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

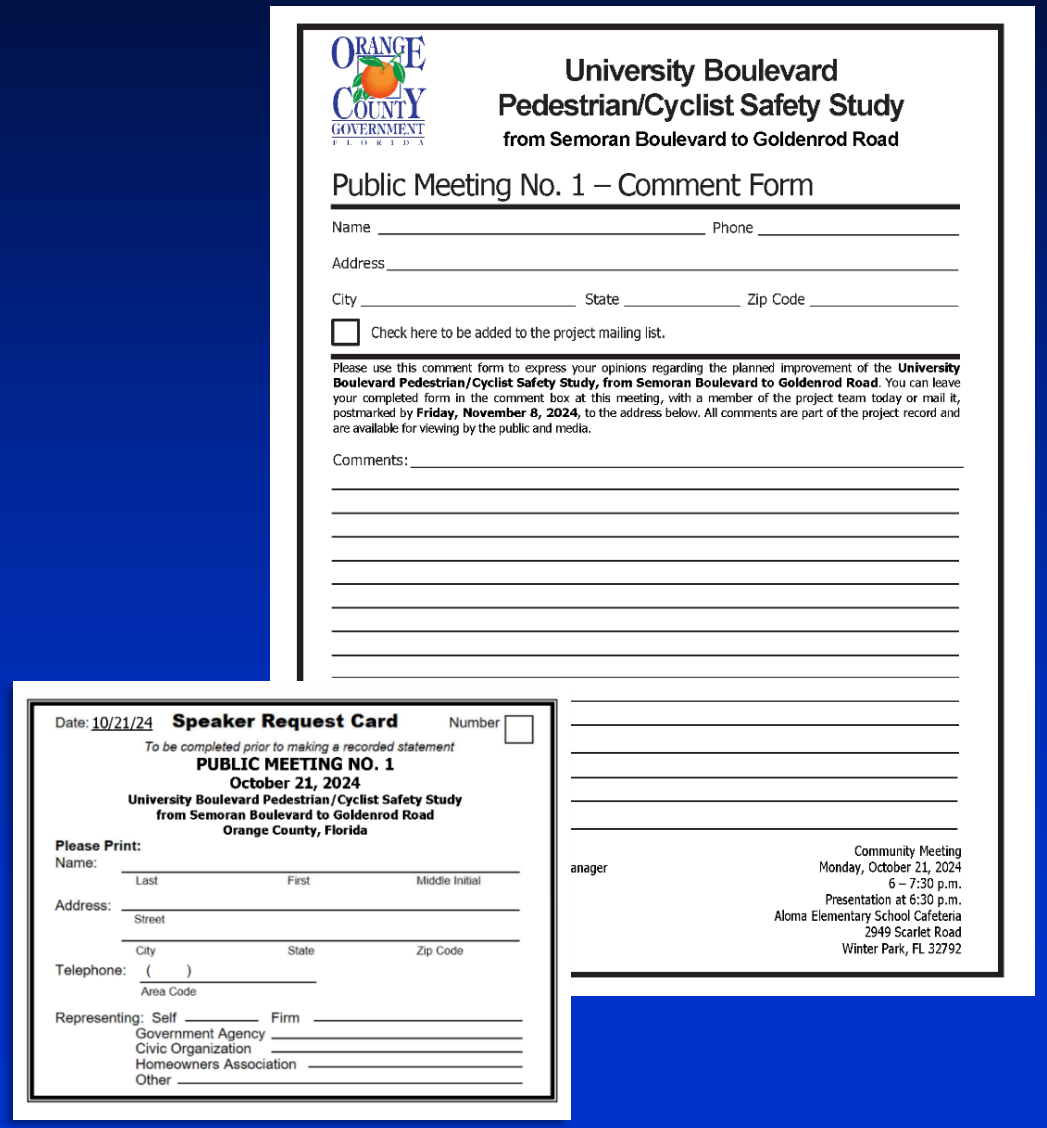
www.UniversityBoulevardPedestrianCyclistSafetyStudy.com

Introductions

Meeting Instructions

- 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



ORANGE COUNTY GOVERNMENT FLORIDA

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: _____

anager

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

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 _____

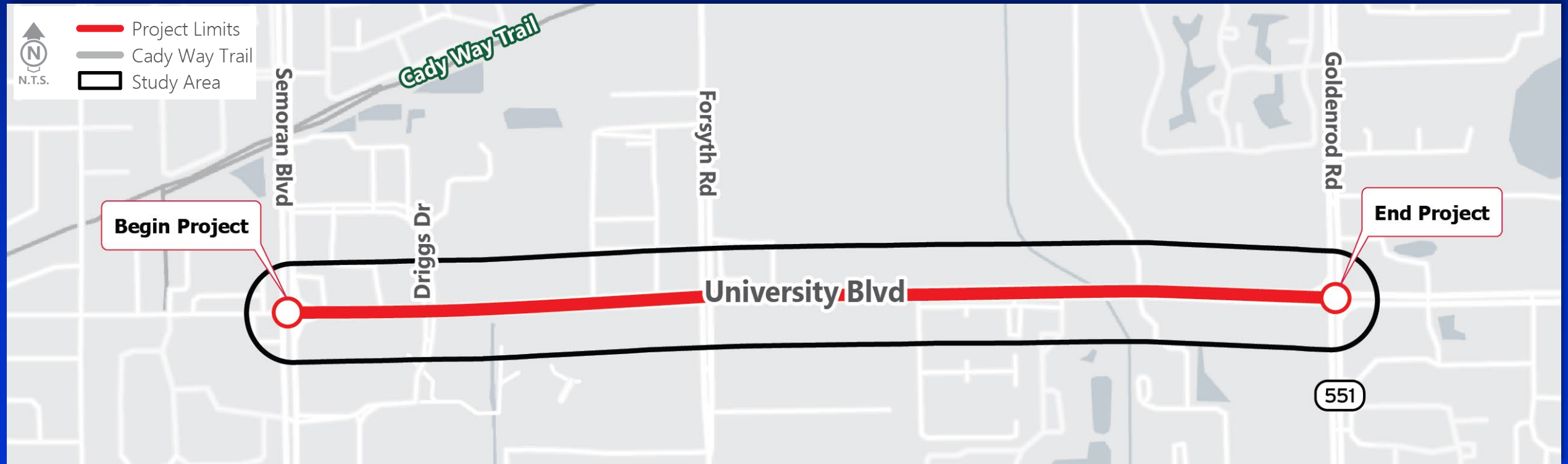
Presentation Outline

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

Overview

University Boulevard

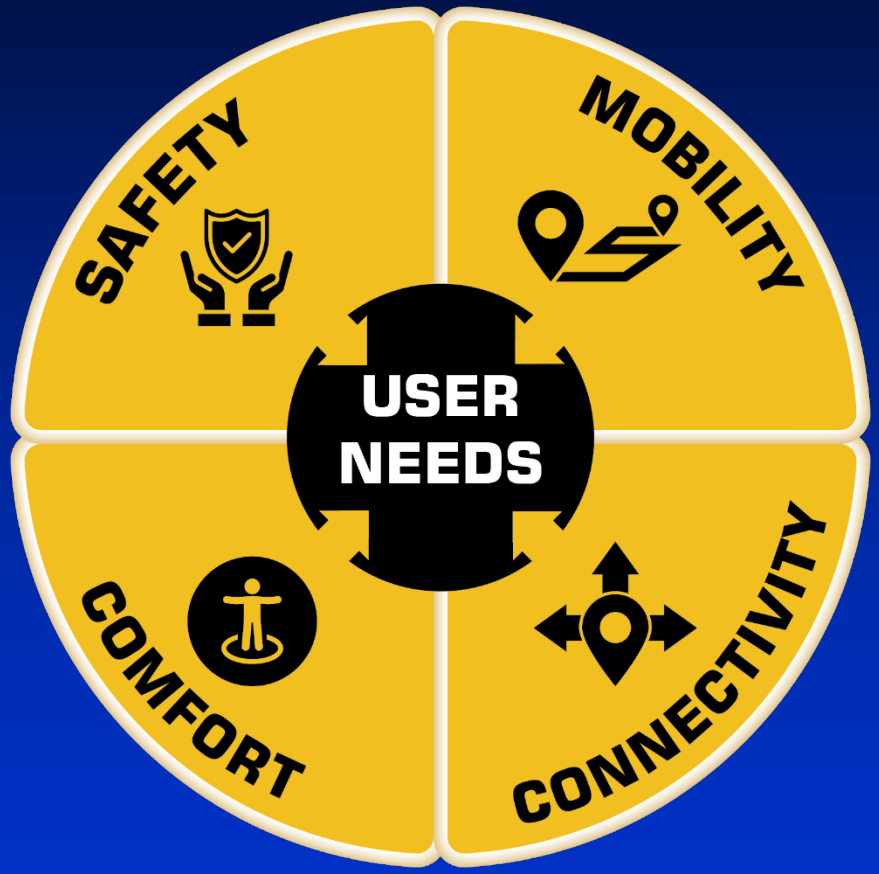
- The Study begins at Semoran Boulevard and ends at Goldenrod Road – Approximately 1.25 miles
- The corridor is a designated multimodal corridor with mostly commercial land use on the north side and bordered on the south by Full Sail University and residential land use



Overview

Identify Improvements

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



Overview

Study Process

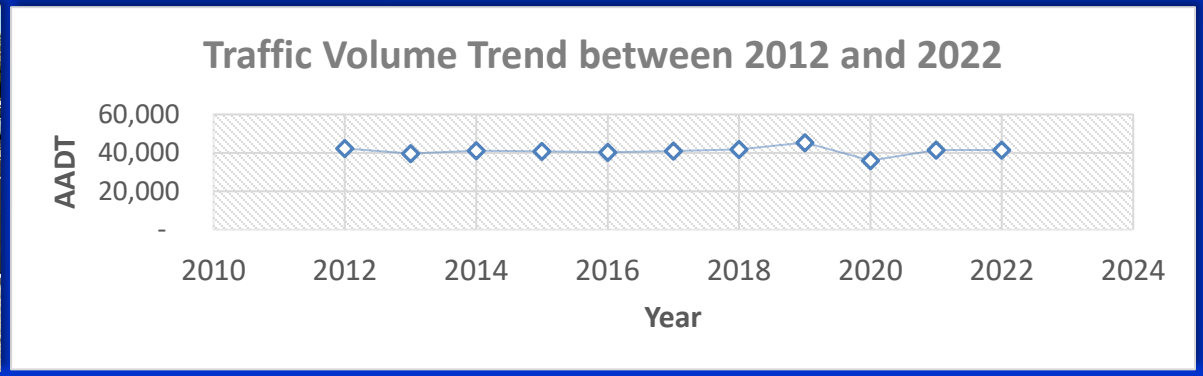
Presentation Outline

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

Existing Conditions

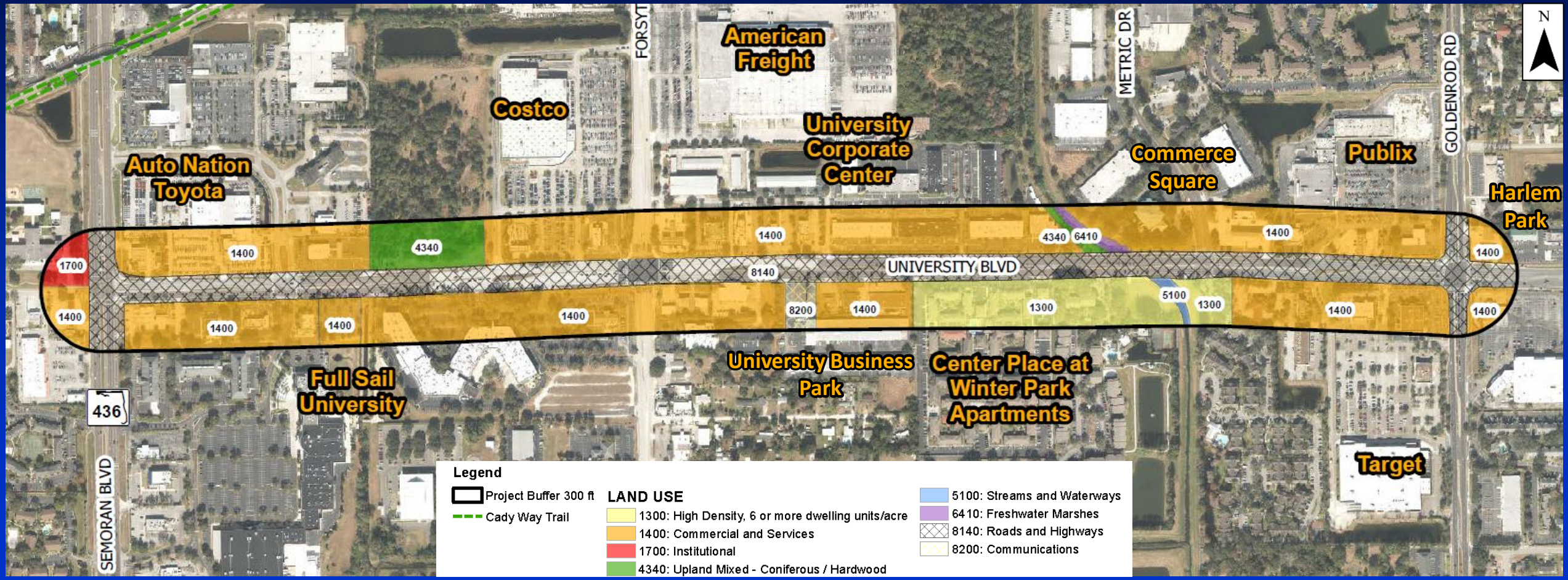
Roadway Characteristics

- 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



Existing Conditions

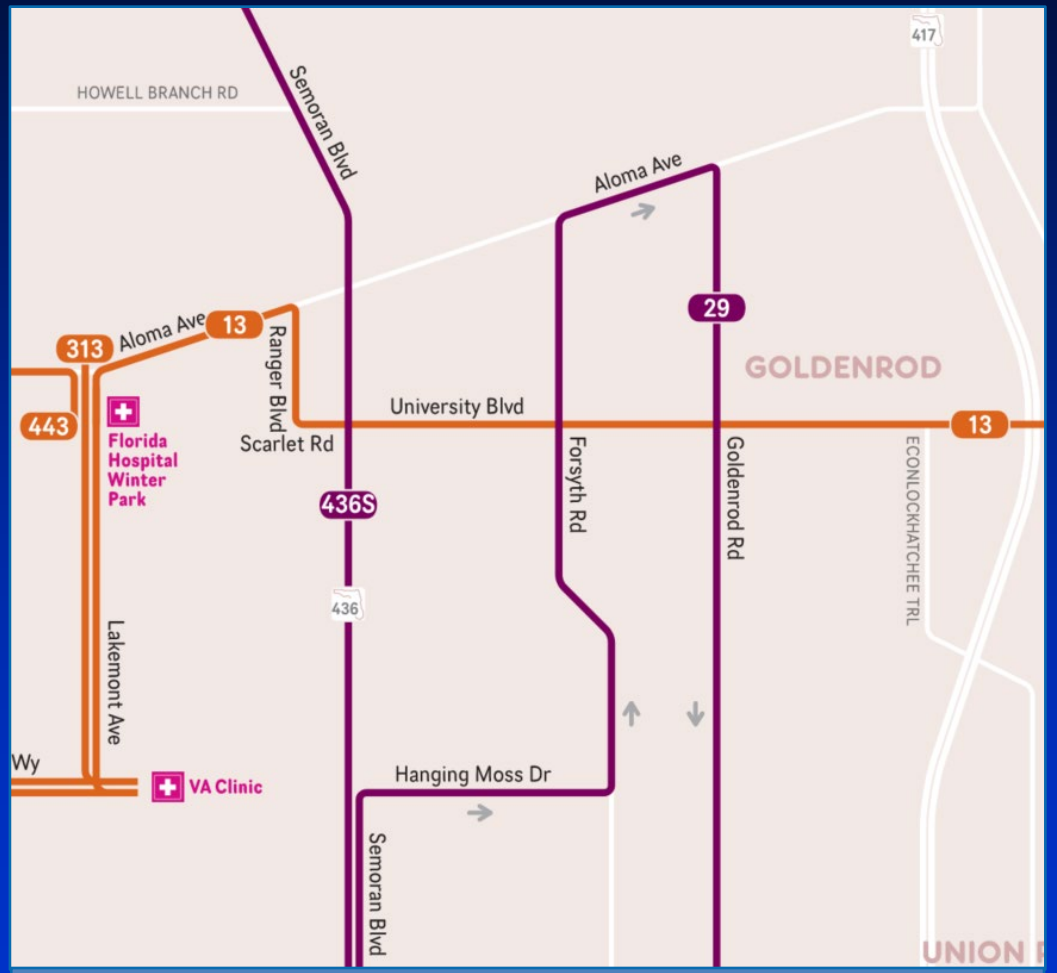
Existing Land Use/Major Developments



Existing Conditions

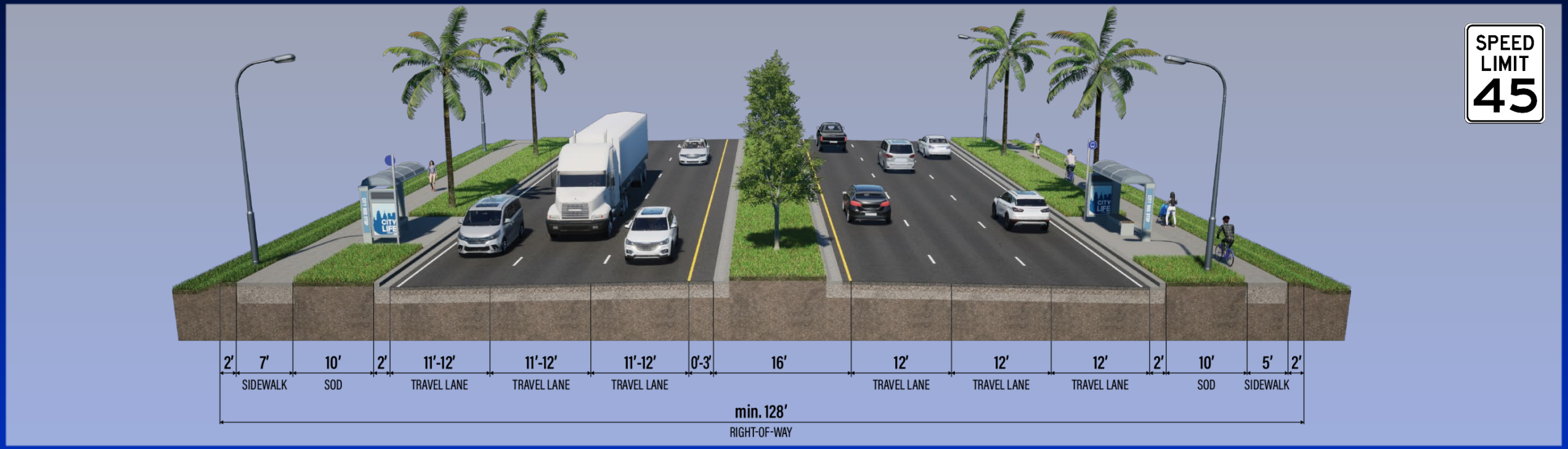
Transit Services (LYNX)

- 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

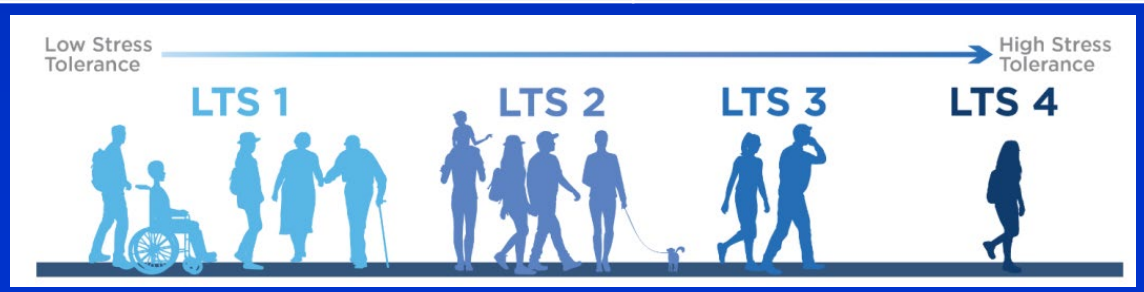


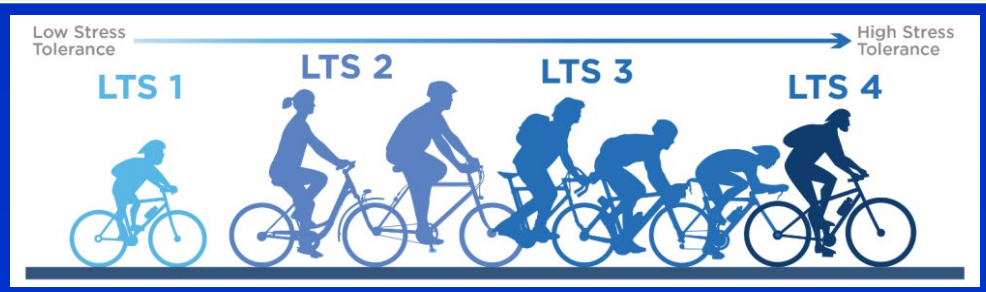
- Three 11-12 foot-wide travel lanes with 16-foot raised median
  - 5-foot-wide sidewalk on the south side of the roadway
  - 7-foot-wide sidewalk on the north side of the roadway
  - No bicycle lanes

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 <= 5 ft and high speed
Bicycle LTS	LTS 4 (Lowest comfort level) Sidewalk Width <= 5 ft and high speed
Transit LOS	LOS E (one route with 60 min headway)





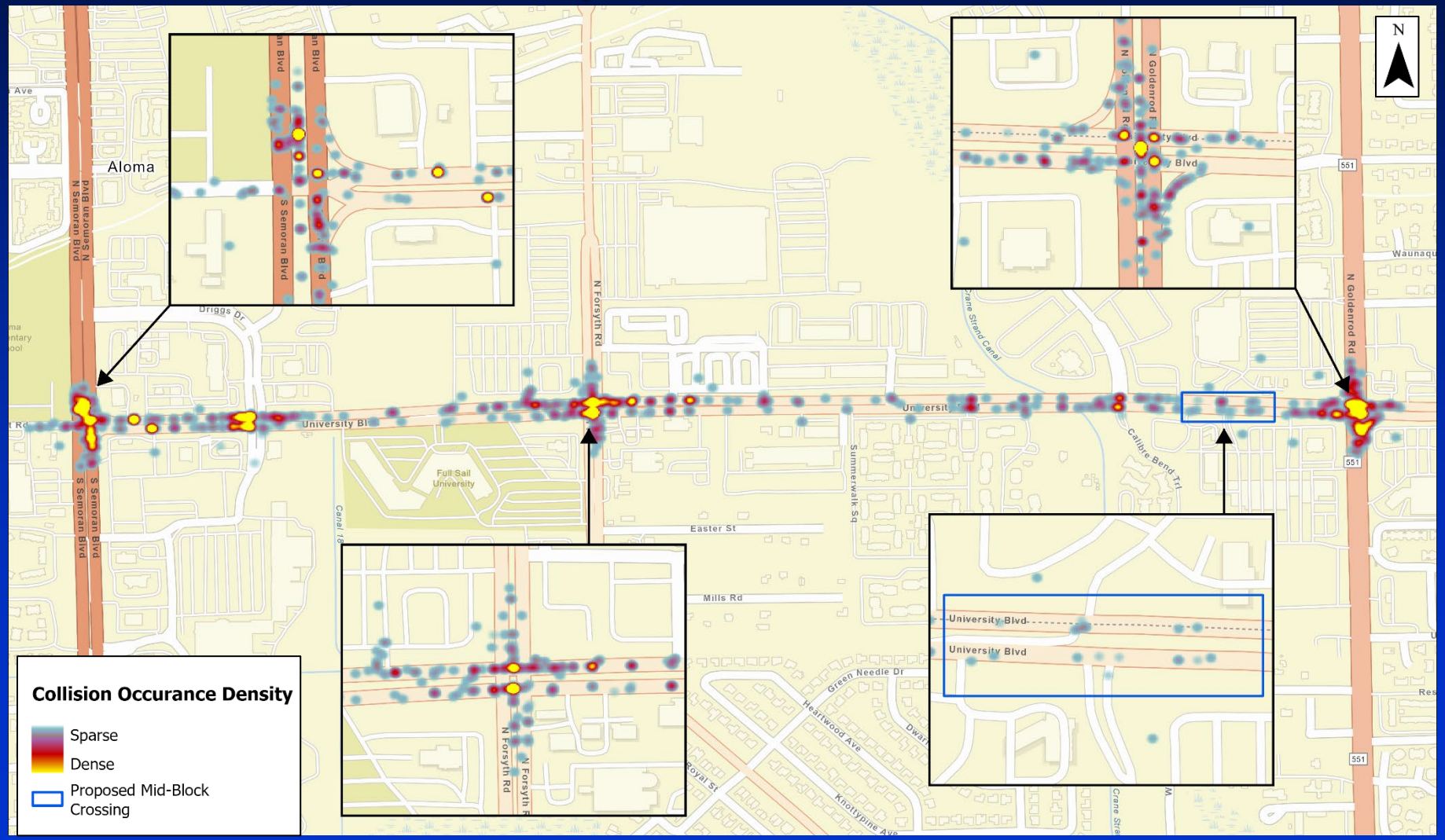
Existing Conditions

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



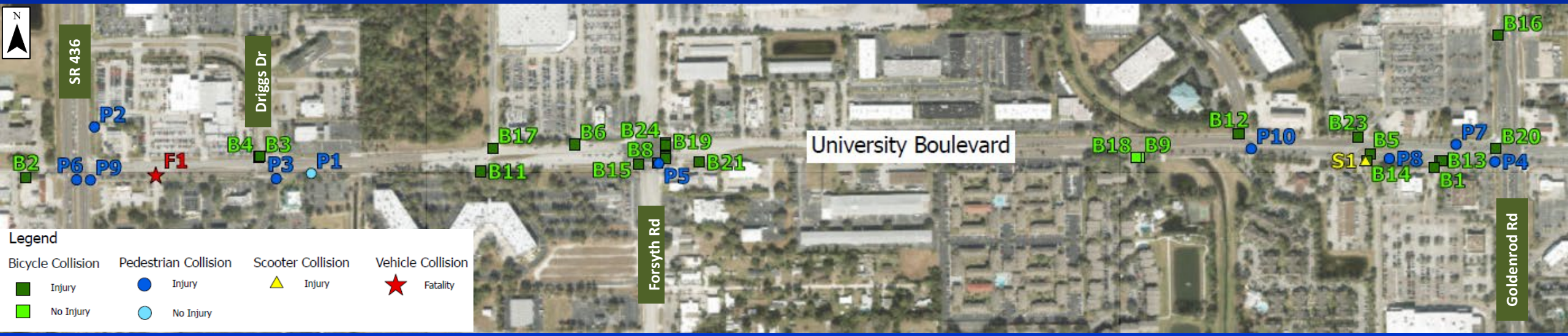
Existing Conditions

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

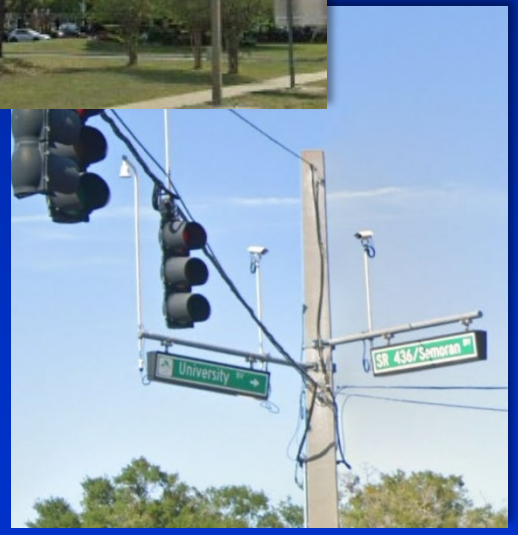
Lighting

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

Existing Conditions

Utilities & Drainage

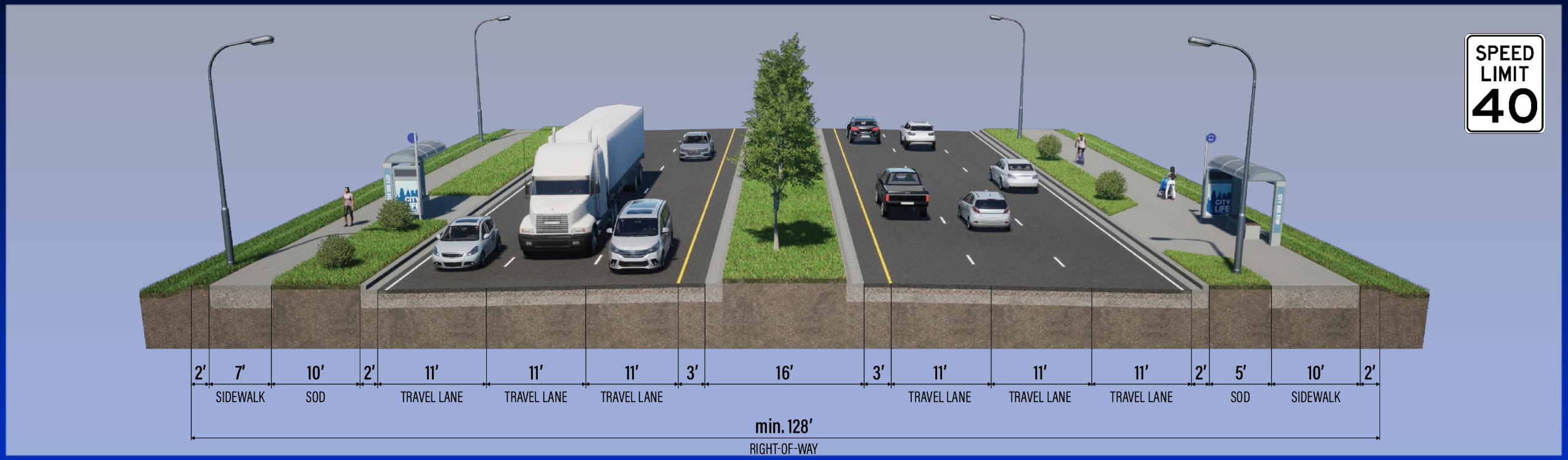
- Utilities present along corridor
  - 19 Utility Agency Owners (UAOs) including electric, fiber, cable, water, etc.
  - Project is within the St. John's River Water Management District and the Little Econlockhatchee Basin
  - 3 permitted ponds and closed drainage system along the corridor



Presentation Outline

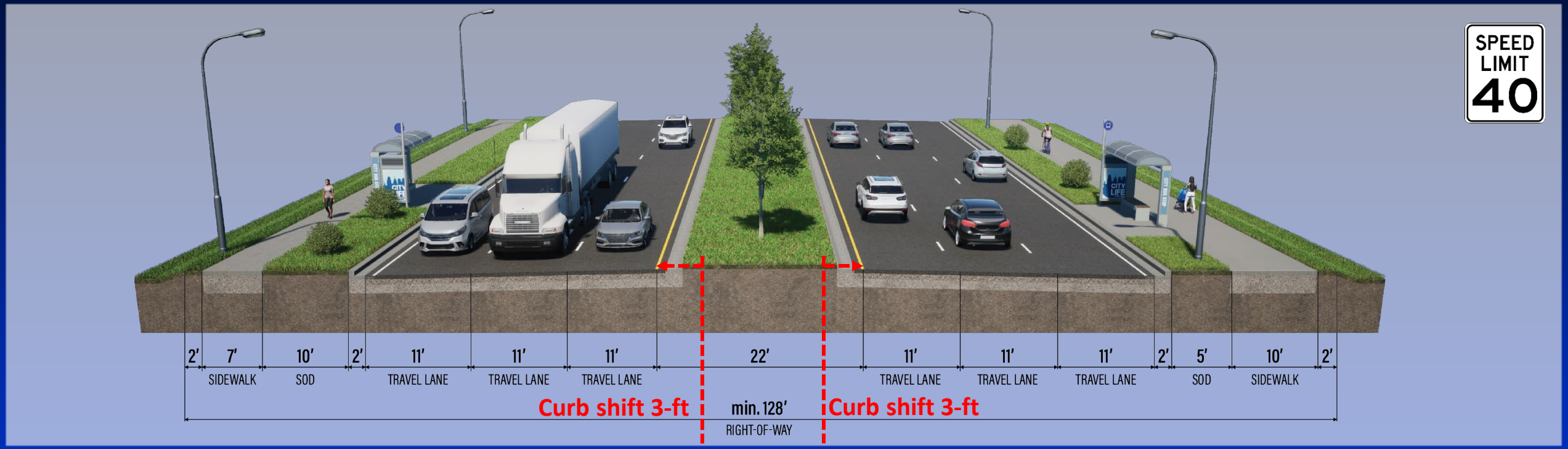
- Introductions & Opening Remarks
- Overview
- Existing Conditions
- **Study Alternatives**
- Public Engagement
- Public Comment

Typical Section Alternative 1



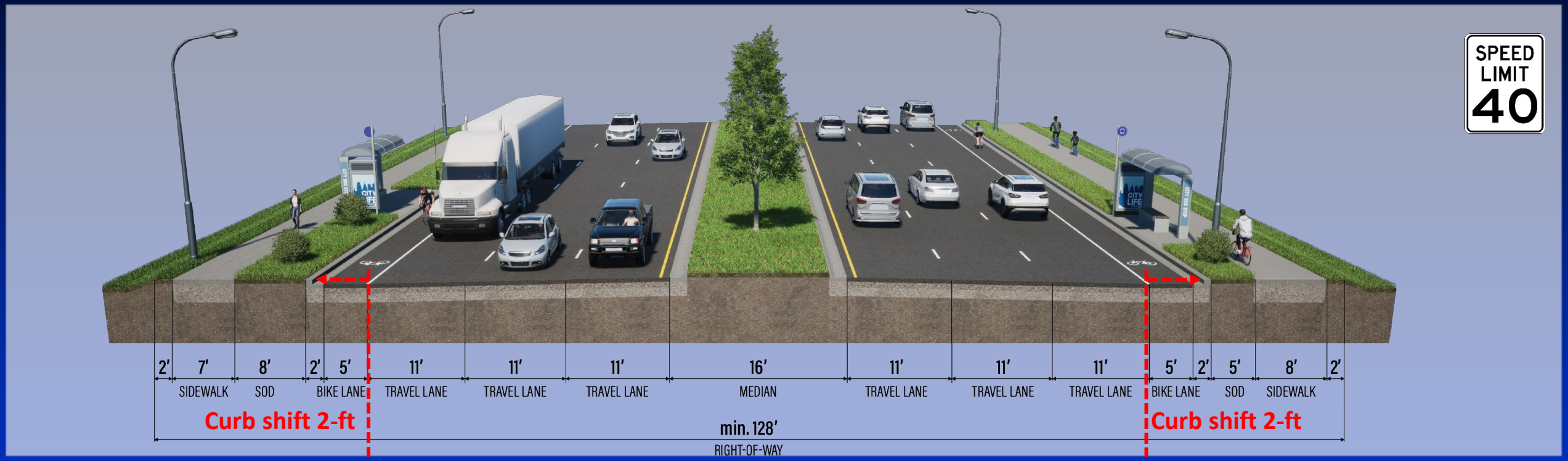
- Three 11-foot-wide travel lanes in each direction with 16-foot raised median
  - Provide 10-foot-wide sidewalk on the south side of the roadway
  - Maintain 7-foot-wide sidewalk on the north side of the roadway
  - Maintain existing median and curb and gutter

Typical Section Alternative 2



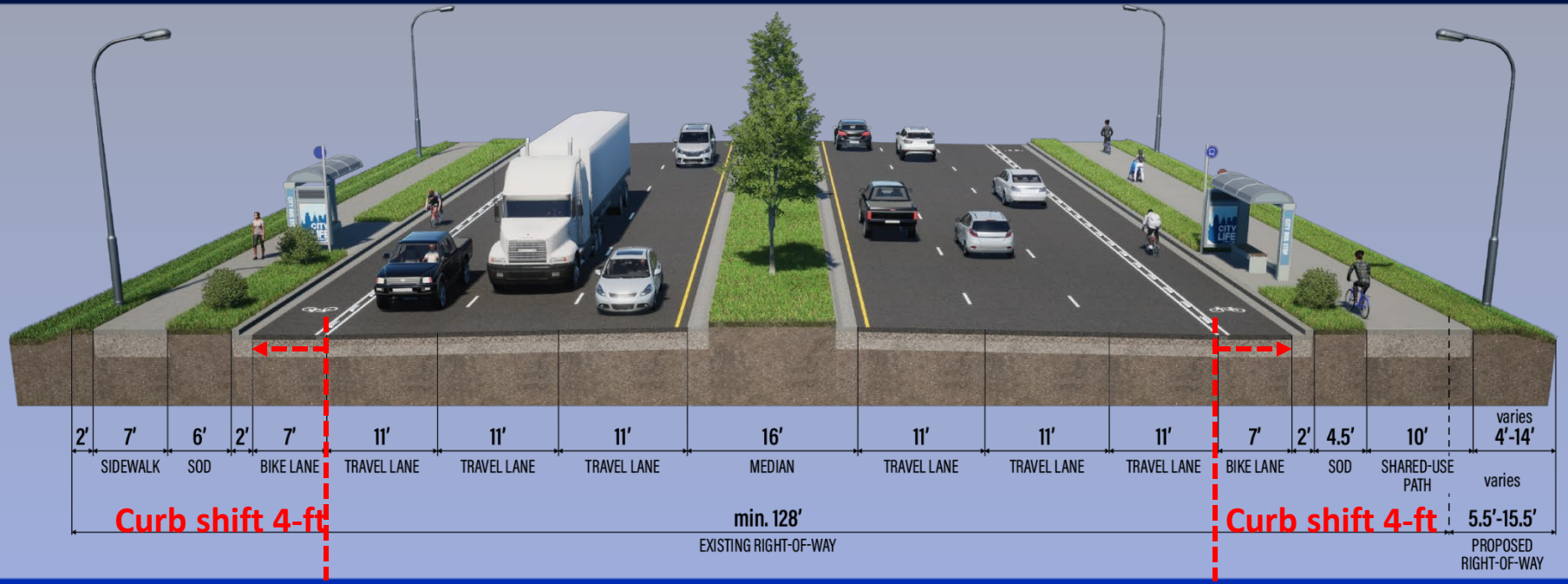
- Three 11-foot-wide travel lanes in each direction with 22-foot raised median
  - Provide 10-foot-wide sidewalk on the south side of the roadway
  - Maintain 7-foot-wide sidewalk on the north side of the roadway
  - Outside curb and gutter remain in existing location and median curb and gutter to be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

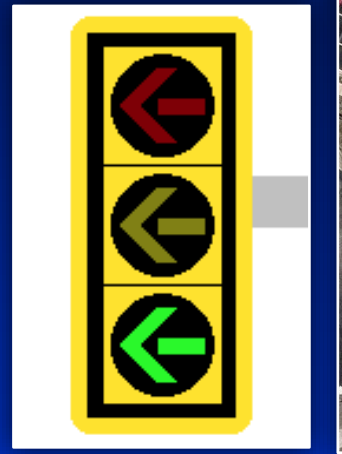
Multimodal LOS

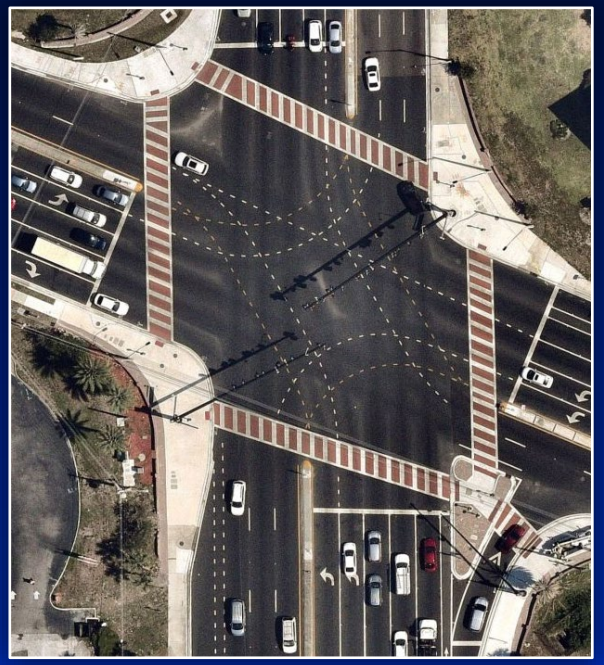
University Boulevard	Value
Number of Lanes	6 Lanes
Recommended Posted Speed	40 mph
AADT	52,000
Roadway Segment LOS (Auto)	LOS E (except WB from Driggs Drive to Semoran Boulevard - LOS F)
Pedestrian Level of Stress (LTS)	LTS 2 (Higher comfort level) 10 ft Sidewalk, Reduced Speed, and Vertical Separation
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)

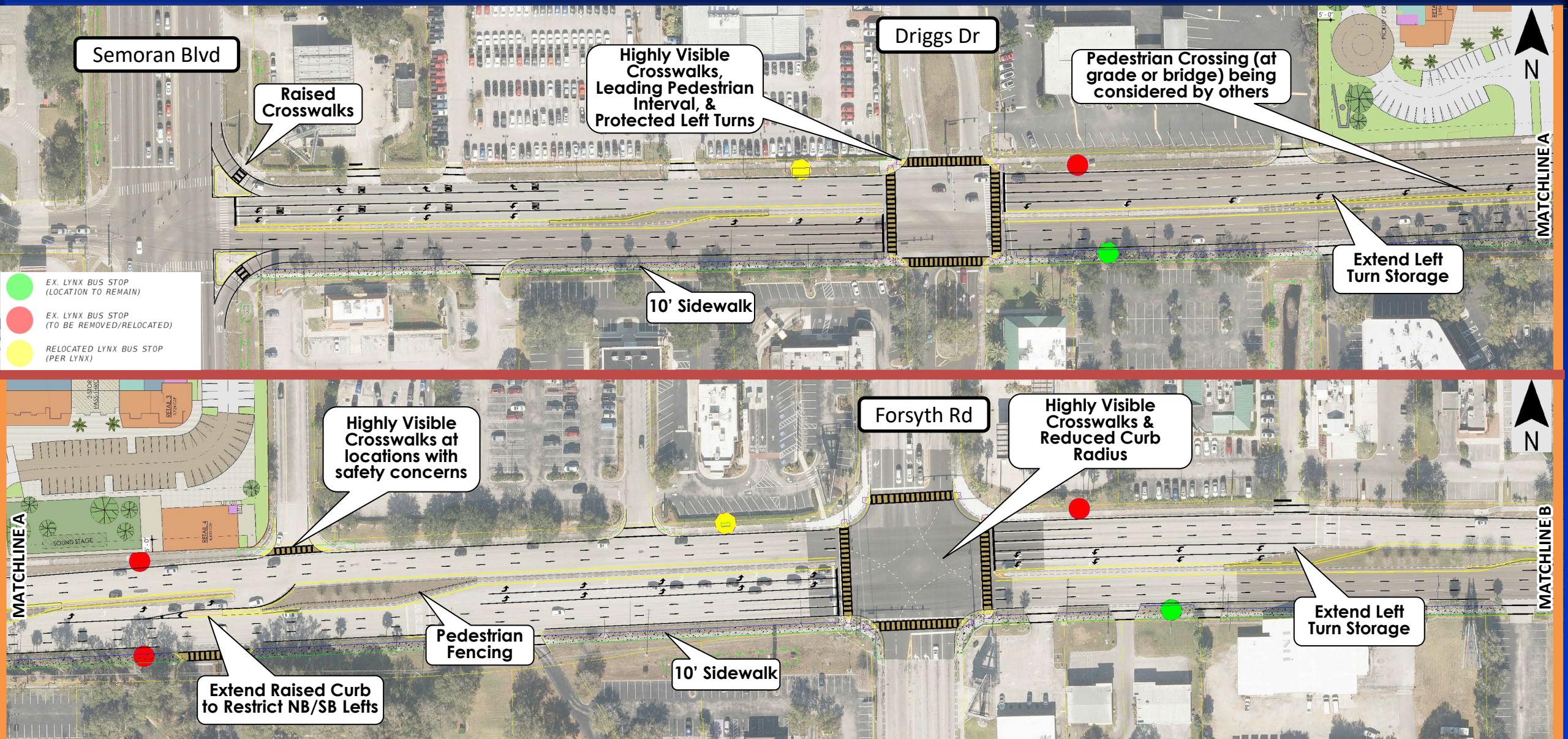
- PHBs remain dark until activated by someone waiting to cross the road
- They can help increase driver attention to pedestrians crossing the roadway and reduce rear-end collisions
- The red signal indication requires motorists to make a complete stop

Study Alternatives

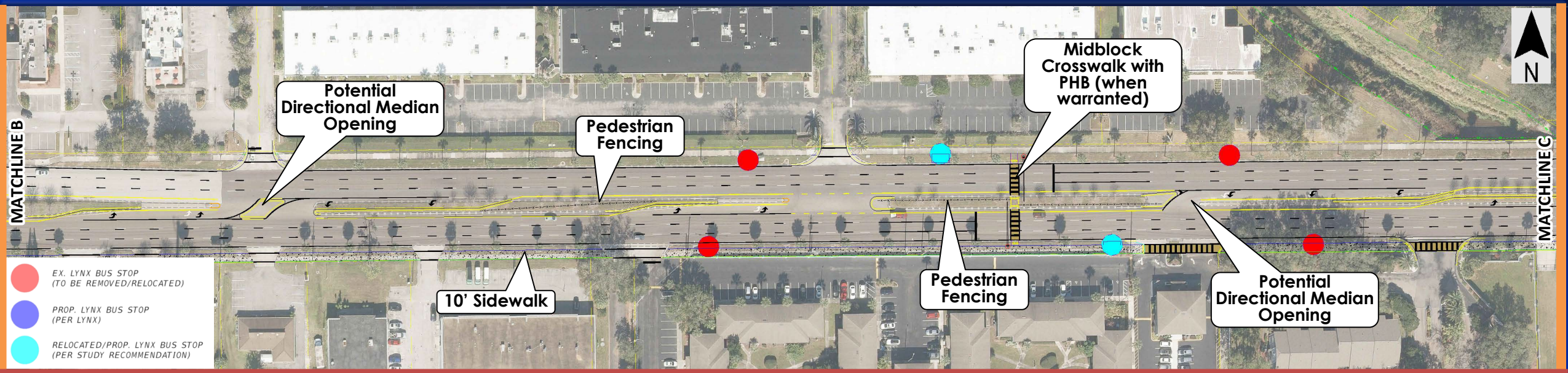
Additional Improvements

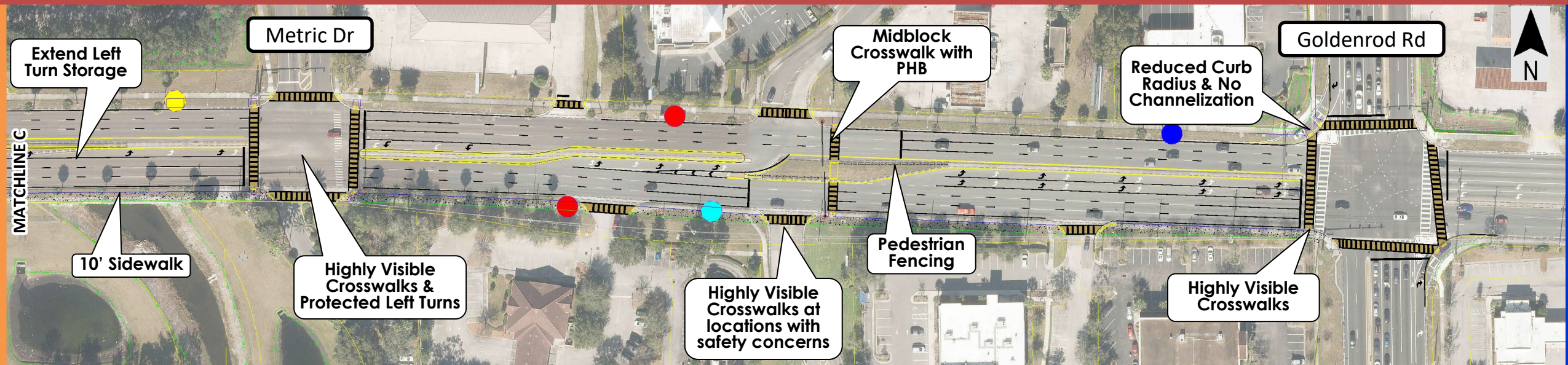
- Bus stop relocation and consolidation
- Access management improvements
- Intelligent Transportation System (ITS) features
- Speed management
- Lighting enhancements
- Landscaping

Study Alternative 1



Study Alternative 1



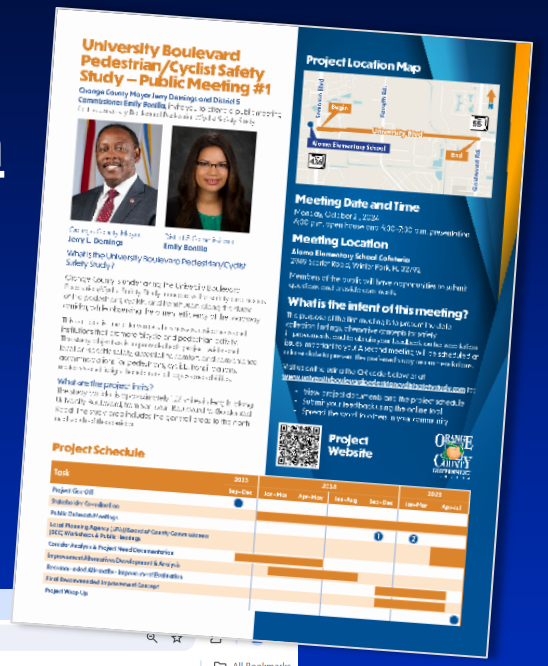


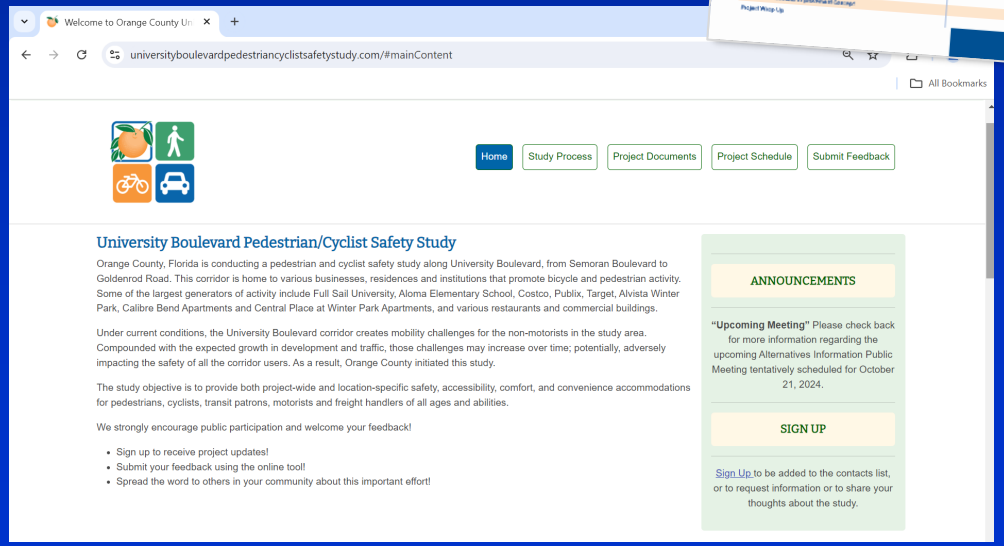
Presentation Outline

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

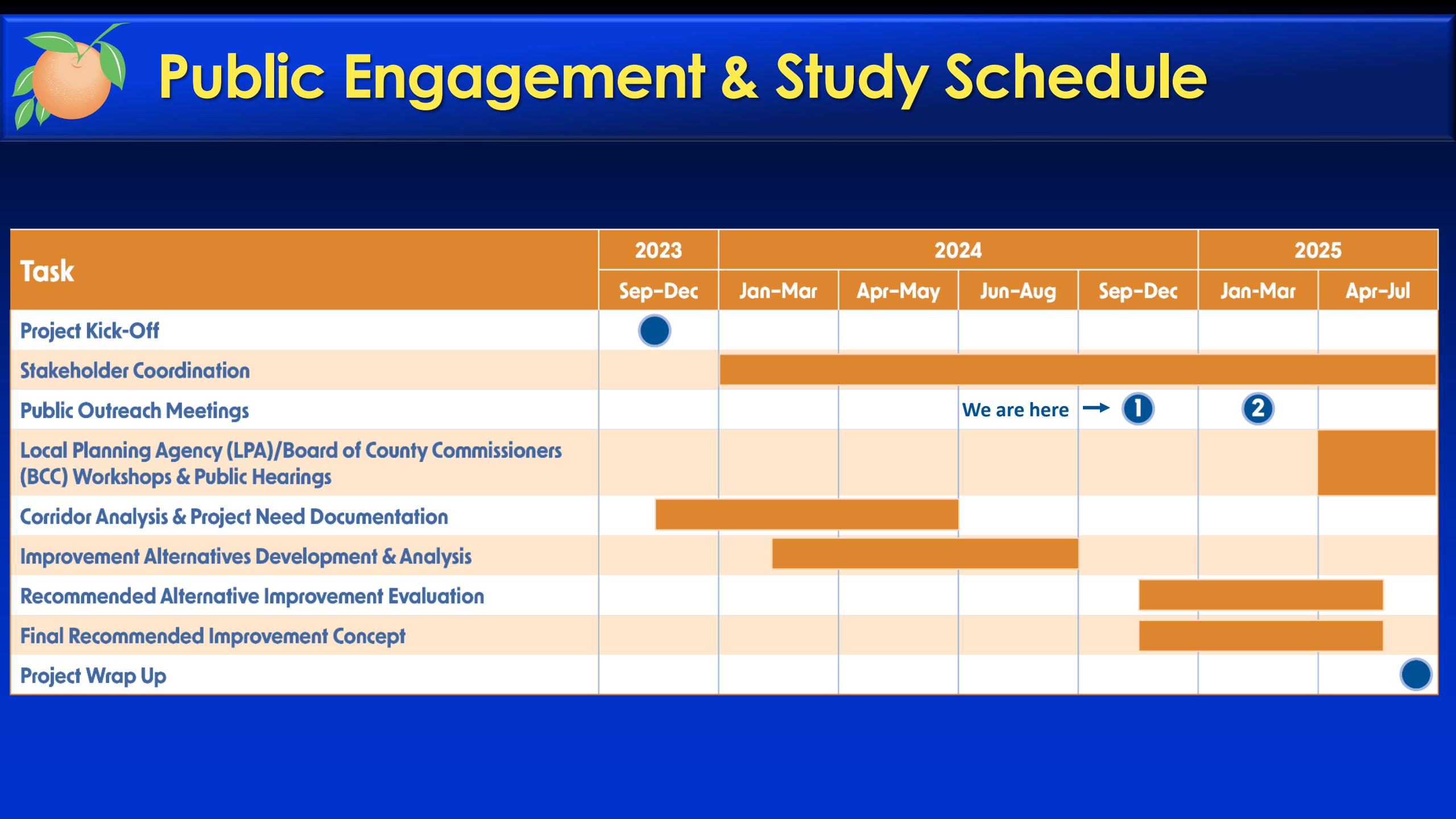
Public Engagement Opportunities

- Study Website
  https://universityboulevardpedestriancyclistsafetystudy.com
- Community Meetings
- Newsletters
- Call/Email
- Attend LPA & BCC Hearings





Public Engagement & Study Schedule



Presentation Outline

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

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

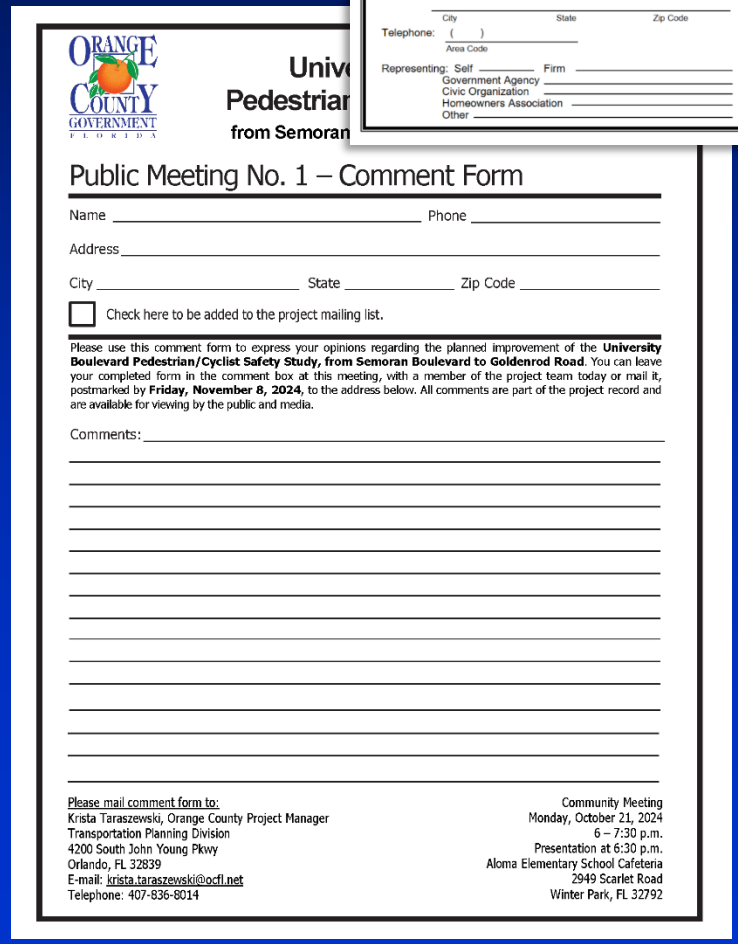
Please submit comments by November 8, 2024

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



ORANGE COUNTY GOVERNMENT FLORIDA

Univ
Pedestrian
from Semoran

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

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

Public Comment

QUESTIONS AND ANSWERS