

Transportation Planning Division

**University Boulevard
Pedestrian/Cyclist Safety Study
Community Meeting**

October 22, 2024



Presentation Outline

- **Introductions & Opening Remarks**
- **Overview**
- **Existing Conditions**
- **Study Alternatives**
- **Public Engagement**
- **Public Comment**



Introductions



Emily Bonilla
DISTRICT 5 COMMISSIONER



Introductions

Orange County Project Contact:

Krista Taraszewski, Project Manager

Transportation Planning Division

Orange County Public Works

Department

4200 S. John Young Parkway

Orlando, FL 32839

Email: Krista.Taraszewski@ocfl.net

Phone: (407) 836-8014

Consultant Project Contact:

Babuji Ambikapathy, PE, AICP

VHB

225 E Robinson Street, STE 300

Landmark Center Two

Orlando, FL 32801

Email: Bambikapathy@vhb.com

Phone: (407) 459-1630



Call, Email, Complete Survey, or Visit Website

www.UniversityBoulevardPedestrianCyclistSafetyStudy.com





- **The presentation will be followed by a question-and-answer period**
- **Comments will be addressed in the order they are received**
- **If you received a newsletter, you are on the project mailing list. If you did not, please sign in and provide your address to be added to the mailing list**

Please submit comments by November 8, 2024

Date: <u>10/21/24</u>	Speaker Request Card	Number
<i>To be completed prior to making a recorded statement</i>		
PUBLIC MEETING NO. 1		
October 21, 2024		
University Boulevard Pedestrian/Bicyclist Safety Study from Semoran Boulevard to Goldenrod Road Orange County, Florida		

Please Print:

Name: _____
 Last First Middle Initial

Address: _____
 Street _____
 City State Zip Code

Telephone: () _____
 Area Code

Representing: Self _____ Firm _____
 Government Agency _____
 Civic Organization _____
 Homeowners Association _____
 Other _____



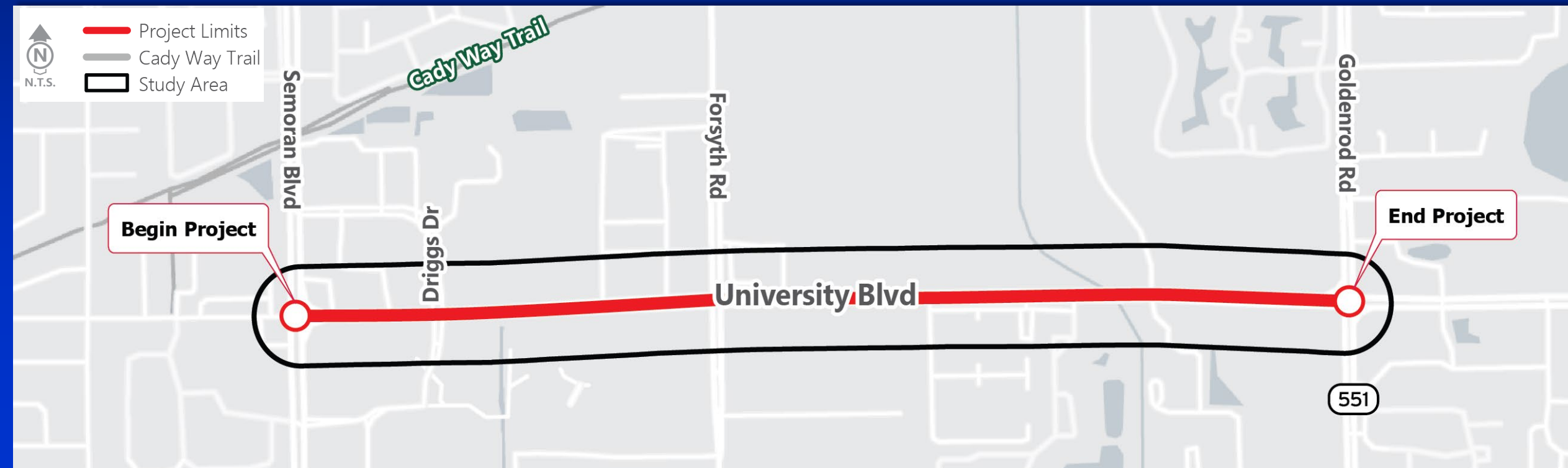
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Overview

University Boulevard

- The Study begins at Semoran Boulevard and ends at Goldenrod Road – Approximately 1.25 miles
- The corridor is a designated multimodal corridor with mostly commercial land use on the north side and bordered on the south by Full Sail University and residential land use

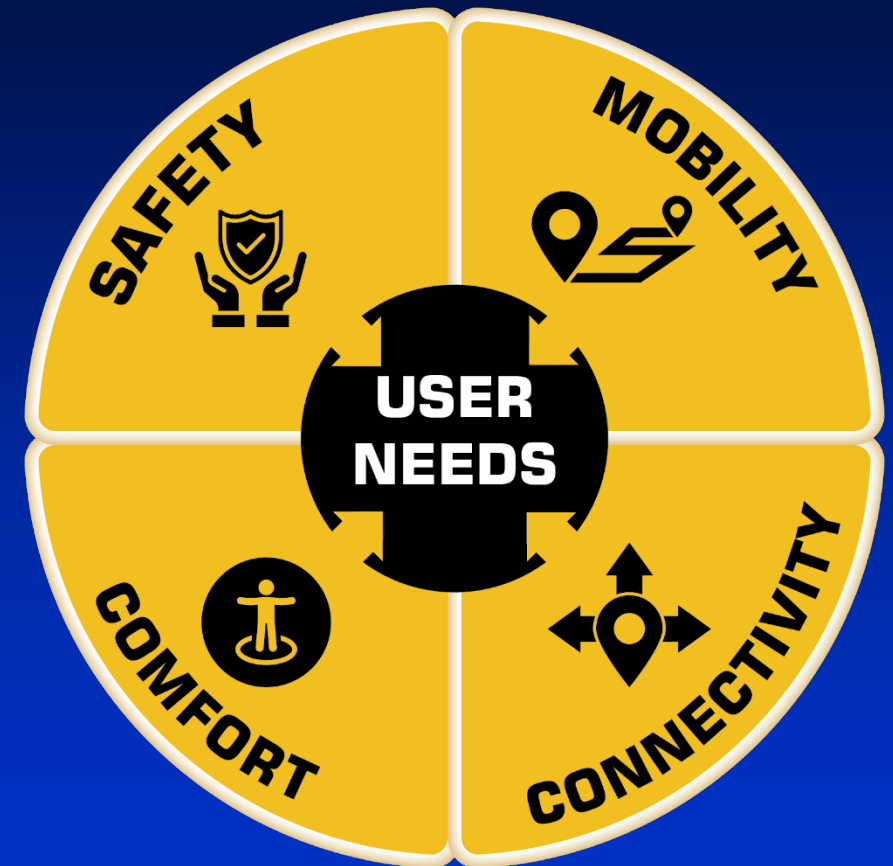




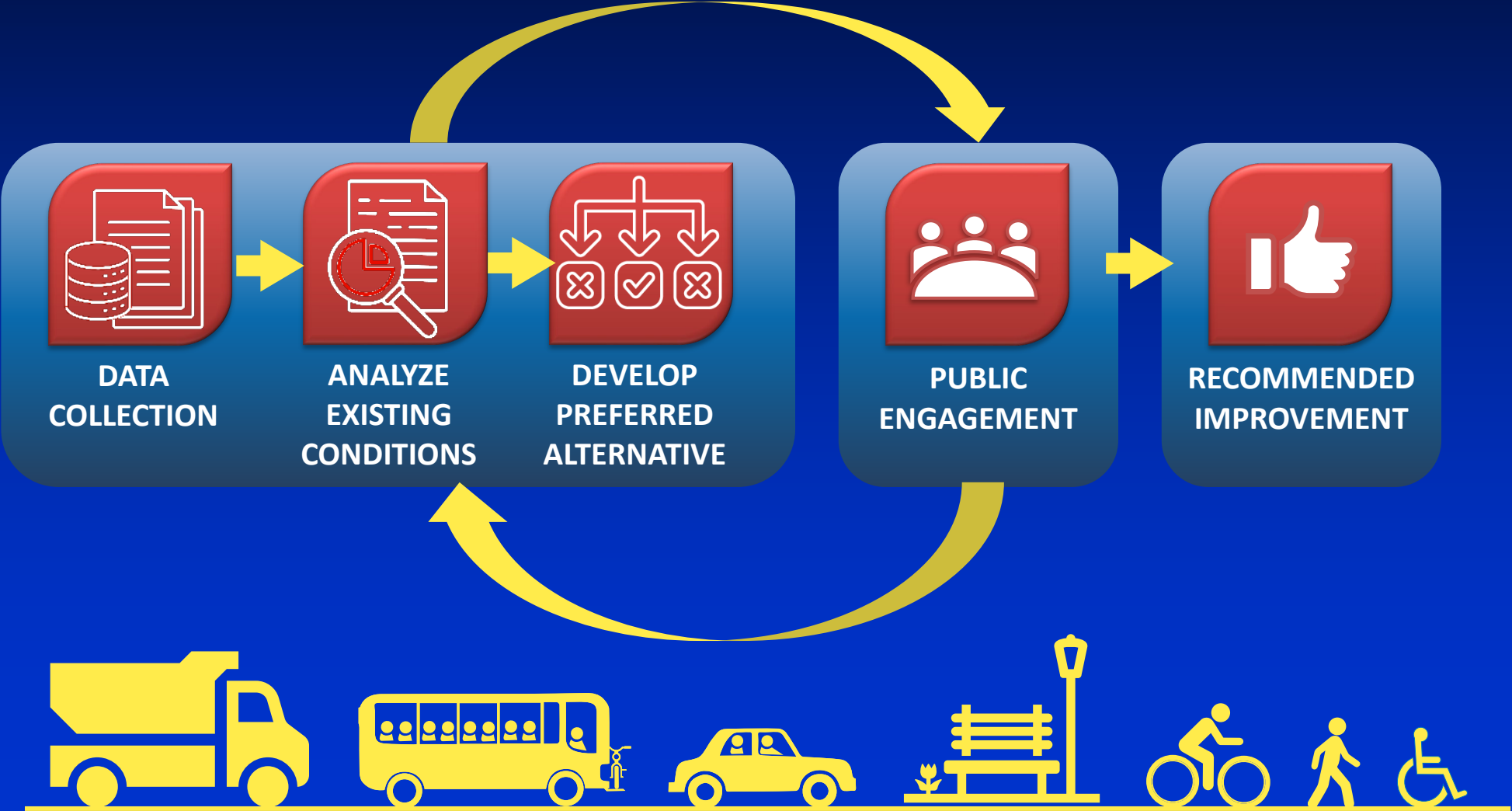
Overview

Identify Improvements

- Document Project Need
- Balance Needs of all Users
 - Safety
 - Mobility
 - Comfort
 - Connectivity



Study Process





Presentation Outline

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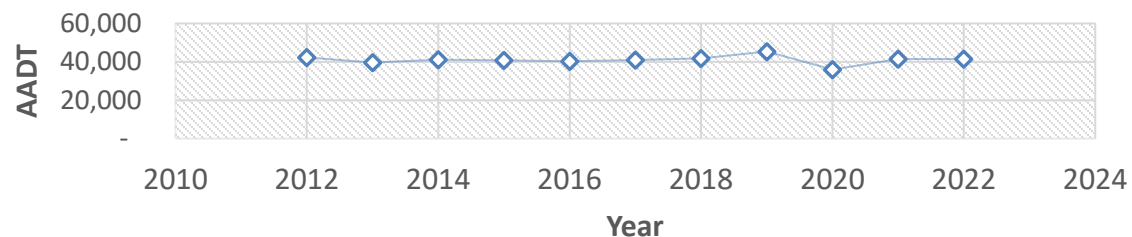
Existing Conditions

Roadway Characteristics

- University Boulevard is a six-lane minor arterial roadway with a 45-mph posted speed
- Sidewalks along both sides of roadway
- No bicycle lanes
- Right-of-way varies 128' to 162'
- Study intersections:
 - SR 436
 - Driggs Drive
 - Forsyth Road
 - Metric Drive
 - Goldenrod Road



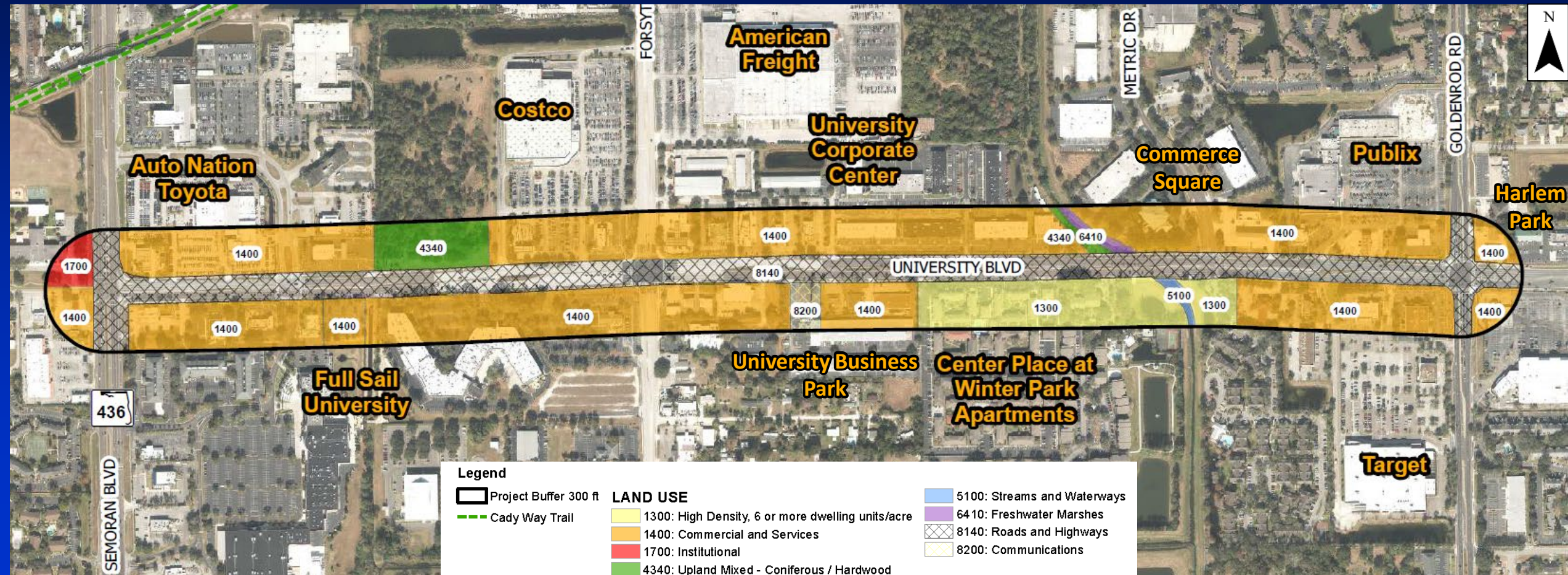
Traffic Volume Trend between 2012 and 2022





Existing Conditions

Existing Land Use/Major Developments

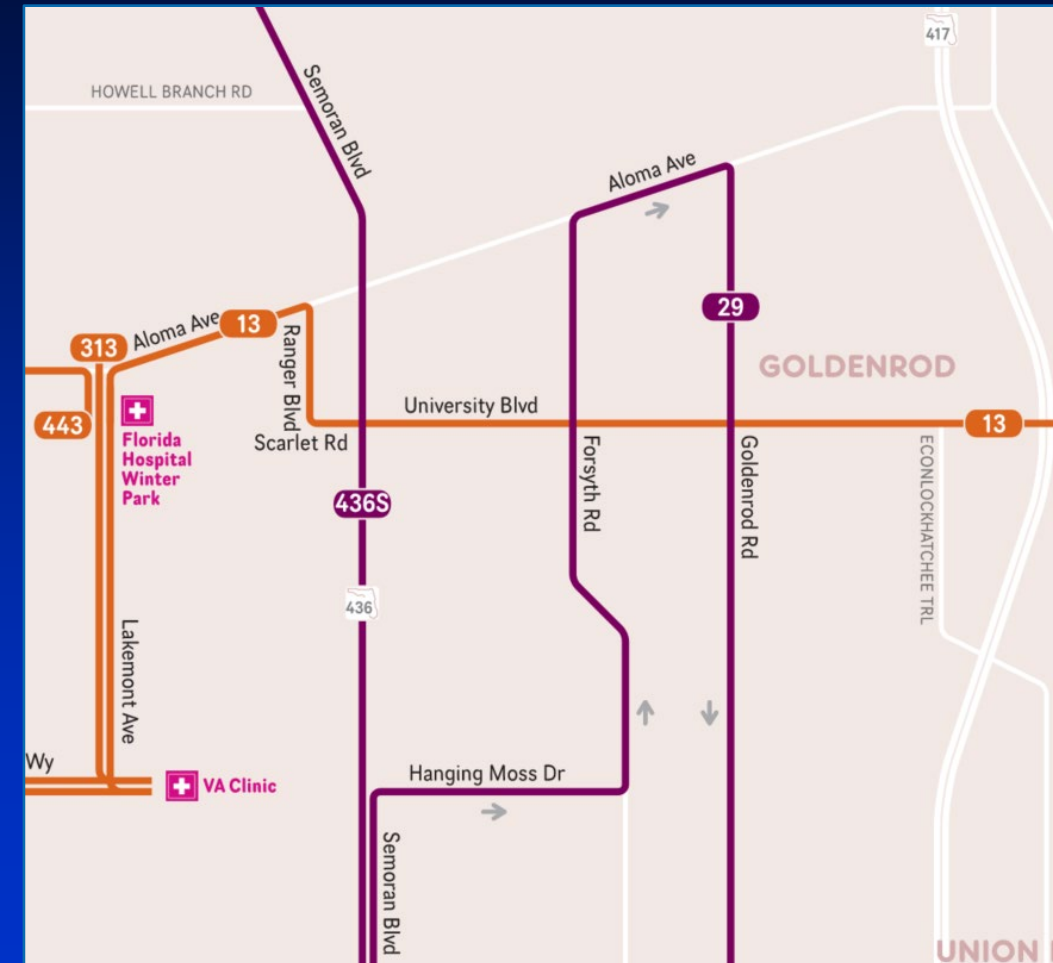




Existing Conditions

Transit Services (LYNX)

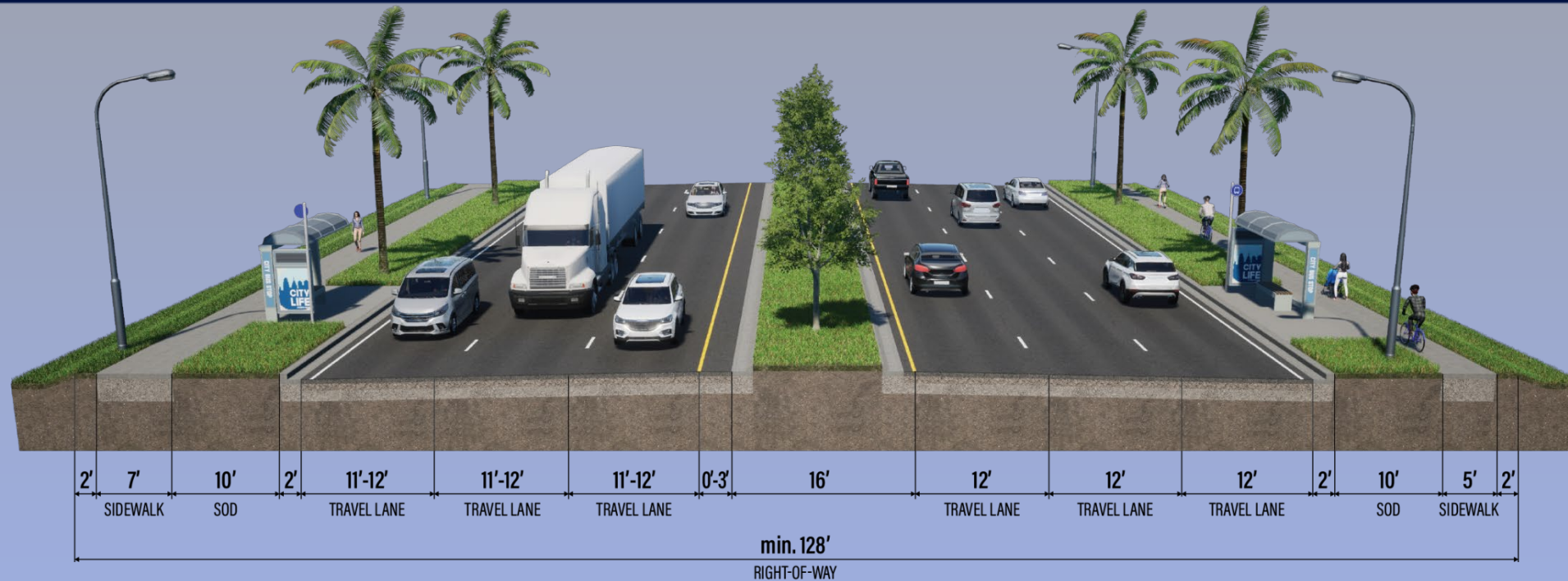
- Link 13 (4 stops between SR 436 & Forsyth Rd)
 - 2022 Yearly Ridership: 149,254
 - Frequency – 60 minutes
- Link 29
 - 2022 Yearly Ridership: 241,294
 - Frequency – 30 minutes
- Link 436S
 - 2021 Yearly Ridership: 604,410
 - Frequency – 30 minutes



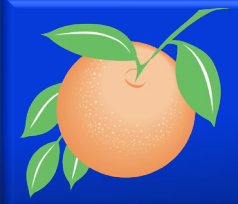
Source: LYNX



Existing Conditions



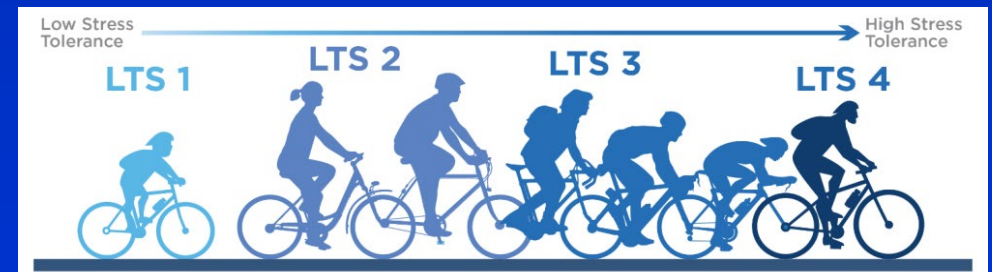
- Three 11-12 foot-wide travel lanes with 16-foot raised median
 - 5-foot-wide sidewalk on the south side of the roadway
 - 7-foot-wide sidewalk on the north side of the roadway
 - No bicycle lanes

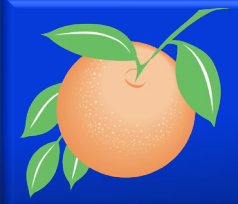


Existing Conditions

Multimodal LOS

University Boulevard	Value
Number of Lanes	6 Lanes
Posted Speed	45 mph
AADT	41,000
Roadway Segment LOS (Auto)	LOS D or better (except WB from Driggs Drive to Semoran Boulevard - LOS F)
Pedestrian Level of Stress (LTS)	LTS 4 (Lowest comfort level) Sidewalk Width \leq 5 ft and high speed
Bicycle LTS	LTS 4 (Lowest comfort level) Sidewalk Width \leq 5 ft and high speed
Transit LOS	LOS E (one route with 60 min headway)



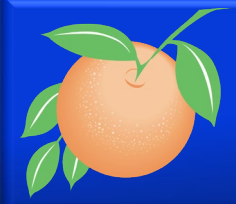


Existing Conditions

Crash History and Safety

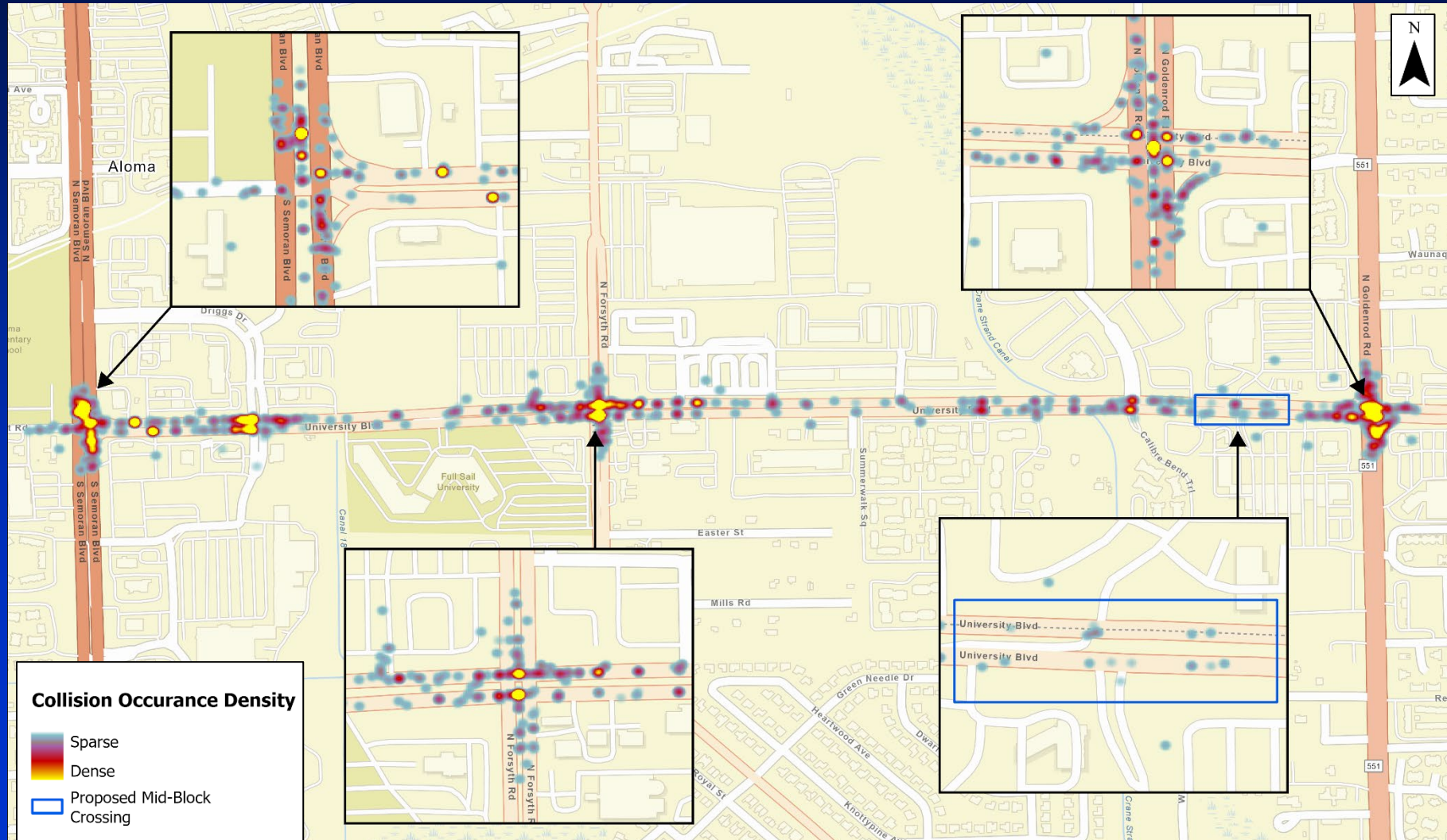
- Total 813 crashes – 8/27/2018 to 8/27/2023
 - 741 within a signalized intersection
 - 72 along roadway segments
 - 1 Fatality (Off-road crash)
 - 35 Pedestrian/Bicycle related crashes
- Safety audit conducted with safety experts and local stakeholders





Existing Conditions

Historical Crashes – Heat Map





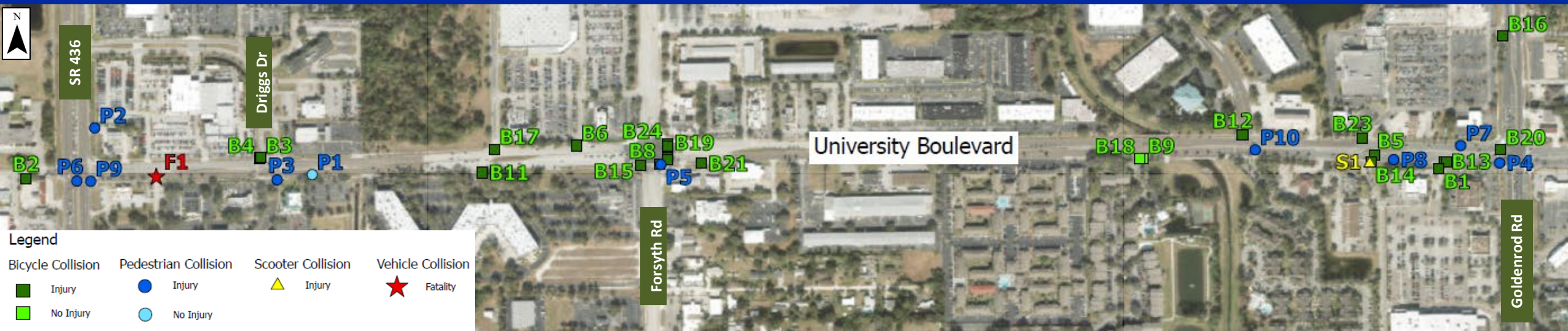
Existing Conditions

Pedestrian/Bicycle Related Crashes

- 35 Pedestrian/Bicycle related crashes
 - 24 bicycle related
 - 10 pedestrian related
 - 1 scooter related
 - 91% resulting in injuries and 17% resulting in serious injuries

Ped/Bicycle Crash Hot Spots:

- University Blvd/SR 436
- University Blvd/Forsyth Rd (majority bicycle related)
- University Blvd/Driggs Dr
- Near Costco driveways

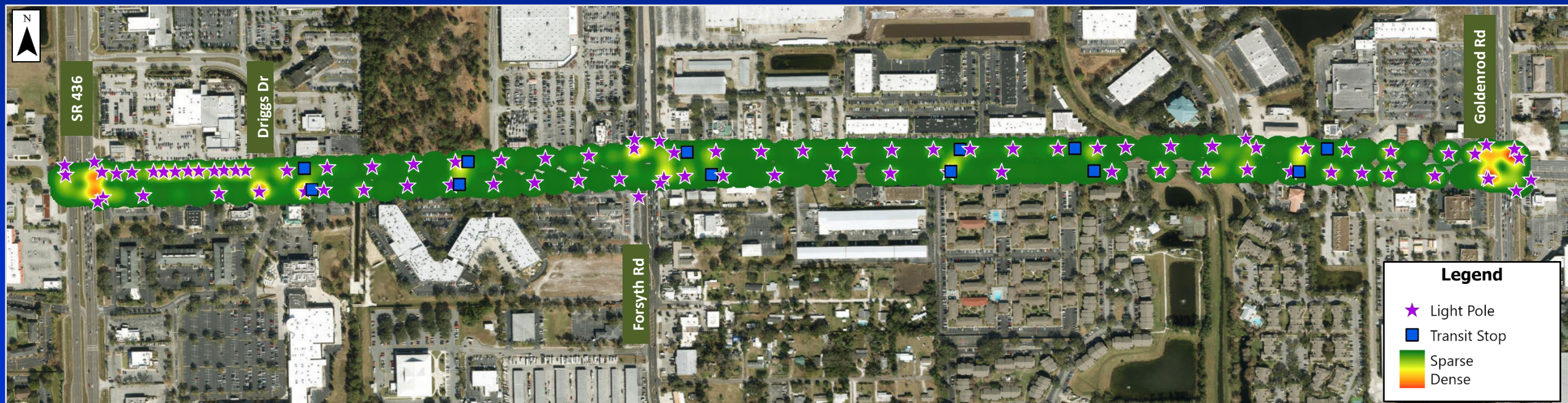




Existing Conditions

Lighting

- University Boulevard Luminosity
 - Lower than standard along length of corridor
 - No sufficient lighting at transit stops

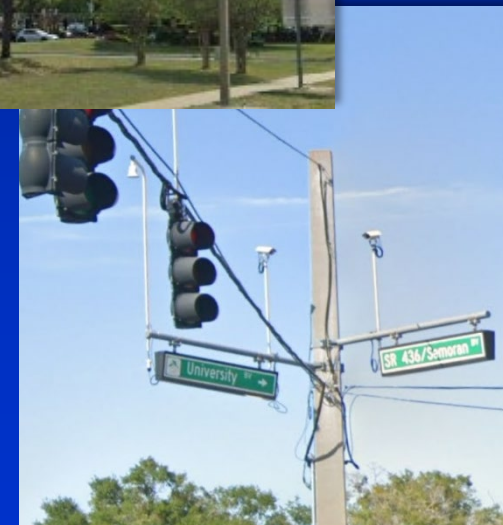


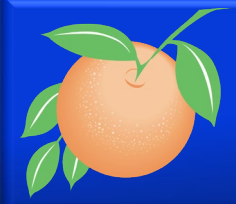


Existing Conditions

Utilities & Drainage

- Utilities present along corridor
 - 19 Utility Agency Owners (UAOs) including electric, fiber, cable, water, etc.
 - Project is within the St. John's River Water Management District and the Little Econlockhatchee Basin
 - 3 permitted ponds and closed drainage system along the corridor



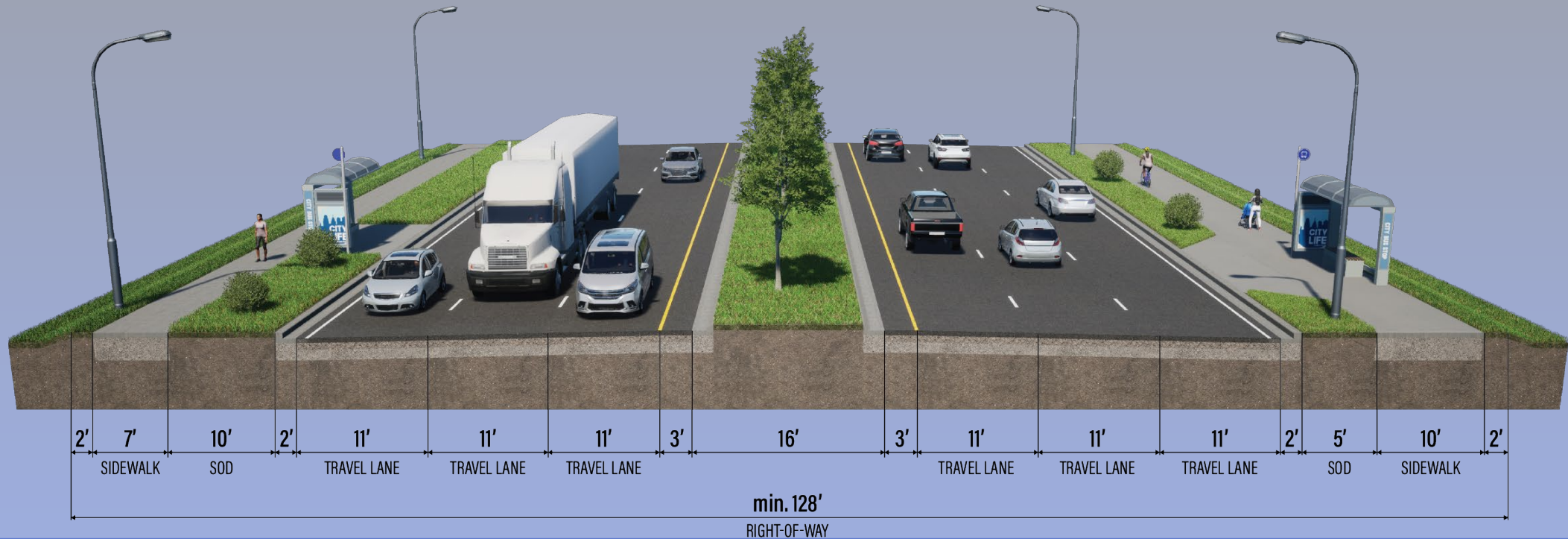


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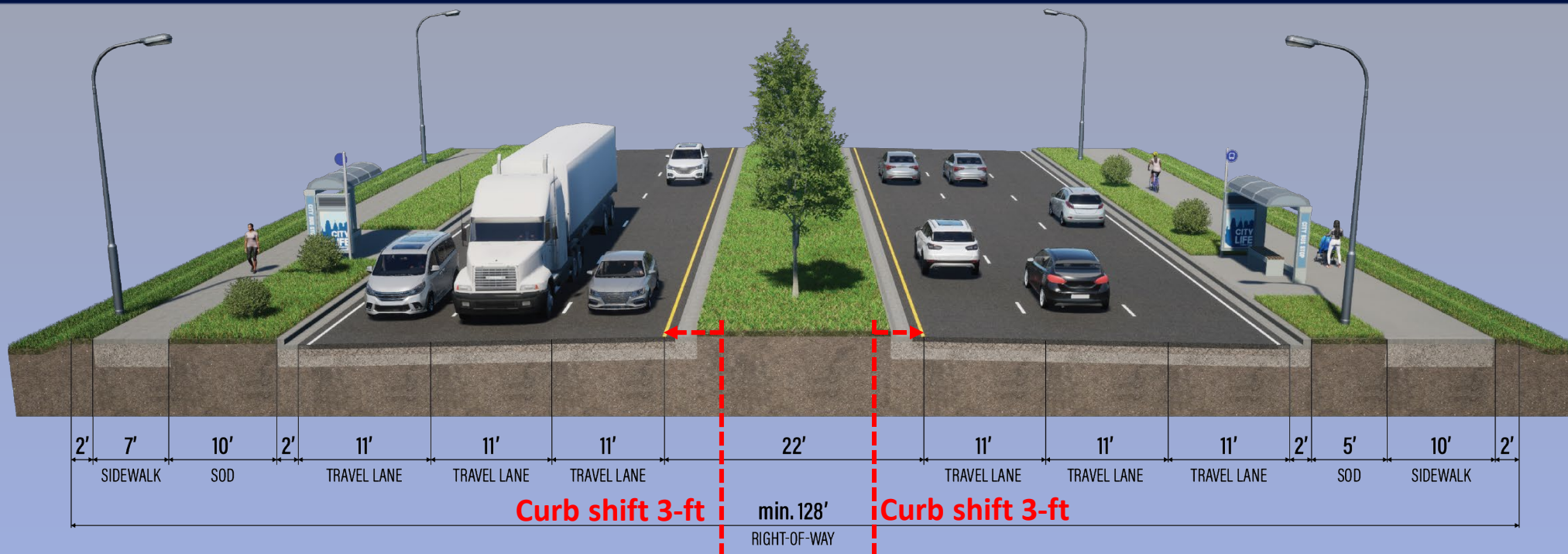
Typical Section Alternative 1



- **Three 11-foot-wide travel lanes in each direction with 16-foot raised median**
 - Provide 10-foot-wide sidewalk on the south side of the roadway
 - Maintain 7-foot-wide sidewalk on the north side of the roadway
 - Maintain existing median and curb and gutter



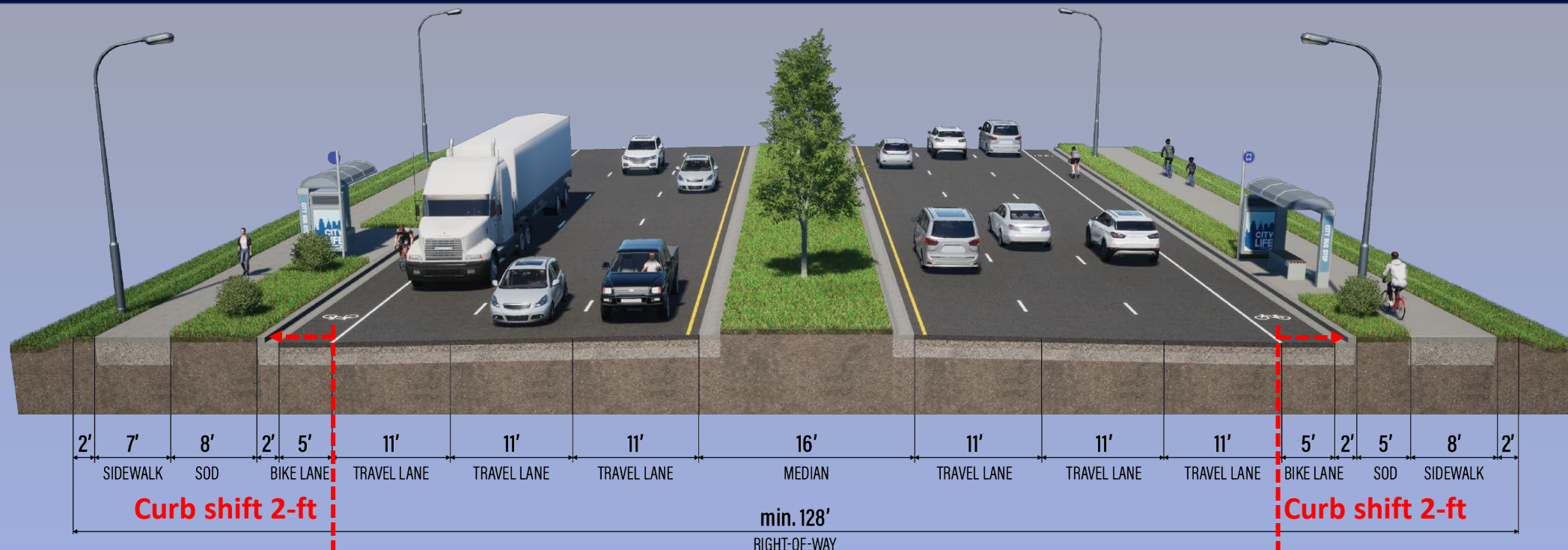
Typical Section Alternative 2



- **Three 11-foot-wide travel lanes in each direction with 22-foot raised median**
 - Provide 10-foot-wide sidewalk on the south side of the roadway
 - Maintain 7-foot-wide sidewalk on the north side of the roadway
 - Outside curb and gutter remain in existing location and median curb and gutter to be shifted



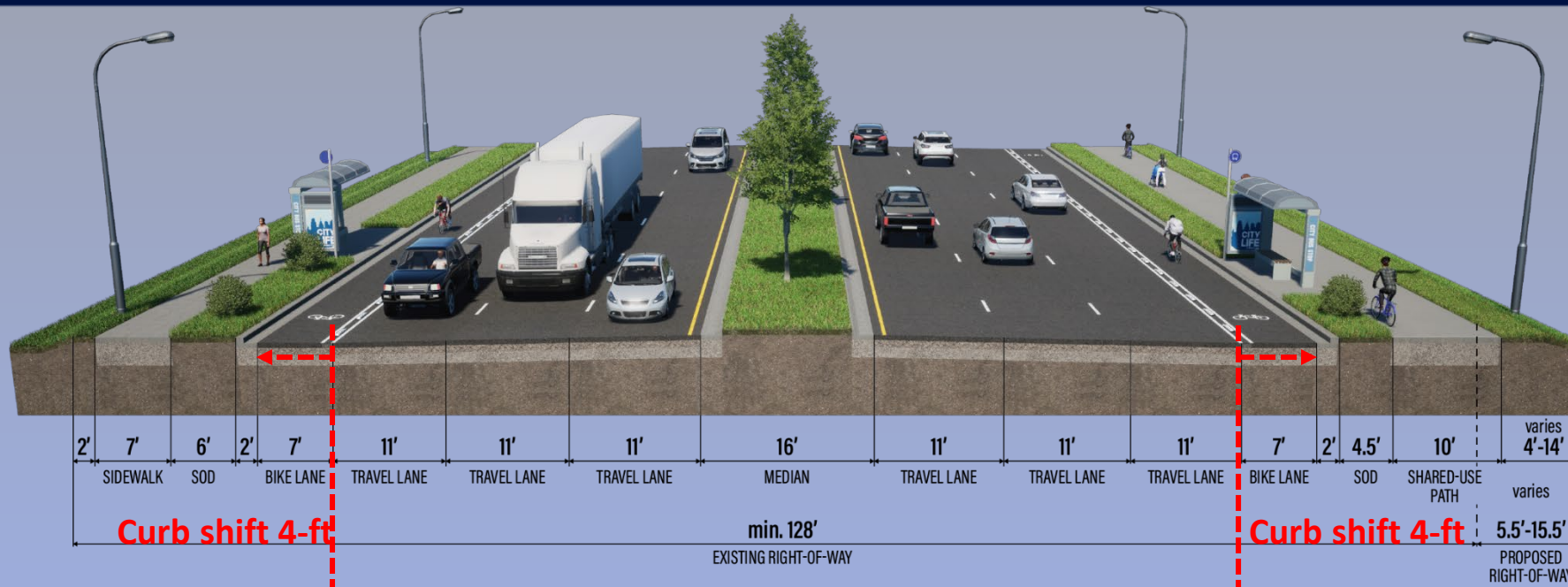
Typical Section Alternative 3



- **Three 11-foot-wide travel lanes in each direction with 16-foot raised median**
 - Provide 8-foot-wide sidewalk on the south side of the roadway
 - Maintain 7-foot-wide sidewalk on the north side of the roadway
 - Provide 5-foot-wide bike lanes on both sides
 - Move outside curb and gutter out 2-feet on both sides of roadway



Typical Section Alternative 4



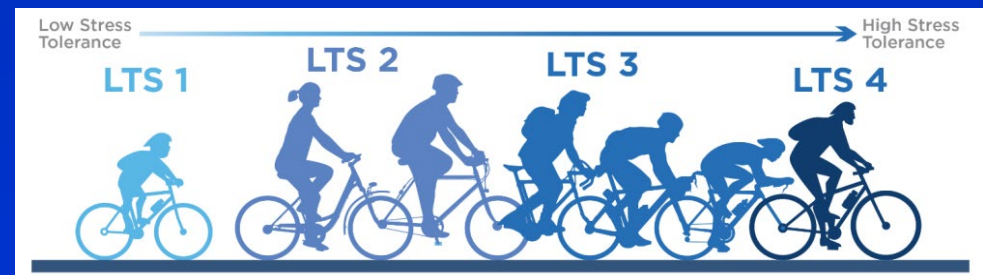
- Three 11-foot-wide travel lanes in each direction with 16-foot raised median
 - Provide 10-foot-wide shared use path on the south side of the roadway
 - Provide 7-foot-wide protected bike lanes with Zicla Zipper on both sides
 - Maintain 7-foot-wide sidewalk on the north side of the roadway
 - Move outside curb and gutter out 4 feet on both sides of roadway
 - Requires additional 5.5'-15.5' of proposed ROW



Build Conditions

Multimodal LOS

University Boulevard	Value
Number of Lanes	6 Lanes
Recommended Posted Speed	40 mph
AADT	52,000
Roadway Segment LOS (Auto)	LOS E (except WB from Driggs Drive to Semoran Boulevard - LOS F)
Pedestrian Level of Stress (LTS)	LTS 2 (Higher comfort level) 10 ft Sidewalk, Reduced Speed, and Vertical Separation
Bicycle LTS	LTS 1 (Highest comfort level) 10 ft Sidewalk, Reduced Speed, and Vertical Separation
Transit LOS	LOS D or better (Four proposed routes with 15-30 min headway)

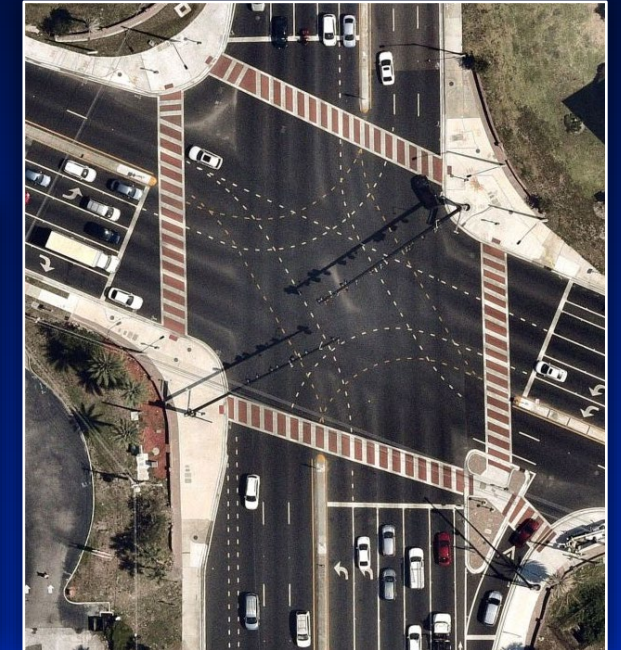
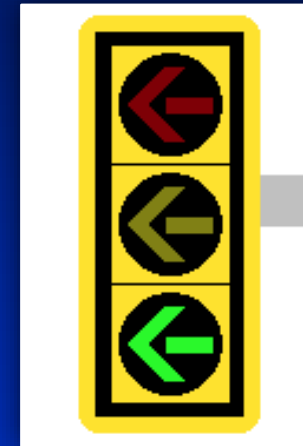




Study Alternatives

Additional Improvements

- Midblock crosswalks with Pedestrian Hybrid Beacon (PHB)
- Pedestrian fencing in the median
- High visibility crosswalks
- ADA upgrades
- Intersection improvements for increased pedestrian safety
 - Reduced curb radius
 - Leading Pedestrian Intervals at signalized intersections
 - No right turn on red
 - Protected only left turns





Study Alternatives

Pedestrian Hybrid Beacon (PHB)



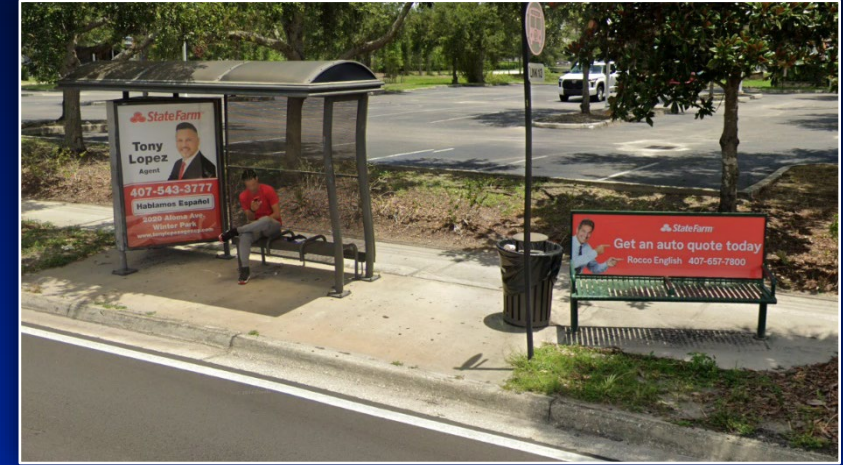
- PHBs remain dark until activated by someone waiting to cross the road
- They can help increase driver attention to pedestrians crossing the roadway and reduce rear-end collisions
- The red signal indication requires motorists to make a complete stop



Study Alternatives

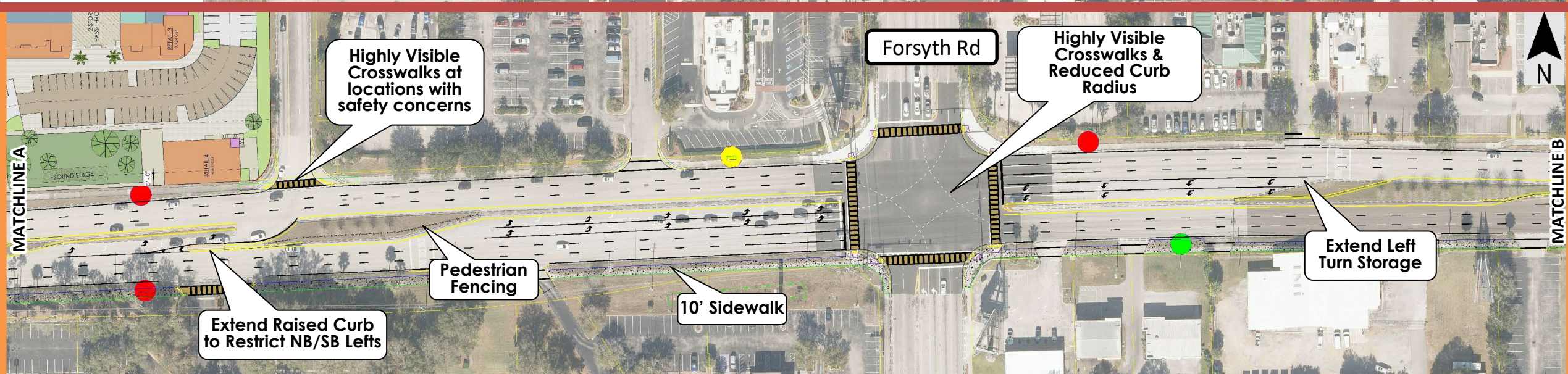
Additional Improvements

- Bus stop relocation and consolidation
- Access management improvements
- Intelligent Transportation System (ITS) features
- Speed management
- Lighting enhancements
- Landscaping



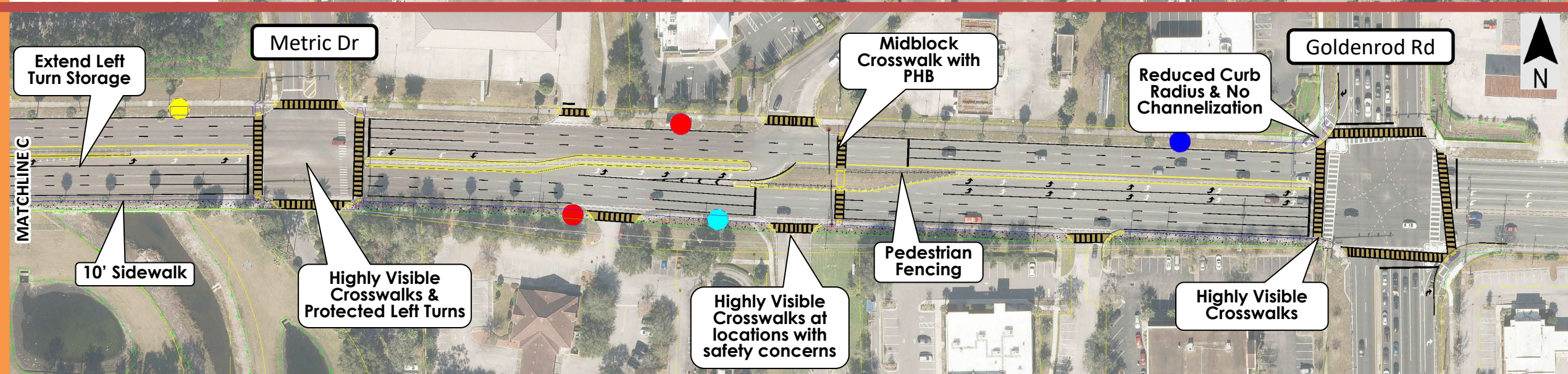
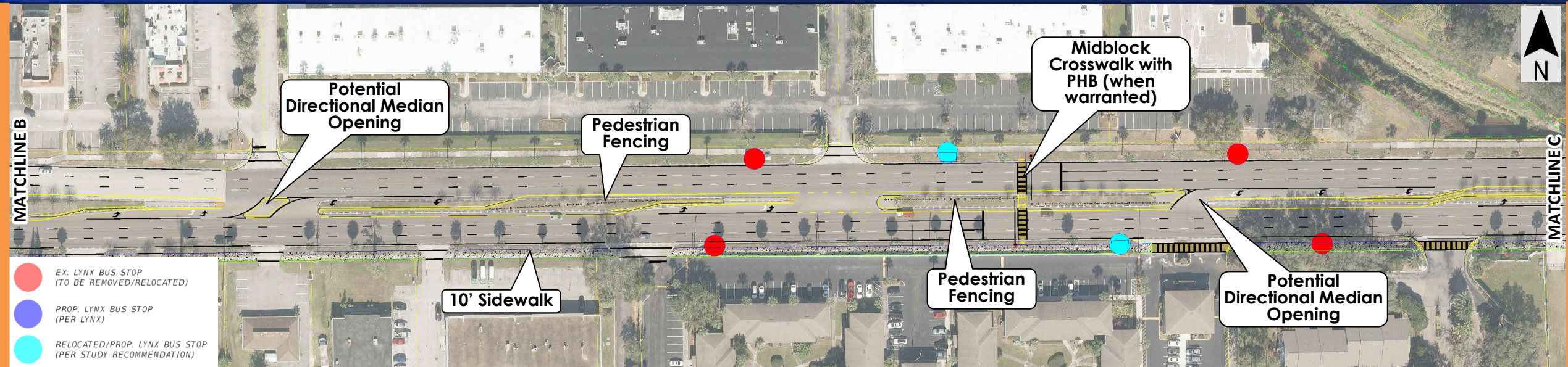


Study Alternative 1





Study Alternative 1





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Public Engagement Opportunities

■ Study Website

<https://universityboulevardpedestriancyclistsafetystudy.com>

■ Community Meetings

■ Newsletters

■ Call/Email

■ Attend LPA & BCC Hearings



Welcome to Orange County University Boulevard Pedestrian/Cyclist Safety Study

Home Study Process Project Documents Project Schedule Submit Feedback

University Boulevard Pedestrian/Cyclist Safety Study

Orange County, Florida is conducting a pedestrian and cyclist safety study along University Boulevard, from Semoran Boulevard to Goldenrod Road. This corridor is home to various businesses, residences and institutions that promote bicycle and pedestrian activity. Some of the largest generators of activity include Full Sail University, Aloma Elementary School, Costco, Publix, Target, Alvista Winter Park, Calibre Bend Apartments and Central Place at Winter Park Apartments, and various restaurants and commercial buildings.

Under current conditions, the University Boulevard corridor creates mobility challenges for the non-motorists in the study area. Compounded with the expected growth in development and traffic, those challenges may increase over time; potentially, adversely impacting the safety of all the corridor users. As a result, Orange County initiated this study.

The study objective is to provide both project-wide and location-specific safety, accessibility, comfort, and convenience accommodations for pedestrians, cyclists, transit patrons, motorists and freight handlers of all ages and abilities.

We strongly encourage public participation and welcome your feedback!

- Sign up to receive project updates!
- Submit your feedback using the online tool!
- Spread the word to others in your community about this important effort!

ANNOUNCEMENTS

"Upcoming Meeting" Please check back for more information regarding the upcoming Alternatives Information Public Meeting tentatively scheduled for October 21, 2024.

SIGN UP

Sign Up to be added to the contacts list, or to request information or to share your thoughts about the study.



Public Engagement & Study Schedule

Task	2023	2024				2025	
	Sep-Dec	Jan-Mar	Apr-May	Jun-Aug	Sep-Dec	Jan-Mar	Apr-Jul
Project Kick-Off	<div></div>						
Stakeholder Coordination							
Public Outreach Meetings				We are here → <div>1</div>		<div>2</div>	
Local Planning Agency (LPA)/Board of County Commissioners (BCC) Workshops & Public Hearings							
Corridor Analysis & Project Need Documentation							
Improvement Alternatives Development & Analysis							
Recommended Alternative Improvement Evaluation							
Final Recommended Improvement Concept							
Project Wrap Up							<div></div>



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Ways to Provide Feedback During the Meeting

- Ask questions and speak with project team members at the community meeting
- Submit a written comment form or fill out a speaker card
- Complete the study survey
 - Visit bit.ly/UniversityBLVDSurvey or scan the QR code to complete the study survey



- Link to survey also available on study website:

www.universityboulevardpedestriancyclistsafetystudy.com

Please submit comments by November 8, 2024

Date: 10/21/24 **Speaker Request Card** Number ☐

To be completed prior to making a recorded statement

PUBLIC MEETING NO. 1
October 21, 2024
University Boulevard Pedestrian/Cyclist Safety Study
from Semoran Boulevard to Goldenrod Road
Orange County, Florida

Please Print:


Name: Last First Middle Initial

Address: Street

City State Zip Code

Telephone: () Area Code

Representing: Self Firm Government Agency Civic Organization Homeowners Association Other

 **University Boulevard Pedestrian/Cyclist Safety Study**
from Semoran Boulevard to Goldenrod Road

Public Meeting No. 1 – Comment Form

Name Phone

Address

City State Zip Code

☐ Check here to be added to the project mailing list.

Please use this comment form to express your opinions regarding the planned improvement of the **University Boulevard Pedestrian/Cyclist Safety Study, from Semoran Boulevard to Goldenrod Road**. You can leave your completed form in the comment box at this meeting, with a member of the project team today or mail it, postmarked by **Friday, November 8, 2024**, to the address below. All comments are part of the project record and are available for viewing by the public and media.

Comments:

Please mail comment form to:
Krista Taraszewski, Orange County Project Manager
Transportation Planning Division
4200 South John Young Pkwy
Orlando, FL 32839
E-mail: krista.taraszewski@ocfl.net
Telephone: 407-836-8014

Community Meeting
Monday, October 21, 2024
6 – 7:30 p.m.
Presentation at 6:30 p.m.
Aloma Elementary School Cafeteria
2949 Scarlet Road
Winter Park, FL 32792



Ways to Provide Feedback After the Meeting

Orange County Project Contact:

Krista Taraszewski, Project Manager

Transportation Planning Division

Orange County Public Works

Department

4200 S. John Young Parkway

Orlando, FL 32839

Email: Krista.Taraszewski@ocfl.net

Phone: (407) 836-8014

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Public Comment

**QUESTIONS AND
ANSWERS**