



Williamsburg Areawide Study

Community Meeting # 3
May 31, 2023



Agenda



- ▶ **Introductions**
- ▶ **Study Area & Objectives**
- ▶ **Summary of Findings of Stage 1**
- ▶ **Status of Traffic Signal at Gateway & Orangewood**
- ▶ **NW Quadrant Recommendations**
- ▶ **NE Quadrant Recommendations**
- ▶ **South Quadrant Recommendations**
- ▶ **Study Timeline**



Welcome and Opening Remarks



District 1 Commissioner
Nicole H. Wilson



Introductions

Orange County

Krista Taraszewski – Transportation Planning Division, Project Manager

TMC, Project Consultant

Ayman Saidi, PE – Consultant Project Manager

Mohammed Abdallah, PE, PTOE, Principal in Charge

Other Orange County Staff and Consultant Staff



Study Approach



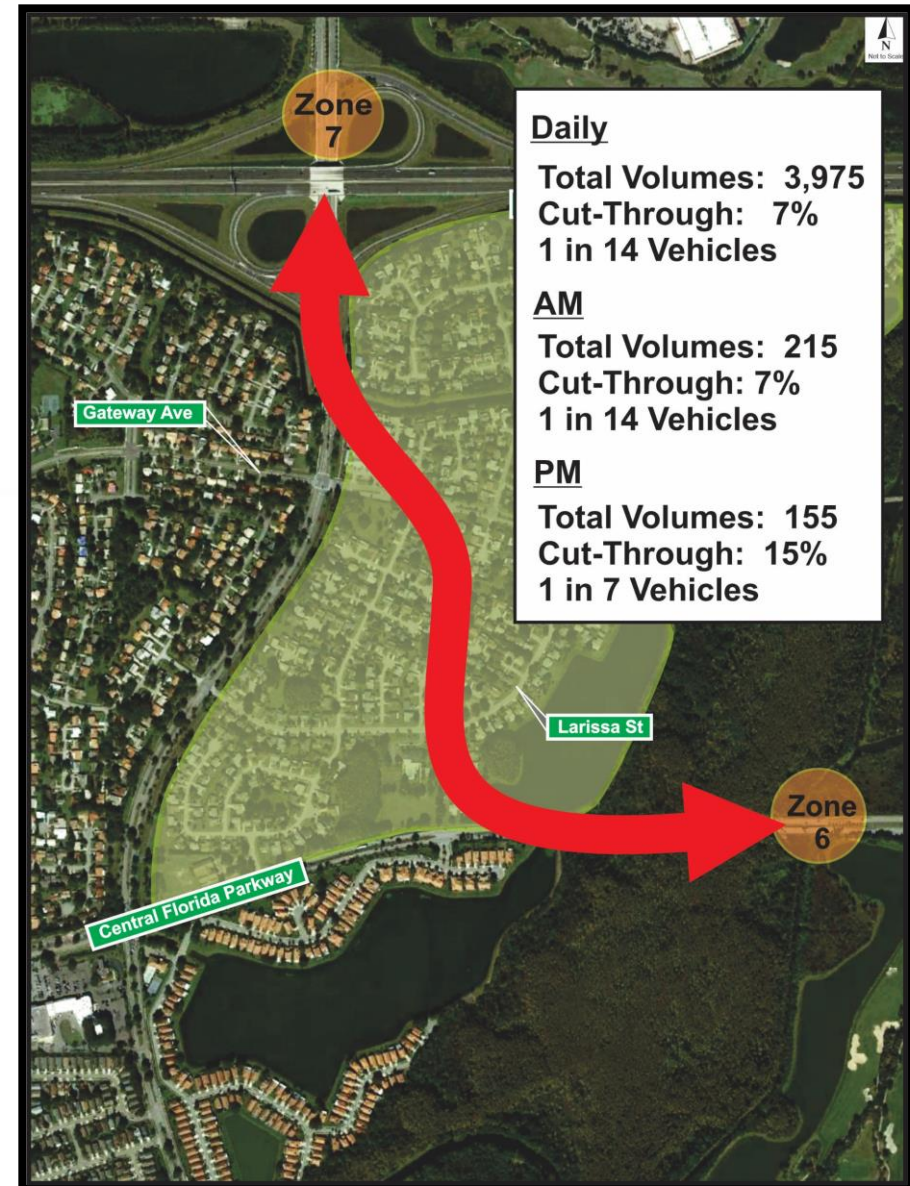
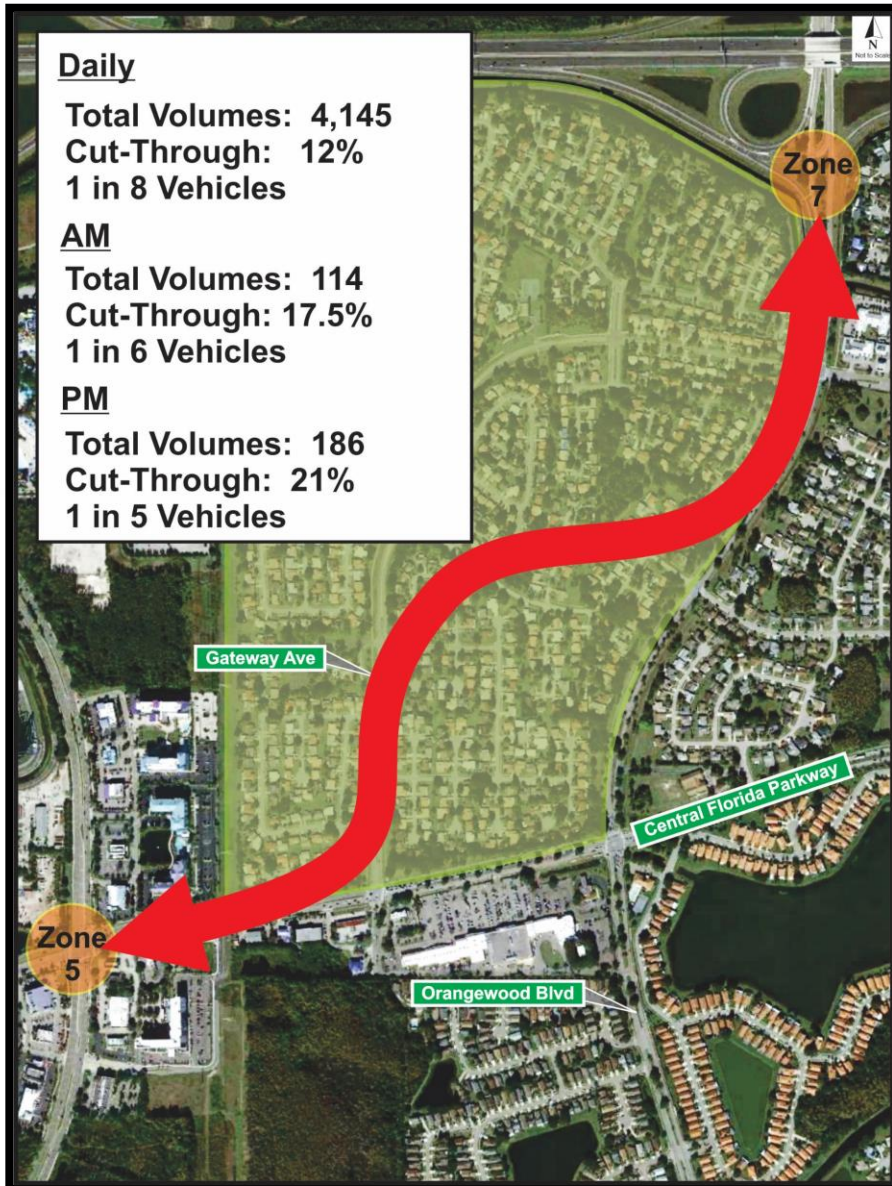


Williamsburg Areawide Study

Review of Findings



Cut-Through Traffic Patterns





Safety & Speed Study Results



Recent 5 Years (2017 to 2021)

297 Total Crashes

2 Fatal Crashes

12 Severe Injury Crashes

Northwest Quadrant (Gateway Ave)

- Posted speed limit: **30 mph**
- Average speed: 34 mph
- 85% percentile speed: 42 mph (**37% > posted limit**)
- 4% of vehicles exceed speed limit by 20 mph or more

South Quadrant (Orangewood Blvd)

- Posted speed limit: **40 mph**
- Average speed: 41 mph
- 85% percentile speed: 47 mph (**17.5% > posted limit**)
- 1% of vehicles exceed speed limit by 20 mph or more



Traffic Operations Results



Central Florida Parkway & Orangewood Boulevard

- Delays in westbound left turn lane
- Delays in northbound left turn lane
- Queuing in southbound right turn lane
- ADA compliance issues



Central Florida Parkway & Gateway Avenue

- Delays in westbound left turn lane
- ADA compliance issues



Drainage Maintenance Gateway Avenue & Wildflower Road

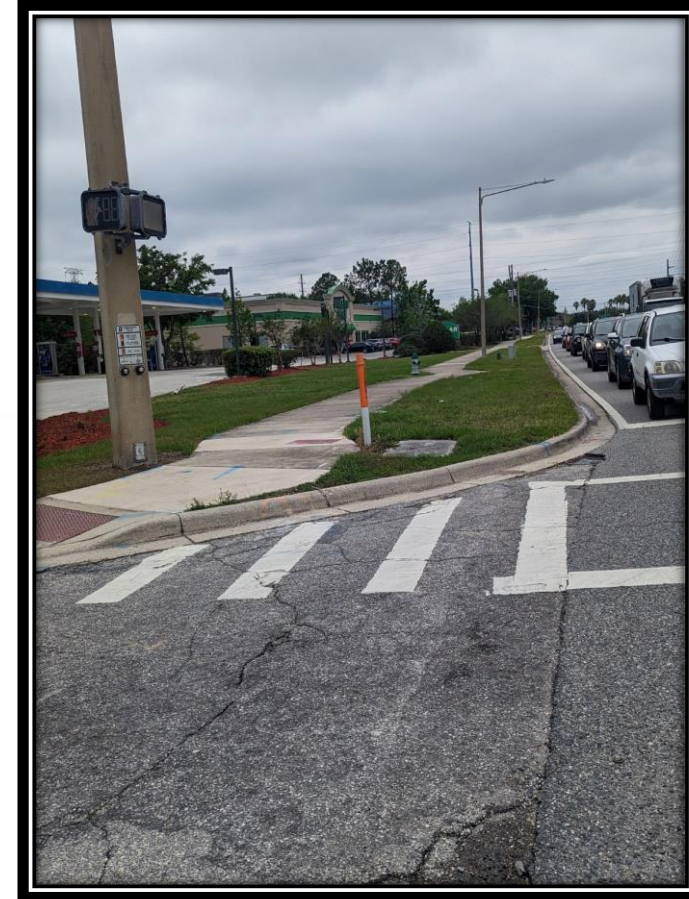




Pedestrian / ADA Compliance Gateway Avenue & Central Florida Parkway



Sidewalk drop-off along sidewalk

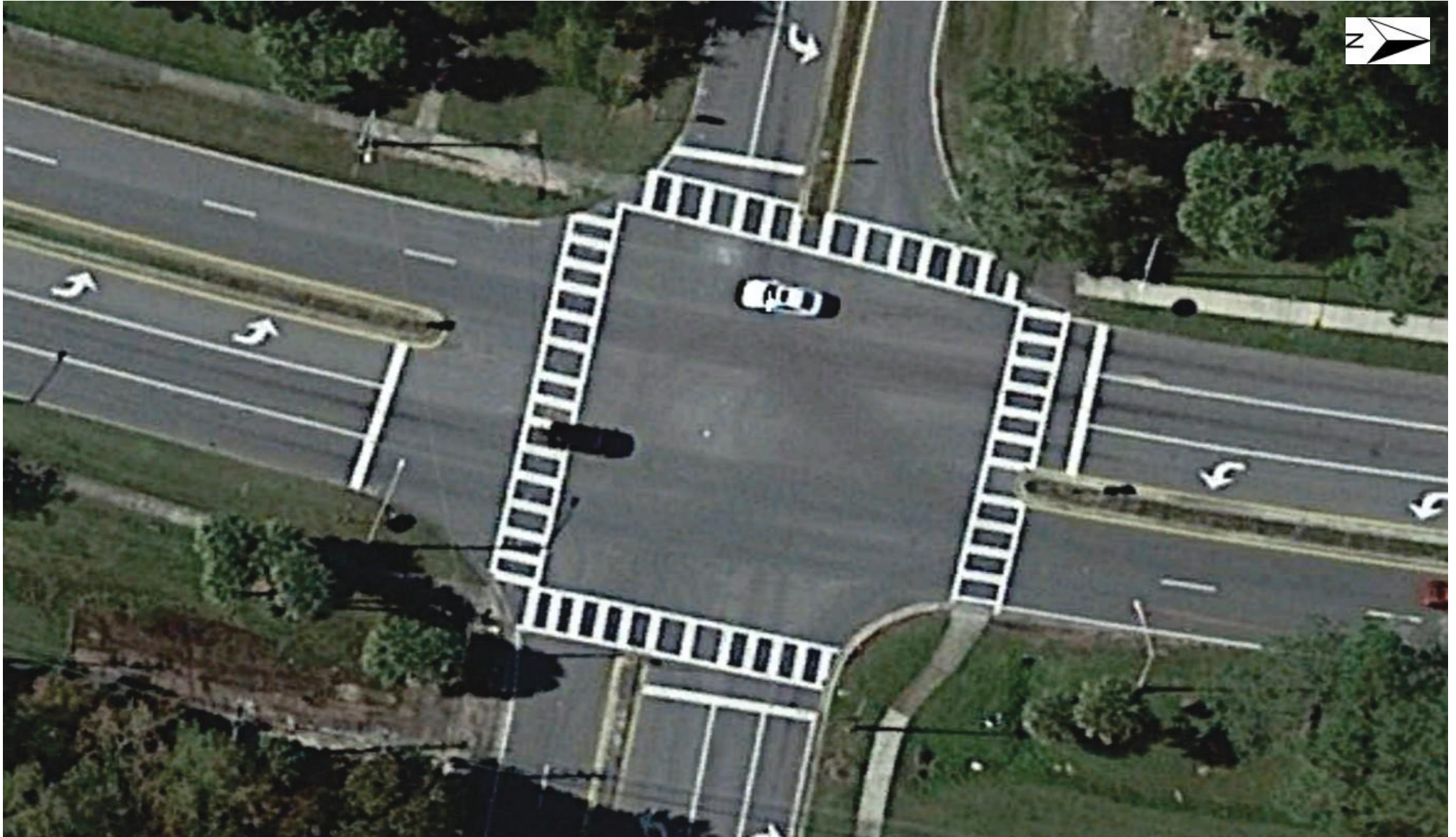


Hole filled and turf replaced



Status of Traffic Signal Gateway Avenue & Orangewood Boulevard

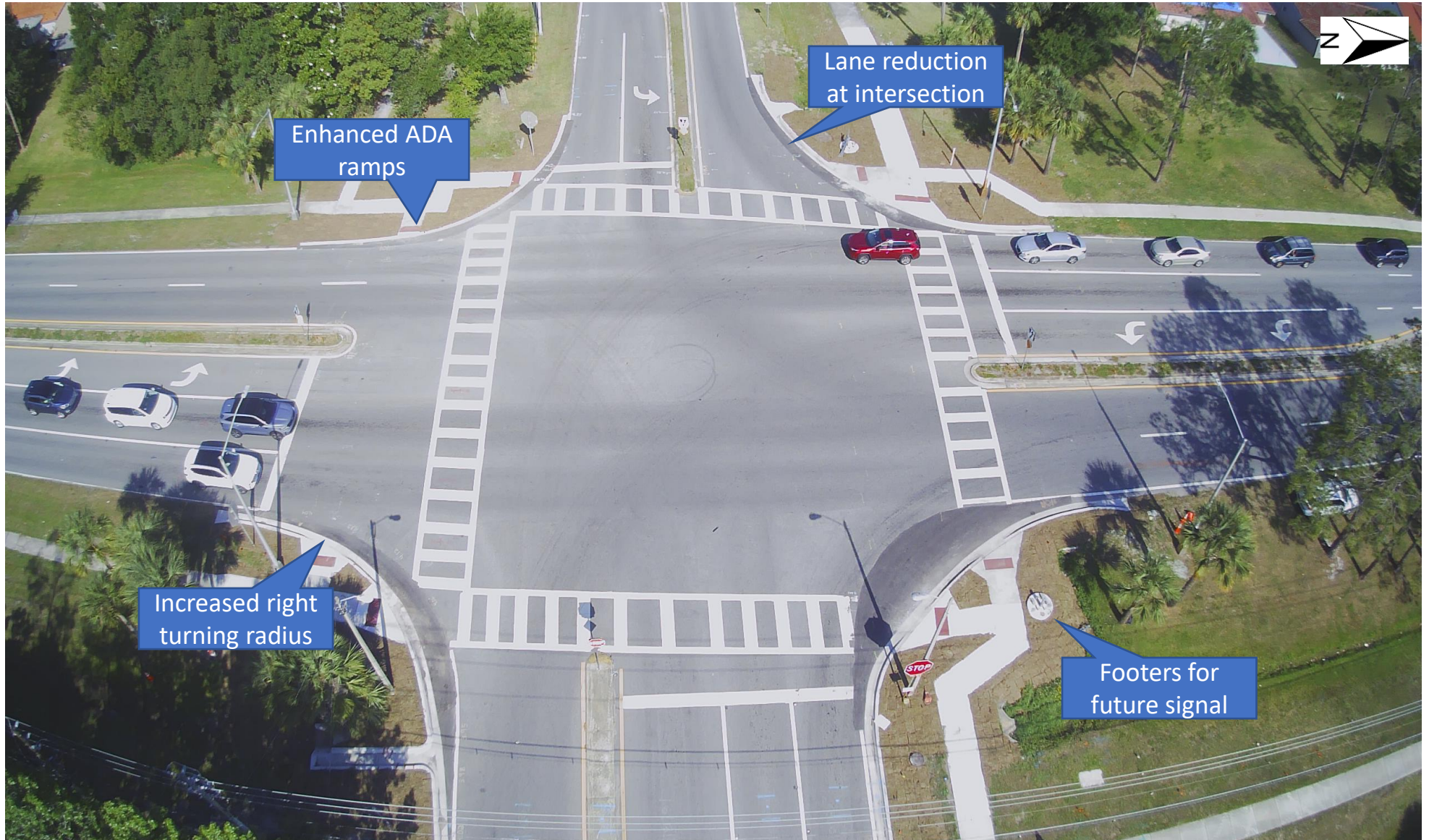
Before
Intersection
Improvements





Status of Traffic Signal Gateway Avenue & Orangewood Boulevard

After Intersection Improvements





Williamsburg Areawide Study

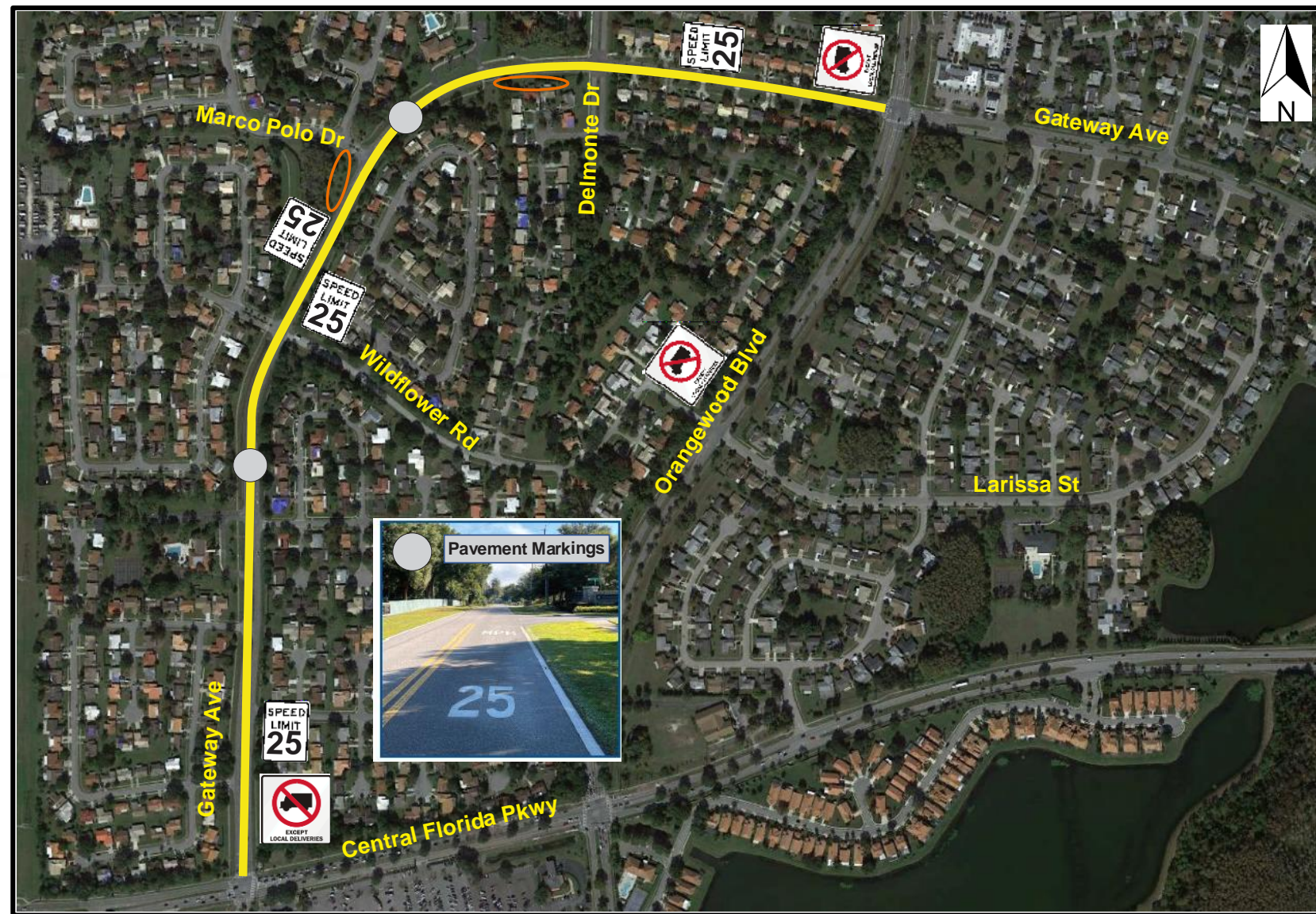
Preliminary Recommendations



NW Quadrant: Gateway Avenue, Central Florida Pkwy to Orangewood Blvd - Short-Term Recommendations for Implementation

4-6 months after adoption

- Lower speed limit to 25 mph
- Install speed limit signage "25 MPH"
- Install in-lane pavement markings
 - Posted Speed Limit
- Install "NO THROUGH TRUCKS – LOCAL DELIVERY ONLY" sign
- Trim trees for sight distance clearance

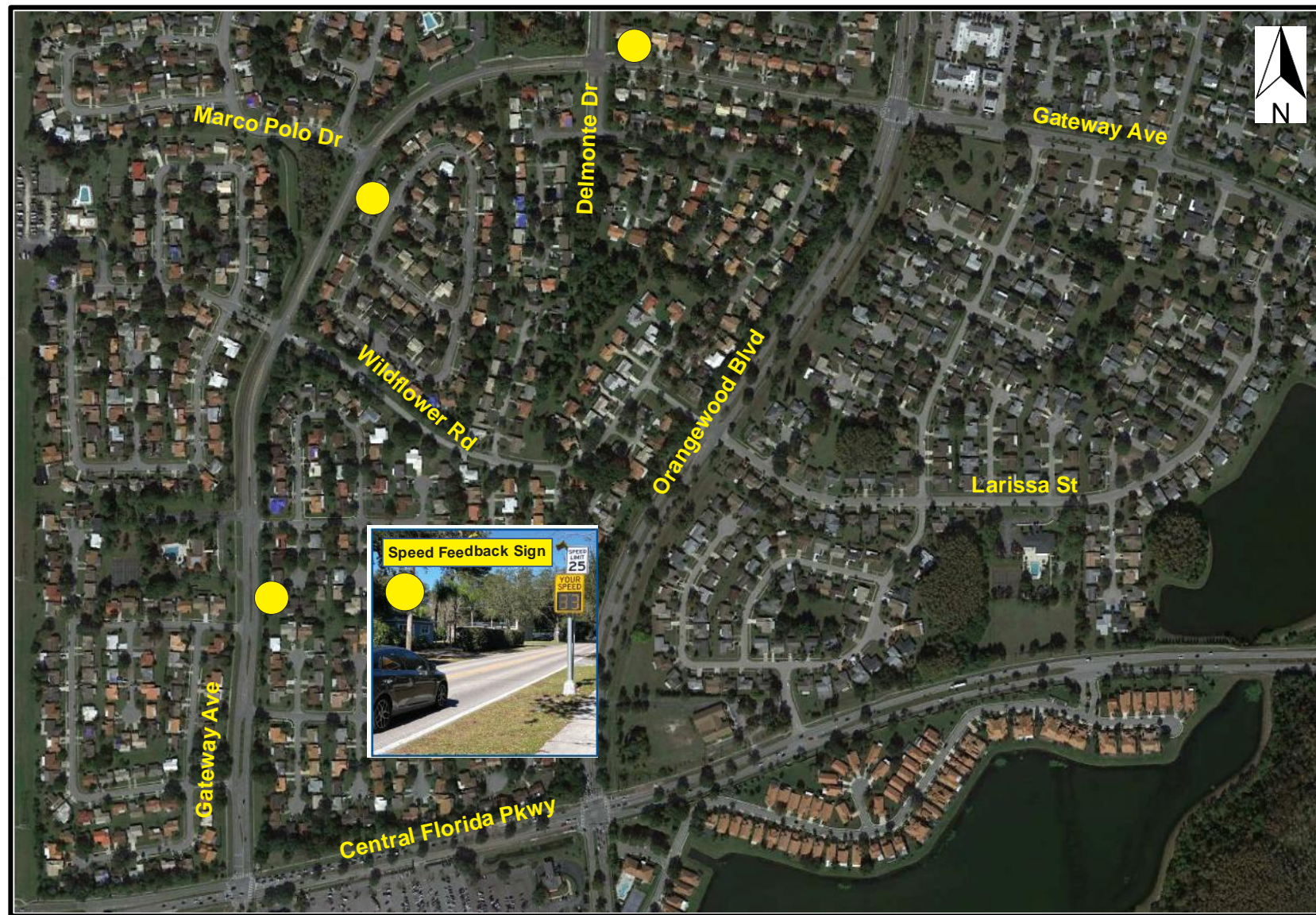




NW Quadrant: Gateway Avenue, Central Florida Pkwy to Orangewood Blvd - Mid-Term Recommendations for Implementation

1-2 years after adoption

- Install speed advisory signs





NW Quadrant: Gateway Avenue, Central Florida Pkwy to Orangewood Blvd - Long-Term Recommendations for Implementation

4-5 years after adoption

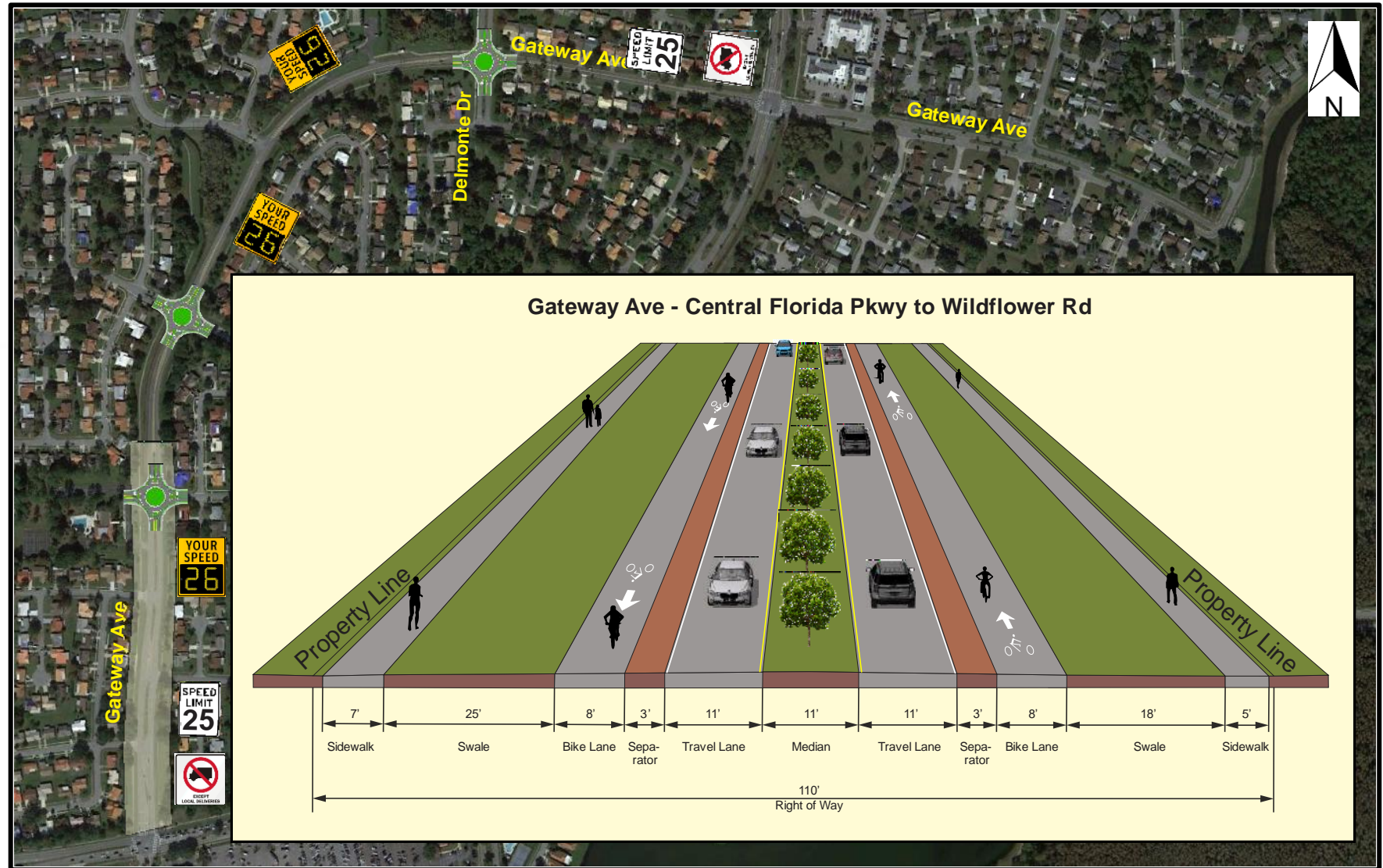
- Install mini-roundabout
 - Wake Field Dr
 - Wildflower Rd
 - Delmonte Dr
- Convert outside lanes to protected bike lanes
- Install bike lanes north of Wildflower Rd
- Install landscape in median





NW Quadrant: Gateway Avenue, Central Florida Pkwy to Orangethwood Blvd - Full Recommendations for Implementation

- 25 mph speed limit
- Speed advisory signs
- No through truck signs
- Mini-roundabouts
- Protected bike lane
- Install landscape in median





NW Quadrant: Gateway Avenue, Central Florida Pkwy to Orangethwood Blvd - Full Recommendations for Implementation

- 25 mph speed limit
- Speed advisory signs
- No through truck signs
- Mini-roundabouts
- Bike lanes

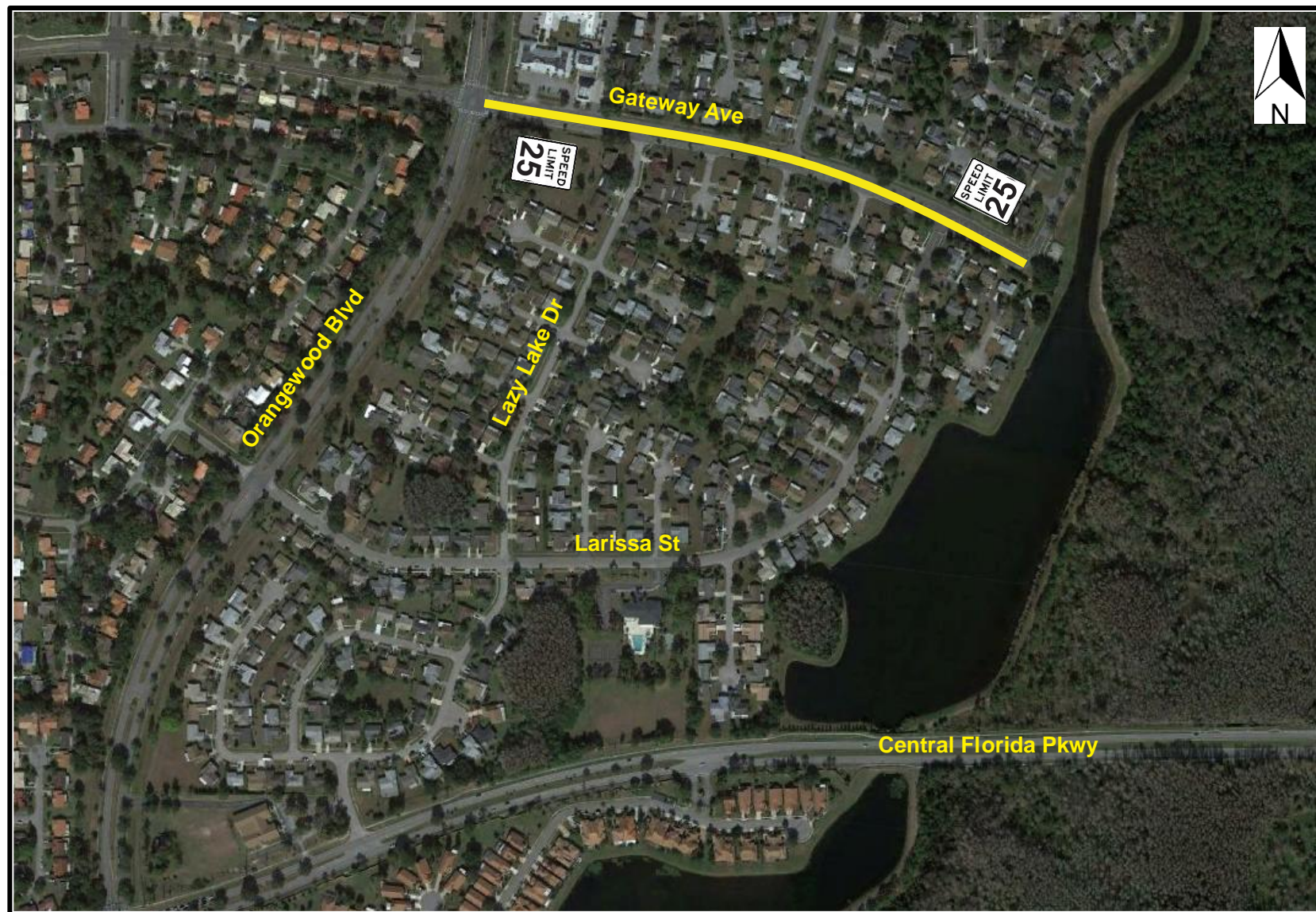




NE Quadrant: Gateway Avenue, Orangewood Blvd to Gifford Boulevard - Short-Term Recommendations for Implementation

4-6 months after adoption

- Lower speed limit to 25 mph
- Install speed limit signage "25 MPH"

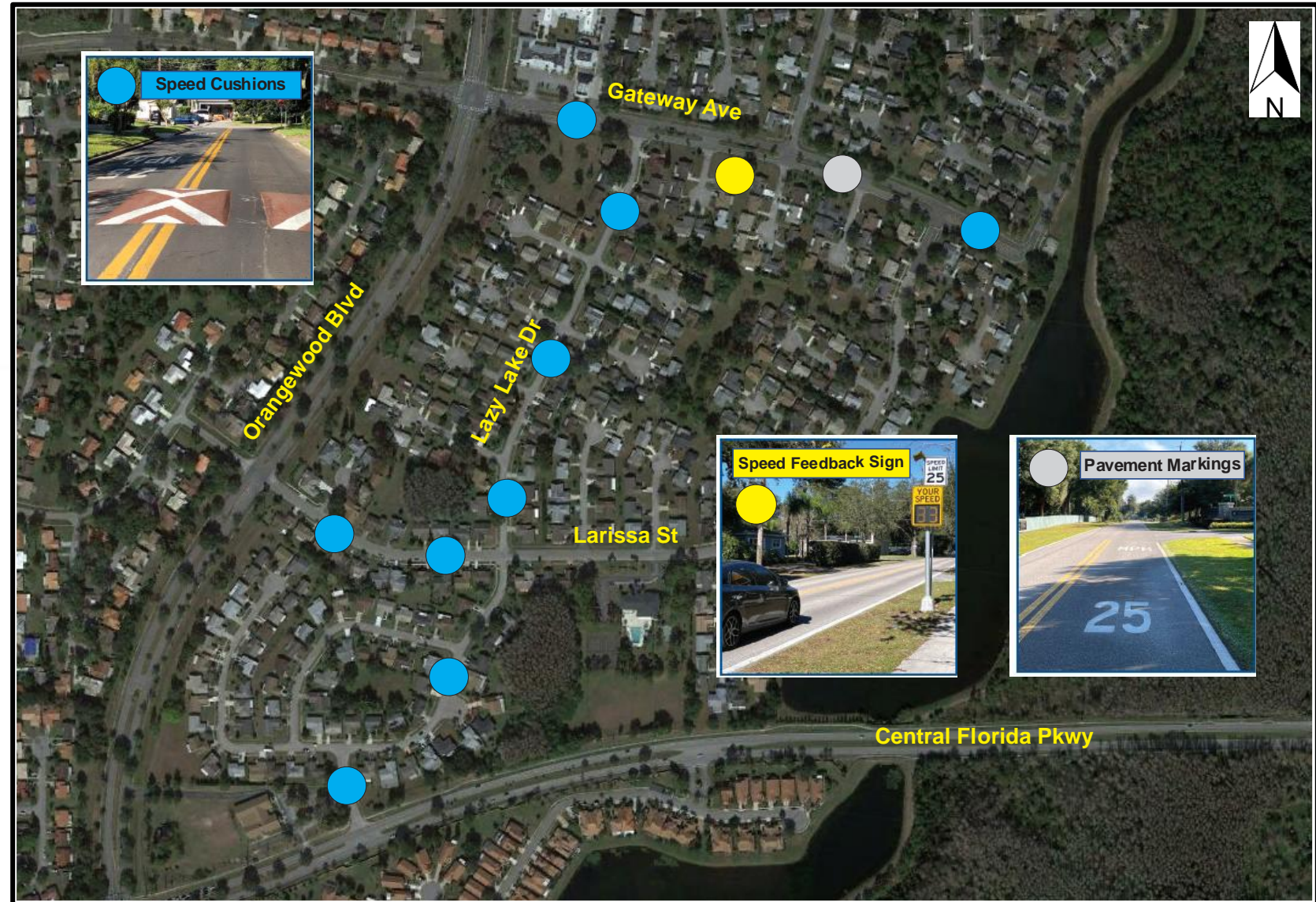




NE Quadrant: Gateway Avenue, Orangewood Blvd to Gifford Boulevard - Mid-Term Recommendations for Implementation

1-2 years after adoption

- Install speed advisory Signs
- Install speed cushions
- Install traffic calming pavement marking
 - In-lane speed limit
 - Speed cushion markings





NE Quadrant: Gateway Avenue, Orangewood Blvd to Gifford Boulevard - Long-Term Recommendations for Implementation

4-5 years after adoption

- Convert outside lane to protected bike lane
- Install sidewalk on south side





NE Quadrant: Gateway Avenue, Central Florida Pkwy to Orangewood Blvd - Full Recommendations for Implementation

- 25 mph speed limit
- Speed advisory signs
- Speed cushions
- In-lane speed limit
- Sidewalk



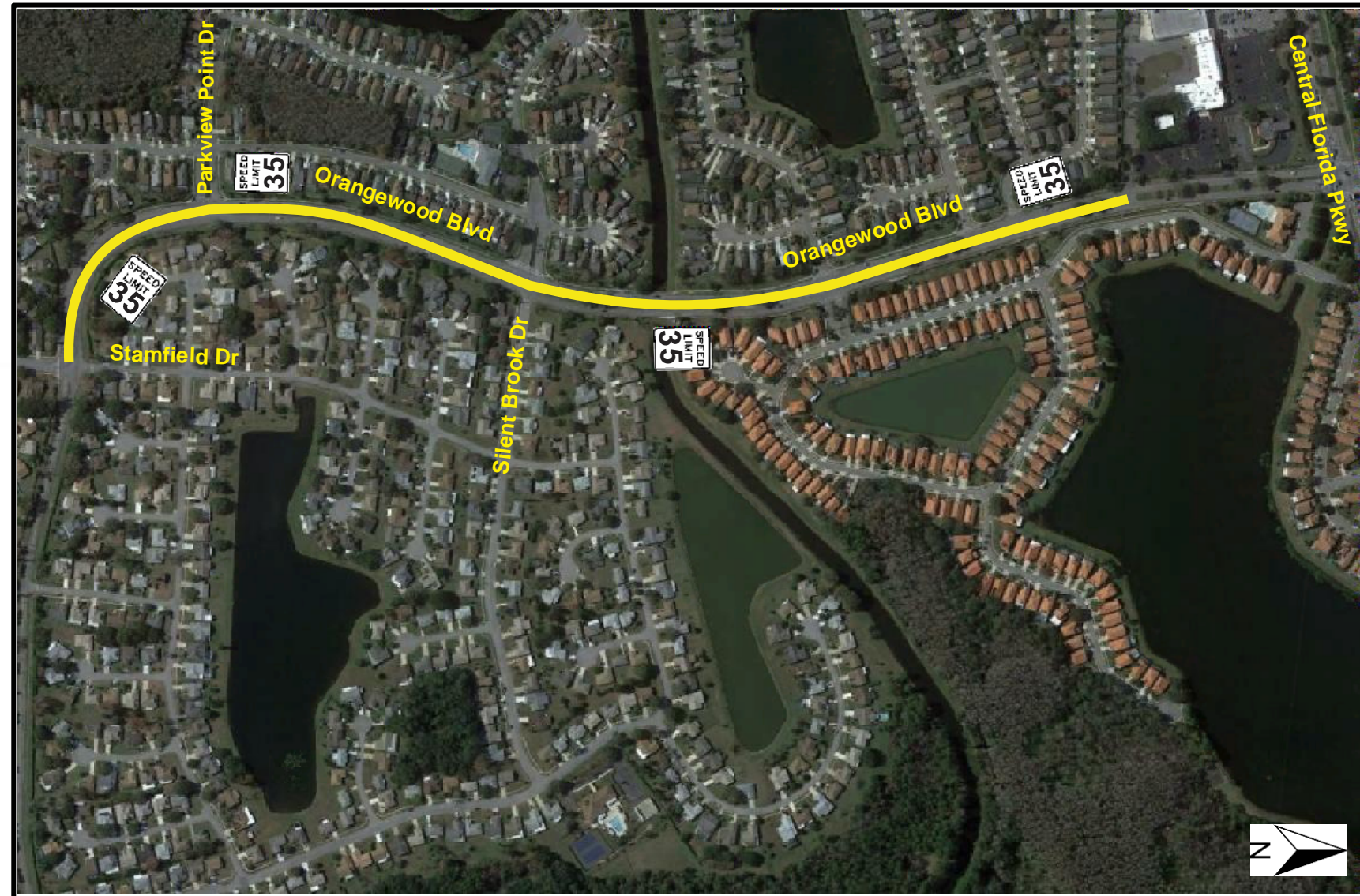


South Quadrant: Orangewood Blvd, S. of Central Florida Pkwy

Short-Term Recommendations for Implementation

4-6 months after adoption

- Lower speed limit to 35 mph
- Install speed limit signage "35 MPH"





South Quadrant: Orangewood Blvd, S. of Central Florida Pkwy

Mid-Term Recommendations for Implementation

1-2 years after adoption

- Install Speed Advisory Signs
- Install speed cushions
- Install pavement markings
 - In-lane speed limit
 - Speed cushion markings





South Quadrant: Orangewood Blvd, S. of Central Florida Pkwy Long-Term Recommendations for Implementation

4-5 years after adoption

- Install mini-roundabout
 - Silent Brook Dr
 - Stamfield Dr
- Convert outside lane to protected bike lane
- Install pavement markings into commercial development

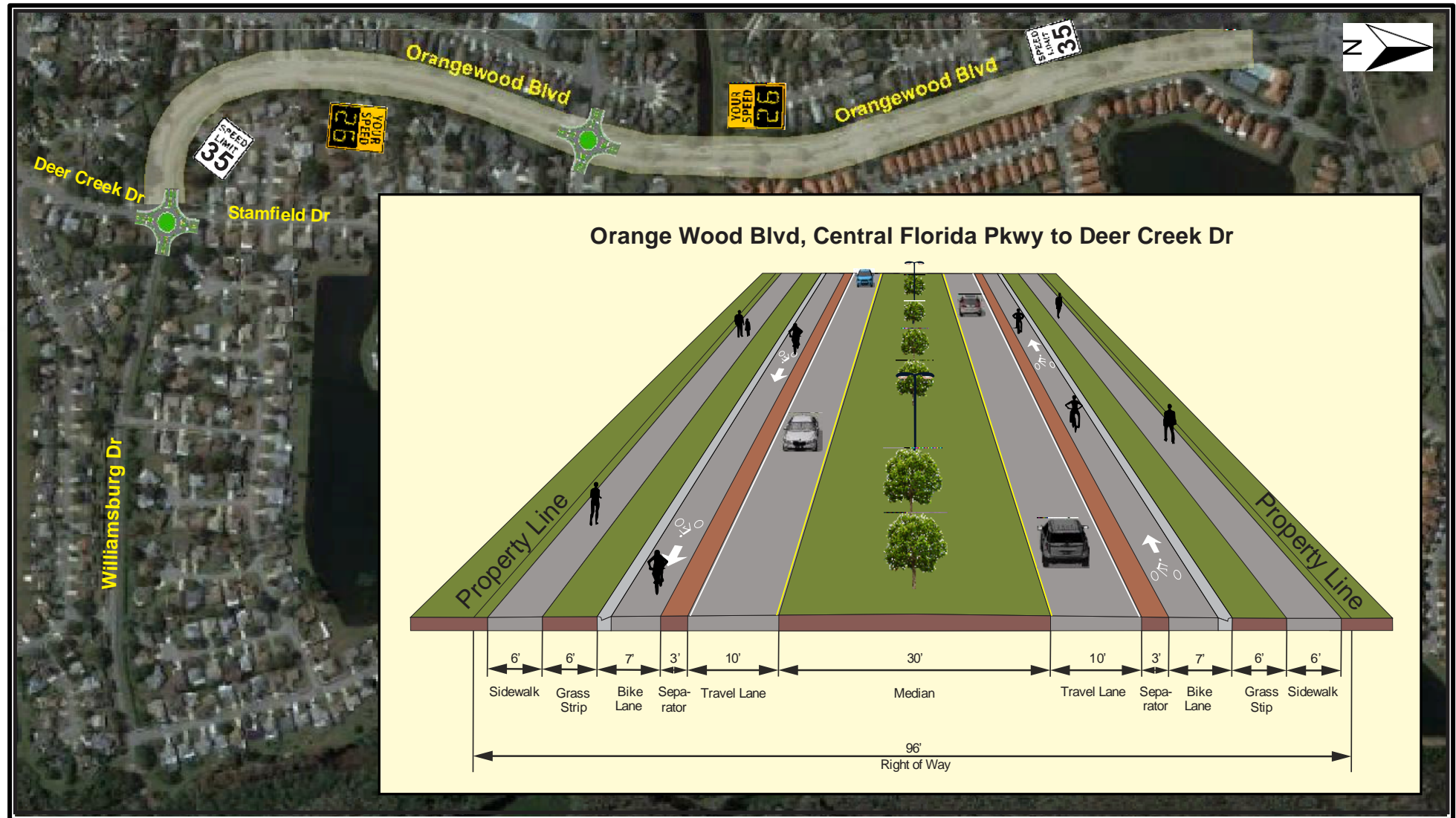




South Quadrant: Orangewood Blvd, S. of Central Florida Pkwy

Full Recommendations for Implementation

- 25 mph speed limit
- Speed advisory signs
- Speed cushions
- Mini-roundabouts
- Protected bike lane
- Enhanced pavement markings



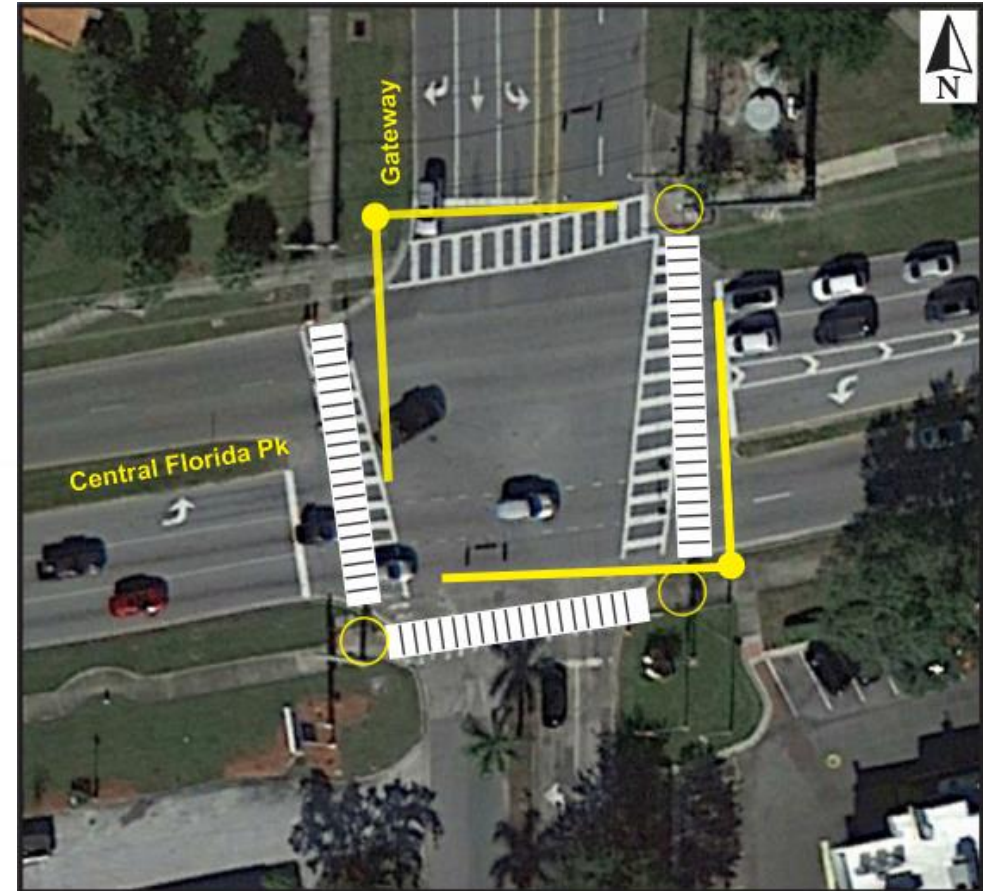


Intersection Improvements Gateway Ave & Central Florida Pkwy



1-2 years after adoption

- Upgrade pedestrian ramps
- Resurface intersection and replace markings



4-5 years after adoption

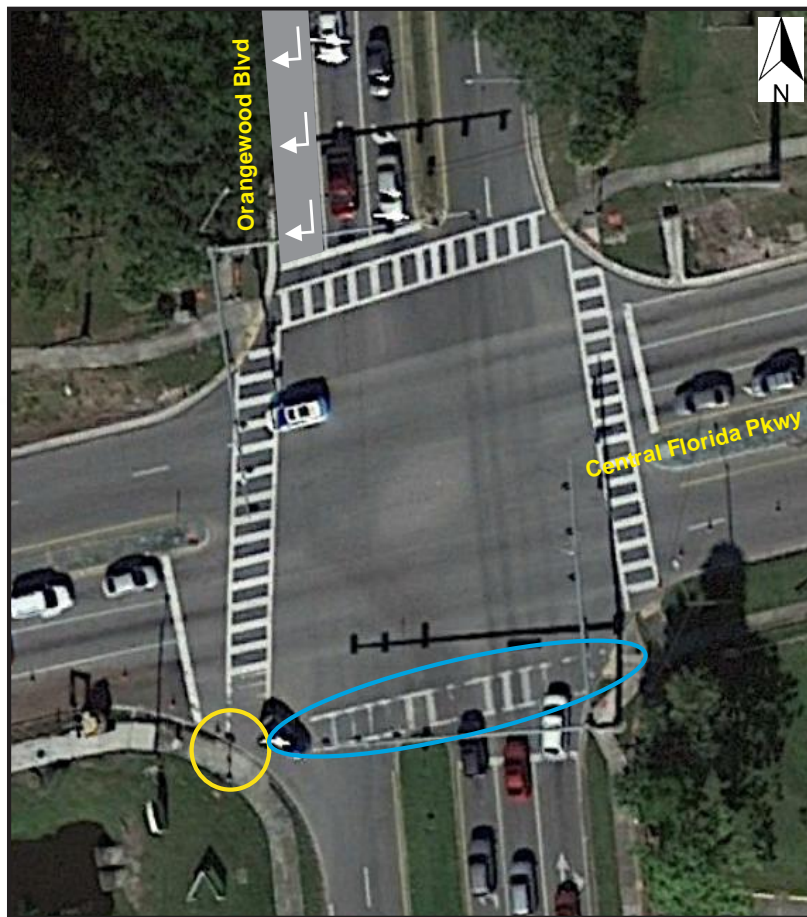
- Install mast arms



Intersection Improvements Orangewood Blvd & Central Florida Pkwy

1-2 years after adoption

- Upgrade pedestrian ramps
- Refresh pedestrian pavement markings
- Resurface southbound approach
- Convert right lane to “right only”
- Revise signal timing





Study Timeline

- Community Meeting – May 31, 2023
- Finalize study report – July 2023
- Accept report & submit to divisions – August 2023
- Complete Short-Term tasks – February 2024
- Complete Mid-Term tasks – August 2025
- Complete Long-Term tasks – August 2028



Williamsburg Areawide Study – Contact Information



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Williamsburg Areawide Study – Website/Feedback



<https://www.ocfl.net/traffictransportation/transportationprojects/williamsburg.aspx>

The screenshot shows the Orange County Government website. At the top, there is a navigation bar with links for Site Map, A To Z Index, Español, Payment Center, OC Anywhere, and social media icons. Below this is a search bar and a 'Browse Services' button. A horizontal menu contains links for RESIDENTS, VISITORS, BUSINESSES, EMPLOYEES, and ABOUT US. The breadcrumb trail indicates the user is in 'Transportation Projects' > 'Williamsburg'. On the left, a 'LINKS' section points to 'Transportation Projects' and 'Location Map'. The main content area features a header image of a rolled-up map with the title 'Williamsburg Areawide Study'. Below the header, the 'DESCRIPTION' section states that Orange County has initiated an areawide traffic operational study in the Williamsburg area, bounded by South Florida Water Management District to the south, Beachline Expressway (S.R. 528) to the north, Wingate Village Club Utility Easement to the west, and Shingle Creek to the east. The study will include a list of activities: Existing conditions analysis (with sub-points for vehicular turning movement counts and speed data, crash data collection, and origin/destination travel pattern identification), crash analysis and mapping, cut through traffic analysis, speed study, public involvement, and coordination meetings.

ORANGE COUNTY GOVERNMENT FLORIDA

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You are here: [Transportation Projects](#) | [Williamsburg](#)

LINKS:

- [Transportation Projects](#)
- [Location Map](#)

Williamsburg Areawide Study

DESCRIPTION

Orange County has initiated an areawide traffic operational study in the Williamsburg area. The study area is bounded by South Florida Water Management District to the south, the Beachline Expressway (S.R. 528) to the north, the Wingate Village Club Utility Easement to the west, and Shingle Creek to the east. The study will include:

- Existing conditions analysis
 - Vehicular turning movement counts and speed data
 - Collecting crash data
 - Identifying origin/destination travel pattern
- Crash analysis and crash mapping
- Cut through traffic analysis
- Speed study
- [Public Involvement](#)
- Coordination Meetings

Visit the project web page



Questions & Discussion

