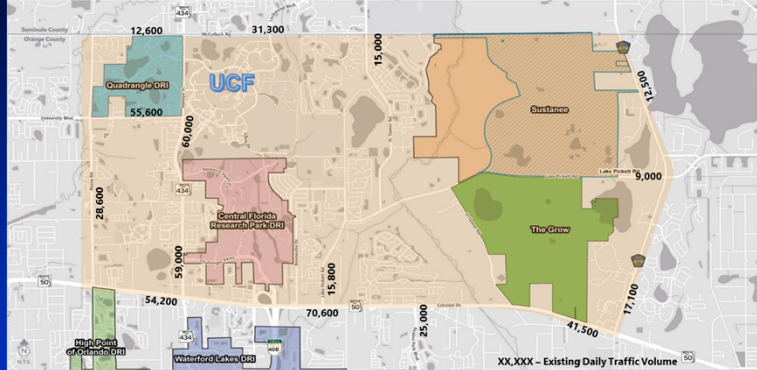
8



Existing Conditions

Study Area Highlights

- Major economic generators
 - UCF – 2nd largest university
 - Two major business parks
 - Central Florida Research Park
 - Quadrangle
- Major developments
 - High Point of Orlando
 - Waterford Lakes
 - Rybolt Park*/Sustanee*
 - The Grow



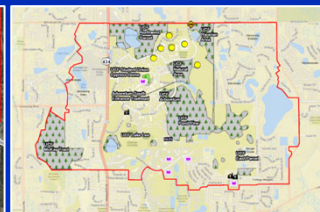
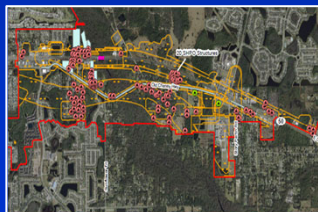
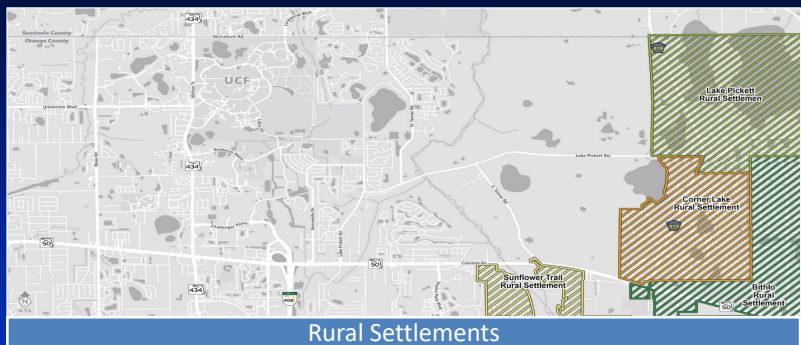
* Both the Rybolt Park DRI application and Sustanee development are withdrawn.

9



Existing Conditions

- Rural Settlements
 - Sunflower Trail
 - Bithlo
 - Lake Pickett, and
 - Corner Lake
- Environmental Analysis
 - Cultural
 - Social
 - Physical
 - Natural



10



Existing Conditions

Historical Crash Analysis (2017-2019)

■ Totals (roadway + intersections)

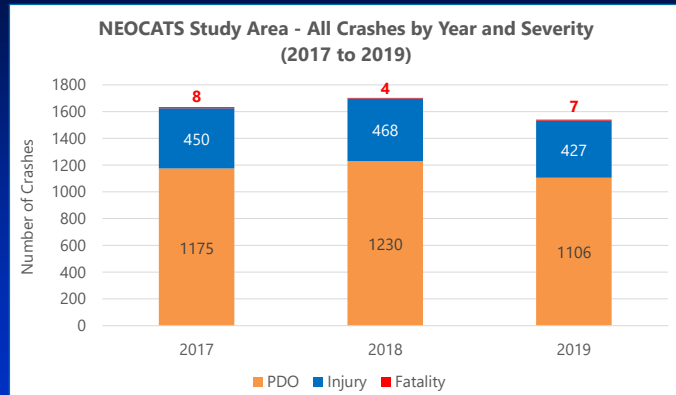
- 4,875
- 19 fatalities
- 1,345 injury crashes
- 3,511 property damage
- Major types – Rear-end, Angle & Sideswipe

■ Intersections

- 2,728 (56% of total)

■ Mid-segments

- 2,147 (44% of total)



Source: Signal Four Analytics

1. PDO - Property Damage Only

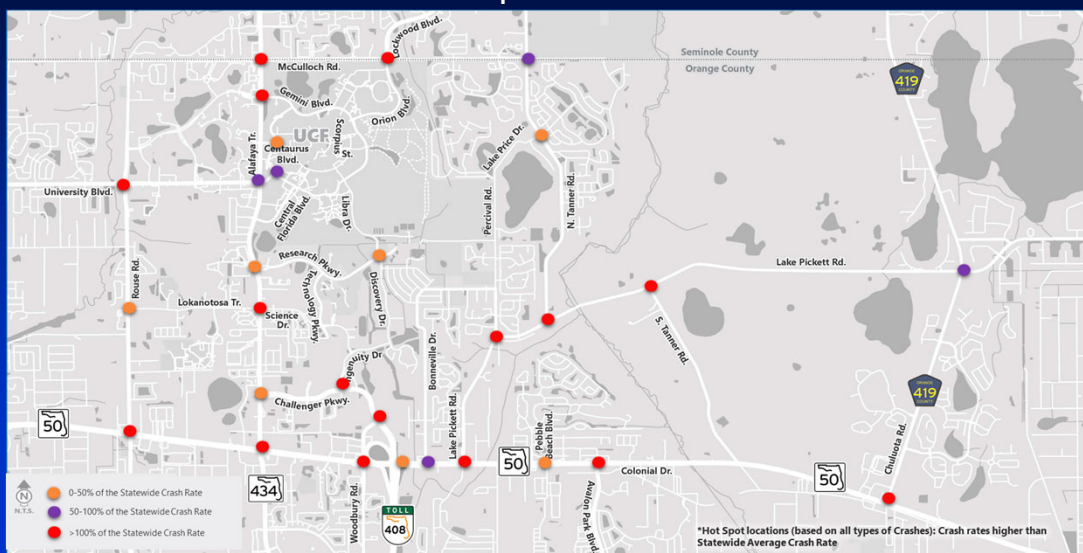
11



Existing Conditions

Historical Crash Analysis (2017-2019)

Hot Spot Locations



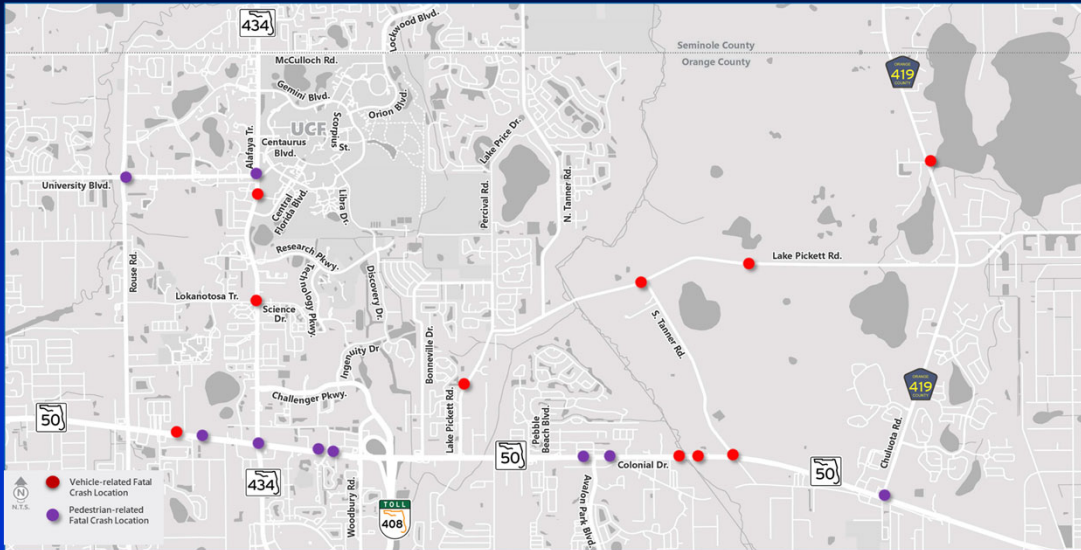
12



Existing Conditions

Historical Crash Analysis (2017-2019)

Fatal Crash Locations



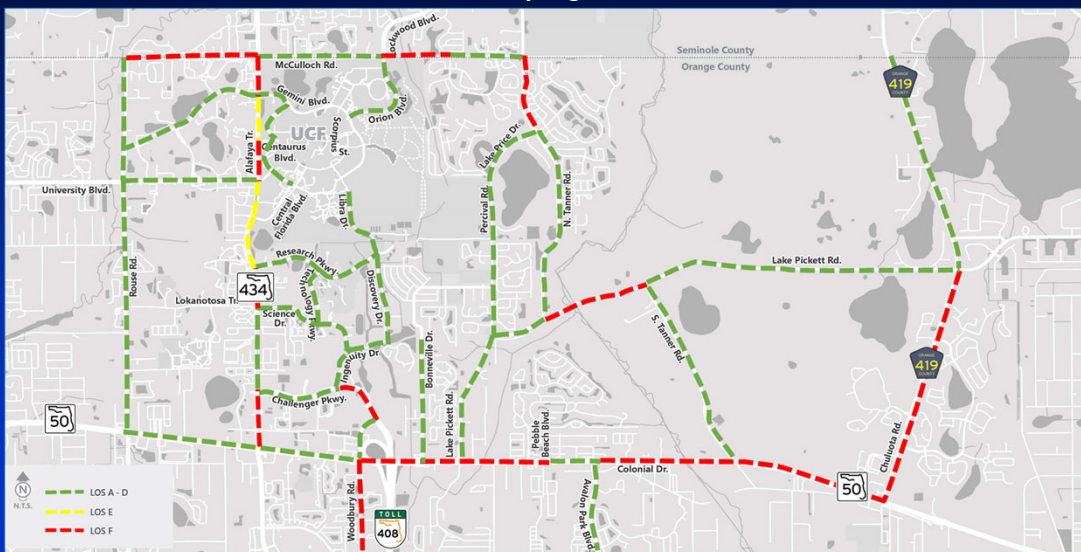
13



Existing Conditions

Level of Service

Roadway Segments



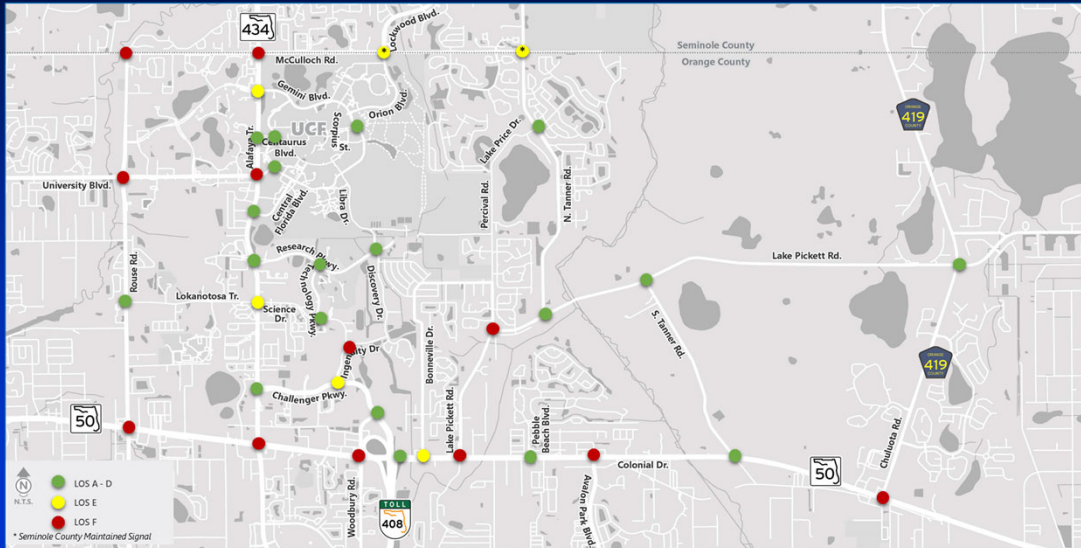
14



Existing Conditions

Level of Service

Intersections

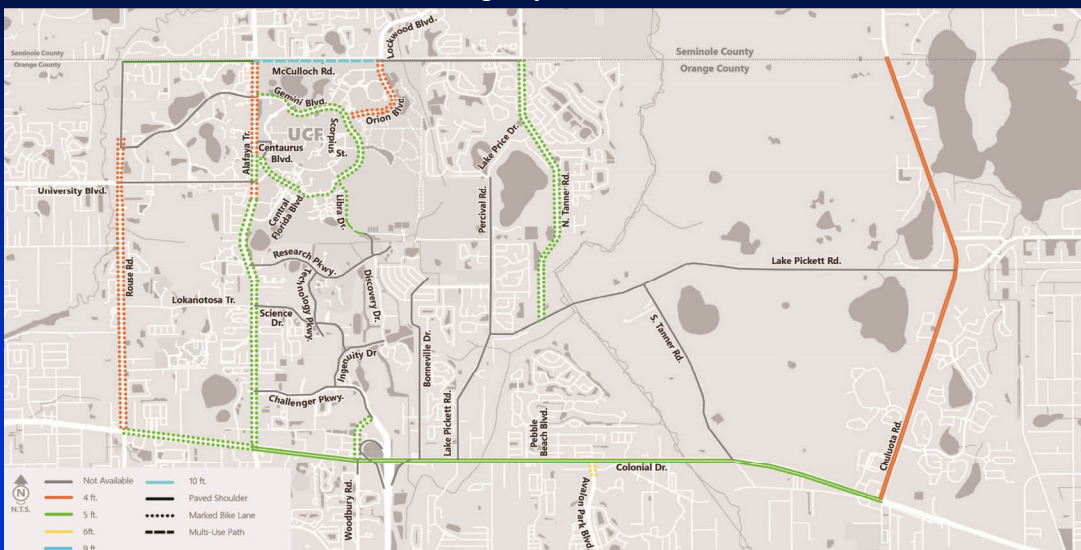


15



Existing Conditions

Existing Bicycle Facilities

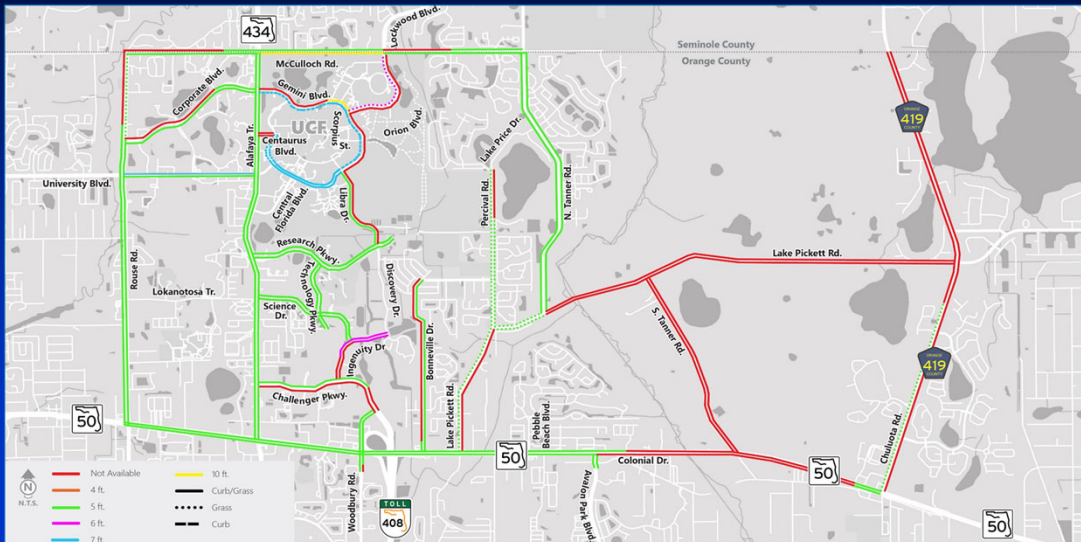


16



Existing Conditions

Existing Pedestrian Facilities



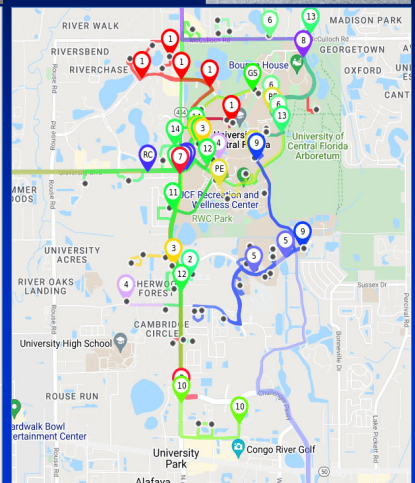
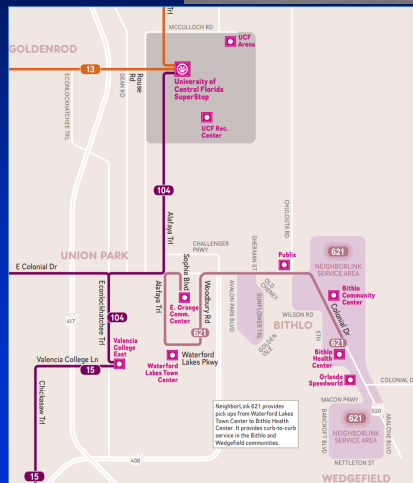
17



Existing Conditions

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
 - Down Town Shuttle

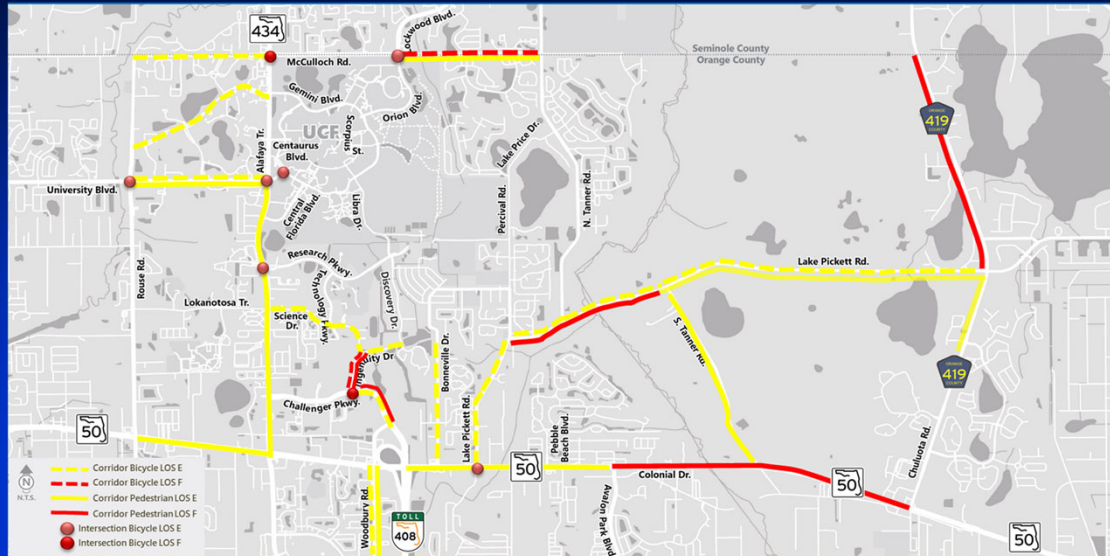


18



Existing Conditions

Existing Multimodal Analysis



19



Presentation Outline

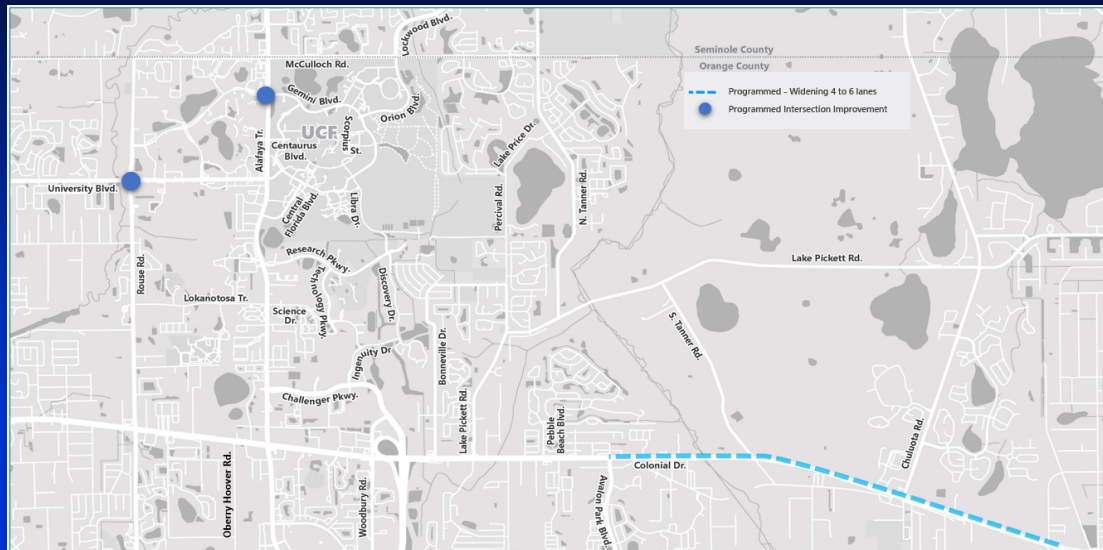
- Background
- Existing Conditions
- Future Conditions
 - No Build Scenario
 - Build Scenario
- Study Recommendations
 - Intersection Improvements
 - Multimodal Improvements
 - ITS /Emerging Technologies Improvements
 - Long Range Transportation Plan Amendments (Needs Plan)
- Summary and Next Steps
- Action Requested



20



Future Conditions No Build Scenario

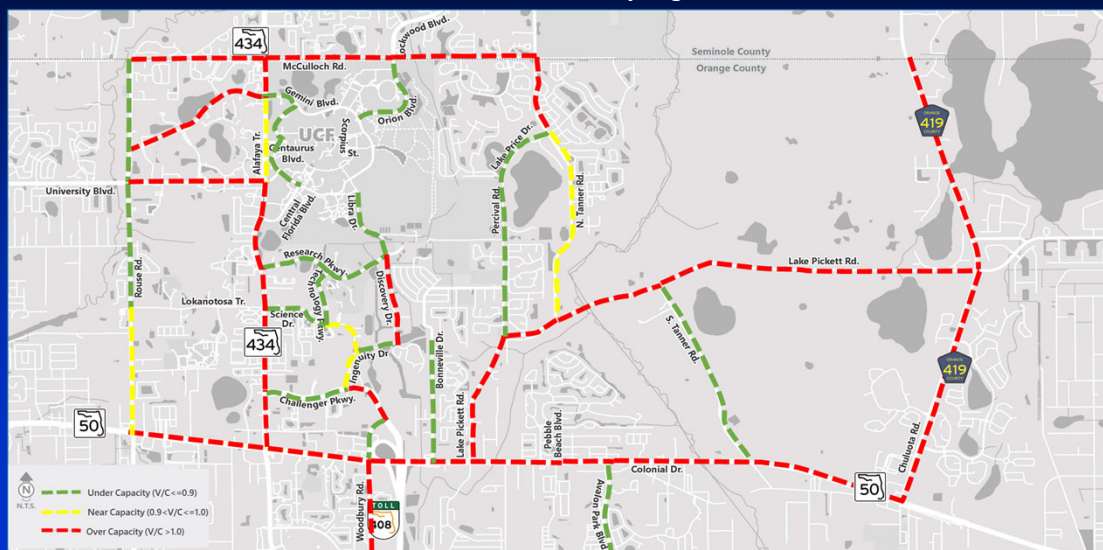


21

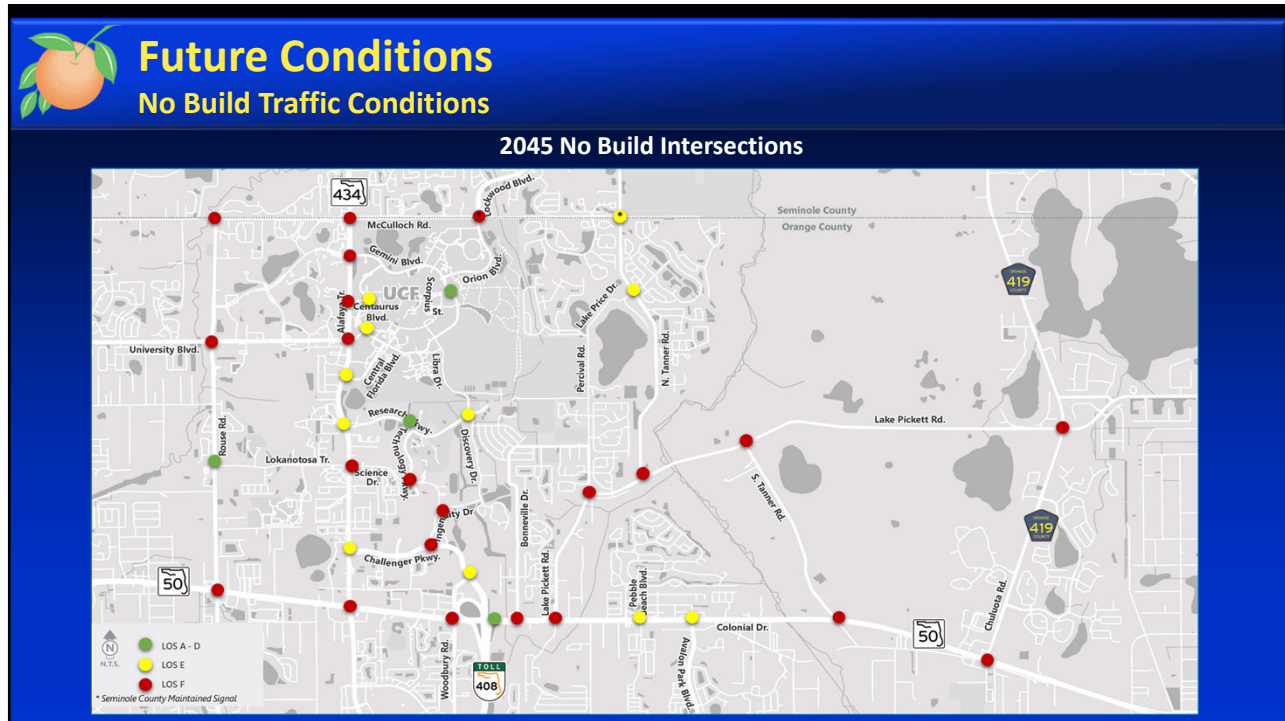


Future Conditions No Build Traffic Conditions

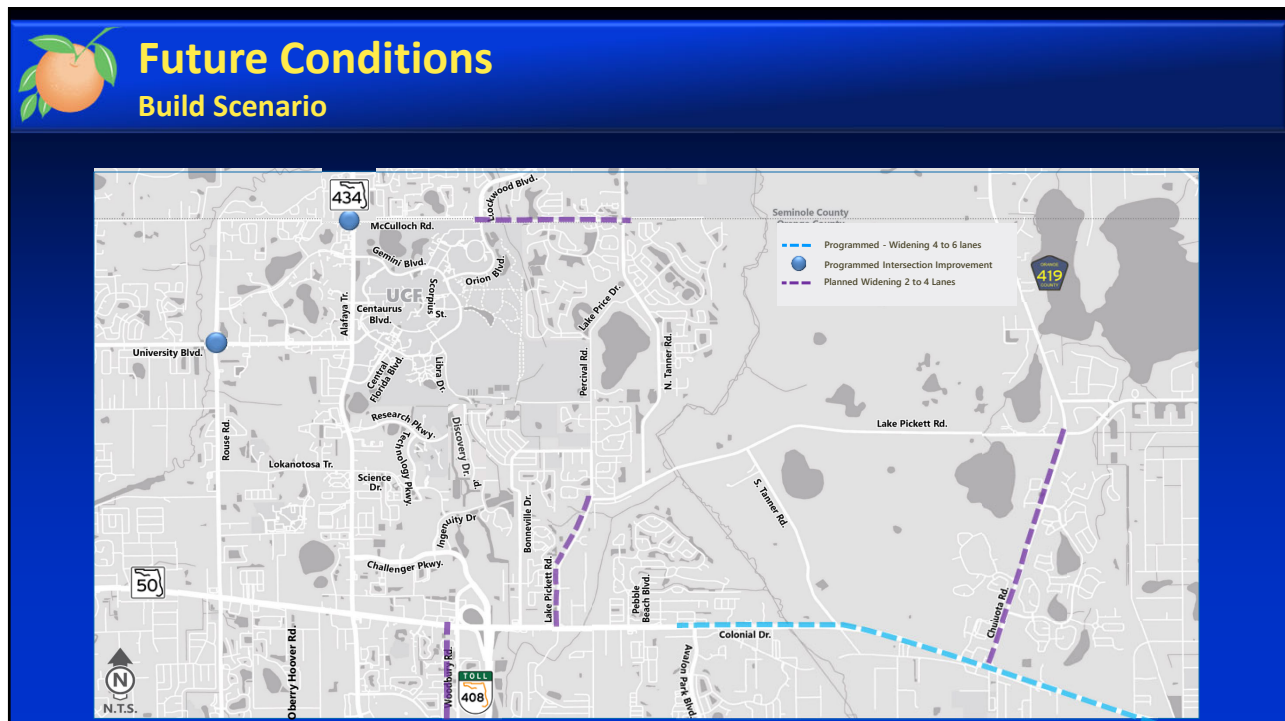
2045 No Build Roadway Segments



22



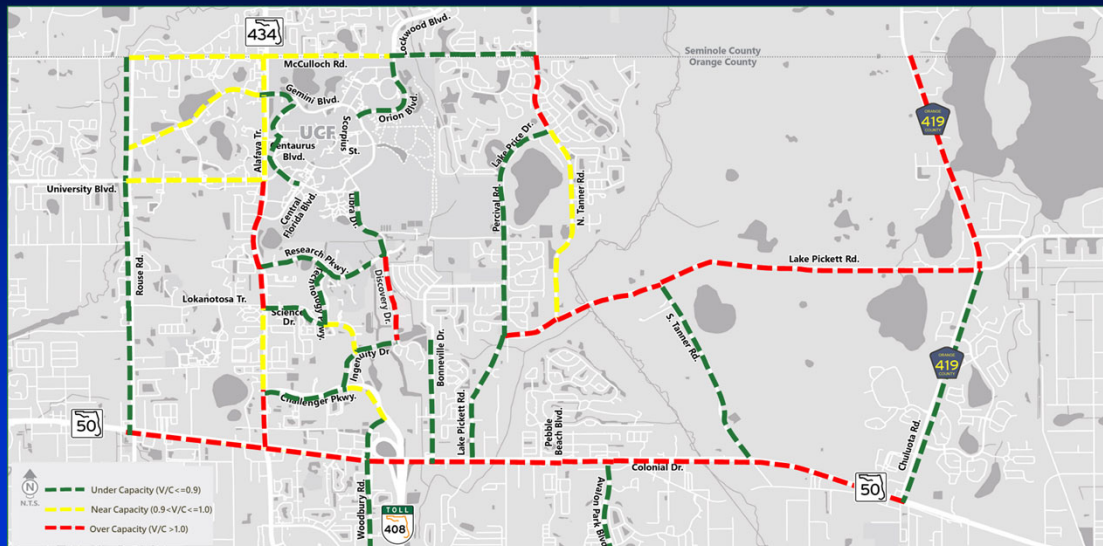
23



24



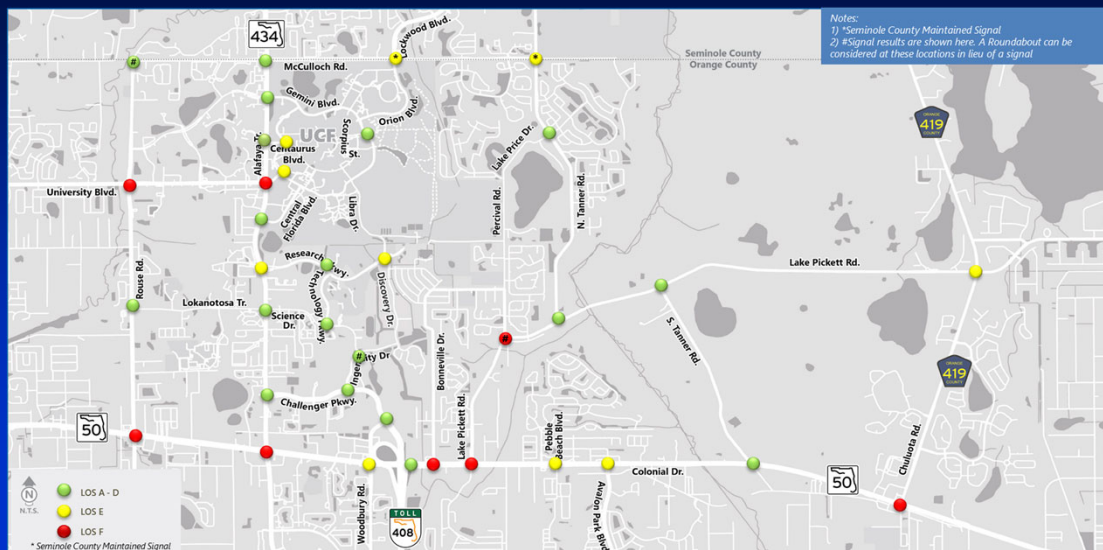
Future Conditions Build Traffic Conditions



25



Future Conditions Build Traffic Conditions



26



Presentation Outline

- Background
- Existing Conditions
- Future Conditions
 - No Build Scenario
 - Build Scenario
- Study Recommendations
 - Intersection Improvements
 - Multimodal Improvements
 - ITS /Emerging Technologies Improvements
 - Long Range Transportation Plan Amendments (Needs Plan)
- Summary and Next Steps
- Action Requested



27



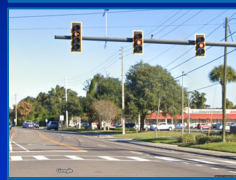
Intersection Improvements

- Innovative intersection concepts evaluated for key intersections
- Provide operational and safety benefits
- Recommendations include:
 - Permissive to protected left turns
 - Exclusive right turn / left turn lanes
 - Roundabouts
 - Median U-Turn (MUT)
 - Restricted crossing U-turn (RCUT)
 - Displaced left turn (DLT)

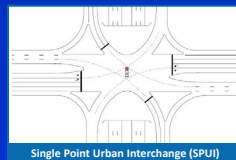
Traditional/Innovative Intersection Improvements



Example Turn Lanes at an Intersection



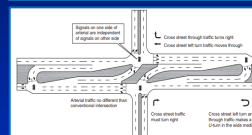
Flashing Yellow Left-turn Signal



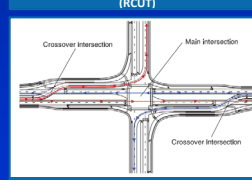
Single Point Urban Interchange (SPUI)



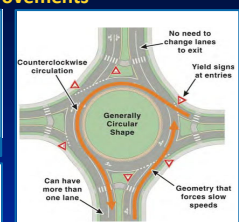
Median U-turn Intersection (MUT)



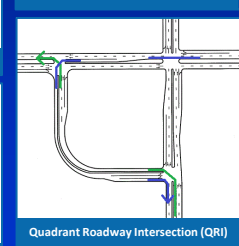
Restricted Crossing U-turn Intersection (RCUT)



Displaced Left-turn Intersection (DLT)



Roundabout



Source: FHWA

- 33% of CAVs in traffic stream - 10% increase in capacity

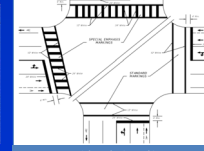
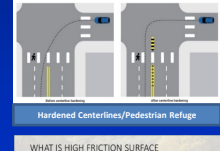
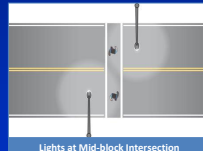
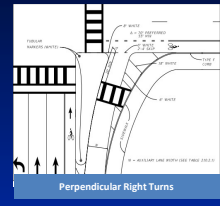
28



Intersection Improvements

- Evaluated safety strategies at specific locations
- Proposed improvements include:
 - Retroreflective back plates to signal heads
 - Hardened centerlines/pedestrian refuge
 - High-friction surface treatment
 - High emphasis crosswalks
 - Lighting improvements
 - Advance traffic signs
 - HAWK/Pedestrian Hybrid Beacon
 - Detectable warning surfaces on curb ramps
 - Tighten corner radii
 - Improves pedestrian/bicycle safety

Safety/Multimodal/ADA Improvements



29



Multi-modal Improvements

Pedestrian/Bicycle Facilities – Programmed Improvements

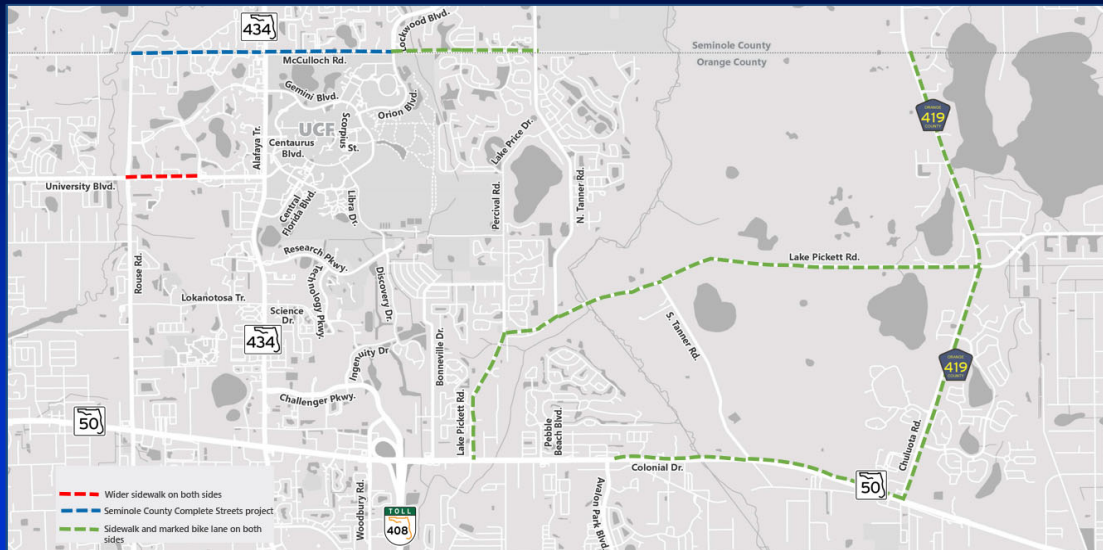


30



Multi-modal Improvements

Pedestrian/Bicycle Facilities – Planned Improvements

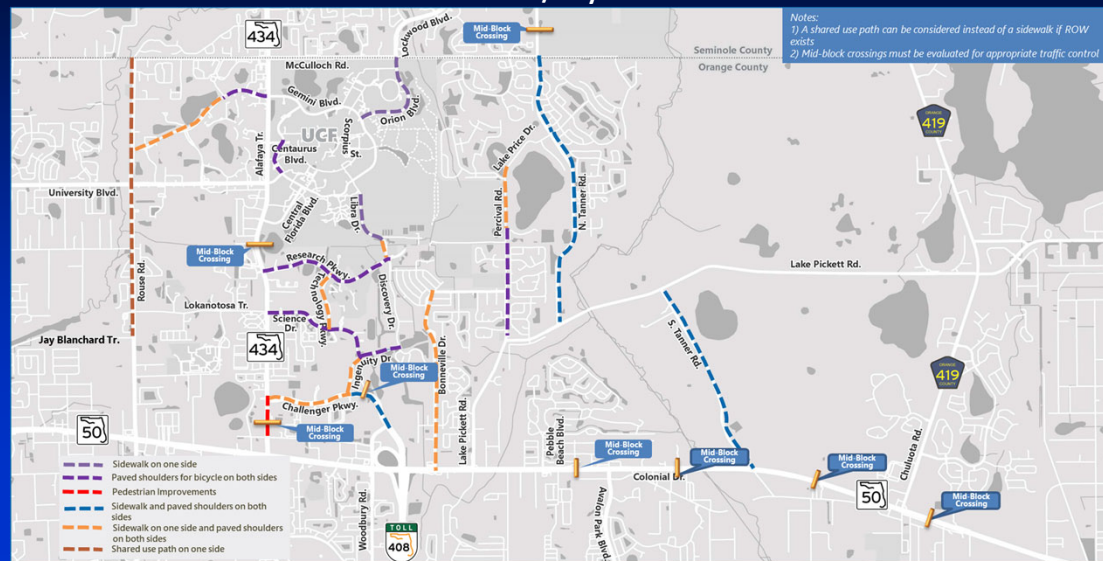


31



Multi-modal Improvements

Pedestrian/Bicycle Needs



32



Multi-modal Improvements

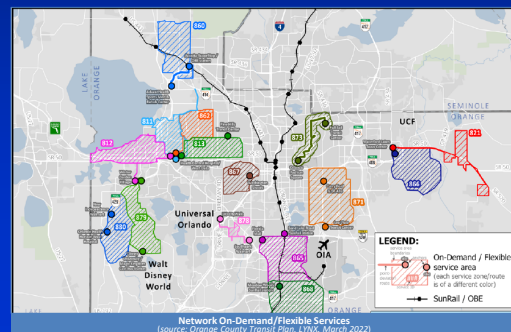
Planned Transit Improvements – LYNX

Orange County Transit Plan

- Enhanced service in existing zones (Curb to Curb)
- 11 New Enhanced On-Demand/Flexible Routes/Zones
 - Bithlo Neighborhood
 - Waterford Lakes/Avalon Park NeighborLink
- Four Express Routes (Increased frequencies/Connections)
- Bus Rapid Transit Corridor between Ocoee and UCF (20–30 minute frequency)
- UCF to Oviedo via Lockwood Blvd

Route Number	Route Name	Frequency (Weekday)
Planned Routes (Future Condition)		
104	SR 50 UCF-Downtown	20-30 min
204	SR 50 Limited Stop	20 min
308	UCF-Downtown Regional Express	30 min
311B	UCF-Medical City/Lake Nona - Meadowoods Regional Express	30 min
401A	Waterford Lakes Commuter Express	30 min
401B	Waterford Lakes Commuter Express (Pattern of 401A)	30 min
506	Lake Underhill-UCF	30 min
522	UCF-SR 436/Aloma	30 min
600B	Red Bug Lake/Alafaya	60 min
601	Oviedo/Lockwood	60 min
821	Bithlo NeighborLink (On-Demand/Flex-Route Hybrid)	Flexible (30 min)
866	Waterford Lakes/Avalon Park (On-Demand/Flex Zone)	Flexible (30 min)

Source: Orange County Transit Plan, LYNX, March 2022



33



Multi-modal Improvements

Travel Demand Management (TDM) Strategies

- New NeighborLinks (Expansion Area/On-Demand)
- Transportation Management Organization (TMO)
- Transit Marketing, Real-Time Information, and Wayfinding
- Special Transit Benefits Zone
- Active Transportation Commuter Stations
- Dedicated Traffic Safety Instructor
- Mobility Hub (UCF SuperStop) and Facility Enhancement
- Express Bus Service and New Park & Ride Lots (TSP/Queue Jumps)

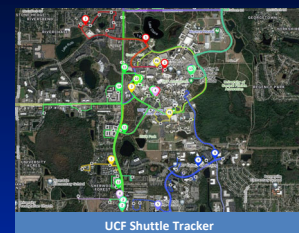
**Anticipated Vehicle Trip Reduction
5-15% for NEOCATS**

National Evidence on TDM Program Impacts Vehicle Trip Reduction from Background Conditions

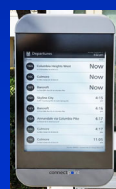
TDM Program or Strategy	High Transit	Moderate Transit	Low Transit
Support, Promotion, Information	3-5%	1-3%	<1%
Alternative Commute Services	5-10%	5-10%	1-3%
Financial Incentives	10-20%	5-15%	1-5%
Combined Strategies			
With Free Parking	15-20%	10-15%	3-7%
With Paid Parking	25-30%	15-20%	N/A



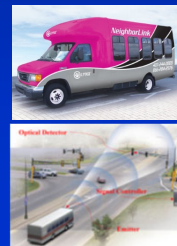
Example Mobility Hub



UCF Shuttle Tracker



Example Bus Stop Digital Sign



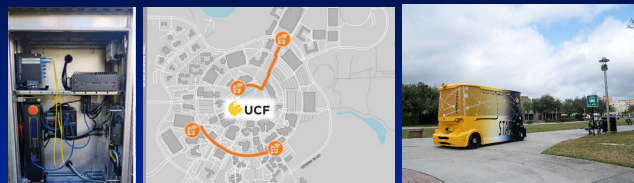
34



ITS/Emerging Technologies Improvements

- Deploy Smart Technologies in Central Florida
- ATAIN (Funded by FHWA Grant)
- PedSafe – Hardware Installations Complete
 - Innovative ped/bike collision avoidance system
 - Pilot deployment on Alafaya Tr adjacent to UCF
- Greenway - CV Technologies at 33 Signals (Orange County)
 - Cellular vehicle-to-everything (C-V2X), Emergency vehicle preemption (EVP), Transit signal priority (TSP), Passive pedestrian detection (PPD) technology
 - Initially will be used by UCF transit /first responder vehicles
- Smart Community
 - District's 1st autonomous vehicle (AV) shuttles within UCF
 - Surface Parking Management
- SunStore – FDOT's Data Storage & Research Sharing Initiative

ATTAIN Central Florida



Source: <https://cflsmartroads.com/projects/ATTAIN-CFL.html>

ITS Projects

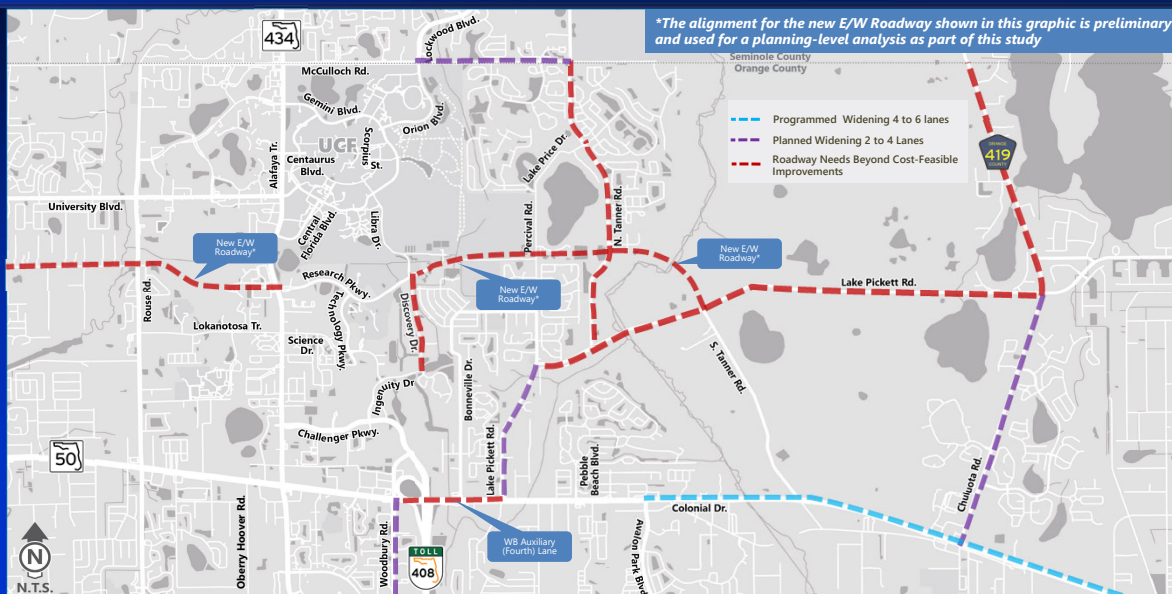


35

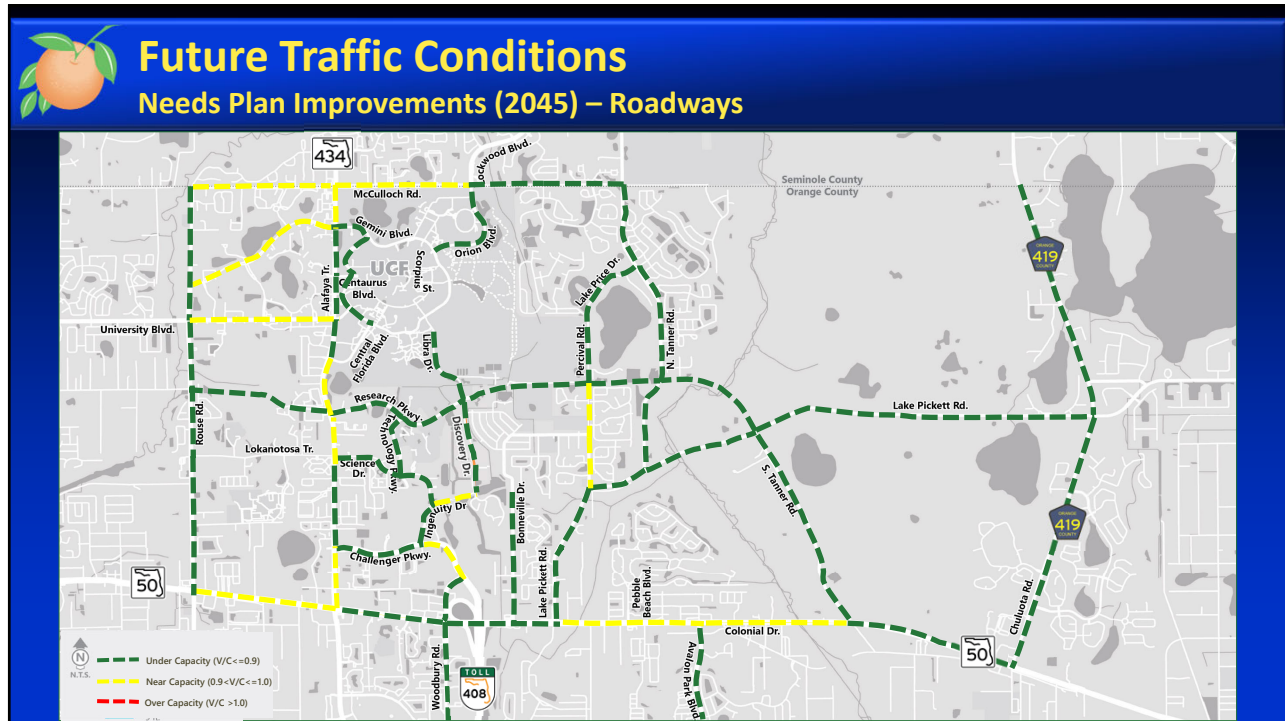


Future Long Range Transportation Plan

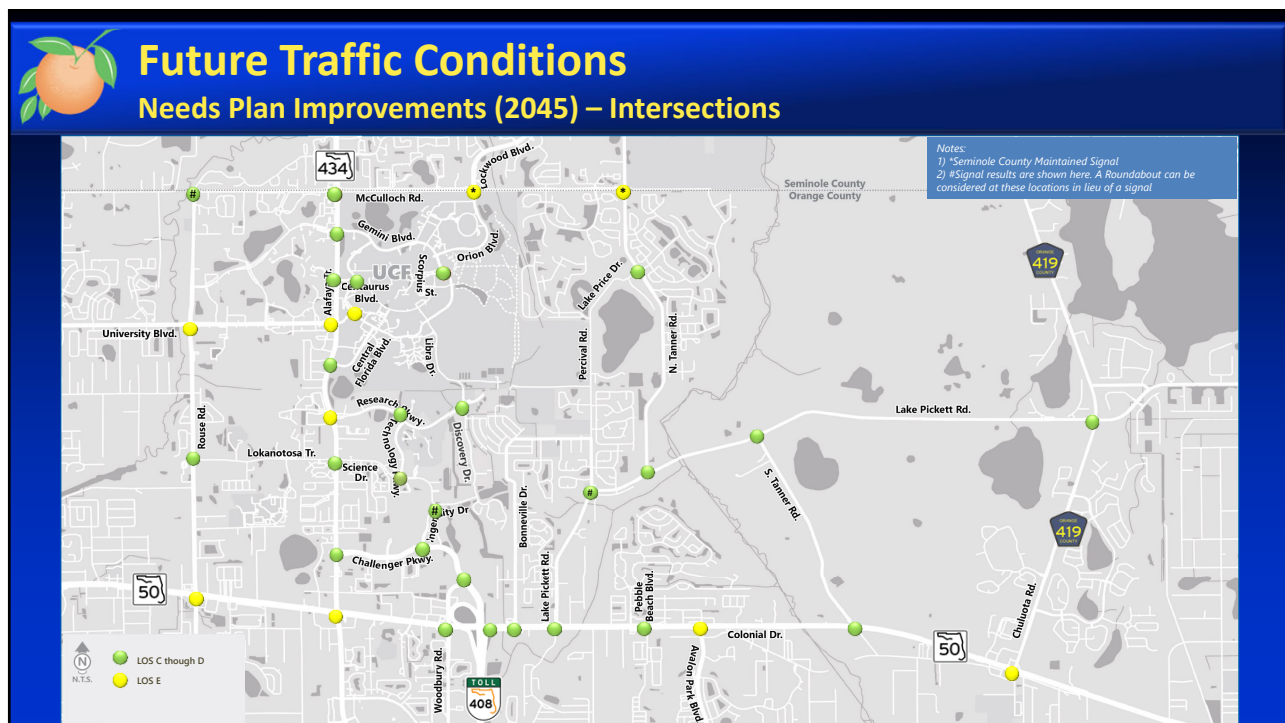
Needs Plan Amendments



36



37



38



Long Range Plan Amendments

Alternative Plan Evaluation

Alternatives Comparison

- No Build (\$70M)
Existing + Programmed Improvements
- Build 1: Cost-Feasible (\$269M)
Existing + Programmed + Planned Improvements
- Build 2: Needs Plan (\$452M)
Existing + Programmed + Planned Improvements + Roadway / Intersection Needs

Notes:

1 - Based on the number of failing study roadway segments and intersections

2 - Based on available parcel data from Orange County Property Appraiser

3 - Based on NEDCATS Existing Environmental Conditions Report and future roadway improvements

4 - Based on cost estimates provided for the roadway, intersection and multimodal (pedestrian/bicycle) improvements

5 - B/C ratio is calculated for operational benefits (time and fuel saved) of the two Build Alternatives relative to the No Build Alternative. Only roadway and intersection improvement costs are considered in the B/C ratio calculations

Evaluation Matrix

Evaluation Criteria	Project Alternatives		
	No Build	Build 1	Build 2
Traffic Operations & Safety			
Accommodates future traffic demand ¹	Low	Moderate	High
Provides multimodal improvements (ranking)	Good	Better	Best
Improves safety (ranking)	Good	Better	Best
Potential Community Impacts			
Right-of-Way Potentially Needed (Low/Moderate/High) ²	Low	Moderate	High
Potential Historic/Archaeological Impacts (Low/Moderate/High) ³	Low	Low	Low
Potential Utility Impacts (Low/Moderate/High) ³	Moderate	Moderate	Moderate
Potential Environmental Impacts			
Wetlands (Low/Moderate/High) ³	Low	Moderate	Moderate
Floodplains (Low/Moderate/High) ³	Moderate	Moderate	High
Threatened & Endangered Species (Low/Moderate/High) ³	Low	Low	Low
Potential Contamination Sites (Low/Moderate/High) ³	Moderate	Moderate	Moderate
Estimated Project Cost (\$ Million)⁴			
Estimated Total Cost	70.0	269.0	452.0
B/C Ratio Relative to No Build Alternative⁵			
Value	-	11.7	7.6

39



Presentation Outline

- Background
- Existing Conditions
- Future Conditions
 - No Build Scenario
 - Build Scenario
- Study Recommendations
 - Intersection Improvements
 - Multimodal Improvements
 - ITS /Emerging Technologies Improvements
 - Long Range Transportation Plan Amendments (Needs Plan)
- Summary and Next Steps
- Action Requested



40



Summary and Next Steps

- NEOCATS study identifies future project needs and solutions addressing a range of mobility, operational, and safety aspects
- Future amendments to LRTP for major capital projects (new roads and widenings)
- Recommended projects will need to be prioritized based on available funding
- Impacts of major projects will be evaluated as part of County's RCA study process
- Coordination required with other agencies as appropriate (i.e. FDOT, LYNX, UCF, etc.)

41



Presentation Outline

- Background
- Existing Conditions
- Future Conditions
 - No Build Scenario
 - Build Scenario
- Study Recommendations
 - Intersection Improvements
 - Multimodal Improvements
 - ITS /Emerging Technologies Improvements
 - Long Range Transportation Plan Amendments (Needs Plan)
- Summary and Next Steps
- Action Requested



42



Action Requested

- Acceptance of North East Orange County Areawide Transportation Study (NEOCATS) Needs Plan Study Report. District 5.

APPENDIX G

Website/Email Questions/Comments from the General Public

NEOCATS Public Meeting #1: Email List - Study Area Residents/Businesses

Source	Date	Name	Email/Phone #	Notes	Questions/Comments
Website comment form	10/19/2021	Joyce Trevelyan	trevelyani@bellsouth.net		
Website comment form	10/22/2021	Larry Decker	lardecker@hotmail.com		
Website comment form	10/22/2021	Karl Armond	karl.armond@gmail.com		
Website comment form	10/22/2021	Joseph Holguin	joseph.holguin@hotmail.com	Long time resident, Ex-City Bus Driver	
Website comment form	10/22/2021	Tony Toniolo	ttoniolo@gmail.com		
Website comment form	10/22/2021	Michael Garvey	egowalter@hotmail.com		
Website comment form	10/22/2021	Phuoc nguyen	sam20006@gmail.com	Home	
Website comment form	10/22/2021	David Gale	feralcatman@aol.com		
Website comment form	10/22/2021	Rocky Ward	rockyward@aol.com		Appears like this is the same info gathering that was done for the failed 408 east west extension? Why keep doing studys and projects if it doesn't go anywhere? Why keep approving apartment buildings along 50 while we already suffer from heavy traffic.
Website comment form	10/22/2021	Richard Wightman	richwsr@aol.com		
Website comment form	10/22/2021	James	james@sevener.us		
Website comment form	10/24/2021	Christopher Farr	christopher.r.farr@gmail.com	Property owner in this area	We need to know what the master plan is that is driving this study for future growth of this area. This study isn't telling residents what is being built in the future around this area to understand the future traffic issues. It's already a busy area with many accidents at the intersection of SR 50 and CR 419 and if more developers are building then we certainly need to know this.
Website comment form	10/24/2021	Fenna Owens	fennabowens@gmail.com		I am concerned about he future of this part of Orange County.
Website comment form	10/24/2021	Aracelis Nieves	aracelis_nieves@yahoo.com		
Website comment form	10/24/2021	Joshua Smith	joshua.Herrington.smith@gmail.com		
Website comment form	10/24/2021	Richard J Mueller	rj@rjmueller.net		
Website comment form	10/24/2021	Naomi Straney	nstraney@gmail.com		
Website comment form	10/24/2021	Stephanie Treeson	streeson1@yahoo.com		Please protect our delicate ecosystems in this area. Nature needs our protection.
Website comment form	10/24/2021	Valerie J Baker	vjb9856@bellsouth.net		Sign me up for update projects. Thank you
Website comment form	10/24/2021	Austin Brookshire	austinbrookshire@yahoo.com		
Website comment form	10/25/2021	Lisa Fruge	lisa.fruge@wsp.com		
Phone Call to BA	10/25/2021	Jack Campbell	407-467-6037	Call received at 2:26 PM	Mr. Campbell is in support of extending McCulloch Road east to CR 419. He has a property and wanted to know whether our study will make that recommendation. RESPONSE: We are only presenting the existing conditions at community meeting # 1. Mr. Campbell was asked to provide this and additional comments at the meeting or via the website comment form.
Website comment form	10/25/2021	Mei Leung	orlandomeimei@gmail.com		
Website comment form	10/26/2021	Bryan Sliker	bryanesliker@gmail.com		
Website comment form	10/26/2021	Jim Langford	jglangford@me.com	P4DA-CFL	As a resident of the NE area of Orange County since 1993 I'm shocked and appalled at the total lack of planning which has gone into the rapid residential development. How shortsighted to put so many people in a region that has literally zero existing infrastructure to support the incredible traffic mess that has been created. Who do we hold accountable for this?? I'll be on the webinar on Nov 1.
Website comment form	10/27/2021	MICHELE R OAKES	MICHELEOAKES85@GMAIL.COM		I own property at 14675 Congress St., Orlando, FL 32826 and would like to receive any updates. My mailing address is 15126 Perdido Dr., Orlando, 32828 and email address listed above. Thank you.
Website comment form	10/27/2021	Robert Abascal	rabascal@avtsim.com	Owner 4715 Data Court - Collaboration Building	Traffic light needed at Corporate/Data Ct intersection. Especially with 750 unit student housing project starting in April 2023.
Website comment form	10/28/2021	Jim Harris	jimharris77@outlook.com		
Website comment form	10/28/2021	Mellissa D Slover-Athey	mellisaslover@yahoo.com		
Website comment form	10/28/2021	David Zimmerman	jioutback@yahoo.com		Stop approving land rezoning and it will greatly deminish the need for expanded capacity.
Website comment form	10/29/2021	Shawn Geddes	shawngeddesrealtor@gmail.com		
Website comment form	11/1/2021	Brandon May	brandoncmay@gmail.com		
Website comment form	11/1/2021	MICHELLE DIPIAZZA	holymolymdp@aol.com		
Website comment form	11/1/2021	William Wood	wwood125@gmail.com		Please keep me informed as new information is published.
Website comment form	11/1/2021	Eugenie	whormse@gmail.com		
Website comment form	11/1/2021	joe walter	jwalter1317@gmail.com		
Website comment form	11/1/2021	Janak Patel	x97.3xp@gmail.com		
Website comment form	11/2/2021	naomi straney	nstraney@gmail.com		Unfortunately, I had to cancel attending yesterday's meeting. I may have technical difficulties viewing online. Will you be sharing updates from the meeting - and where can I obtain it? I will try to resolve some of these unexpected technical issues - software and hardware related. Thanks.
Website comment form	11/2/2021	William Krause	billkrause1948@att.net	Environmental Specialist	
Website comment form	11/3/2021	Richard J Mueller	rj@rjmueller.net	orange county resident	
Website comment form	11/3/2021	Vijay Nair	nairvijay@gmail.com		
Email comment	11/2/2021	Deborah Schafer	dschafer@seminolecountyfl.gov	District 2 Executive Assistant to Commissioner Jay Zembower	Thank you yes it was very informative please make sure that were copied on all future meetings power points anything in reference to the north east orange county transportation study. thank you
Website comment form	11/8/2021	Louis	riv0582@gmail.com		Interested in updates

NEOCATS Public Meeting #1: Email List - Study Area Residents/Businesses

Source	Date	Name	Email/Phone #	Notes	Questions/Comments
Website comment form	11/8/2021	LARRY FRANKEL	jsiss@bellsouth.net		I am owner of 48 acres on East colonial drive
Website comment form	11/8/2021	Kimmy Zeiler	kimmyzeiler@gmail.com		
Website comment form	11/9/2021	Joe Wallace	joe@cfrp.org	Central Florida Research Park	
Website comment form	11/21/2021	Magela Moore	magela@comcast.net		
Website comment form	1/21/2022	Taylor Laurent	tlaurent@metroplanorlando.org	MetroPlan Orlando	
Website comment form	1/24/2022	Jackson Hurst	ghostlightmater@yahoo.com		Hi i would like to sign up for study updates and be added to the mailing list for the North East Orange County Areawide Transportation Study (NEOCATS). My mailing address is 4216 Cornell Crossing, Kennesaw, Georgia, 30144.
Website comment form	1/24/2022	Sherman Board	boardsc@yahoo.com	Resident	
Website comment form	3/16/2022	Brian Stinchcomb	stinchcomb@icloud.com		I would like to keep up with and give my opinion on traffic problems
Website comment form	3/16/2022	Susan Hutson	susan.hutson@ucf.edu	UCF	
Website comment form	3/16/2022	Diviana Munoz	divianamunozrealtor@gmail.com	Real Estate Agent	
Website comment form	3/16/2022	Stuart Kelsey	STUMELKEL66@GMAIL.COM		
Website comment form	3/17/2022	Susan Coyle	suecoyle@rocketmail.com		
Website comment form	3/17/2022	Jim Langford	jglangford@me.com		I'd like to see an extension of the 408 all the way to the Beachline. It seems inevitable as Hwy 50 is really unable to handle the traffic. Lake Pickett Rd should have been expanded to four lanes 10 years ago
Website comment form	3/17/2022	Jim Langford	jglangford@me.com		The UCF campus unfortunately creates a major obstacle to travel for anyone who lives on the east side of the campus. The only two options going east and west are McCulloch Rd or Hwy 50 which creates bottle necks of traffic on both roads. McCulloch should be extended all the way to 419 and North and South Tanner Rds should be linked together directly. There needs to be an eastern entrance to the UCF campus off of Bonneville Rd. This is the most poorly thought out area of the county
Website comment form	3/20/2022	Lincoln Flowers	gafcomp@msn.com		
Website comment form	3/22/2022	Jennifer Santana	jen_chase0103@yahoo.com		
Website comment form	3/23/2022	Barbara Sobocinski	bascf0@gmail.com		
Website comment form	3/24/2022	Mark Poole	poolemarkw@aol.com		
Website comment form	3/30/2022	Tom Narut	tom.narut@posdata.com		
Website comment form	3/30/2022	Mary Lambert	rlmlel@aol.com		We attended last night's community meeting (3/29/2022 - Sustanee) and although the developer has a great concept the sad fact is our roads are so deficient that living in east Orange is a night mare if you have to get to any thing on time. This part of the county has been severely neglected for too long
Website comment form	3/30/2022	Chad Swanson	cswanson295@hotmail.com		
Website comment form	3/30/2022	Daniel C. Buckman	Daniel C. Buckman		
Website comment form	4/1/2022	SUSAN WINTERHALTER	jsw.gaw@gmail.com		
Website comment form	4/1/2022	Garrett Bohl	gbohl@marshmoore.com		
Email comment	4/29/2022	Susan Sitkoff	susansitkoff@gmail.com		I noted that there are no improvements anticipated for Lake Picket road, but the massive development of 24,000 homes is slated to be completed in this area. i currently commute via Lake Picket to SR 50 in the morning at 645 am and traffic is typically backed up to get on SR50 to access the 408. In fact if I do not leave before 7am I need to wait at least another 10 minutes to turn onto SR 50. I was hoping to see the traffic study and proposed traffic totals for these new developments to see how this excess of traffic was proposed to be directed (new roads, wider roads, the assumption of alternative transportation?). The last traffic studies that were developed for the lake Pickett development located east of Chuluoate indicated that the homes would only have 1 car. If you drive in this area now you see most have at 3 or 4 and some have the entire driveways packed with cars. I know several people who live in these neighborhoods and there are a lot of multifamilies that live in these due to the excessive costs of the homes. Is there any plan to help all of the forthcoming traffic somehow flow out of this area without a tremendous impact on the people who live here? I was also curious about sidewalks. If you live out here you know that there are always people walking down SR 50 along the shoulder. It is heartbreaking to see young moms walking their kids in strollers with cars whizzing by. I have been praying for sidewalks for sometime, but although these appear to be mentioned I did not see any timeline, nor did I see a mention of any planned for anywhere along Lake Picket west of Chuluota. One last question, heading south on Chuluota to SR 50 it sounded like the plan was to add a second turning lane with a straight lane but the graphic appears to show the current configuration. Will a second dedicated left turn lane be added for this area? Thank you for your insight.

NEOCATS Public Meeting #1: Email List - Study Area Residents/Businesses

Source	Date	Name	Email/Phone #	Notes	Questions/Comments
Email response	4/29/2022	Susan Sitkoff	susansitkoff@gmail.com		<p>Email response from Babuji Ambikapathy, 04/29/2022.</p> <p>Good afternoon Susan,</p> <p>Orange County has plans to widen Lake Pickett Road from SR 50 to Percival Road from 2 to 4 lanes. Further as part of the study we have recommended capacity improvements along Lake Pickett Road from Percival Road to Chuluota Road as part of the NEEDS Plan. As part of the multimodal improvement projects, all the roads within the lake Pickett area will have sidewalks and marked bike lanes.</p> <p>Additionally, SR 50 is programmed is to be widened by Florida Department of Transportation from 4 to 6 lanes in year 2027 from Avalon Park Boulevard to Chuluota Road. As part of the roadway widening sidewalks and marked bike lanes will be constructed. Further as part of the study we have recommended adding an additional westbound lane (from 3 to 4 lanes) along SR 50 from Lake Pickett Road to Woodbury Road part of the NEEDS Plan..</p> <p>We have recommended the following at the intersection of SR 50 and Chuluota Road:</p> <p>By Year 2025 –</p> <p>1.Construct second EB Left Turn Lane</p> <p>2.Change SB approach to 2 SB lefts, 1 SB Through, and 1 SB Right</p> <p>By Year 2035 –</p> <p>1.Change NB Approach to 2 NB lefts and 1 NB Through-Right Turn Lane</p> <p>2.Six lanes along SR 50</p> <p>By Year 2045 –</p> <p>1.Convert NB Approach to Right-out only and provide U-turn east of the intersection.</p> <p>Thanks and have a great weekend.</p> <p>Please let us know if you have additional questions.</p>
Email comment	4/29/2022	Susan Sitkoff	susansitkoff@gmail.com		<p>Response by Susan Sitkoff, 04/29/2022:</p> <p>Great. That sounds like it should help.i appreciate the prompt response. Have a great weekend</p>
Email comment	5/4/2022	Joe Wallace	joe@cfrp.org	Executive Director Central Florida Research Park Orange County Research and Development Authority (407) 282-3944 joe@cfrp.org	<p>1. I have discovered a serious flaw in the NEOCATS presentation. The traffic model does not include Discovery Drive in the Central Florida Research Park. Discovery Drive connects to Libra Drive (UCF) to create a major north-south cut-through from the 408 through the research park to UCF and Seminole County to the north of UCF. Orange County performed a traffic study three years ago and the Discovery Drive road segment was identified as being "at / near capacity." There were more than 10.000 cut through trips. The research park projects to add 7,000 employees over the next 10 years.</p> <p>2. A new east-west roadway (Richard Crotty Parkway) is shown extending from Research Parkway. Research Parkway is a private road.</p>
Email response	5/4/2022	Joe Wallace	joe@cfrp.org		<p>Email response from Babuji Ambikapathy, 04/29/2022.</p> <p>Good morning Joe,</p> <p>Thanks for your email. Please see below.</p> <p>1.Thanks for pointing that out. The traffic model that we used for NEOCATS is 2045 Cost Feasible Central Florida Regional Planning Model (CFRPM version 7.0) and this includes Discovery Drive. The 2045 Socio-Economic data that we used for NEOCATS accounts for 15,000 additional service employees within Central Florida Research Park beyond the 2020 values. We didn’t extract the data related to Discovery Drive from the model as it was not one of the study area roadways identified within the scope but we will include it with the roadway segment analysis. On the other hand, we have included and analyzed the intersection of Discovery Drive and Ingenuity Drive within the study and have developed recommendations to improve the traffic operations at this study intersection.</p> <p>2.Comment noted. The roadway alignment for the East-West Roadway east of Dean Road has not been identified. However for modeling purposes we assumed it to be along Research Parkway between Alafaya Trail and Discovery Drive.</p>
Email comment	5/5/2022	Joe Wallace	joe@cfrp.org		<p>Follow up response from Joe Wallace:</p> <p>Thank you. I am still confused about Discovery Drive. If this roadway segment was “at / near capacity” in the 2019 Orange County traffic study, and the new model assumes an additional 15,000 employees in research park beyond 2020 levels, then this roadway segment would intuitively “exceed capacity” and fail. The current conditions map in report #2 shows no color code for this segment.</p>
Email response	5/6/2022	Joe Wallace	joe@cfrp.org		<p>Follow-up response from babuji Ambikapathy:</p> <p>Thanks Joe.</p> <p>The power point used for Community Meeting # 2 held on March 30, 2022 did not show any information along Discovery Drive as it was not one of the study area roadways identified within the scope. As mentioned below we will include this roadway segment from Research Parkway and Ingenuity Drive in our roadway segment analysis.</p> <p>Also I want to make a correction to the below email. We have included and analyzed the intersection of Discovery Drive and Research Parkway (not the intersection of Discovery Drive and Ingenuity Drive) within the study and have developed recommendations to improve the traffic operations at this study intersection.</p>
Email response	9/6/2022	Linda White	linda@carillonhoamail.com	Carillon HOA	
Email response	10/11/2022	Ricky Ly	rickyly2007@gmail.com		

NEOCATS Public Meeting #1: Email List - Study Area Residents/Businesses

Source	Date	Name	Email/Phone #	Notes	Questions/Comments
Email response	10/11/2022	Ricky Ly	rickyly2007@gmail.com		Safety is a very important issue to me. As a UCF alumni, I recall hearing horror stories almost every weekend about students losing their lives on University and Alafaya trying to walk home or driving. When I was a senior, my colleague, a president of the Society of Women Engineers and SGA senator was in a car accident on Alafaya Trail that caused the death of her boyfriend and irreparably damaged / traumatized her for the rest of her life. Enough is enough - please do everything you can to help provide safety for students and residents in East Orange County. Thank you.