

**WILLIAMSBURG AREA**

Orange County Contract № Y20-901B  
Project № 20119.01, v1.3  
December 2023

**TRANSPORTATION STUDY - FINAL  
ORANGE COUNTY  
FLORIDA**

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I hereby certify that I am a Professional Engineer properly registered in the State of Florida practicing with Traffic & Mobility Consultants LLC, a corporation authorized to operate as an engineering business, CA-30024, by the State of Florida Department of Professional Regulation, Board of Professional Engineers, and that I have prepared or approved the evaluations, findings, opinions, conclusions, or technical advice attached hereto for:

**PROJECT:** Williamsburg Area Transportation Study

**LOCATION:** Orange County, Florida

**CLIENT:** Orange County Board of County Commissioners

I hereby acknowledge that the procedures and references used to develop the results contained in these computations are standard to the professional practice of Transportation Engineering as applied through professional judgment and experience.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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## 1.0 INTRODUCTION

Orange County Transportation Planning (County) has requested Traffic & Mobility Consultants LLC (TMC), under the current Transportation Planning Continuing Services Contract, to perform an Area Transportation Study for the Williamsburg residential neighborhood. The purpose of this document is to outline the results of the Williamsburg Area Transportation Study and present the recommendations to Orange County.

### 1.1 Project Purpose

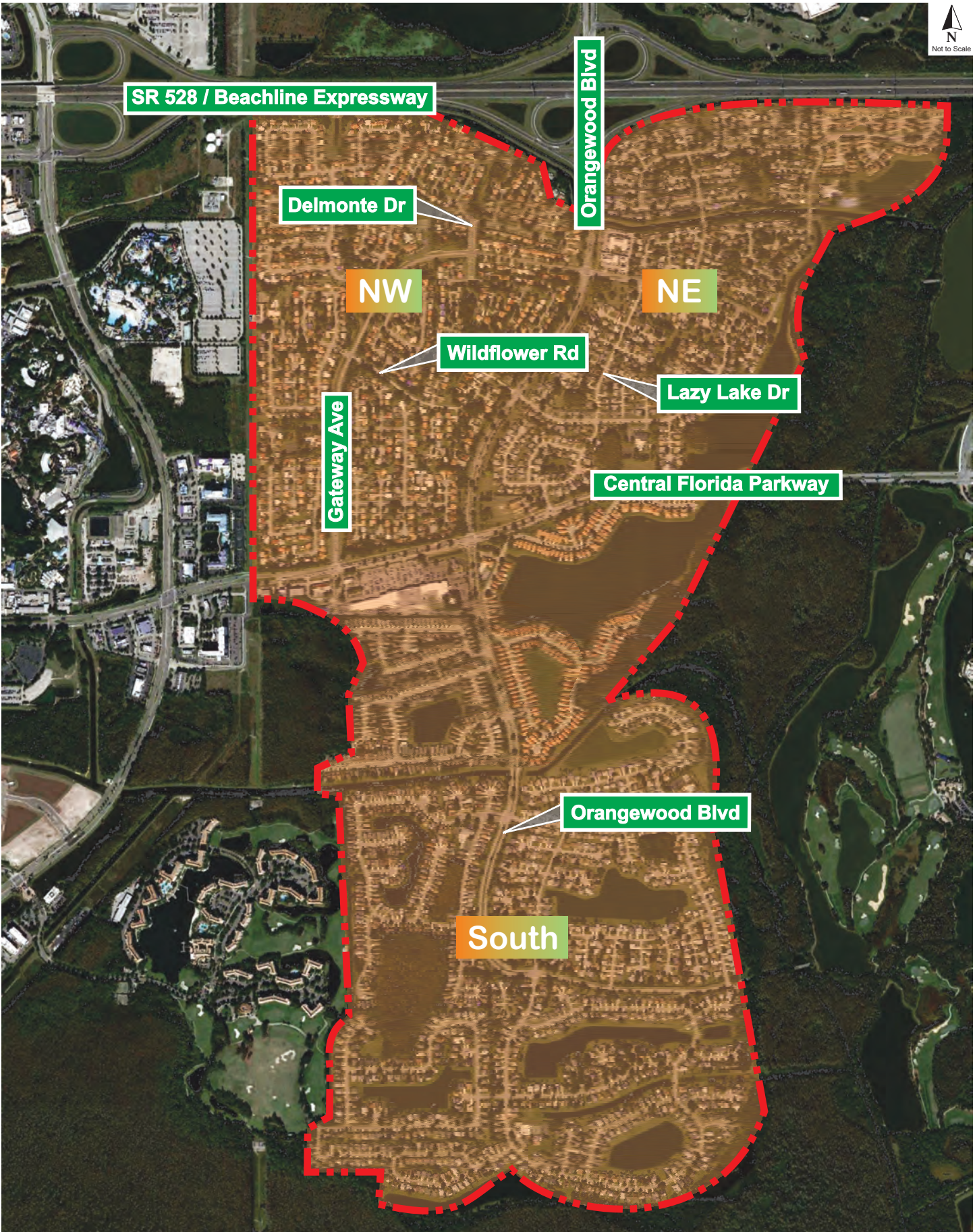
Due to numerous complaints from residents of the Williamsburg community regarding traffic congestion, speeding motorists, and cut-through traffic within neighborhood streets, Orange County has requested a transportation study for the area to identify the specific traffic issues impacting residents and to determine feasible solutions. The goals of this study include the following:

- Identify high crash locations and speeding.
- Identify cut-through traffic patterns and volumes.
- Identify operational deficiencies for study roadway segments and intersections.
- Identify short-term and long-term improvements for County implementation into the 5-year work plan.
- Prioritize improvements.

### 1.2 Study Area

The study area limits include the residential neighborhoods east and west of Orangewood Boulevard located between the Beachline Expressway (SR 528) and Central Florida Parkway, in addition to the residential neighborhoods south of the intersection of Central Florida Parkway and Orangewood Boulevard. The study area is depicted in **Figure 1**, which divides the neighborhoods into three (3) quadrants relative to the intersection of Central Florida Parkway and Orangewood Boulevard, described as the Northwest (NW) quadrant, Northeast (NE) quadrant, and the South quadrant.







## 2.0 DATA COLLECTION

### 2.1 Existing Data Resources

The following data was obtained from Orange County and was utilized in the analysis:

- Traffic counts collected as part of the County's annual traffic count program and FDOT Florida Traffic Online (**Appendix A**).
- Orange County Concurrency Management System (CMS) Database (**Appendix B**).
- Current signal timing sheets for signalized intersections within the study area (**Appendix C**).
- Signalization plans for the intersection of Orangewood Boulevard and Gateway Avenue (**Appendix D**).
- Planned and programmed improvements obtained from the 2045 Metropolitan Transportation Plan (MTP) Cost Feasible Plan, the Metroplan Orlando Transportation Improvement Program (TIP 2023-2027), and Orange County Long Range Transportation Plan (LRTP) 2030 Map (**Appendix E**).
- Lynx Transit Development Plan FY 2022-2031 (**Appendix F**).
- Presentations of previous Williamsburg Town Hall Meetings and other community meetings held within the study limits over the last three (3) years (**Appendix G**).
- Current land uses within the study area of influence identified through field reviews, aerial photography, and data available from the Orange County Property Appraiser website.

### 2.2 Field Visit/Survey

A full field visit during the PM peak hour was conducted on May 31, 2022, from 2:00 pm to 5:00 pm, to review the study area, which included documenting operational, safety, and maintenance features along the major arterials within the Williamsburg study area (Orangewood Boulevard, Central Florida Parkway, and Gateway Avenue). The observation also included a limited inventory/assessment of traffic control devices, American with Disabilities Act Standards for Accessible Design (ADA) accommodations (not a full ADA compliance analysis), and other elements within the area. A condition diagram was prepared for existing signs, signals, overhead utility poles, lighting, and other obstructions, overlaid in an aerial map for Orangewood Boulevard, Central Florida Parkway and Gateway Avenue. The condition diagrams are provided in **Appendix H**.



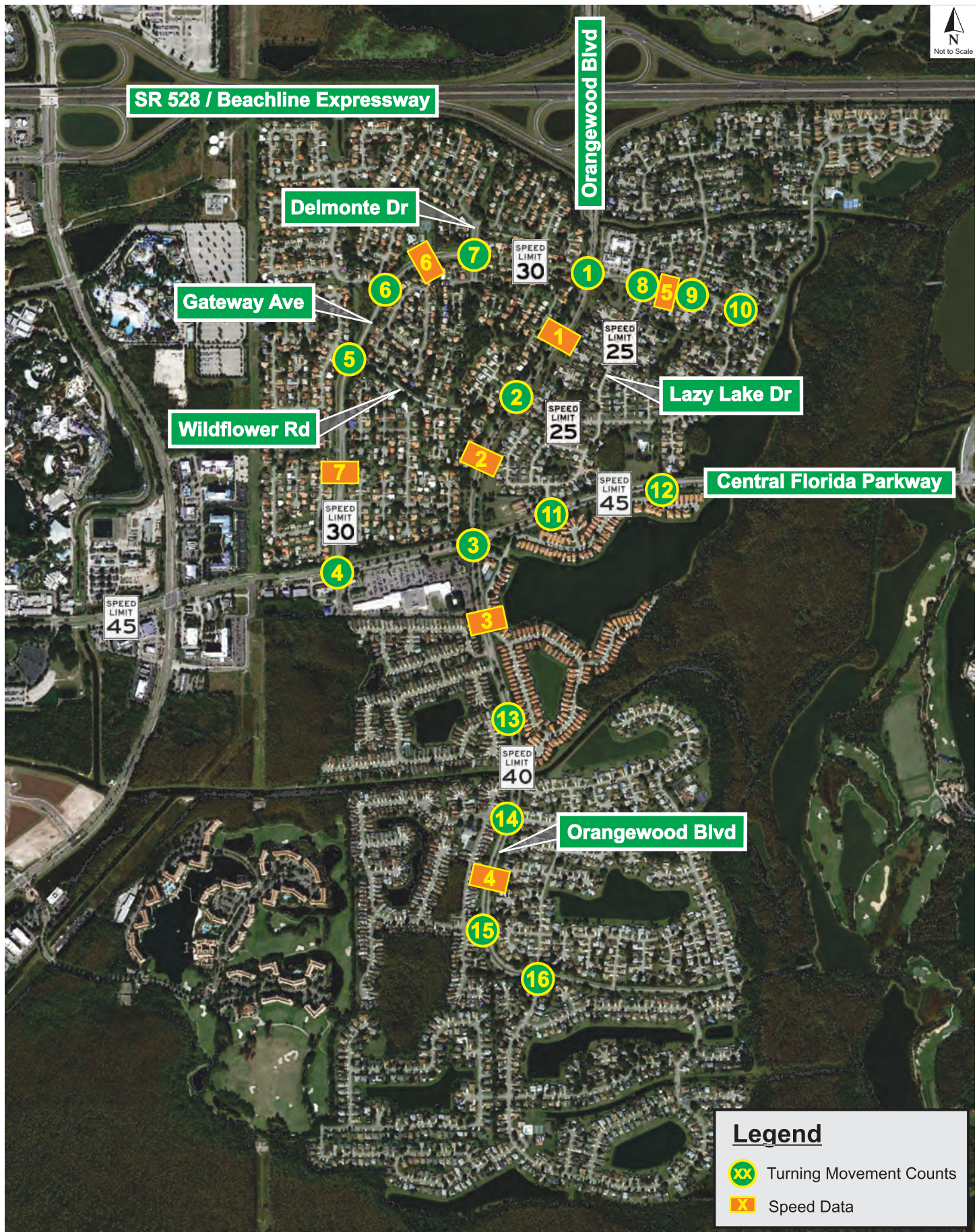
### 2.3 Supplemental Intersection Data

Supplemental 4-hour turning movement counts for all modes of transportation (including automobiles, trucks, bicycles, and pedestrians) were collected during the periods of 7:00 am to 9:00 am and 4:00 pm to 6:00 pm from Tuesday May 17, 2022 to Thursday May 19, 2022 for the following intersections:

- No. 1: Orangewood Boulevard & Gateway Avenue
- No. 2: Orangewood Boulevard & Larissa Street
- No. 3: Orangewood Boulevard & Central Florida Parkway
- No. 4: Gateway Avenue & Central Florida Parkway
- No. 5: Gateway Avenue & Wildflower Road
- No. 6: Gateway Avenue & Delmonte Drive
- No. 7: Gateway Avenue & Lazy Lake Drive
- No. 8: Gateway Avenue & Galliard Boulevard
- No. 9: Gateway Avenue & Larissa Street
- No. 10: Gateway Avenue & Marco Polo Drive
- No. 11: Central Florida Parkway & Leewind Way
- No. 12: Central Florida Parkway & Whitley Place
- No. 13: Orangewood Boulevard & Parkview Lake Drive
- No. 14: Orangewood Boulevard & Silent Brook Drive
- No. 15: Orangewood Boulevard & Parkview Point Drive
- No. 16: Orangewood Boulevard & Deer Creek Drive/Stamfield Drive

**Figure 2** shows the locations of each of the intersections where turning movement counts were collected.





**Legend**

- Turning Movement Counts
- Speed Data



## 2.4 Supplemental Roadway Volume Data

Supplemental 24-hour bi-directional volume and speed counts were collected from May 11, 2022 to May 12, 2022 at the following roadway locations:

- Orangewood Boulevard, North of Larissa Street
- Orangewood Boulevard, North of Central Florida Parkway
- Orangewood Boulevard, North of Norman H Custom Drive
- Orangewood Boulevard, North of Parkview Point Drive
- Gateway Avenue, West of Galliard Boulevard
- Gateway Avenue, West of Delmonte Drive
- Gateway Avenue, North of Wagner Drive

The locations of the roadway segment traffic counts are also presented in **Figure 2**.

## 2.5 Origin & Destination Travel Data

Origin and Destination (O&D) data was obtained from the StreetLight Data platform to quantify the amount of cut-through traffic using the residential neighborhood streets. The data was obtained for a one (1) year period from January 1, 2021 to December 31, 2021. In addition, the StreetLight Data platform was used to determine the amount of traffic originating within the Williamsburg area and destined at the Superstop bus park and ride facility on Destination Parkway. The StreetLight Data was obtained for an average weekday and for average morning (6:00 am to 10:00 am) and evening (3:00 pm to 7:00 pm) peak hour periods on a typical weekday. The O&D data was obtained using eight (8) pre-identified zones, depicted in **Figure 3**. Zones 1, 2, 3, and 4 were identified as “Internal Zones”, while Zones 5, 6, and 7 were identified as “External Zones”. The Superstop on Destination Parkway was identified as Zone 8.



**Legend**

- xx Internal Zones
- xx External Zones
- xx Super Stop



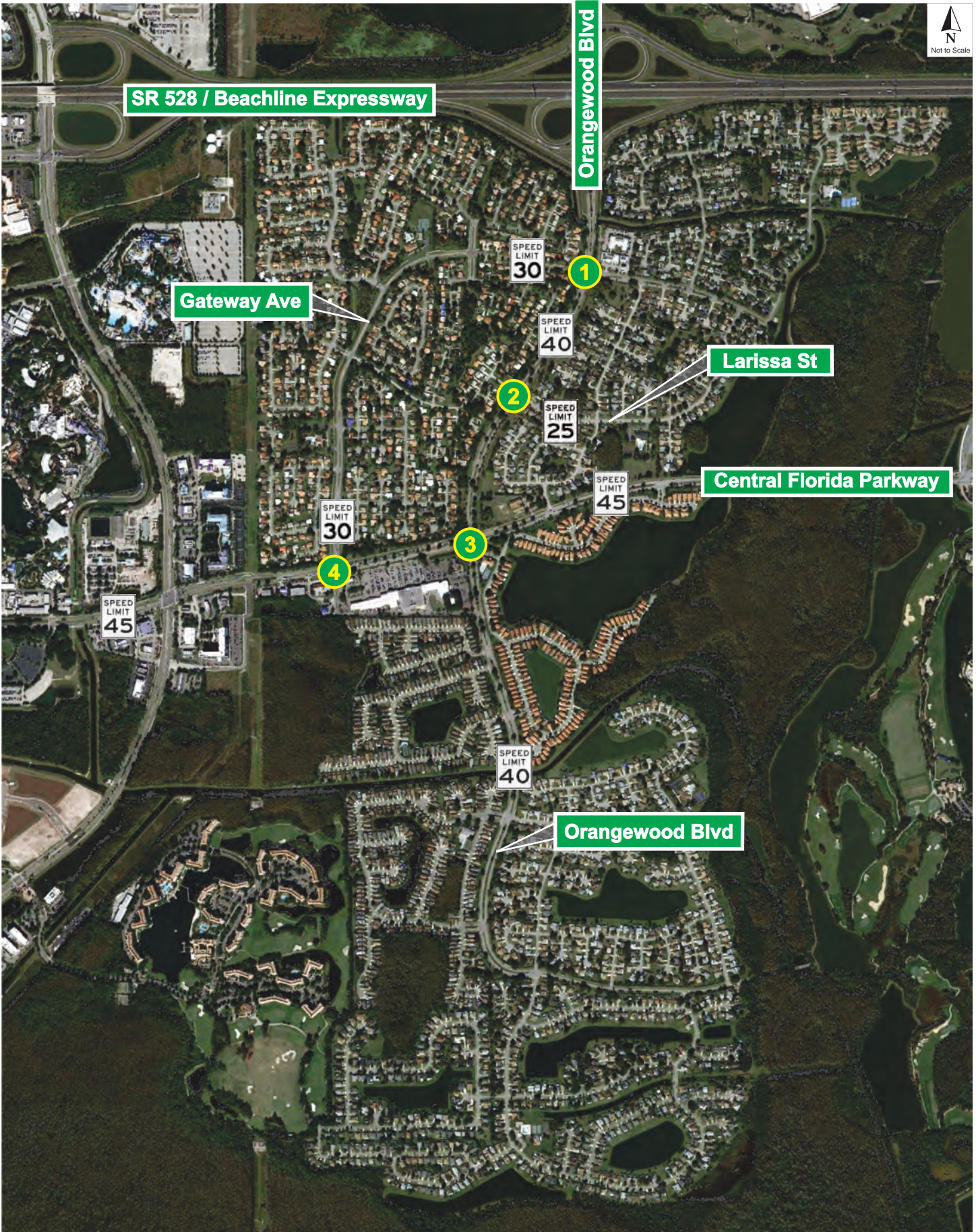
## 2.6 Crash Data

Historical crash data for the most recent three (3) years was obtained from the Signal-4 Analytics database for the roadway segments of Orangewood Boulevard and Gateway Avenue, in addition to the following key intersections within the study area:

- Orangewood Boulevard & Gateway Avenue
- Orangewood Boulevard & Larissa Street
- Central Florida Parkway & Orangewood Boulevard
- Central Florida Parkway & Gateway Avenue

The crash data includes the total number and types of crashes along with crashes involving pedestrians and bicycles. The pedestrian and bicycle crash information were analyzed both separately and concurrently with vehicular crash data, location, fatalities, injuries, cause and conditions. The crash data locations are presented in **Figure 4**, and the crash data summary sheets are provided in **Appendix I**.





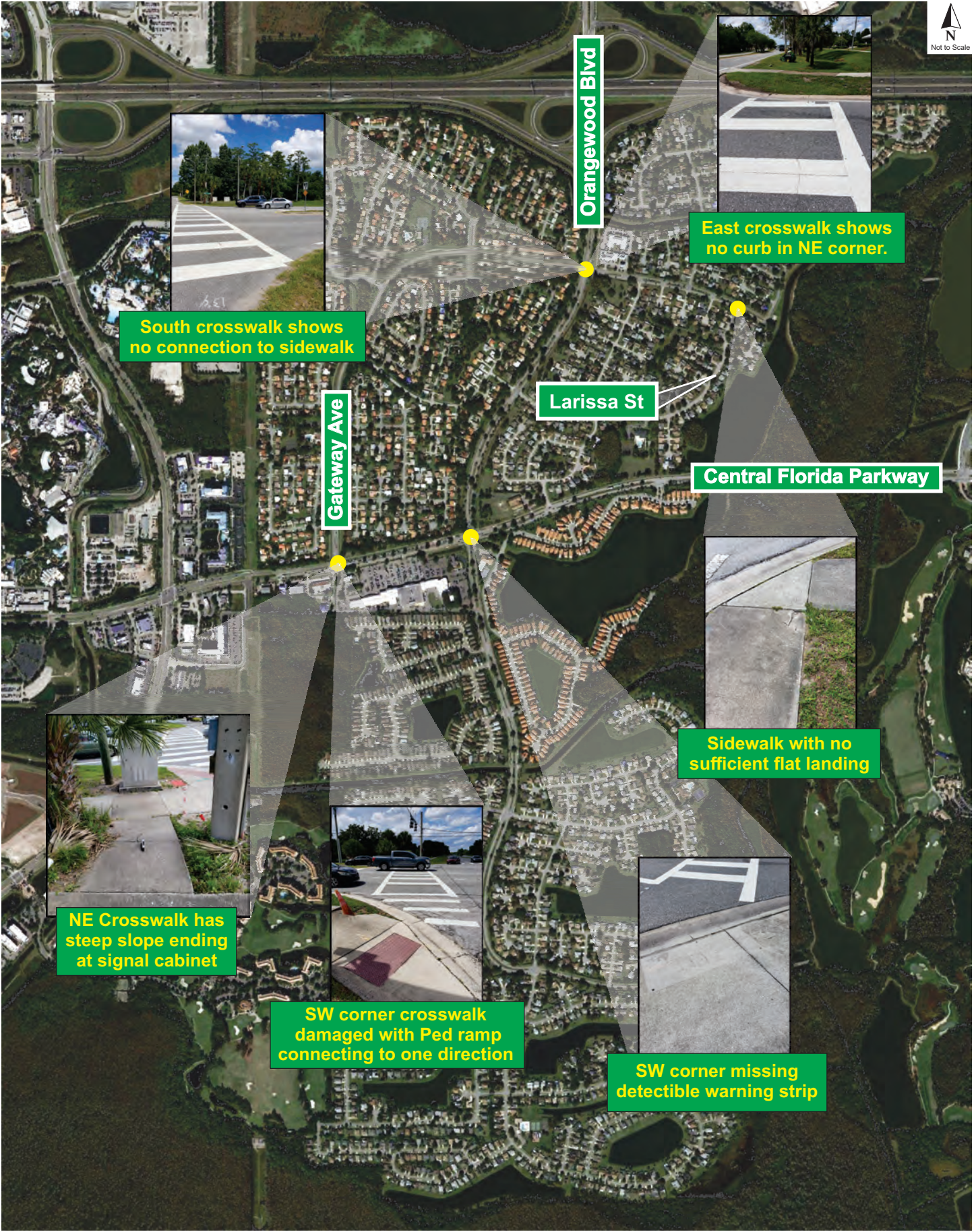


### 3.0 FIELD VISIT

A full field visit was conducted on May 31, 2022, from 1:00 pm to 5:00 pm, to review the study area, which included documenting operational, safety, and maintenance features along the major roadways within the Williamsburg study area (Orangewood Boulevard, Central Florida Parkway and Gateway Avenue). The observation also included a limited inventory/assessment of traffic control devices, in compliance with the Americans with Disabilities Act Standards for Accessible Design (ADA). TMC prepared condition diagrams of existing signs, signals, overhead utility poles, lighting, and other obstructions, overlaid in an aerial map for Central Florida Parkway, Orangewood Boulevard, and Gateway Avenue.

The most noticeable deficiencies found in the field were related to ADA compliance. Most of the pedestrian ramps at the intersection crosswalks do not comply with ADA requirements, such as slopes greater than 10% for some ramps, and insufficient landing areas at crosswalks (FDOT SPI 522-002). For example, at the southbound approach of the intersection of Central Florida Parkway and Gateway Avenue, there is a steep pedestrian ramp that ends at the signal cabinet, where someone in a wheelchair could easily hit the signal cabinet if they are not able to slow down in time. Another issue found during the site visit is related to sight distance at intersections where the curvature of the main road restricts the view of the driver trying to turn into the main road. Examples of the field visit photos showing ADA non-compliance, drainage, and sight distance issues are presented in **Figure 5**, **Figure 6**, and **Figure 7**, respectively. The field visit summary notes are provided in **Appendix J**.





South crosswalk shows no connection to sidewalk

East crosswalk shows no curb in NE corner.

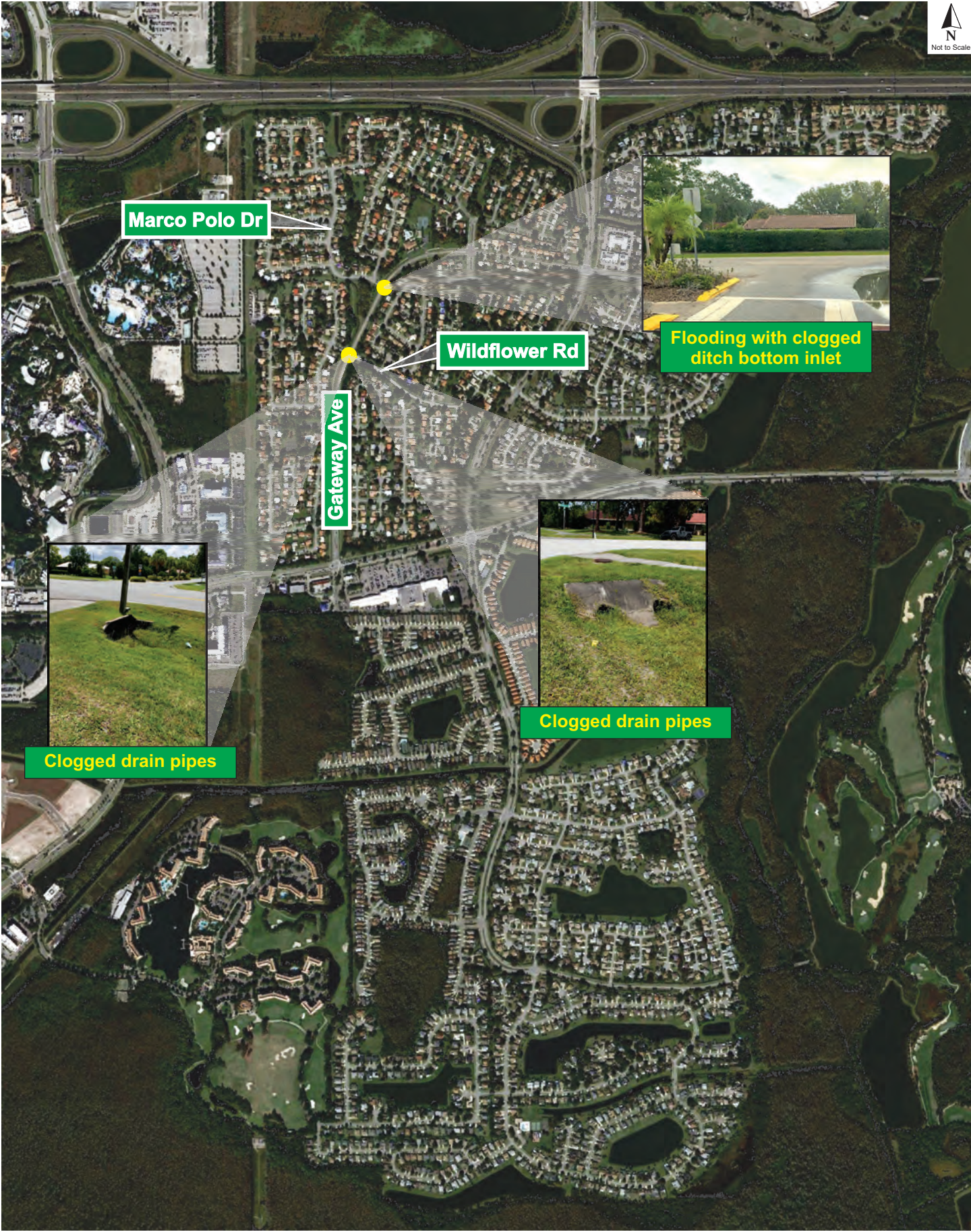
NE Crosswalk has steep slope ending at signal cabinet

SW corner crosswalk damaged with Ped ramp connecting to one direction

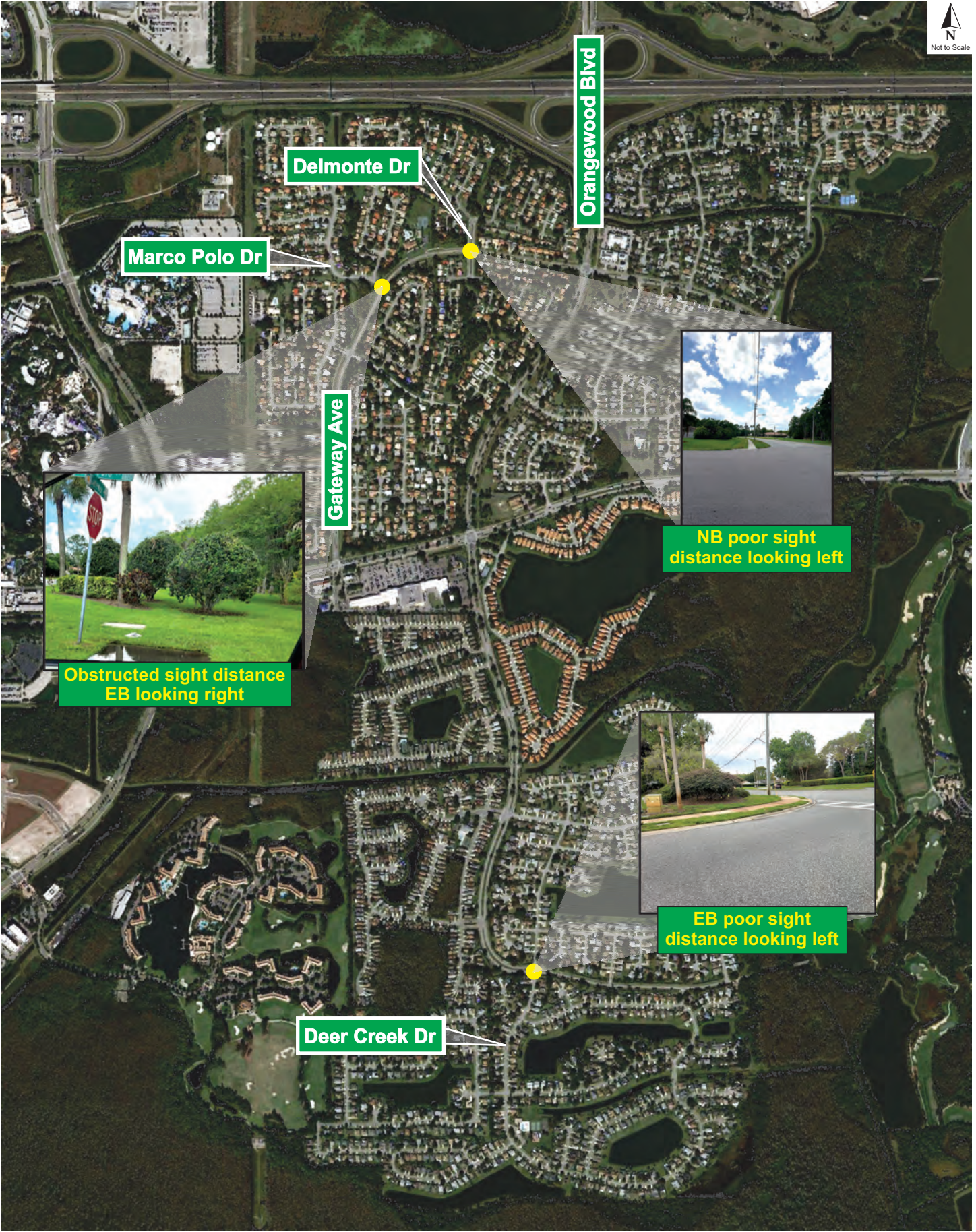
Sidewalk with no sufficient flat landing

SW corner missing detectible warning strip











## 4.0 EXISTING CONDITIONS ANALYSIS

### 4.1 Roadway Operations

The roadway segment Level of Service (LOS) analysis was conducted utilizing the latest Orange County roadway capacity information along with FDOT Generalized Capacity Tables, where applicable. **Table 1** provides a summary of the roadway segment operational analysis findings, which shows that all study segments within the Williamsburg study area are currently operating within their adopted LOS. The traffic volumes for the roadway locations not included in the County's CMS database were obtained from the 24-hour counts collected by TMC on May 11, 2022. Copies of the raw traffic count data are provided in Appendix A. **Figure 8** shows the resulting level of service for the study roadway segments.

**Table 1  
Roadway Operational Analysis**

Seg ID	Roadway	Segment	Lns	PM Peak		Min LOS	Segment Capacity	Comm Trips	Total Trips	Avail Cap	s Std	LOS
				Volume	Dir							
344	Orangewood Boulevard	North of Larissa Street	4	542	SB	E	2,000	23	565	1,435	YES	C
344	Orangewood Boulevard	North of Central Florida Parkway	4	532	SB	E	2,000	23	555	1,445	YES	C
N/A	Orangewood Boulevard	North of Norman H Custom Drive	4	395	SB	E	2,000	0	395	1,605	YES	C
N/A	Orangewood Boulevard	North of Parkview Point Drive	4	222	SB	E	2,000	0	222	1,778	YES	C
N/A	Gateway Avenue	West of Galliard Boulevard	4	122	EB	D	1,630	0	122	1,508	YES	C
N/A	Gateway Avenue	West of Delmonte Drive	4	170	NB	D	1,630	0	170	1,460	YES	C
N/A	Gateway Avenue	North of Wagner Drive	4	186	NB	D	1,630	0	186	1,444	YES	C







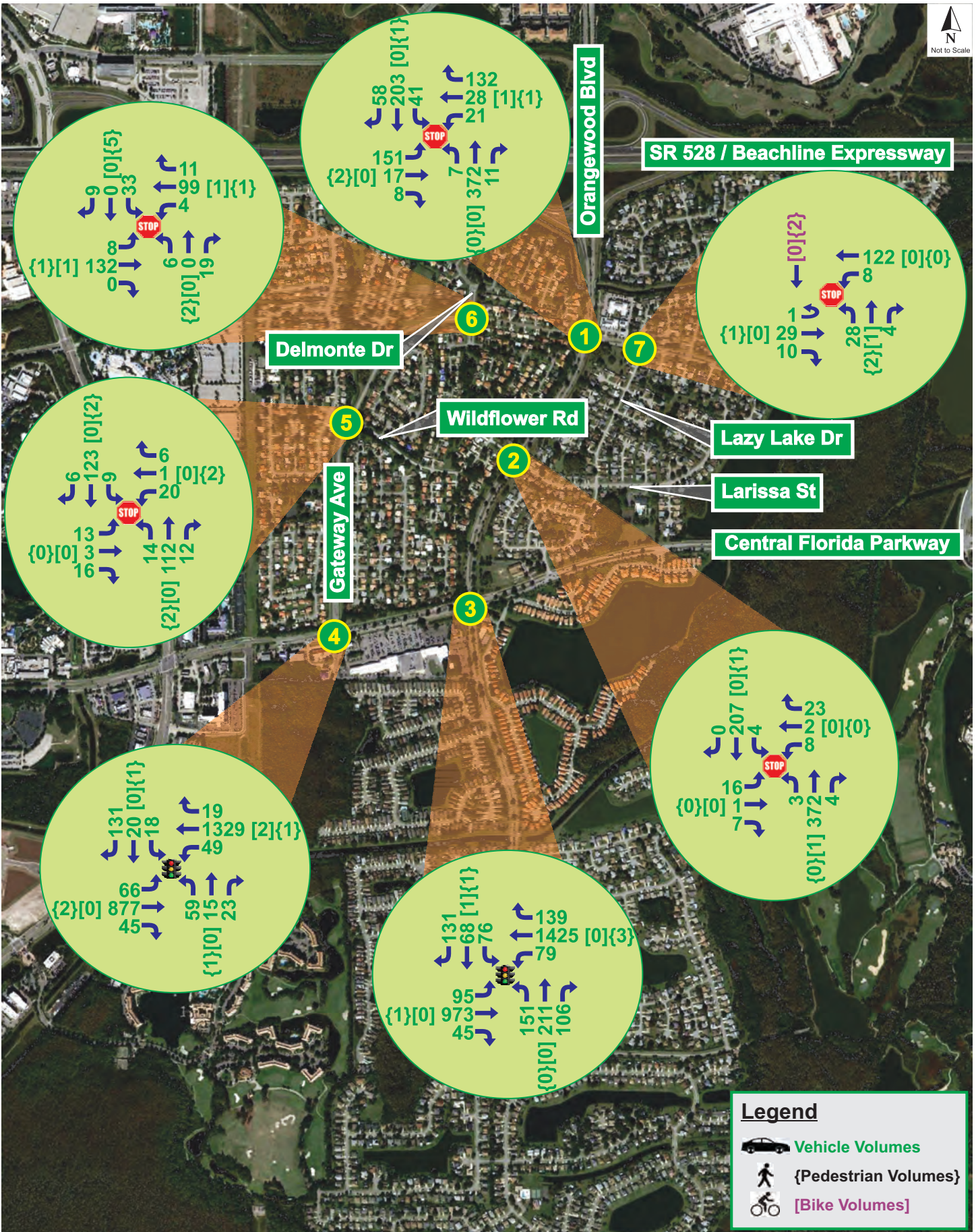
## 4.2 Intersection Operations

The latest version of the Highway Capacity Manual (HCM) was utilized for the intersection analyses. The signalized intersection operational analysis was conducted for the study intersections using Synchro software utilizing the HCM module. **Table 2** provides a summary of the intersection operational analysis findings, which shows that all study intersections currently operate at an acceptable level of service (LOS). **Figure 9** and **Figure 10** present the existing intersection turning volumes for the AM and PM peak hour periods, respectively.

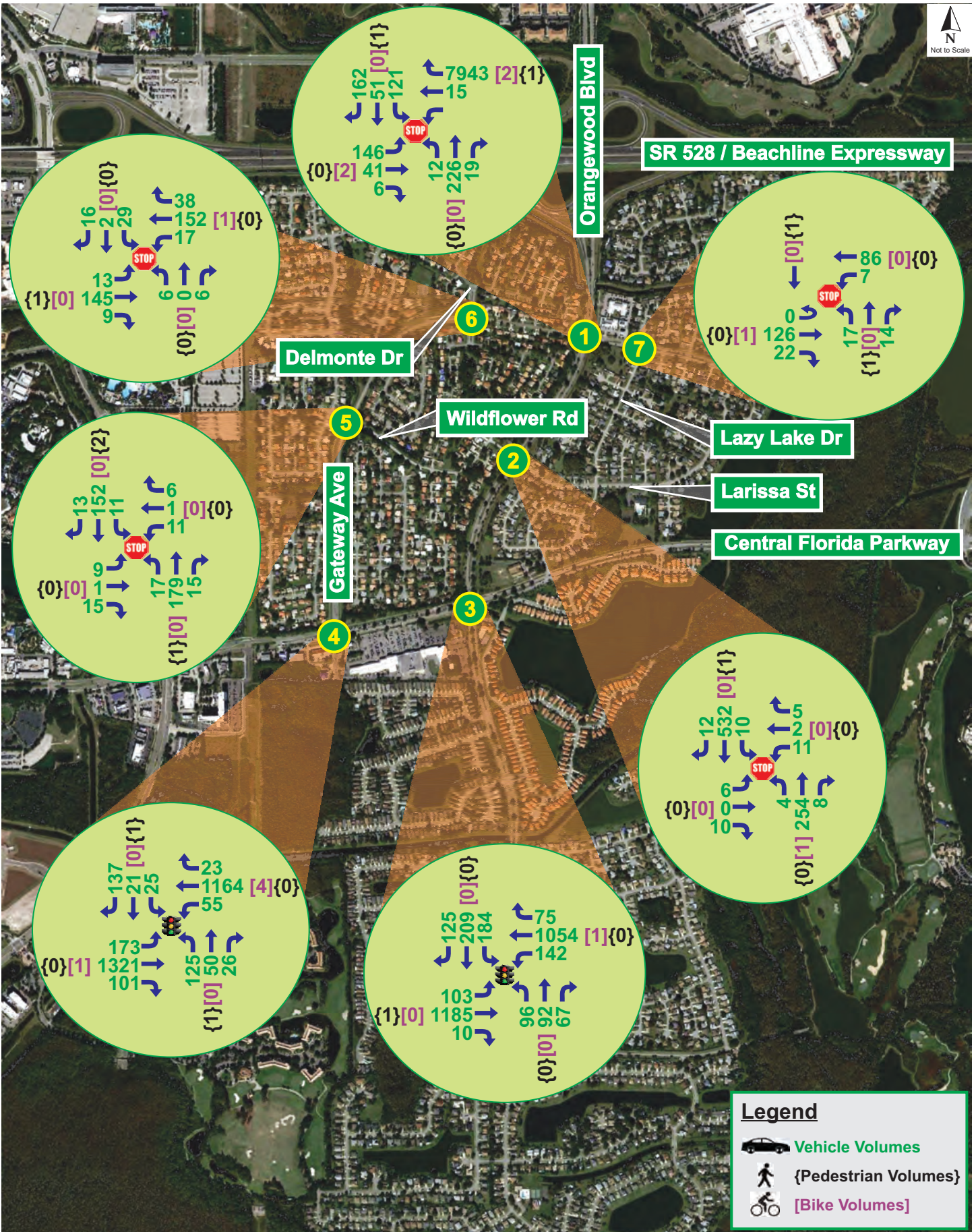
**Table 2**  
**Intersection Operational Analysis**

Intersection	Traffic Control	Time Period	EB		WB		NB		SB		Overall	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
Orangewood Blvd & Gateway Ave	AWSC	AM	14.5	B	12.0	B	15.4	C	12.4	B	13.8	B
		PM	15.2	C	12.2	B	14.0	B	20.5	C	17.7	C
	Signal	AM	20.2	C	28.3	C	20.5	C	15.7	B	20.4	C
		PM	20.0	C	24.7	C	18.6	C	18.8	C	19.6	B
Orangewood Blvd & Larissa St	TWSC	AM	12.4	B	11.5	B	7.7	A	8.2	A	-	-
		PM	12.9	B	13.6	B	8.6	A	7.8	A	-	-
Orangewood Blvd & Central Florida Pkwy	Signal	AM	15.5	B	71.4	E	10.5	B	9.8	A	40.6	D
		PM	27.5	C	20.4	C	10.0	A	10.6	B	21.0	C
Gateway Ave & Central Florida Pkwy	Signal	AM	15.5	B	71.4	E	10.5	B	9.8	A	40.6	D
		PM	27.5	C	20.4	C	10.0	A	10.6	B	21.0	C
Gateway Ave & Wildflower Rd	TWSC	AM	10.0	A	10.5	B	7.5	A	7.5	A	-	-
		PM	10.5	B	11.4	B	7.6	A	7.7	A	-	-
Gateway Ave & Delmonte Dr	TWSC	AM	7.5	A	7.5	A	9.4	A	10.5	B	-	-
		PM	7.7	A	7.6	A	10.7	B	11.5	B	-	-
Gateway Ave & Lazy Lake Dr	TWSC	AM	0.0	A	7.3	A	9.3	A	-	-	-	-
		PM	0.0	A	7.6	A	9.5	A	-	-	-	-

The results indicate that all study intersections are currently operating an acceptable LOS and are illustrated in **Figure 11**.



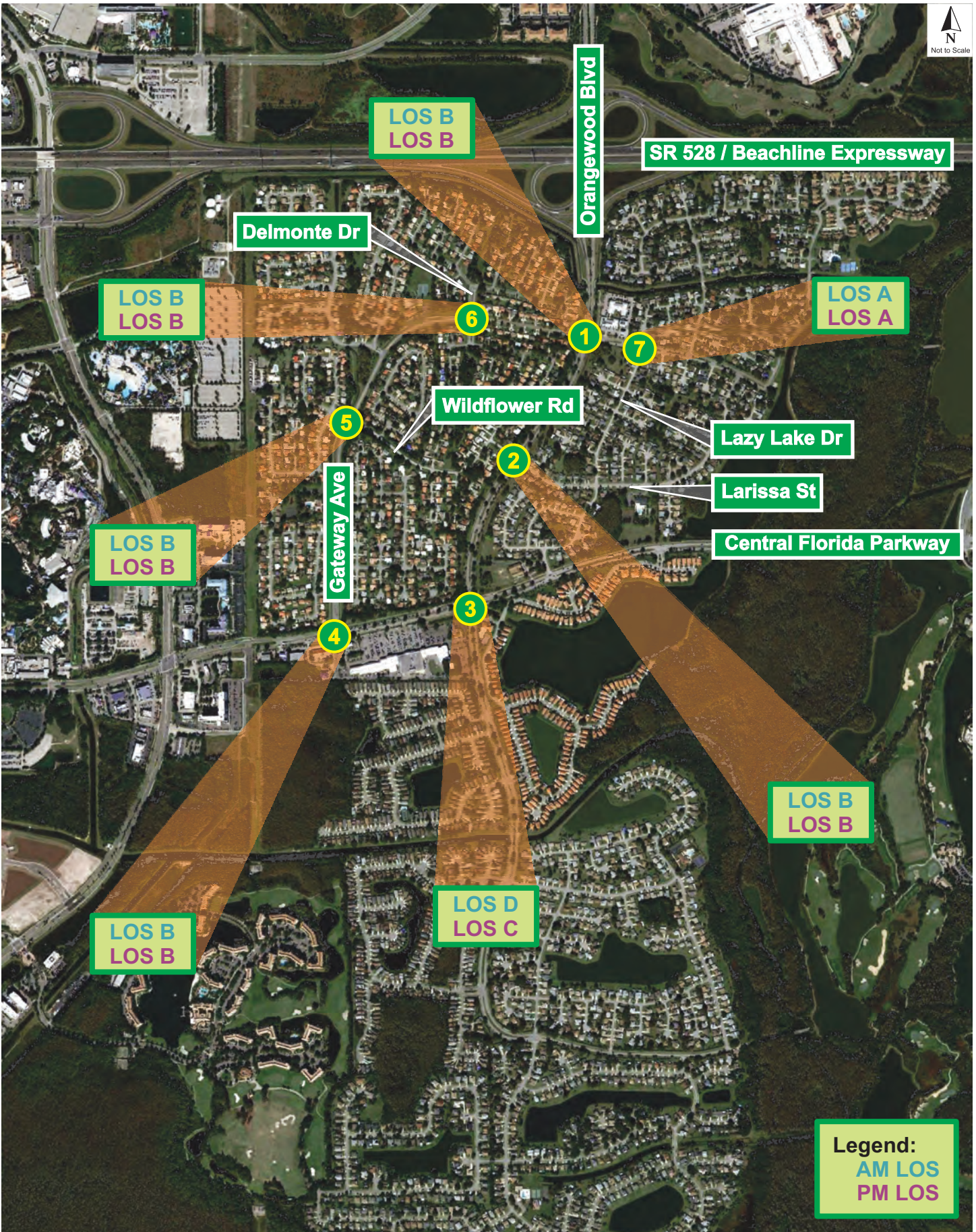








Not to Scale





### 4.3 Pedestrian & Bicycle Activities

The existing pedestrian and bicycle counts were collected at the study intersections at the same time the traffic counts were collected for the AM and PM peak hour periods. The results show that there is very little pedestrian and bicycle activities within the Williamsburg study area. **Figures 9** and **10** also present the existing pedestrian and bicycle volumes.

### 4.4 Cut-Through Traffic

Using the Streetlight Data Origin-Destination information for the identified study zones, TMC quantified the amount of traffic cutting through Gateway Avenue in the northwest quadrant of the Williamsburg study area, and through the neighborhood roads within the northeast quadrant of the Williamsburg study area. It was determined that no cut-through traffic is taking place for the Waterview subdivision in the southeast quadrant, since the subdivision is gated. The results of the cut-through traffic analysis are depicted in **Figure 12** for the northwest quadrant of the Williamsburg study area and in **Figure 13** for the northeast quadrant of the Williamsburg study area, and is summarized below:

- Figure 12 shows that 12% of the daily traffic originating in Zone 5 and ending in Zone 7 is cutting through the northwest quadrant of the study area. 17.5% of the morning peak hour traffic and 21% of the evening peak hour is cutting through the same area.
- Figure 12 also shows that 8% of the daily traffic originating in Zone 7 and ending in Zone 5 is cutting through the northwest quadrant of the study area. 8% of the morning peak hour traffic and 16% of the evening peak hour is cutting through the same area.
- Figure 13 shows that 7% of the daily traffic originating in Zone 6 and ending in Zone 7 is cutting through the northeast quadrant of the study area. 7% of the morning peak hour traffic and 15% of the evening peak hour is cutting through the same area.
- Figure 13 also shows that only 2% of the daily traffic originating in Zone 7 and ending in Zone 6 is cutting through the northeast quadrant of the study area. Only 1.5% of the morning peak hour traffic and 3.3% of the evening peak hour is cutting through the same area.

As for traffic originating in the Williamsburg study area with a destination of the transit Superstop next to the Convention Center, **Figure 14** indicates that no one living in the Williamsburg area uses the Superstop facility.



SR 528 / Beachline Expressway

Orangewood Blvd

Northwest Quadrant  
Zone 1

Zone 7

**Daily**  
 Total Volumes: 3,849  
 Cut-Through: 310  
 Cut-Through Percent: 8%  
 1 in 12 Vehicles

**AM**  
 Total Volumes: 130  
 Cut-Through: 11  
 Cut-Through Percent: 8%  
 1 in 12 Vehicles

**PM**  
 Total Volumes: 166  
 Cut-Through: 26  
 Cut-Through Percent: 16%  
 1 in 6 Vehicles

**Daily**  
 Total Volumes: 4,145  
 Cut-Through: 505  
 Cut-Through Percent: 12%  
 1 in 8 Vehicles

**AM**  
 Total Volumes: 114  
 Cut-Through: 20  
 Cut-Through Percent: 17.5%  
 1 in 6 Vehicles

**PM**  
 Total Volumes: 186  
 Cut-Through: 39  
 Cut-Through Percent: 21%  
 1 in 5 Vehicles



Gateway Ave

Central Florida Parkway

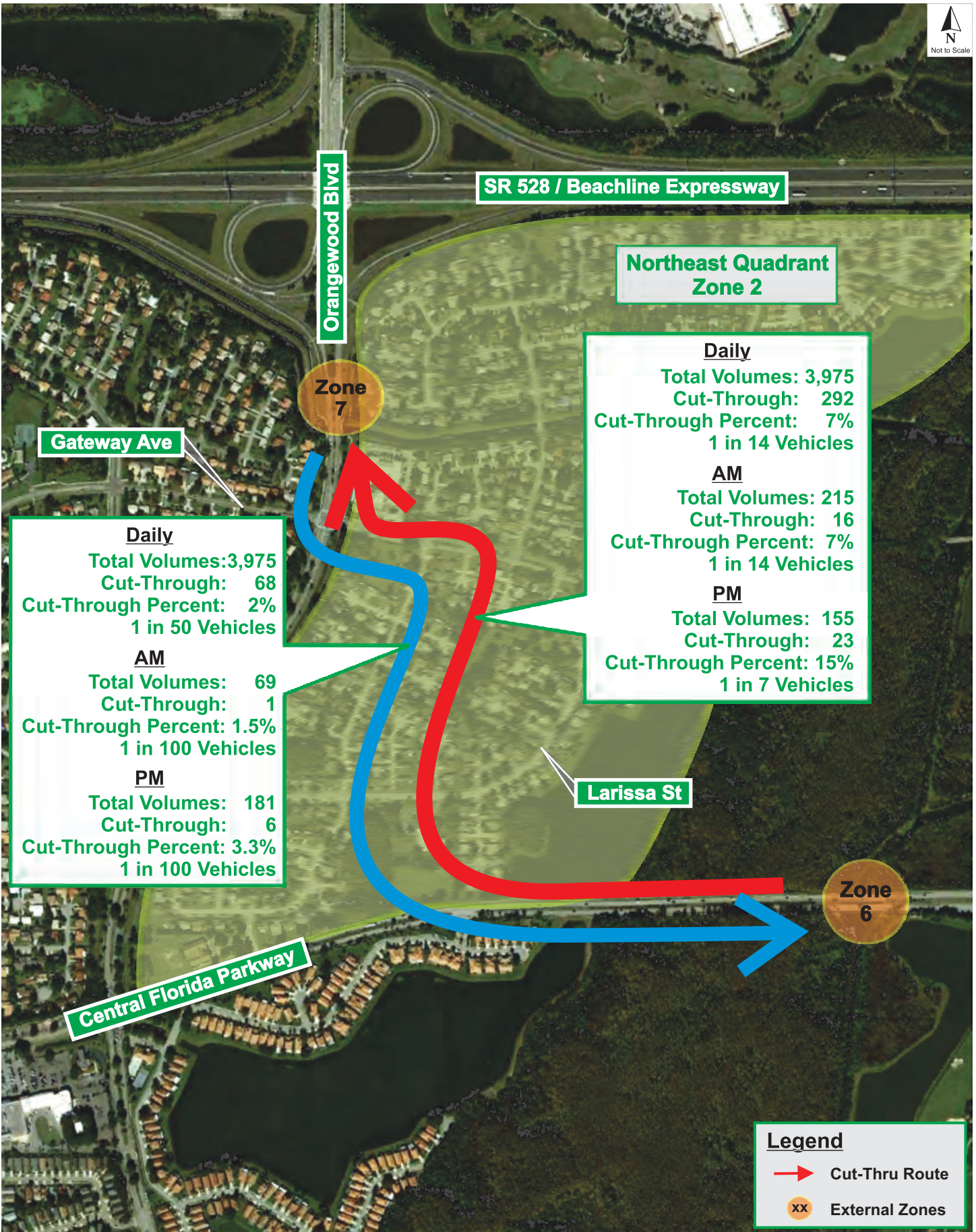
Zone 5

Orangewood Blvd

**Legend**

-  Cut-Thru Route
-  External Zones

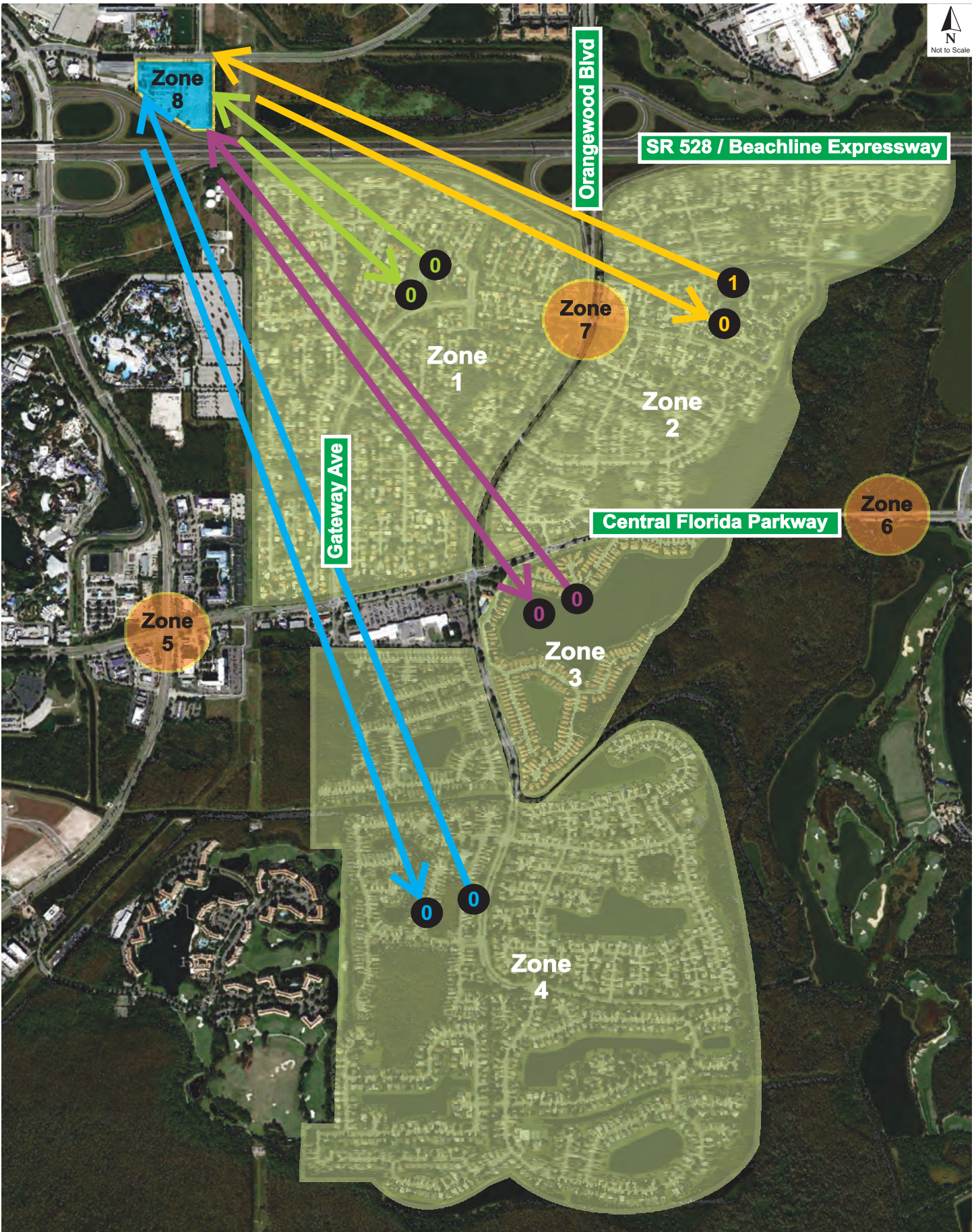




**Legend**

- Cut-Thru Route
- External Zones





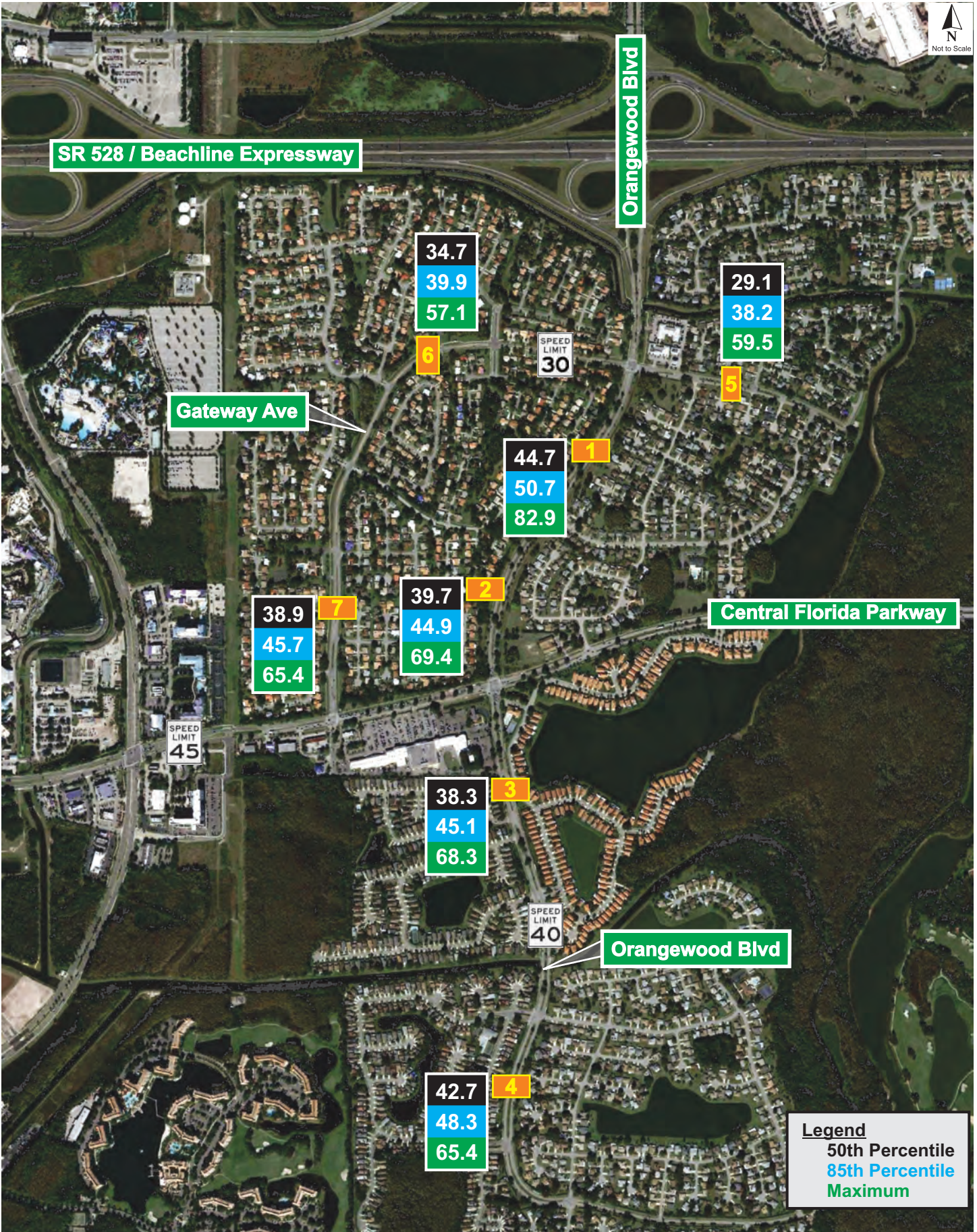
#### 4.5 Speed Study Analysis

Speed counts were collected at seven (7) locations for a 24-hour period spanning from May 11, 2022 to May 12, 2022. The data was analyzed in detail to identify the typical speeding pattern using the following measurements:

- Speed frequency (percentiles): Each of these shows the speed that is higher than a specific percentage of the population. The 85th percentile speed is the speed that is faster than 85% of the population and has been used in the past to set the posted speed limit.
- Maximum: This is the highest speed counted at that location.
- 10 mph pace: This is the 10-mph range that most drivers use

**Figure 15** shows the count locations and summary of the speeding behavior at each site. The results at each count site are described in the following sections.





**Legend**  
 50th Percentile  
 85th Percentile  
 Maximum

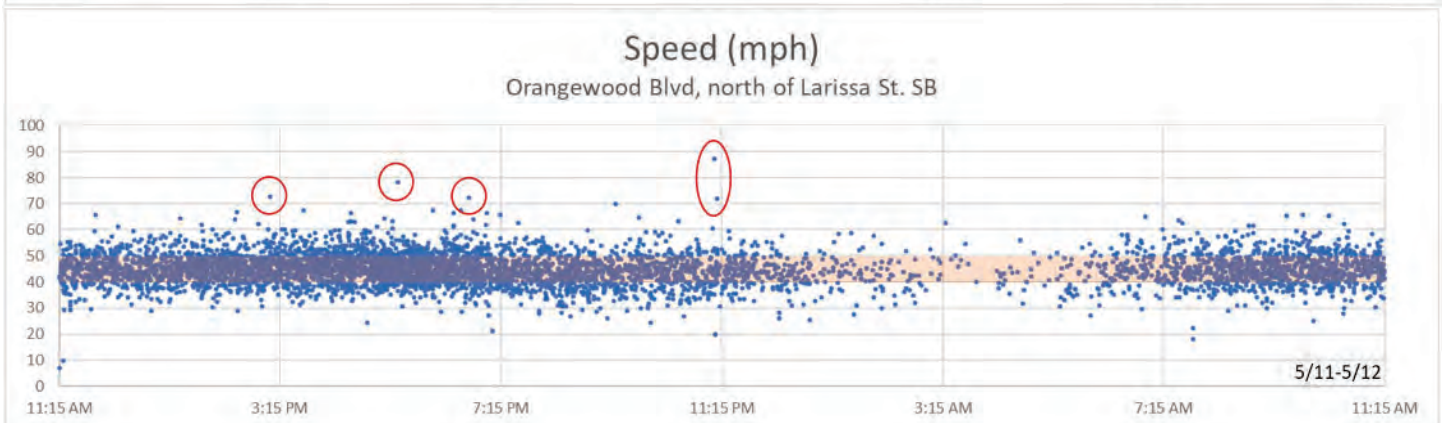
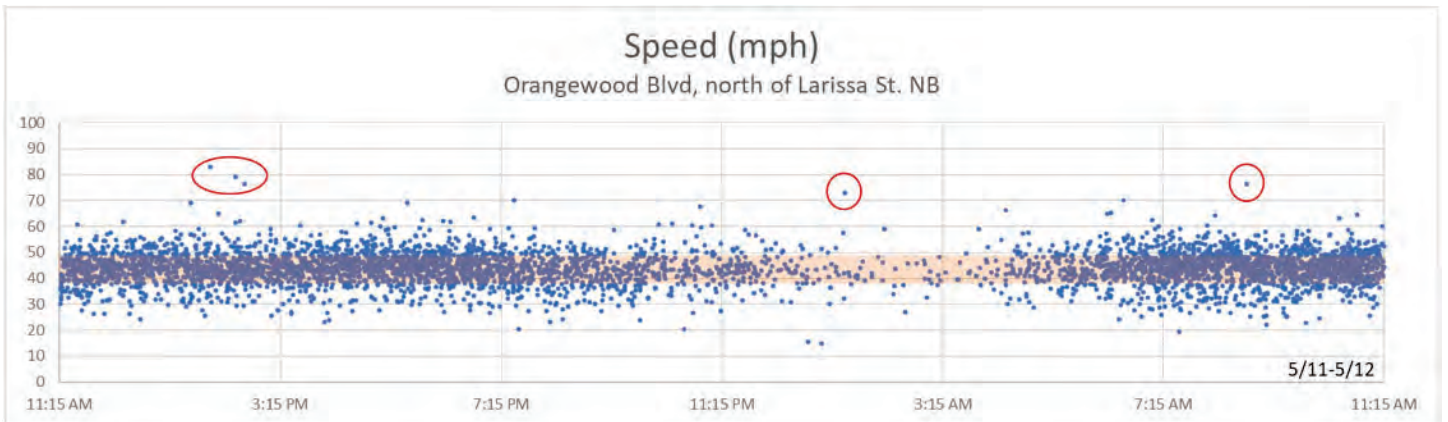


### Orangewood Boulevard, north of Larissa Street

Orangewood Boulevard north of Larissa Street is a 4-lane divided roadway with a wide median and street-trees buffering the sidewalk. The 85th percentile speed (50.7 mph) is 26% higher than the 40-mph posted speed. Street-trees in the median and along the side of the road may not be dense enough to have an impact on travel speeds. When the corridor width is adjusted to discount for the street-trees in the median, the estimated 85th percentile speed drops to 47.8 mph, which is closer to the speeds measured in the field. Speeds in excess of 70 mph occurred at least five (5) times a day and were not clustered at a specific time of day. **Figure 16** illustrates these results.



Northbound										
	Posted	width	doors	length	Estimate	50th	85th	95th	Max	10 mph pace
Speed:	40	43	0	1385	41.4	44.1	49.7	53.4	82.9	0% @ 15 - 25
Southbound										
	Posted	width	doors	length	Estimate	50th	85th	95th	Max	10 mph pace
Speed:	40	42	0	1380	41.1	44.7	50.7	54.7	87.3	0% @ 15 - 25



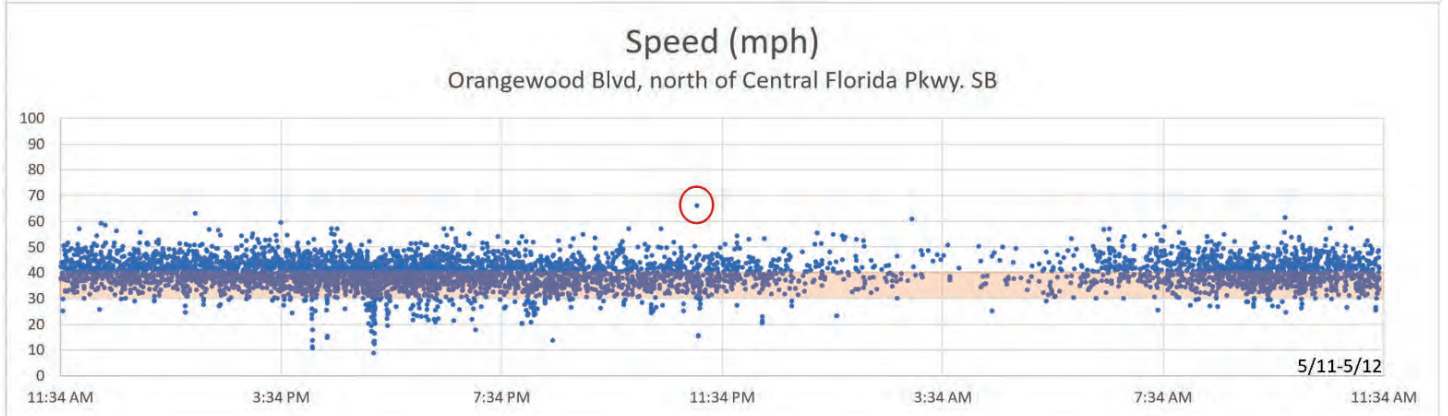
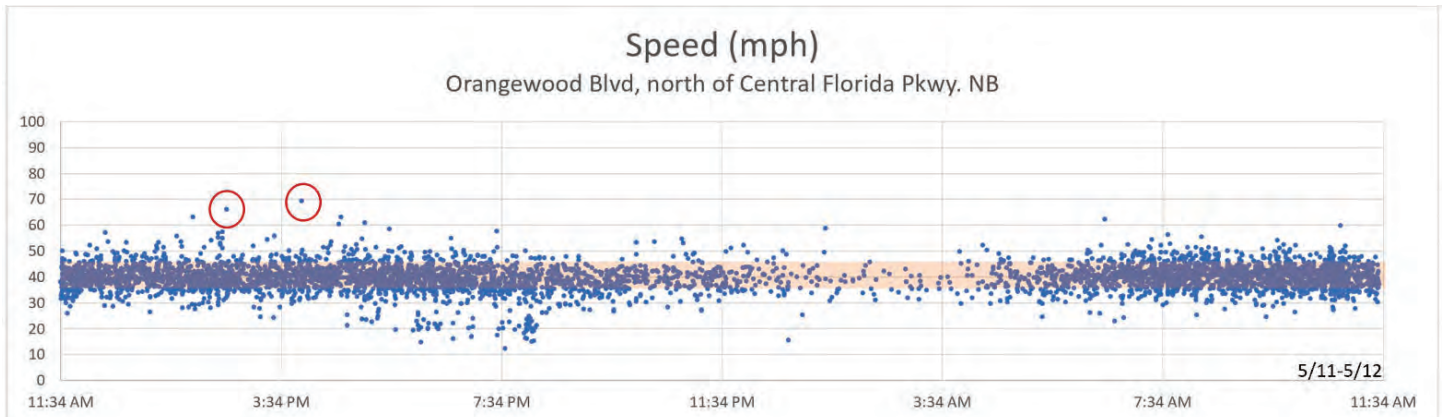


### Orangewood Boulevard, north of Central Florida Parkway

Orangewood Boulevard north of Central Florida Parkway is a 4-lane divided section with trees on the sides and in the median. The 85th percentile speed is only 12% over the posted speed, which is likely a result of the distance from the count location and the signal. As with the location south of Larissa Street, the trees have multiple missing specimens along the length that disrupt the visual interruption they provide. The estimated speed without the trees is 49.1 mph, which is closer to the actual corridor speed farther away from the intersection. The speeding outliers are in the 60 to 70 mph range in contrast to over 70 mph, as seen to the north, and it appears to reflect drivers running late to shifts that start around 3:30 pm or 4:00 pm. The southbound cluster of slower speeds during the peak hour shows where the queuing from the signal is extending to the location where the counts were taken. **Figure 17** illustrates these results.



Northbound										
	Posted	Width	Doors	Length	Estimate	50th	85th	95th	Max	10 mph pace
Speed:	40	40	0	1515	41.6	39.7	44.2	47.7	69.4	74% @ 34 - 44
Southbound										
	Posted	Width	Doors	Length	Estimate	50th	85th	95th	Max	10 mph pace
Speed:	40	40	0	1564	41.9	39.7	44.9	48.7	66.0	68% @ 35 - 45



### Orangewood Boulevard, north of Norman H. Cutson Drive

Orangewood Boulevard north of Norman H. Cutson Drive is a 4-lane divided section with trees in the median that are slightly more mature and healthier than those north of Central Florida Parkway. There are no trees between the sidewalk and the roadway to buffer pedestrians from the vehicle flow. This makes the corridor look wider, which encourages higher speeds. The estimates are consistent with the measured 85th percentile speed, which is roughly 10% higher than the posted speed limit. This location experiences multiple signal cycles where the northbound flow is impacted by queues from the signal at Central Florida Parkway. There are multiple drivers shown to be traveling between 60 and 70 mph. **Figure 18** illustrates these results.



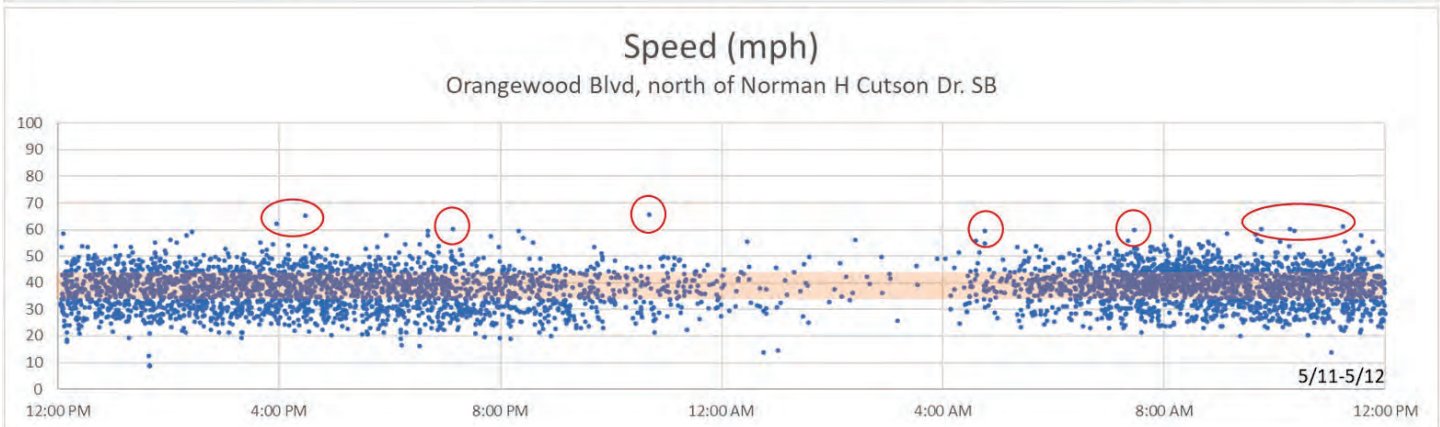
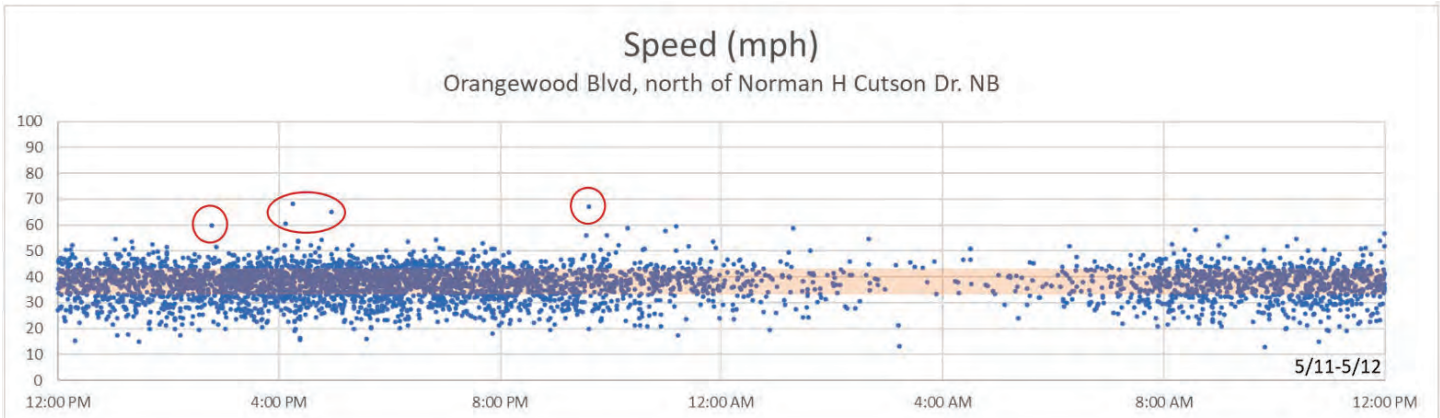


**Northbound**

	Posted	Width	Doors	Length	Estimate	50th	85th	95th	Max	10 mph pace
Speed:	40	44	0	1250	40.7	37.9	43.0	46.3	68.3	62% @ 33 - 43

**Southbound**

	Posted	Width	Doors	Length	Estimate	50th	85th	95th	Max	10 mph pace
Speed	40	63	0	1080	43.1	38.3	45.1	49.1	65.5	50% @ 34 - 44



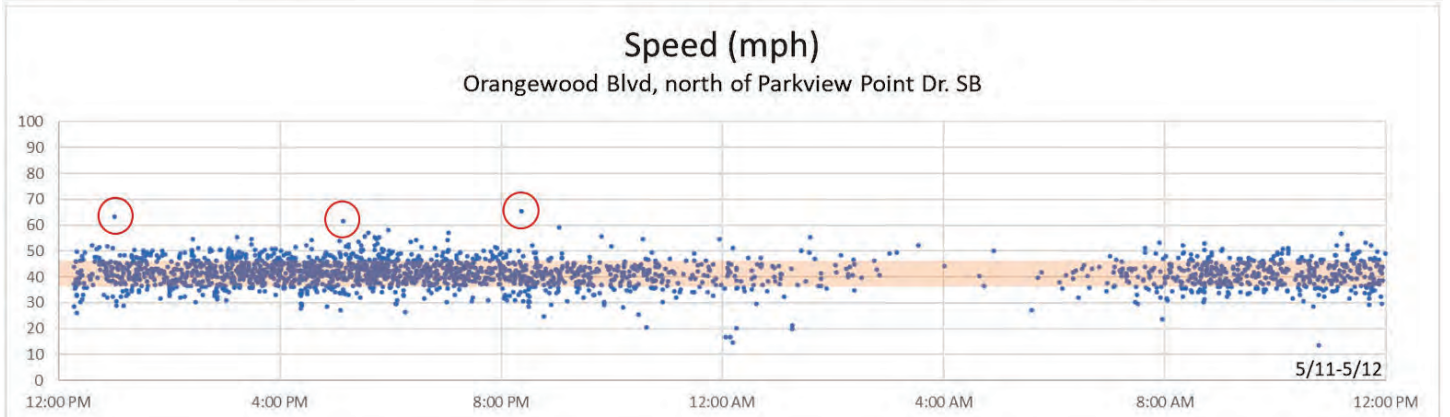
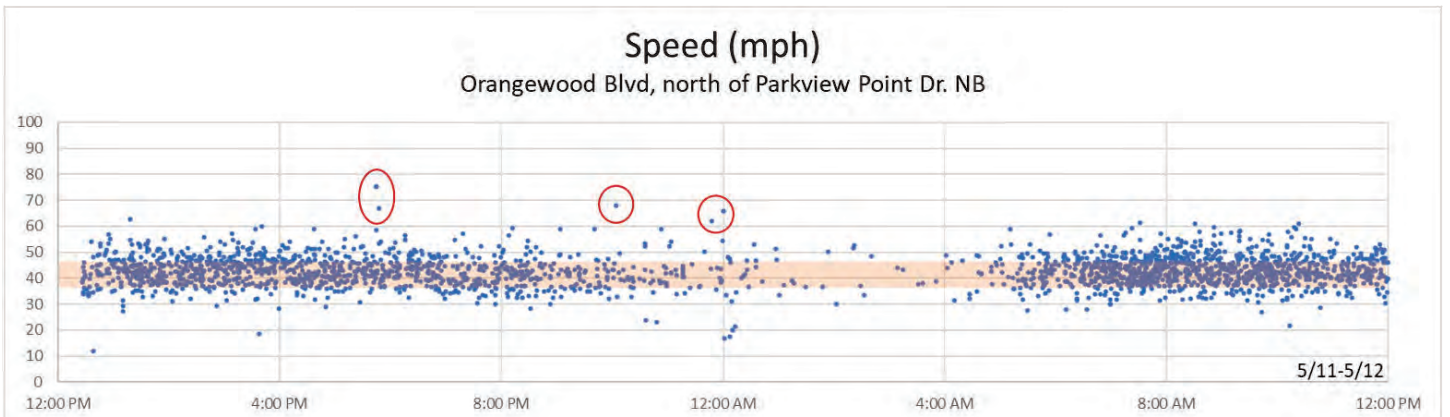
Orangewood Boulevard, north of Parkview Pointe Drive

Although this part of the corridor has the same 4-lane geometry as the sections to the north, the trees in the median are very widely spaced and therefore have a minimal impact on speed. In this corridor, the estimated speed is consistent with the observed 85th percentile speed, which is 18% higher than the posted speed. Speeds above 70 mph were observed, but most of the outliers were in the 60 to 70 mph range. **Figure 19** illustrates these results.





Northbound										
	Posted	Width	Doors	Length	Estimate	50th	85th	95th	Max	10 mph pace
Speed:	40	115	0	1060	48.9	42.7	48.3	52.2	75.2	66% @ 37 - 47
Southbound										
	Posted	Width	Doors	Length	Estimate	50th	85th	95th	Max	10 mph pace
Speed	40	115	0	1055	48.9	41.5	46.3	49.5	65.4	70% @ 36 - 46



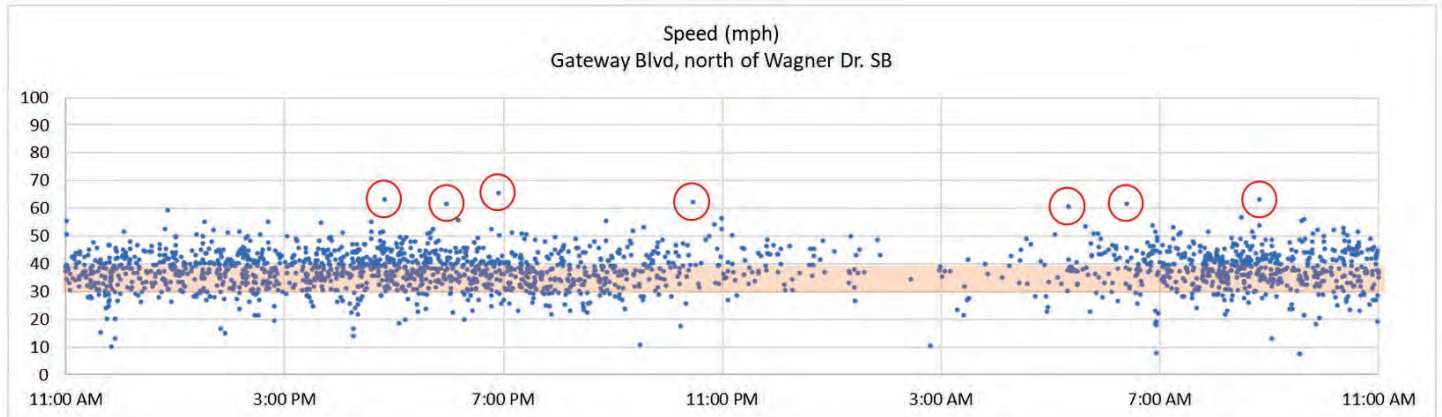
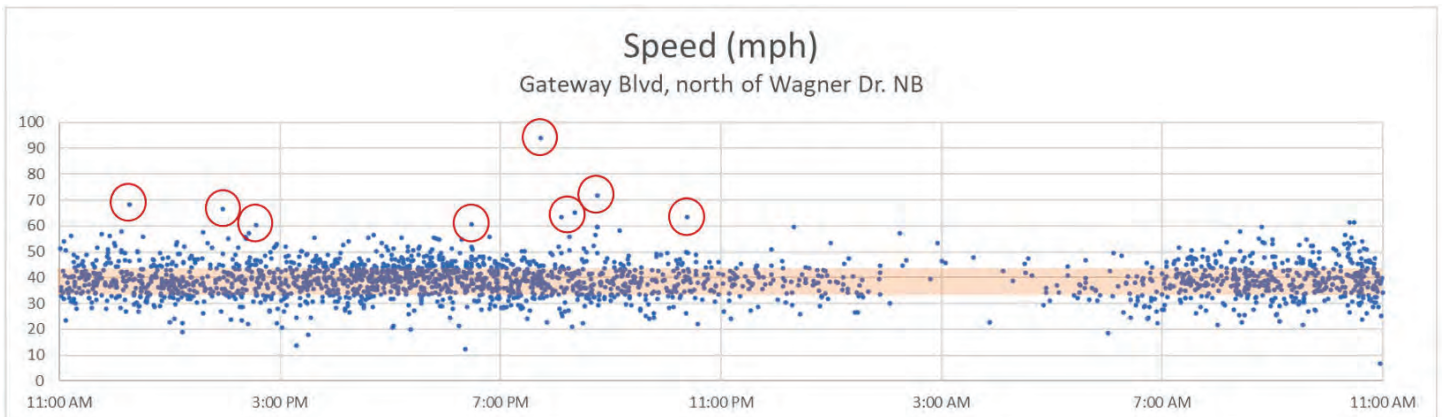
### Gateway Avenue, north of Wagner Drive

This section of Gateway Avenue is a 4-lane divided roadway with a raised median and some small trees in the median. The corridor is visually open but has relatively short block-lengths. The speeds are largely in line with the estimated speed, which is 50% over the posted speed of 30 mph. Sidewalks are placed consistently with clear zone offsets (25 feet from back of curb) and there are no obvious threats to the driver that would keep them travelling at or near the posted speed limit. This part of the corridor has no buildings immediately fronting the corridor and minimal shade to attract pedestrians or bicyclists on the sidewalk. This corridor experiences some of the highest speeds identified in the study, with one (1) driver travelling at 94 mph, and 16 drivers going over 60 mph. The 10-mph pace is universally over the posted speed limit, which means that most of the driving public does not respond to the 30 mph posted speed limit for the corridor. **Figure 20** illustrates these results.





Northbound										
	Posted	Width	Doors	Length	Estimated	50th	85th	95th	Max	10 mph pace
Speed:	30	135	0	380	45.9	38.9	45.7	50.2	94.0	58% @ 33 - 43
Southbound										
	Posted	Width	Doors	Length	Estimated	50th	85th	95th	Max	10 mph pace
Speed	30	135	0	380	45.9	38.1	44.6	48.7	65.4	56% @ 33 - 43



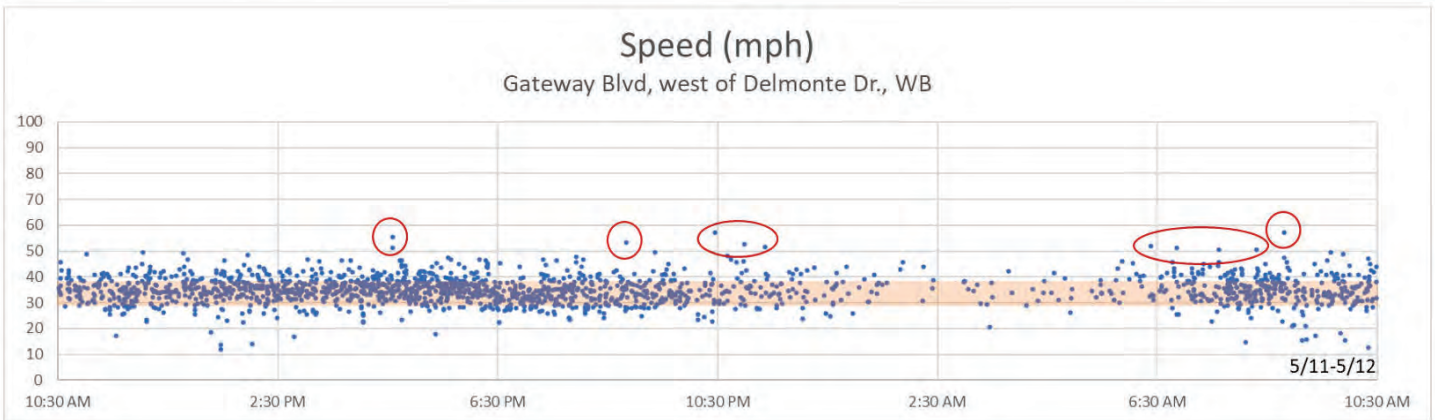
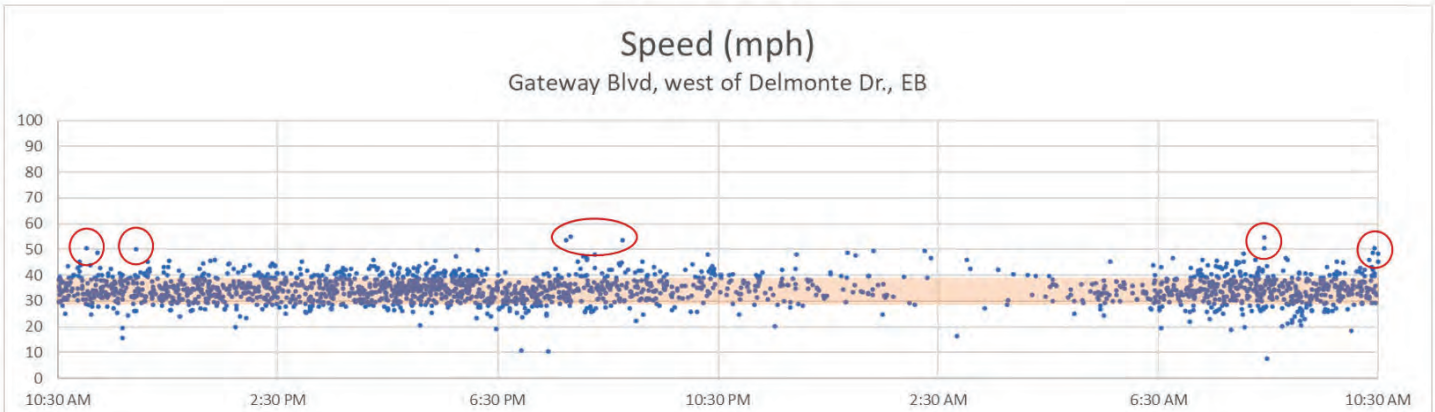
### Gateway Avenue, West of Delmonte Drive

This section of Gateway Avenue is a 2-lane undivided roadway but continues to have wide setbacks from the roadway. This area transitions from the neighborhood immediately to the east into the 4-lane section to the south. The estimated speeds are much higher than the measured 85th percentile speeds, which reflects the impact of the nearby residential area. However, the outliers are much closer to the posted speed, with 19 drivers observed in the 50 to 60 mph range. Sidewalks are set back 24 feet from the roadway in a clear-zone design strategy and the roadway cross section is open-swale. **Figure 21** illustrates these results.





Eastbound										
	Posted	Width	Doors	Length	Estimated	50th	85th	95th	Max	10 mph pace
Speed:	30.0	115	0	950	48.2	34.6	39.7	42.6	54.9	71% @ 29 - 39
Westbound										
	Posted	Width	Doors	Length	Estimated	50th	85th	95th	Max	10 mph pace
Speed:	30.0	150	0	950	50.8	34.7	39.9	43.3	57.1	71% @ 29 - 39



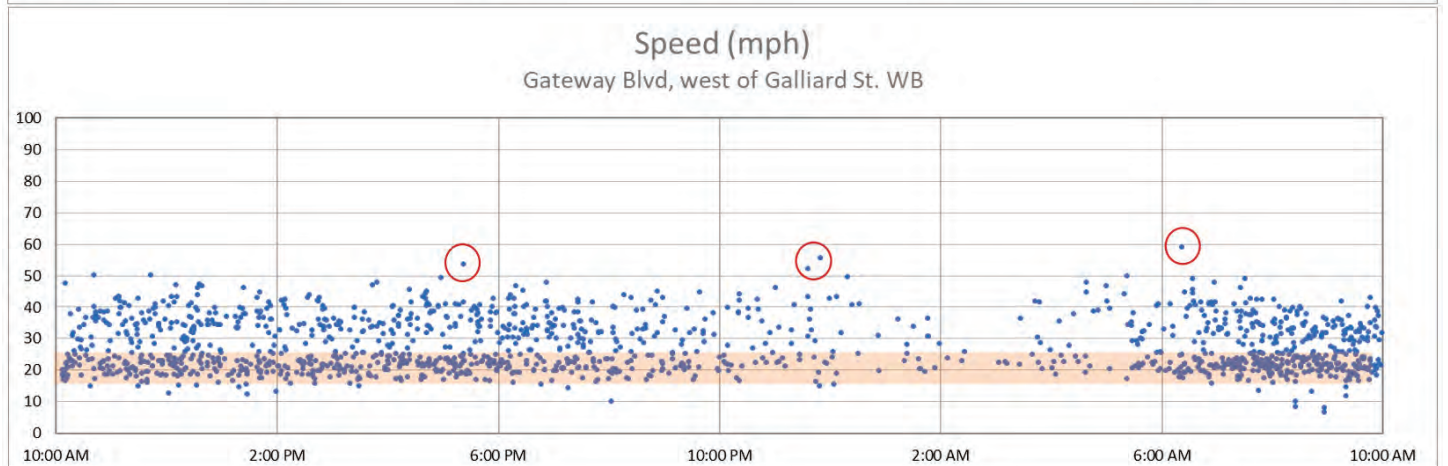
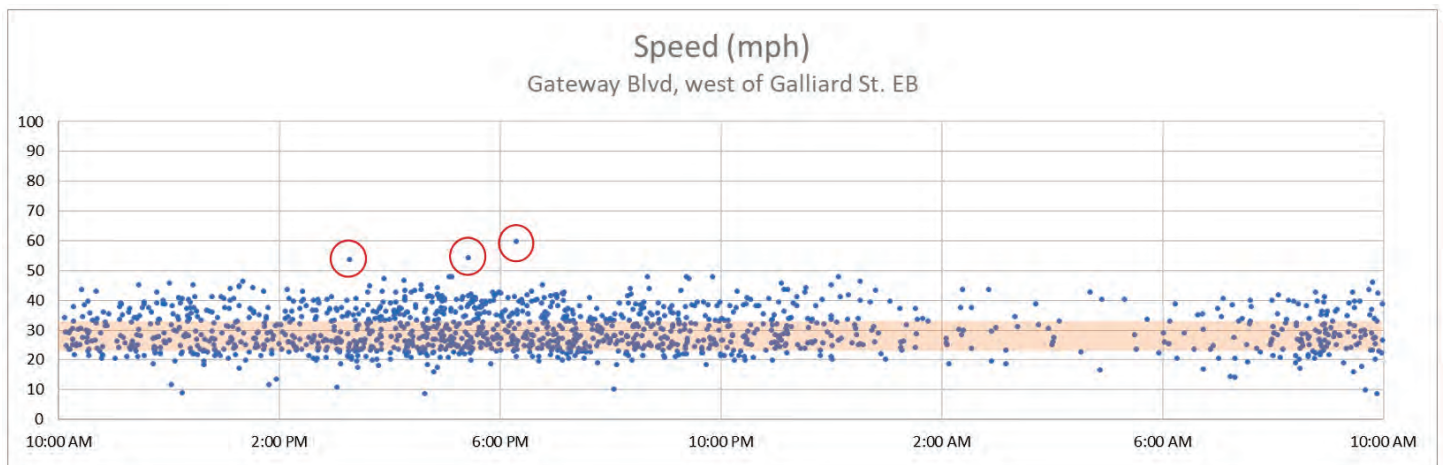
### Gateway Avenue, west of Galliard Boulevard

This section of Gateway Avenue is a 4-lane divided section with a narrow, planted median. The short block lengths and trees adjacent to the roadway and in the median make this corridor appear much narrower and encourage drivers to watch for side-street traffic. Estimated speeds are much lower than the 85th percentile speed, but the 10-mph pace is lower than the posted speed limit in the westbound direction, consistent with the posted speed in the eastbound direction. Sidewalks are only present in the westbound direction, but bicycle activity is common enough for us to observe at least two (2) cyclists during our 15-minute site visit. The effect of the sidewalk and trees on the speed is strongest in the westbound direction. Speeding does occur, with seven (7) drivers travelling between 50 and 60 mph. **Figure 22** illustrates these results.





Eastbound										
	Posted	Width	Doors	Length	Estimated	50th	85th	95th	Max	10 mph pace
Speed:	30	44	0	235	33.8	29.1	38.2	41.9	59.5	52% @ 22 - 32
Westbound										
	Posted	Width	Doors	Length	Estimated	50th	85th	95th	Max	10 mph pace
Speed	30	34	0	235	31.2	24.9	37.9	42.1	58.9	52% @ 16 - 26



## 4.6 Crash & Safety Analysis

### 4.6.1 Intersection Crashes for Key Intersections

Four (4) key intersections were analyzed for the most recent three (3) full years of crash data, from 2019 to 2021. Crash summaries and diagrams were prepared for each key intersection, with the crash number from the summary table corresponding with the crash number shown in the collision diagram for that intersection.

#### Orangewood Boulevard & Gateway Avenue

The intersection of Orangewood Boulevard and Gateway Avenue is an all-way stop-controlled intersection. Every crash documented within the three (3) years of collected crash data was an angle or left turning crash due to a driver failing to yield right of way. This is likely attributed to the fact that there are multiple lanes on each approach to the intersection, which creates confusion as to which vehicle has the right of way. The crash reports documented conflicting statements from the vehicles involved, and the vehicle at fault was not determined for most of the crashes. The crash summary table for Orangewood Boulevard and Gateway Avenue is shown in **Table 3**. The following trends were identified in the ten (10) intersection crashes:

- For three (3) crashes (crashes 7, 8, and 10), a westbound-thru vehicle on Gateway Avenue and a southbound-thru vehicle on Orangewood Boulevard were traveling through the intersection and one party failed to yield the right of way. One (1) of these crashes resulted in an injury.
- For two (2) crashes (crashes 4 and 6), a westbound-thru vehicle on Gateway Avenue and a northbound-thru vehicle on Orangewood Boulevard were traveling through the intersection and one party failed to yield the right of way. One (1) of these crashes occurred at night and resulted in an injury.
- For one (1) crash (crash 9), a southbound left-turning vehicle and a northbound-thru vehicle on Orangewood Boulevard were traveling through the intersection and one party failed to yield the right of way.
- For two (2) crashes (crashes 1 and 5), an eastbound-thru vehicle on Gateway Avenue and a southbound-thru vehicle on Orangewood Boulevard were traveling through the intersection and one party failed to yield the right of way. One (1) of these crashes occurred at night and resulted in an injury.



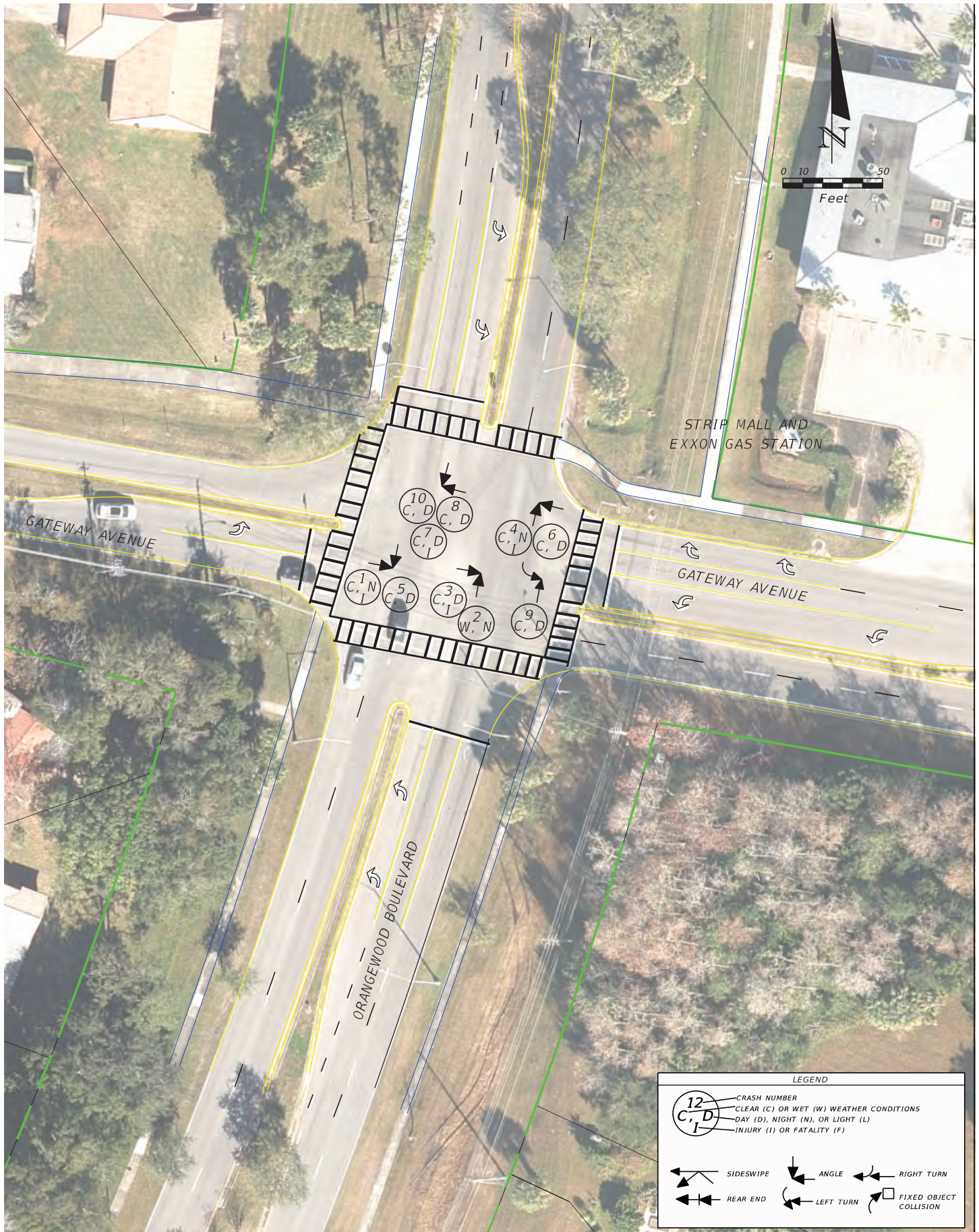
- For two (2) crashes (crashes 2 and 3), an eastbound-thru vehicle on Gateway Avenue and a northbound-thru vehicle on Orangewood Boulevard were traveling through the intersection and one party failed to yield the right of way. Upon impact for one crash, the eastbound vehicle spun clockwise and struck the stop sign in the median on the eastern side of Gateway Avenue. This crash resulted in an injury.

The collision diagram for the intersection of Orangewood Boulevard and Gateway Avenue is shown in **Figure 23**.

**Table 3**  
**Intersection Crashes - Orangewood Boulevard & Gateway Avenue**

State of Florida Department of Transportation													Form 750-020-05k TRAFFIC ENGINEERING September 2020
COLLISION SUMMARY													
General Information													
Section/Roadway ID:		Orangewood Boulevard					State Road:		N/A				
Intersecting Route:		Gateway Avenue					Study Period:		1/1/19		To: 12/31/21		
Milepost:		N/A					Data by:		Morgan Morris				
County:		Orange					Date:		Tuesday, May 24, 2022				
Number	HSMV Report No.	Date	Day	Time	Severity		Property Damage	Crash Type	Day / Night	Wet / Dry	Contributing Cause		
					Fatal	Injury							
1	88135113	5/12/19	Sunday	9:00 PM	0	1	\$6,300	Angle	NIGHT	Dry	Failed to Yield ROW		
2	88235079	10/27/19	Sunday	7:43 PM	0	0	\$3,500	Angle	NIGHT	Wet	Failed to Yield ROW		
3	88237538	11/9/19	Saturday	6:39 PM	0	1	\$14,000	Angle	DAY	Dry	Failed to Yield ROW		
4	88252645	11/16/19	Saturday	7:30 PM	0	1	\$6,500	Angle	NIGHT	Dry	Failed to Yield ROW		
5	88233823	11/26/19	Tuesday	7:00 AM	0	0	\$2,000	Angle	DAY	Dry	Failed to Yield ROW		
6	88399402	11/7/20	Saturday	6:15 PM	0	0	\$8,000	Angle	DAY	Dry	Failed to Yield ROW		
7	88419556	11/20/20	Friday	1:35 PM	0	1	\$24,000	Angle	DAY	Dry	Failed to Yield ROW		
8	88426030	12/22/20	Tuesday	11:47 AM	0	0	\$5,500	Angle	DAY	Dry	Failed to Yield ROW		
9	88579805	9/28/21	Tuesday	4:00 PM	0	0	\$7,000	Left Turn	DAY	Dry	Failed to Yield ROW		
10	89567247	11/7/21	Sunday	6:20 PM	0	0	\$3,000	Angle	DAY	Dry	Failed to Yield ROW		
<b>TOTAL</b>					<b>0</b>	<b>4</b>	<b>\$79,800</b>						
Total No.	Fatal	Injury	PDO	Rear End	Head-on	Angle	Left Turn	Right Turn	Sideswipe	Off Road	Bicycle / Pedestrian	Other	
10	0	4	6	0	0	9	1	0	0	0	0	0	
PERCENT	0%	40%	60%	0%	0%	90%	10%	0%	0%	0%	0%	0%	
Contrib. Cause	Day	Night	PAVEMENT CONDITIONS			Exceeded Speed	DUI	Careless Driving	Improper Lane Change	Failed to Yield ROW	Disregarded Control Devices	Other	
			Wet	Dry	Unknown								
TOTAL	7	3	1	9	0	0	0	0	0	10	0	0	
PERCENT	70%	30%	10%	90%	0%	0%	0%	0%	0%	100%	0%	0%	
Total Vehicles Entering/ADT:							Collision Rate:						







## Orangewood Boulevard & Larissa Street

The intersection of Orangewood Boulevard and Larissa Street is a 2-way stop-controlled intersection. Two (2) reported crashes occurred at this intersection between 2019 and 2021. Both crashes that occurred at this intersection were single-vehicle off-road crashes. The crash summary table for Orangewood Boulevard and Larissa Street is shown in **Table 4**. The following describes the intersection crashes:

- A southbound vehicle on Orangewood Boulevard ran off the road while driving through a left horizontal curve and collided with a light pole, then continued off-road to collide with two trees.
- A southbound vehicle on Orangewood Boulevard attempted a U-turn at the intersection of Larissa Street. The vehicle failed to maintain control and traveled off the roadway into a tree.

The collision diagram for the intersection of Orangewood Boulevard and Larissa Street is shown in **Figure 24**.

**Table 4**  
**Intersection Crashes - Orangewood Boulevard & Larissa Street**

State of Florida Department of Transportation												Form 790-020-05k TRAFFIC ENGINEERING September 2020
COLLISION SUMMARY												
General Information												
Section/Roadway ID:			Orangewood Boulevard				State Road:			N/A		
Intersecting Route:			Larissa Street				Study Period:			1/1/19 To: 12/31/21		
Milepost:			N/A				Data by:			Morgan Morris		
County:			Orange				Date:			Tuesday, May 24, 2022		
Number	HSMV Report No.	Date	Day	Time	Severity		Property Damage	Crash Type	Day / Night	Wet / Dry	Contributing Cause	
					Fatal	Injury						
1	88279728	1/14/20	Tuesday	1:48 PM	0	0	\$8,000	Off Road	DAY	Dry	Exceeded Speed	
2	88560850	8/21/21	Saturday	4:43 PM	0	0	\$4,500	Off Road	DAY	Dry	Careless Driving	
<b>TOTAL</b>					<b>0</b>	<b>0</b>	<b>\$12,500</b>					
Total No.	Fatal	Injury	PDO	Rear End	Head-on	Angle	Left Turn	Right Turn	Sideswipe	Off Road	Bicycle / Pedestrian	Other
2	#REF!	0	2	0	0	0	0	0	0	2	0	0
PERCENT		0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%
Contrib. Cause	Day	Night	PAVEMENT CONDITIONS			Exceeded Speed	DUI	Careless Driving	Improper Lane Change	Failed to Yield ROW	Disregarded Control Devices	Other
			Wet	Dry	Unknown							
TOTAL		2	0	0	2	0	1	0	1	0	0	0
PERCENT		100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%
Total Vehicles Entering/ADT:							Collision Rate:					







### Central Florida Parkway & Orangewood Boulevard

The intersection of Central Florida Parkway and Orangewood Boulevard is a signalized intersection. 39 crashes occurred at this intersection between 2019 and 2021, with 46% of the crashes resulting in an injury. The majority of the crashes were rear-end crashes (54%), followed by left turn (18%), sideswipe (10%), off-road (8%), right turn (5%), and “other” (5%) crash types. There were no pedestrian or bicycle crashes. Night-time crashes were over-represented at 33%, and 13% of crashes occurred during wet road conditions. 59% of the crashes were attributed to careless driving, 21% failure to yield right of way, 8% disregarding the signal, and 10% improper lane change. The crash summary table for Central Florida Parkway and Orangewood Boulevard is shown in **Table 5**. The following trends were identified amongst the 39 intersection crashes:

- For five (5) crashes (crashes 11, 17, 18, 25, and 33), a vehicle traveling westbound on Central Florida Parkway approaching the intersection collided with a stopped vehicle, resulting in rear-end crashes. One (1) of these crashes also involved a third vehicle being impacted by the rear-end crash. One (1) of these crashes resulted in an injury. Two (2) of the crashes occurred in wet road conditions.
- Three (3) similar crashes (crashes 3, 15, and 34) involved a vehicle traveling westbound on Central Florida Parkway approaching the intersection in the right lane, roughly 100 feet from the intersection, colliding with a stopped vehicle, resulting in rear-end crashes. All three (3) of these rear-end crashes involved injuries. One (1) crash occurred at night.
- For nine (9) crashes (crashes 13, 22, 28, 29, 31, 32, 35, 36, and 39), a vehicle traveling eastbound on Central Florida Parkway approaching the intersection collided with a stopped vehicle, resulting in rear-end crashes. Four (4) of these crashes resulted in an injury. Five (5) of the crashes occurred at night.
- For three (3) crashes (crashes 2, 10, and 37) a vehicle was traveling southbound on Orangewood Boulevard attempting a left turn onto Central Florida Parkway eastbound and was struck by a vehicle traveling northbound on Orangewood Boulevard. Two (2) of these crashes resulted in an injury. One (1) of these injury crashes occurred at night.

The collision diagram for the intersection of Central Florida Parkway and Orangewood Boulevard is shown in **Figure 25**.

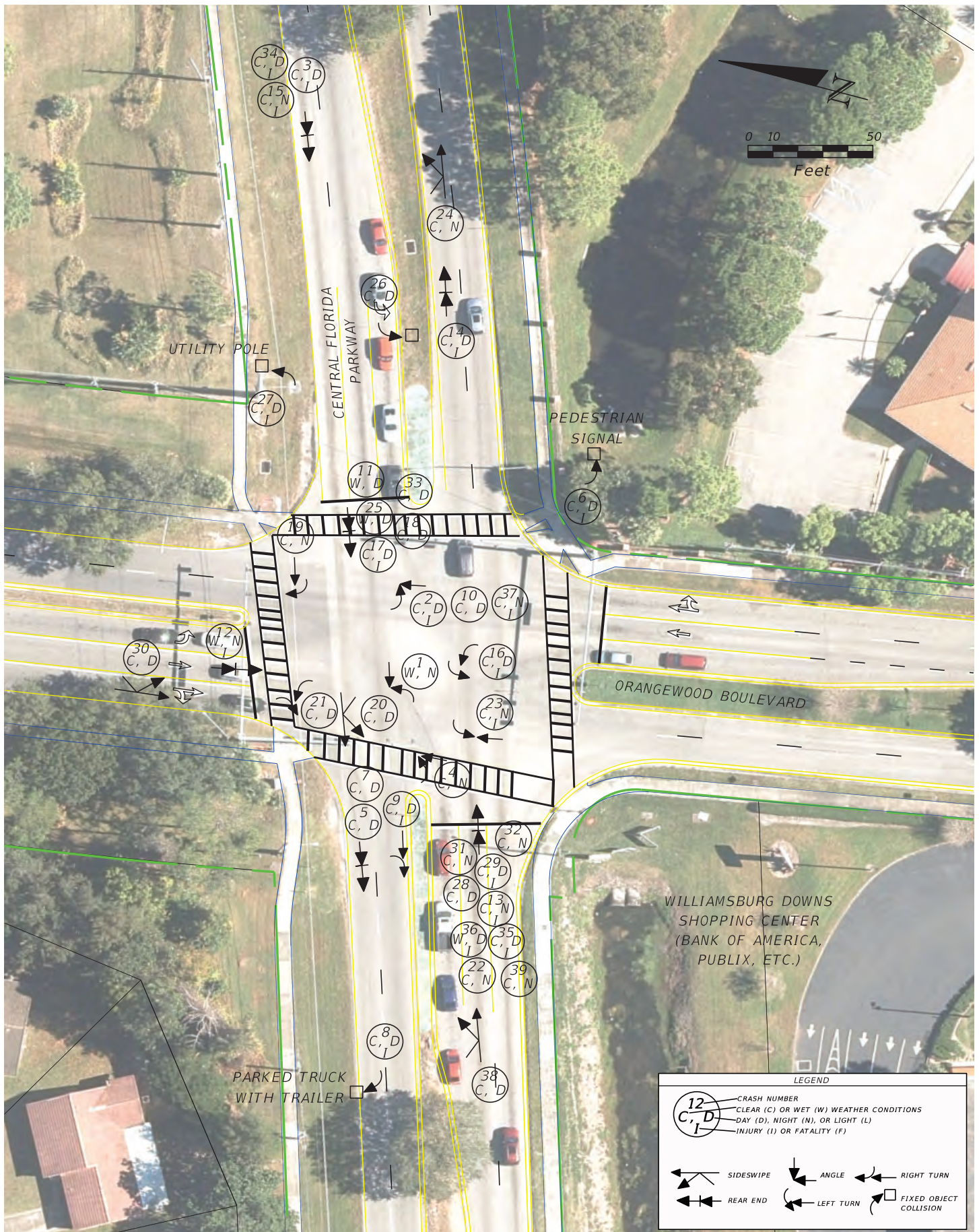
**Table 5**  
**Intersection Crashes - Central Florida Parkway & Orangewood Boulevard**

State of Florida Department of Transportation <b>COLLISION SUMMARY</b>											
General Information											
Section/Roadway ID: <u>Central Florida Parkway</u>				State Road: <u>N/A</u>							
Intersecting Route: <u>Orangewood Boulevard</u>				Study Period: <u>1/1/19</u> To: <u>12/31/21</u>							
Milepost: <u>N/A</u>				Data by: <u>Morgan Morris</u>							
County: <u>Orange</u>				Date: <u>Tuesday, May 24, 2022</u>							
Number	HSMV Report No.	Date	Day	Time	Severity		Property Damage	Crash Type	Day / Night	Wet / Dry	Contributing Cause
					Fatal	Injury					
1	88070712	1/27/19	Sunday	10:17 PM	0	0	\$11,500	Left Turn	NIGHT	Wet	Failed to Yield ROW
2	88089944	2/7/19	Thursday	8:25 AM	0	1	\$8,500	Left Turn	DAY	Dry	Failed to Yield ROW
3	88089889	2/20/19	Wednesday	10:10 AM	0	1	\$1,200	Rear End	DAY	Dry	Careless Driving
4	88060294	2/22/19	Friday	12:30 AM	0	0	\$2,500	Left Turn	NIGHT	Dry	Failed to Yield ROW
5	88099455	3/16/19	Saturday	2:11 PM	0	0	\$3,300	Rear End	DAY	Dry	Careless Driving
6	88106904	3/17/19	Sunday	12:19 PM	0	1	\$23,000	Off Road	DAY	Dry	Other
7	88097559	3/23/19	Saturday	4:00 PM	0	0	\$800	Rear End	DAY	Dry	Careless Driving
8	88110450	4/16/19	Tuesday	10:41 AM	0	1	\$6,700	Other	DAY	Dry	Careless Driving
9	88105210	4/21/19	Sunday	7:37 AM	0	1	\$11,000	Right Turn	DAY	Dry	Disregarded Control Devices
10	88141280	5/13/19	Monday	8:57 AM	0	0	\$22,000	Left Turn	DAY	Dry	Failed to Yield ROW
11	88135271	5/14/19	Tuesday	4:44 PM	0	0	\$2,000	Rear End	DAY	Wet	Careless Driving
12	88161908	6/18/19	Tuesday	11:39 PM	0	1	\$1,500	Rear End	NIGHT	Wet	Careless Driving
13	88161982	7/2/19	Tuesday	10:43 PM	0	1	\$8,000	Rear End	NIGHT	Dry	Careless Driving
14	88149666	7/12/19	Friday	12:18 PM	0	1	\$4,000	Rear End	DAY	Dry	Improper Lane Change
15	88166013	7/19/19	Friday	9:50 PM	0	1	\$4,000	Rear End	NIGHT	Dry	Careless Driving
16	88248476	11/15/19	Friday	3:45 PM	0	1	\$3,000	Other	DAY	Dry	Disregarded Control Devices
17	88250351	12/15/19	Sunday	8:39 AM	0	1	\$13,000	Rear End	DAY	Dry	Careless Driving
18	88283713	1/9/20	Thursday	8:45 AM	0	0	\$500	Rear End	DAY	Dry	Careless Driving
19	88293948	3/10/20	Tuesday	4:25 AM	0	0	\$3,500	Right Turn	NIGHT	Dry	Disregarded Control Devices
20	88354427	5/29/20	Friday	3:50 PM	0	0	\$50	Sideswipe	DAY	Dry	Improper Lane Change
21	88361091	7/16/20	Thursday	10:27 AM	0	0	\$2,000	Left Turn	DAY	Dry	Failed to Yield ROW
22	88379548	8/25/20	Tuesday	10:40 PM	0	0	\$900	Rear End	NIGHT	Dry	Careless Driving
23	88379547	8/25/20	Tuesday	11:20 PM	0	1	\$5,500	Left Turn	NIGHT	Dry	Failed to Yield ROW
24	88387732	9/24/20	Thursday	7:45 PM	0	0	\$1,000	Sideswipe	NIGHT	Dry	Failed to Yield ROW
25	88396516	10/4/20	Sunday	9:00 AM	0	0	\$70	Rear End	DAY	Wet	Careless Driving
26	88404763	10/9/20	Friday	3:00 PM	0	0	\$3,400	Off Road	DAY	Dry	Careless Driving
27	88440386	1/8/21	Friday	3:31 PM	0	1	\$10,000	Off Road	DAY	Dry	Careless Driving
28	88451007	1/18/21	Monday	4:27 PM	0	1	\$5,800	Rear End	DAY	Dry	Careless Driving
29	88466398	3/12/21	Friday	6:25 PM	0	0	\$2,000	Rear End	DAY	Dry	Careless Driving
30	88463161	3/23/21	Tuesday	1:05 PM	0	0	\$1,500	Sideswipe	DAY	Dry	Improper Lane Change



**Table 5 (Continued)**  
**Intersection Crashes - Central Florida Parkway & Orangewood Boulevard**

31	88492375	5/14/21	Friday	6:47 AM	0	0	\$1,800	Rear End	NIGHT	Dry	Careless Driving	
32	88497714	5/14/21	Friday	7:50 PM	0	0	\$5,000	Rear End	NIGHT	Dry	Careless Driving	
33	88514160	5/25/21	Tuesday	6:10 PM	0	0	\$1,100	Rear End	DAY	Dry	Careless Driving	
34	88508825	6/11/21	Friday	1:19 PM	0	1	\$10,000	Rear End	DAY	Dry	Careless Driving	
35	88560190	9/7/21	Tuesday	3:29 PM	0	1	\$22,000	Rear End	DAY	Dry	Careless Driving	
36	88555765	9/9/21	Thursday	12:06 PM	0	1	\$400	Rear End	DAY	Wet	Careless Driving	
37	88576040	9/24/21	Friday	8:00 PM	0	1	\$2,000	Left Turn	NIGHT	Dry	Failed to Yield ROW	
38	89577496	12/13/21	Monday	6:37 PM	0	0	\$800	Sideswipe	DAY	Dry	Improper Lane Change	
39	89581478	12/18/21	Saturday	12:00 AM	0	0	\$300	Rear End	NIGHT	Dry	Careless Driving	
<b>TOTAL</b>					<b>0</b>	<b>18</b>	<b>\$205,620</b>					
Total No.	Fatal	Injury	PDO	Rear End	Head-on	Angle	Left Turn	Right Turn	Sideswipe	Off Road	Bicycle / Pedestrian	Other
39	0	18	21	21	0	0	7	2	4	3	0	2
PERCENT	0%	46%	54%	54%	0%	0%	18%	5%	10%	8%	0%	5%
Contrib. Cause	Day	Night	PAVEMENT CONDITIONS			Exceeded Speed	DUI	Careless Driving	Improper Lane Change	Failed to Yield ROW	Disregarded Control Devices	Other
			Wet	Dry	Unknown							
TOTAL	26	13	5	34	0	0	0	23	4	6	3	1
PERCENT	67%	33%	13%	87%	0%	0%	0%	59%	10%	21%	8%	3%
Total Vehicles Entering/ADT:							Collision Rate:					





### Central Florida Parkway & Gateway Avenue

The intersection of Central Florida Parkway and Gateway Avenue is a signalized intersection. 32 crashes occurred at this intersection between 2019 and 2021, with 41% of the crashes resulting in an injury. The majority of the crashes were rear-end crashes (53%), followed by left turn (22%), “other” (9%), sideswipe (6%), right turn (6%), and angle (3%) crash types. There were no pedestrian or bicycle crashes. Night-time crashes were over-represented at 41%, and 9% of the crashes occurred during wet road conditions. 63% of the crashes were attributed to careless driving, 25% failure to yield the right of way, 9% disregarding the signal, and 3% improper lane change.

The crash summary table for the intersection of Central Florida Parkway and Gateway Avenue is shown in **Table 6**. The following trends were identified amongst the 32 intersection crashes:

- For seven (7) crashes (crashes 2, 3, 10, 13, 21, 22, and 27) a vehicle traveling westbound on Central Florida Parkway approaching the intersection collided with a stopped vehicle, resulting in a rear-end crash. Two (2) of these occasions resulted in injury crashes and five (5) occurred at night.
- For five (5) crashes (crashes 8, 15, 23, 25, and 30) a vehicle traveling southbound on Gateway Avenue turning left onto Central Florida Parkway eastbound collided with a vehicle traveling westbound on Central Florida Parkway through the intersection. One (1) of these crashes resulted in an injury, three (3) occurred at night, and one (1) occurred during wet road conditions.
- For six (6) crashes (crashes 1, 16, 17, 18, 28, and 31) a vehicle traveling eastbound on Central Florida Parkway approaching the intersection collided with a stopped vehicle, resulting in a rear-end crash. Three (3) of these crashes resulted in an injury and two (2) occurred at night.

The collision diagram for the intersection of Central Florida Parkway and Gateway Avenue is shown in **Figure 26**.

**Table 6**  
**Intersection Crashes - Central Florida Parkway & Gateway Avenue**

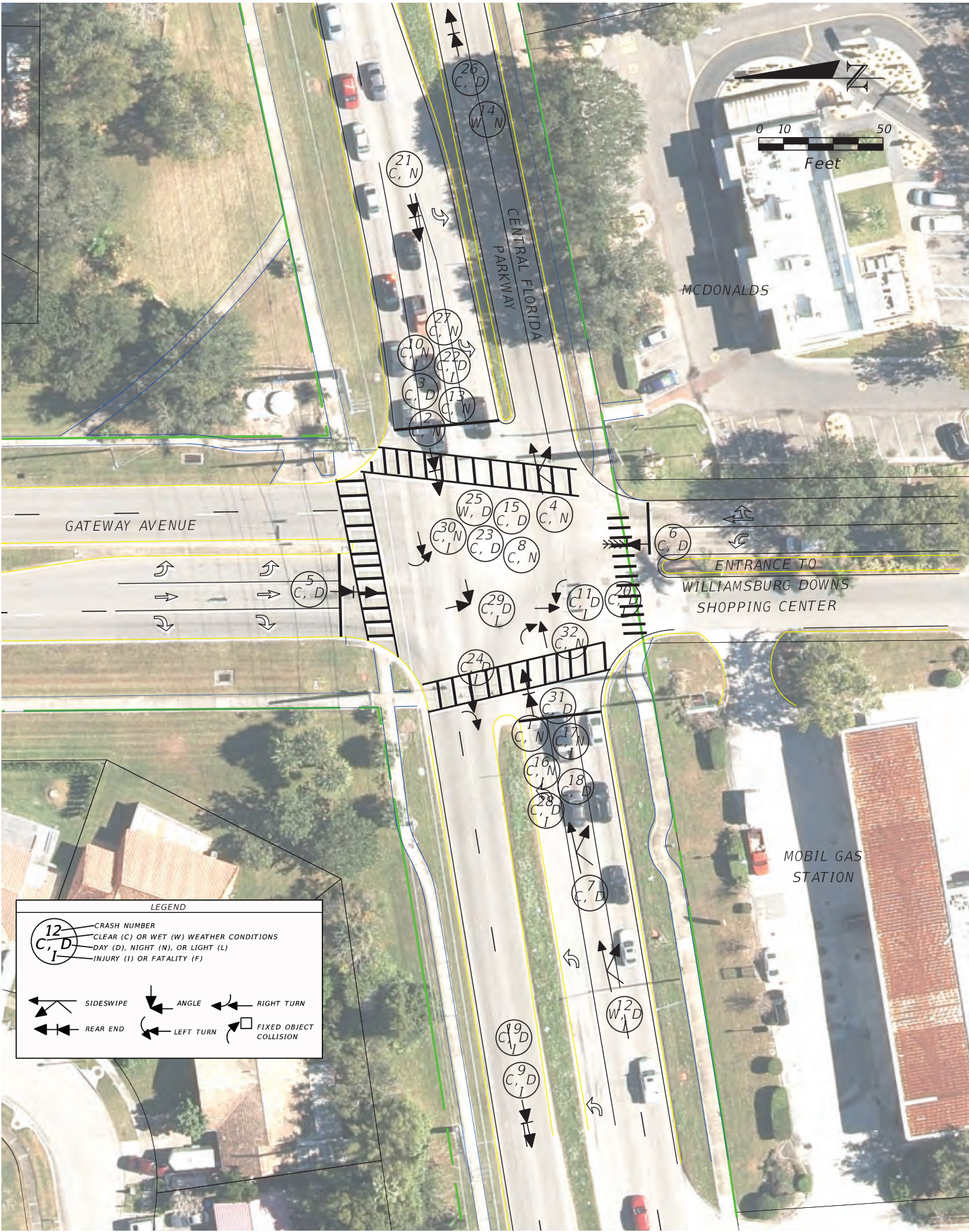
State of Florida Department of Transportation <b>COLLISION SUMMARY</b>											
General Information											
Section/Roadway ID:		Central Florida Parkway				State Road:		N/A			
Intersecting Route:		Gateway Avenue				Study Period:		1/1/19		To: 12/31/21	
Milepost:		N/A				Data by:		Morgan Morris			
County:		Orange				Date:		Tuesday, May 24, 2022			
Number	HSMV Report No.	Date	Day	Time	Severity		Property Damage	Crash Type	Day / Night	Wet / Dry	Contributing Cause
					Fatal	Injury					
1	88070733	2/4/19	Monday	9:50 PM	0	0	\$1,500	Rear End	NIGHT	Dry	Careless Driving
2	88081076	2/5/19	Tuesday	9:49 PM	0	0	\$250	Rear End	NIGHT	Dry	Careless Driving
3	88089885	2/17/19	Sunday	7:29 AM	0	0	\$1,100	Rear End	DAY	Dry	Careless Driving
4	88103021	3/10/19	Sunday	9:52 PM	0	0	\$3,000	Sideswipe	NIGHT	Dry	Careless Driving
5	88101044	3/18/19	Monday	9:32 AM	0	0	\$550	Rear End	DAY	Dry	Careless Driving
6	88134105	4/30/19	Tuesday	3:40 PM	0	0	\$3,500	Other	DAY	Dry	Careless Driving
7	88164888	7/12/19	Friday	2:25 PM	0	0	\$2,100	Other	DAY	Dry	Careless Driving
8	88196057	9/5/19	Thursday	11:20 PM	0	0	\$8,000	Left Turn	NIGHT	Dry	Failed to Yield ROW
9	88211042	10/1/19	Tuesday	12:55 PM	0	1	\$4,000	Rear End	DAY	Dry	Careless Driving
10	88302777	2/21/20	Friday	7:20 PM	0	1	\$1,500	Rear End	NIGHT	Dry	Careless Driving
11	88340886	4/9/20	Thursday	10:37 AM	0	1	\$19,000	Left Turn	DAY	Dry	Disregarded Control Devices
12	88342881	5/24/20	Sunday	6:27 PM	0	1	\$6,000	Sideswipe	DAY	Wet	Failed to Yield ROW
13	88354849	6/18/20	Thursday	10:30 PM	0	0	\$2,000	Rear End	NIGHT	Dry	Careless Driving
14	88311091	7/6/20	Monday	7:34 PM	0	0	\$3,500	Rear End	NIGHT	Wet	Careless Driving
15	88394771	9/10/20	Thursday	9:12 AM	0	0	\$1,300	Left Turn	DAY	Dry	Failed to Yield ROW
16	88404803	10/25/20	Sunday	7:10 PM	0	1	\$700	Rear End	NIGHT	Dry	Careless Driving
17	88425243	12/11/20	Friday	8:30 PM	0	1	\$4,500	Rear End	NIGHT	Dry	Careless Driving
18	88418723	12/31/20	Thursday	10:47 AM	0	0	\$1,000	Rear End	DAY	Dry	Careless Driving
19	88441631	1/3/21	Sunday	7:00 AM	0	1	\$3,500	Rear End	DAY	Dry	Careless Driving
20	88448777	1/19/21	Tuesday	12:50 PM	0	1	\$5,000	Left Turn	DAY	Dry	Failed to Yield ROW
21	88455931	3/11/21	Thursday	9:59 PM	0	0	\$10,000	Rear End	NIGHT	Dry	Careless Driving
22	88466759	3/19/21	Friday	11:45 AM	0	1	\$2,500	Rear End	DAY	Dry	Careless Driving
23	88493459	4/30/21	Friday	2:15 PM	0	0	\$8,000	Left Turn	DAY	Dry	Disregarded Control Devices
24	88506235	5/31/21	Monday	1:40 PM	0	1	\$8,000	Right Turn	DAY	Dry	Failed to Yield ROW
25	88524953	7/3/21	Saturday	1:35 PM	0	0	\$4,000	Left Turn	DAY	Wet	Failed to Yield ROW



**Table 6 (continued)**  
**Intersection Crashes - Central Florida Parkway & Gateway Avenue**

26	88517697	7/11/21	Sunday	2:05 PM	0	0	\$5,000	Other	DAY	Dry	Improper Lane Change	
27	88517699	7/11/21	Sunday	7:10 PM	0	0	\$1,300	Rear End	NIGHT	Dry	Careless Driving	
28	88545139	7/27/21	Tuesday	3:20 PM	0	1	\$1,300	Rear End	DAY	Dry	Careless Driving	
29	88541751	8/14/21	Saturday	4:36 PM	0	1	\$7,000	Angle	DAY	Dry	Disregarded Control Devices	
30	88584808	10/16/21	Saturday	8:57 PM	0	1	\$11,000	Left Turn	NIGHT	Dry	Failed to Yield ROW	
31	89587349	11/30/21	Tuesday	4:27 PM	0	0	\$1,750	Rear End	DAY	Dry	Careless Driving	
32	89571354	12/5/21	Sunday	7:40 PM	0	0	\$2,500	Right Turn	NIGHT	Dry	Failed to Yield ROW	
<b>TOTAL</b>					<b>0</b>	<b>0</b>	<b>\$134,350</b>					
Total No.	Fatal	Injury	PDO	Rear End	Head-on	Angle	Left Turn	Right Turn	Sideswipe	Off Road	Bicycle / Pedestrian	Other
32	0	13	19	17	0	1	7	2	2	0	0	3
PERCENT	0%	41%	59%	53%	0%	3%	22%	6%	6%	0%	0%	9%
Contrib. Cause	Day	Night	PAVEMENT CONDITIONS			Exceeded Speed	DUI	Careless Driving	Improper Lane Change	Failed to Yield ROW	Disregarded Control Devices	Other
			Wet	Dry	Unknown							
TOTAL	19	13	3	29	0	0	0	20	1	8	3	0
PERCENT	59%	41%	9%	91%	0%	0%	0%	63%	3%	25%	9%	0%
Total Vehicles Entering/ADT:							Collision Rate:					







## 4.6.2 Roadway Segment Crashes

Crash data was collected for crashes that occurred along the Orangewood Boulevard and Gateway Avenue corridors for the full three (3) years from 2019 through 2021. Segment crashes were differentiated from intersection crashes and summarized. A segment crash is a non-intersection related crash within the roadway between intersections. Note that crashes for the four (4) key intersections were documented in Section 4.6.1 and are omitted from the intersection tables that follow; however, crashes from other minor intersecting roads are included.

### Orangewood Boulevard Segment Crashes

Segments along Orangewood Boulevard were grouped from SR 528 to Gateway Avenue, from Gateway Avenue to Central Florida Parkway, and from Central Florida Parkway to Stamfield Drive. Within all three (3) segments of Orangewood Boulevard, there were 23 crashes, as shown in **Table 7**. Twelve (12) crashes (52%) resulted in an injury. 39% of the crashes were rear-end crashes, followed by off-road (26%), left turn (22%), and sideswipe, angle, and “other” crash types each representing 4% of the total segment crashes. There were no pedestrian or bicycle crashes. Night-time crashes accounted for 26% of all crashes, and 22% of crashes occurred during wet road conditions. 52% of the crashes were attributed to careless driving, 17% failure to yield the right of way, 9% improper lane change, and 13% disregarding a traffic control device.

**Table 7  
Orangewood Boulevard Segments Crash Summary Table**

State of Florida Department of Transportation												
COLLISION SUMMARY												
General Information												
Section/Roadway ID: <u>Orangewood Boulevard</u>				State Road: <u>N/A</u>								
Intersecting Route: <u>Segments</u>				Study Period: <u>1/1/19</u> To: <u>12/31/21</u>								
Milepost: <u>N/A</u>				Data by: <u>Morgan Morris</u>								
County: <u>Orange</u>				Date: <u>Friday, May 20, 2022</u>								
Number	HSMV Report No.	Date	Day	Time	Severity		Property Damage	Crash Type	Day / Night	Wet / Dry	Contributing Cause	
					Fatal	Injury						
<b>Orangewood Boulevard From SR 528 to Gateway Avenue</b>												
1	88121925	4/24/19	Wednesday	5:21 PM	0	1	\$1,500	Rear End	DAY	Dry	Careless Driving	
2	88066857	6/12/19	Wednesday	4:50 PM	0	1	\$6,000	Rear End	DAY	Wet	Careless Driving	
3	85492325	6/14/19	Friday	6:12 PM	0	0	\$3,000	Rear End	DAY	Wet	Careless Driving	
4	88158437	6/21/19	Friday	6:52 PM	0	1	\$200	Rear End	DAY	Dry	Careless Driving	
5	88117249	12/6/19	Friday	6:56 PM	0	0	\$500	Sideswipe	DAY	Dry	Improper Lane Change	
6	88231837	6/20/20	Saturday	6:30 AM	0	0	\$1,850	Rear End	NIGHT	Dry	Careless Driving	
7	88488146	5/15/21	Saturday	2:03 AM	0	1	\$6,000	Rear End	NIGHT	Dry	Careless Driving	
8	88517680	6/30/21	Wednesday	8:50 PM	0	1	\$170	Rear End	NIGHT	Dry	Careless Driving	
9	88539262	7/31/21	Saturday	12:00 PM	0	0	\$300	Rear End	DAY	Dry	Careless Driving	
10	88480346	11/20/21	Saturday	8:06 AM	0	0	\$3,000	Off Road	DAY	Wet	Careless Driving	
<b>Orangewood Boulevard From Gateway Avenue to Central Florida Parkway</b>												
11	88135264	5/13/19	Monday	3:08 PM	0	1	\$4,500	Left Turn	DAY	Wet	Failed to Yield ROW	
12	88279746	1/21/20	Tuesday	9:08 AM	0	1	\$4,000	Left Turn	DAY	Dry	Failed to Yield ROW	
13	88276721	2/7/20	Friday	12:40 PM	0	0	\$4,500	Rear End	Day	Dry	Failed to Yield ROW	
14	88339801	4/25/20	Saturday	2:41 PM	0	0	\$4,000	Left Turn	DAY	Dry	Failed to Yield ROW	
15	88433201	12/12/20	Saturday	6:54 PM	0	1	\$3,000	Angle	DAY	Dry	Disregarded Control Devices	
16	88559022	9/13/21	Monday	5:00 PM	0	1	\$5,000	Off Road	DAY	Dry	Other	
17	88580760	10/28/21	Thursday	6:00 AM	0	0	\$2,000	Other	NIGHT	Dry	Improper Lane Change	
<b>Orangewood Boulevard From Central Florida Parkway to Stamfield Drive</b>												
18	88117072	3/28/19	Thursday	2:40 PM	0	0	\$4,000	Left Turn	DAY	Dry	Disregarded Control Devices	
19	88132903	6/10/19	Monday	8:12 AM	0	0	\$6,000	Left Turn	DAY	Dry	Disregarded Control Devices	
20	88315357	6/11/20	Thursday	4:10 PM	0	0	\$2,200	Off Road	DAY	Wet	Careless Driving	
21	88464710	2/21/21	Sunday	12:35 AM	0	1	\$5,000	Off Road	NIGHT	Dry	Careless Driving	
22	88467326	3/6/21	Saturday	8:10 AM	0	1	\$10,500	Off Road	DAY	Dry	Other	
23	88536482	7/11/21	Sunday	8:53 PM	0	1	\$6,000	Off Road	NIGHT	Dry	Careless Driving	
<b>TOTAL</b>					<b>0</b>	<b>12</b>	<b>\$83,220</b>					
Total No.	Fatal	Injury	PDO	Rear End	Head-on	Angle	Left Turn	Right Turn	Sideswipe	Off Road	Bicycle / Pedestrian	Other
23	0	12	11	9	0	1	5	0	1	6	0	1
PERCENT	0%	52%	48%	39%	0%	4%	22%	0%	4%	26%	0%	4%
Contrib. Cause	Day	Night	PAVEMENT CONDITIONS			Exceeded Speed	DUI	Careless Driving	Improper Lane Change	Failed to Yield ROW	Disregarded Control Devices	Other
TOTAL	17	6	5	18	0	0	0	12	2	4	3	2
PERCENT	74%	26%	22%	78%	0%	0%	0%	52%	9%	17%	13%	9%
Total Vehicles Entering/ADT:							Collision Rate:					



## Gateway Avenue Segment Crashes

Gateway Avenue was grouped into two (2) segments from Gifford Boulevard to Orangewood Boulevard and from Orangewood Boulevard to Central Florida Parkway. Within both segments of Gateway Avenue, there were eight (8) total crashes, with three (3) occurring in the segment between Gifford Boulevard and Orangewood Boulevard and five (5) occurring between Orangewood Boulevard and Central Florida Parkway, as shown in **Table 8**. Three (3) of the crashes (38%) resulted in an injury. Three of the crashes (38%) were off-road crashes, and there was one (1) left turn crash, one (1) sideswipe, and one (1) rear-end crash. Two (2) crashes were classified as “other”. There were no pedestrian or bicycle crashes. Night-time crashes accounted for 50% of all crashes, and 25% of crashes occurred during wet road conditions.

**Table 8  
Gateway Avenue Segments Crash Summary Table**

State of Florida Department of Transportation <b>COLLISION SUMMARY</b>												
General Information												
Section/Roadway ID:		Gateway Avenue				State Road:		N/A				
Intersecting Route:		Segments				Study Period:		1/1/19		To: 12/31/21		
Milepost:		N/A				Data by:		Morgan Morris				
County:		Orange				Date:		Friday, May 20, 2022				
Number	HSMV Report No.	Date	Day	Time	Severity		Property Damage	Crash Type	Day / Night	Wet / Dry	Contributing Cause	
					Fatal	Injury						
<b>Gateway Avenue from Gifford Boulevard to Orangewood Boulevard</b>												
1	88064911	1/12/19	Saturday	3:11 AM	0	0	\$4,000	Off Road	NIGHT	Dry	Other	
2	87188065	6/1/19	Saturday	10:30 AM	0	0	\$1,050	Other	DAY	Dry	Failed to Yield ROW	
3	88376524	10/10/20	Saturday	9:15 AM	0	1	\$5,000	Off Road	DAY	Dry	Other	
<b>Gateway Avenue from Orangewood Boulevard to Central Florida Parkway</b>												
4	88106003	3/30/19	Saturday	4:51 AM	0	0	\$4,000	Off Road	NIGHT	Dry	Careless Driving	
5	88135273	5/14/19	Tuesday	7:50 PM	0	1	\$8,000	Left Turn	NIGHT	Wet	Failed to Yield ROW	
6	88189025	8/14/19	Wednesday	6:00 PM	0	0	\$2,000	Sideswipe	DAY	Dry	Careless Driving	
7	88270432	12/28/19	Saturday	7:05 PM	0	0	\$1,000	Rear End	NIGHT	Wet	Careless Driving	
8	88534199	8/16/21	Monday	8:15 AM	0	1	\$12,000	Other	DAY	Dry	Improper Lane Change	
<b>TOTAL</b>					<b>0</b>	<b>3</b>	<b>\$ 33,050</b>					
Total No.	Fatal	Injury	PDO	Rear End	Head-on	Angle	Left Turn	Right Turn	Sideswipe	Off Road	Bicycle / Pedestrian	Other
8	0	3	5	1	0	0	1	0	1	3	0	2
PERCENT	0%	38%	63%	13%	0%	0%	13%	0%	13%	38%	0%	25%
Contrib. Cause	Day	Night	PAVEMENT CONDITIONS			Exceeded Speed	DUI	Careless Driving	Improper Lane Change	Failed to Yield ROW	Disregarded Control Devices	Other
			Wet	Dry	Unknown							
TOTAL	4	4	2	6	0	0	0	3	1	2	0	2
PERCENT	50%	50%	25%	75%	0%	0%	0%	38%	13%	25%	0%	25%
Total Vehicles Entering/ADT:							Collision Rate:					

Three (3) crashes (38%) were attributed to careless driving, two (2) occurred due to failure to yield the right of way, one (1) crash was caused by an improper lane change, and two (2) crashes were described as having “other” contributing causes.

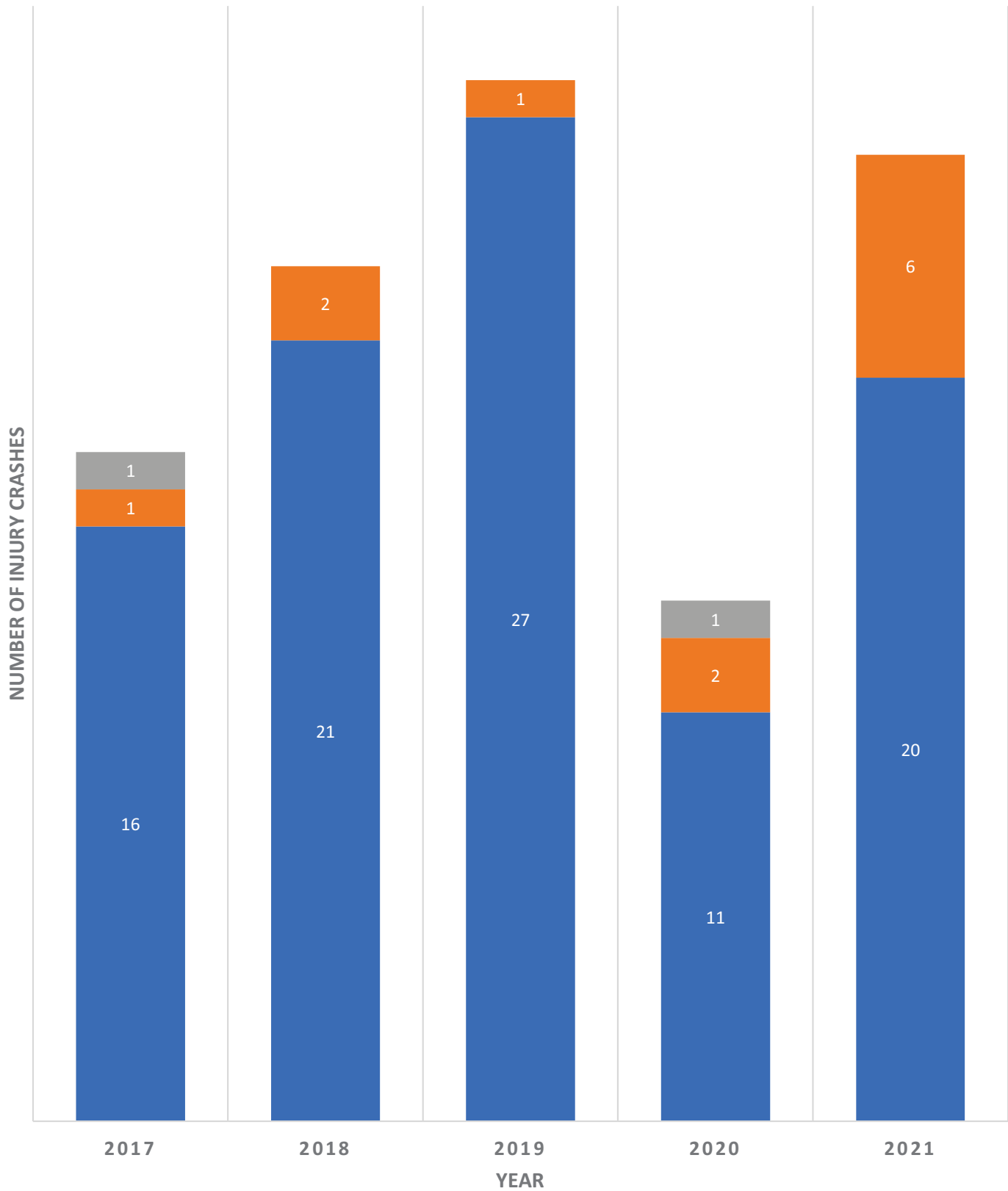
#### **4.6.3 Fatal & Severe Injury Crashes**

Between January 1, 2017, and December 31, 2021, there were 14 recorded fatal and severe (incapacitating) injury crashes within the study area. Of those crashes, two (2) were fatal crashes and twelve (12) were severely injured crashes. Eleven (11) of the crashes occurred during the daytime and three (3) occurred at night. One (1) crash occurred on wet pavement. One (1) pedestrian crash resulted in a fatality.

**Figure 27** presents all injury crashes from 2017 to 2021. Overall, Williamsburg study area crashes with injuries are trending upward. The year 2021 had the most severe injury crashes, with six (6), followed by two (2) severe injury crashes in 2020 and 2018 and one (1) in 2019 and 2017. The most total injury crashes (severe and other injuries) also occurred in 2021. The fatal crashes occurred in 2017 and 2020.



■ Non-Severe Injury Crash ■ Severe Injury Crash ■ Fatal Injury Crash



The most common fatal and severe injury crash type was off-road. The most common contributing cause was careless driving. Crash summaries for fatal and severely injured crashes are presented in **Table 9**.

**Table 9  
Fatal & Severe Injury Crash Summary**

State of Florida Department of Transportation												Form 750-020-05b TRAFFIC ENGINEERING September 2020	
COLLISION SUMMARY													
General Information													
Section/Roadway ID:		Fatal and Severe Injury Crashes in the Williamsburg Area						State Road:		N/A			
Intersecting Route:		Williamsburg Area						Study Period:		1/1/17		To: 12/31/21	
Milepost:		N/A						Data by:		Morgan Morris			
County:		Orange						Date:		Friday, May 20, 2022			
Number	HSMV Report No.	Date	Day	Time	Severity		Property Damage	Crash Type	Day / Night	Wet / Dry	Contributing Cause		
					Fatal	Injury							
1	85464220	2/10/17	Friday	8:40 AM	1	0	\$0	Bicycle / Pedestrian	DAY	Dry	Failed to Yield ROW		
2	85486327	2/25/17	Saturday	4:16 PM	0	1	\$11,500	Other	DAY	Dry	Careless Driving		
3	87180328	4/5/18	Thursday	9:30 AM	0	1	\$1,100	Rear End	DAY	Dry	Careless Driving		
4	87225386	5/18/18	Friday	10:29 AM	0	1	\$5,000	Off Road	DAY	Dry	Careless Driving		
5	88105210	4/21/19	Sunday	7:37 AM	0	1	\$11,000	Right Turn	DAY	Dry	Disregarded Control Devices		
6	88365769	7/9/20	Thursday	10:08 AM	0	1	\$8,500	Other	DAY	Dry	Disregarded Control Devices		
7	88380636	8/13/20	Thursday	7:30 PM	0	1	\$14,500	Left Turn	NIGHT	Dry	Failed to Yield ROW		
8	88388498	9/18/20	Friday	5:00 PM	1	0	\$8,000	Off Road	DAY	Dry	Careless Driving		
9	88464710	2/21/21	Sunday	12:35 AM	0	1	\$5,000	Off Road	NIGHT	Dry	Careless Driving		
10	88467326	3/6/21	Saturday	8:10 AM	0	1	\$10,500	Off Road	DAY	Dry	Other		
11	88536482	7/11/21	Sunday	8:53 PM	0	1	\$6,000	Off Road	NIGHT	Dry	Careless Driving		
12	88560190	9/7/21	Tuesday	3:29 PM	0	1	\$22,000	Rear End	DAY	Dry	Careless Driving		
13	88555765	9/9/21	Thursday	12:06 PM	0	1	\$400	Rear End	DAY	Wet	Careless Driving		
14	88578762	10/18/21	Monday	4:25 PM	0	1	\$3,700	Rear End	DAY	Dry	Careless Driving		
<b>TOTAL</b>					<b>2</b>	<b>12</b>	<b>\$107,200</b>						
Total No.	Fatal	Injury	PDO	Rear End	Head-on	Angle	Left Turn	Right Turn	Sideswipe	Off Road	Bicycle / Pedestrian	Other	
14	2	12	0	4	0	0	1	1	0	5	1	2	
PERCENT	14%	86%	0%	29%	0%	0%	7%	7%	0%	36%	7%	14%	
Contrib. Cause	Day	Night	PAVEMENT CONDITIONS			Exceeded Speed	DUI	Careless Driving	Improper Lane Change	Failed to Yield ROW	Disregarded Control Devices	Other	
			Wet	Dry	Unknown								
TOTAL	11	3	1	13	0	0	0	9	0	2	2	1	
PERCENT	79%	21%	7%	93%	0%	0%	0%	64%	0%	14%	14%	7%	
Total Vehicles Entering/ADT:							Collision Rate:						



The first fatal crash (crash 1), a pedestrian crash, occurred at Gateway Avenue in the marked crosswalk crossing the eastern leg of the T-intersection, Williamsport Avenue. A vehicle traveling southbound on Gateway Avenue attempted to turn left onto Williamsport Avenue while the sun temporarily blinded the driver, causing the vehicle to strike a pedestrian. The second fatal crash (crash 8) occurred on Mason Dixon Circle when a vehicle traveled off-road and struck another vehicle in a driveway and continued to strike a light pole and then a tree. The driver of the vehicle expired due to head trauma.

Four (4) more off-road crashes (crashes 4, 9, 10, and 11) resulted in severe injuries. Three (3) of these crashes occurred while a vehicle was traveling on Orangewood Boulevard and struck a fixed object, including a tree, concrete wall, light pole, or utility pole.

There were also four (4) rear-end crashes (crashes 3, 12, 13, and 14) that resulted in severe injuries, which all occurred on Central Florida Parkway. Two (2) of these rear-end crashes occurred on the eastbound approach to the intersection of Central Florida Parkway and Orangewood Boulevard and two (2) on the westbound approach. One (1) of these crashes occurred on the westbound approach to the intersection of Gateway Avenue and involved three (3) vehicles. All the rear-end crashes were due to careless driving.

One (1) crash (crash 6) that resulted in a serious injury occurred when a vehicle was attempting to turn left out of Norman H. Cutson Drive and ran the stop sign. The vehicle drove into the path of a northbound vehicle on Orangewood Boulevard, causing the northbound vehicle to run into the median and strike a tree. A similar crash (crash 5) occurred at the intersection of Orangewood Boulevard and Central Florida Parkway when a vehicle turning right from Orangewood Boulevard southbound ran into the path of a vehicle traveling through the intersection going westbound on Central Florida Parkway. The right-turning vehicle struck the through vehicle, causing the through vehicle to run into the median and the right-turning vehicle to over-correct and strike a utility pole.

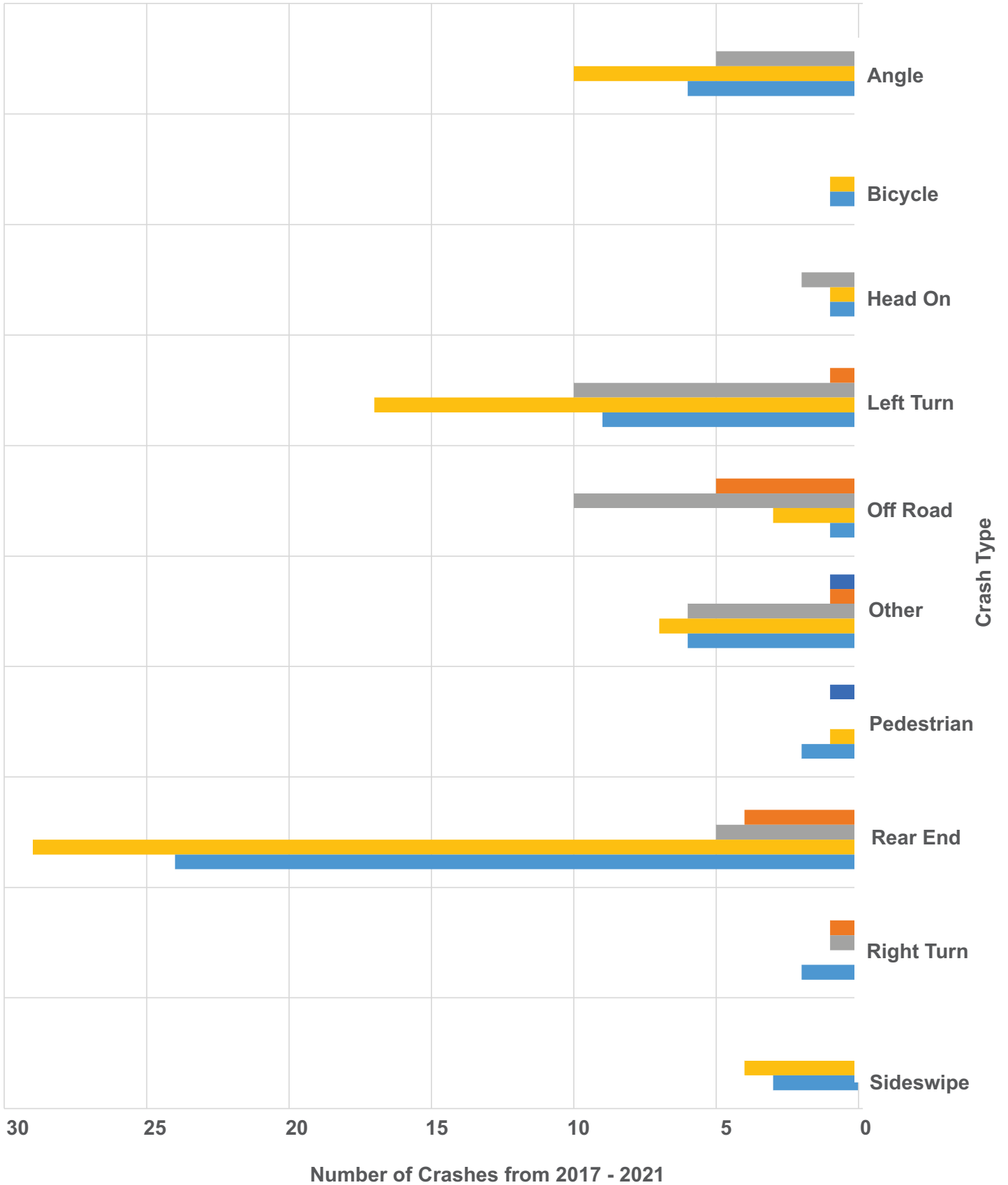
One (1) left turn crash (crash 7) involved a motorcyclist and a vehicle at Leewind Way and Central Florida Boulevard. A vehicle exiting Leewind Way failed to yield to the motorcyclist, causing a collision and running both parties off the road.

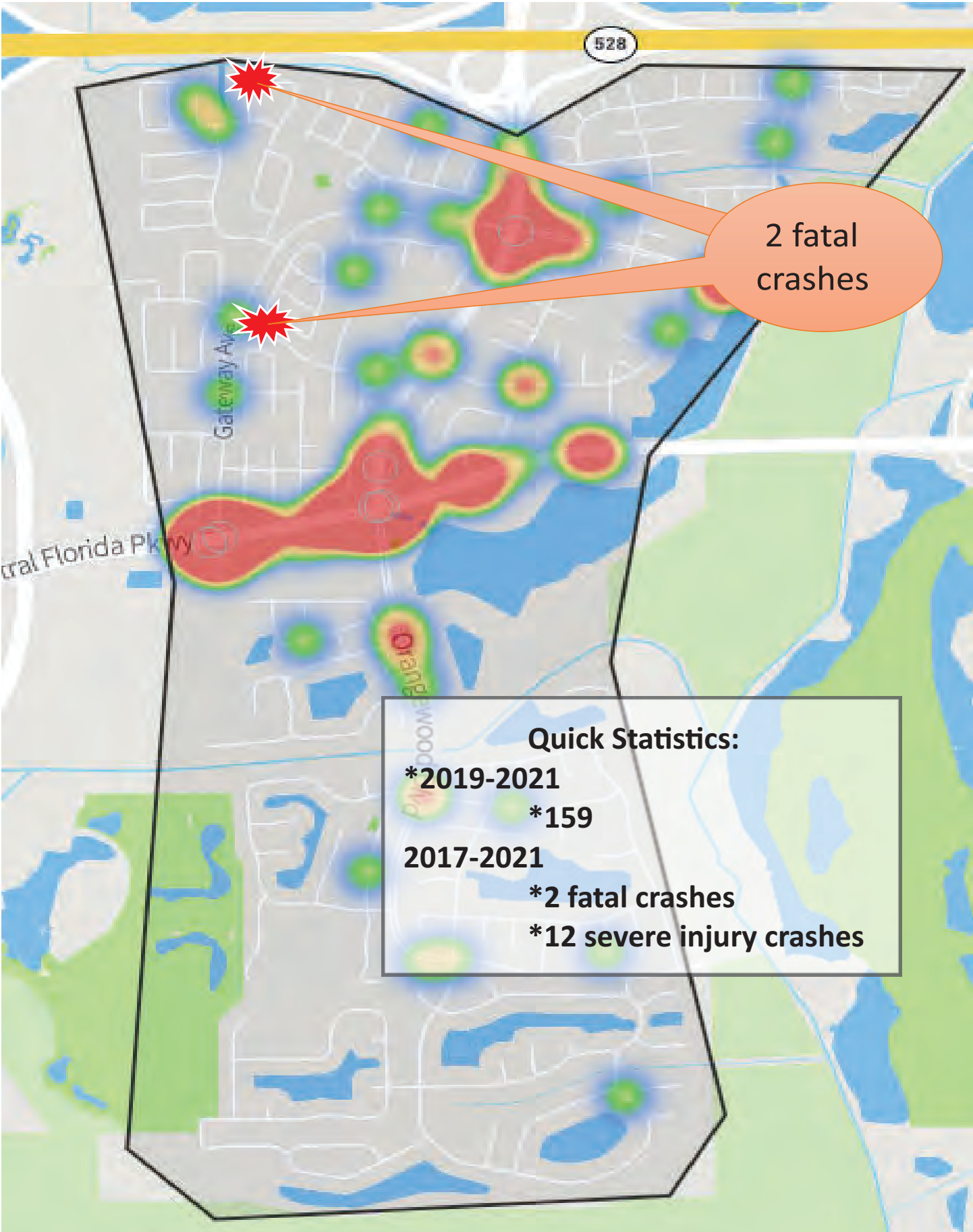
One (1) crash (crash 2) occurred on Orangewood Boulevard when a vehicle was traveling southbound approaching the intersection of Central Florida Boulevard. The vehicle failed to maintain their lane and ran off the road, colliding with a tree and then a utility pole.

**Figure 28** presents a summary of the crash severity by crash types and **Figure 29** illustrates the location of fatal and severe injury crashes.



■ No Injury Crashes   
 ■ Possible Injury Crashes   
 ■ Non-Incapacitating Injury Crashes   
 ■ Incapacitating Injury Crashes   
 ■ Fatal Crashes







#### **4.6.4 Speed-Related Crashes**

There were two (2) crashes related to excessive speeding. One (1) occurred on Orangewood Boulevard near Larissa Street. The driver was traveling at 70 mph where the posted speed limit is 45 mph. The driver lost control of the vehicle and traveled off-road, into a light pole and then two trees. In the area that the crash occurred, the 85th percentile speed is 50 mph, 5 mph above the posted speed limit. The second speeding related crash occurred on Mason Dixon Circle. The driver was traveling at an estimated speed of 53 mph where the posted speed limit is 25 mph. The driver traveled off the road and into a light utility pole, resulting in fatality.

Speed studies were conducted for the project area. The highest speeds were found on Orangewood Boulevard near Larissa Street, with both northbound and southbound directions having a maximum speed around 85 mph. The 85th percentile speed for the speed study located at Orangewood Boulevard near Larissa Street was 50 mph, both northbound and southbound. The highest speed for the entire project area was found traveling northbound on Gateway Avenue, at 94 mph.

#### **4.6.5 Crash Analysis Summary**

In summary, the crash data analysis was conducted for the Williamsburg Area Transportation Study to identify common crash types, patterns, contributing causes, and to determine any correlation to the speeding issues identified by Williamsburg residents. Some conclusions from the analysis follow:

- Crashes for the major signalized intersections within the study area, Central Florida Parkway at Orangewood Boulevard and Central Florida Parkway at Gateway Avenue, are primarily rear-end crashes. This is common for signalized intersections with congested conditions.
- The intersection of Central Florida Parkway at Gateway Avenue also displays a pattern of southbound left turn crashes. Currently, the left turn signal phasing for the northbound and southbound approaches to this intersection is permissive left turn phasing.
- The all-way stop-controlled intersection of Orangewood Boulevard at Gateway Avenue experienced all right-angle crashes, nine (9), other than one (1) left turn crash over the three-year period. This is likely because the intersection has multiple lanes on each

approach, which creates driver confusion as to which vehicle has the right of way to proceed through the intersection. This intersection is planned to be signalized, which is expected to result in a decrease in right angle crashes from current conditions.

- Both crashes at the intersection of Orangewood Boulevard and Larissa Street were single-vehicle off-road crashes where the vehicle hit trees. One (1) of which was a severe injury crash related to speeding.
- Night-time crashes were over-represented at the intersections of at Central Florida Parkway at Orangewood Boulevard (33%) and Central Florida Parkway at Gateway Avenue (41%), as well as Gateway Avenue segment crashes (50%).
- While these speed studies indicate that speeding is occurring within the study area, only two (2) crash reports indicated estimated speeds in excess of the posted speed or noted speeding as a contributing cause.
- There was one (1) pedestrian crash within the study area and zero (0) bicycle crashes. The pedestrian crash, which occurred in 2017 at the intersection of Gateway Avenue and Williamsport Avenue, resulted in a fatality where the pedestrian was hit crossing Williamsport Avenue within a marked crosswalk.
- The second fatal crash within the study area was an off-road crash that occurred on Mason Dixon Circle in 2020.
- Crash severity within Williamsburg is steadily trending upward. The highest number of total injury crashes (32), as well as the highest number of severe injury crashes (6) occurred in 2021.



## 5.0 COMMUNITY MEETINGS AND FEEDBACK

A total of three (3) Community Meetings were held with the residents of Williamsburg and Orange County staff, along with the Consulting team. The kick-off meeting was held in May 2022, which was an introduction to the project and the scope of work to be performed.

The second meeting was held on August 17, 2022 in which the following items were presented:

- Study Area & Objectives
- Data Collection & Existing Conditions Analysis
- Crash Data Analysis
- Cut-Through Traffic Patterns
- Network Operational Results
- Speed Study Results

Copies of the PowerPoint presentation, sign-in sheets, speaker cards and comment sheets for the Community Meeting No. 2 are provided in **Appendix K**.

The third and last meeting was held on May 31, 2023 in which the following items were presented:

- Status of Traffic Signal at Orangewood Boulevard & Gateway Avenue
- Recommendations for Northwest Quadrant
- Recommendations for Northeast Quadrant
- Recommendations for South Quadrant

Copies of the PowerPoint presentation, sign-in sheets, speaker cards and comment sheets/emails responses for the Community Meeting No. 3 are provided in **Appendix L**.

## 6.0 RECOMMENDATIONS & IMPROVEMENTS

Based on the finding detailed in the previous sections of this report, and based on the feedback received from the Williamsburg residents, Traffic & Mobility Consultants LLC (TMC) prepared a detailed list of recommendations for each of the sub-study areas identified for the Williamsburg Area described as follows:

- The Northwest (NW) Quadrant – previously identified as the area along Gateway Avenue, between Central Florida Parkway and Orangewood Boulevard.
- The Northeast (NE) Quadrant – previously identified as the area along Gateway Avenue, east of Orangewood Boulevard, and along Lazy Lake, between Central Florida Parkway and Orangewood Boulevard.
- The South Quadrant – previously identified as the area located along Orangewood Boulevard, south of Central Florida Parkway.
- The intersection of Central Florida Parkway and Orangewood Boulevard.
- The intersection of Central Florida Parkway and Gateway Avenue.

The timeframe of the recommendations is identified as follows:

- Short-Term Recommendations – Improvements recommended for implementation within 4 to 6 months from the date of the final approval of the transportation study by the Orange County Board of County Commissioners.
- Mid-Term Recommendations – Improvements recommended for implementation within 1 to 2 years from the date of the final approval of the transportation study by the Orange County Board of County Commissioners.
- Long-Term Recommendations – Improvements recommended for implementation within 4 to 5 years from the date of the final approval of the transportation study by the Orange County Board of County Commissioners.

Detailed descriptions of all recommended improvements are provided in the following sections.



## 6.1 Short-Term Recommendations – NW Quadrant

The short-term recommendations for the NW quadrant are listed below:

- Reduce the posted speed limit along Gateway Avenue, from Central Florida Parkway to Orangewood Boulevard, to 25 mph.
- Install new speed limit signs with 25 mph along Gateway Avenue.
- Install in-lane pavement markings along Gateway Avenue showing the posted speed limit of 25 mph.
- Install “NO THROUGH TRUCK – LOCAL DELIVERY ONLY” on both ends of Gateway Avenue. This will limit the heavy truck traffic through the neighborhood to local delivery trucks only.
- Trim existing trees along Gateway Avenue to improve sign distance clearance.

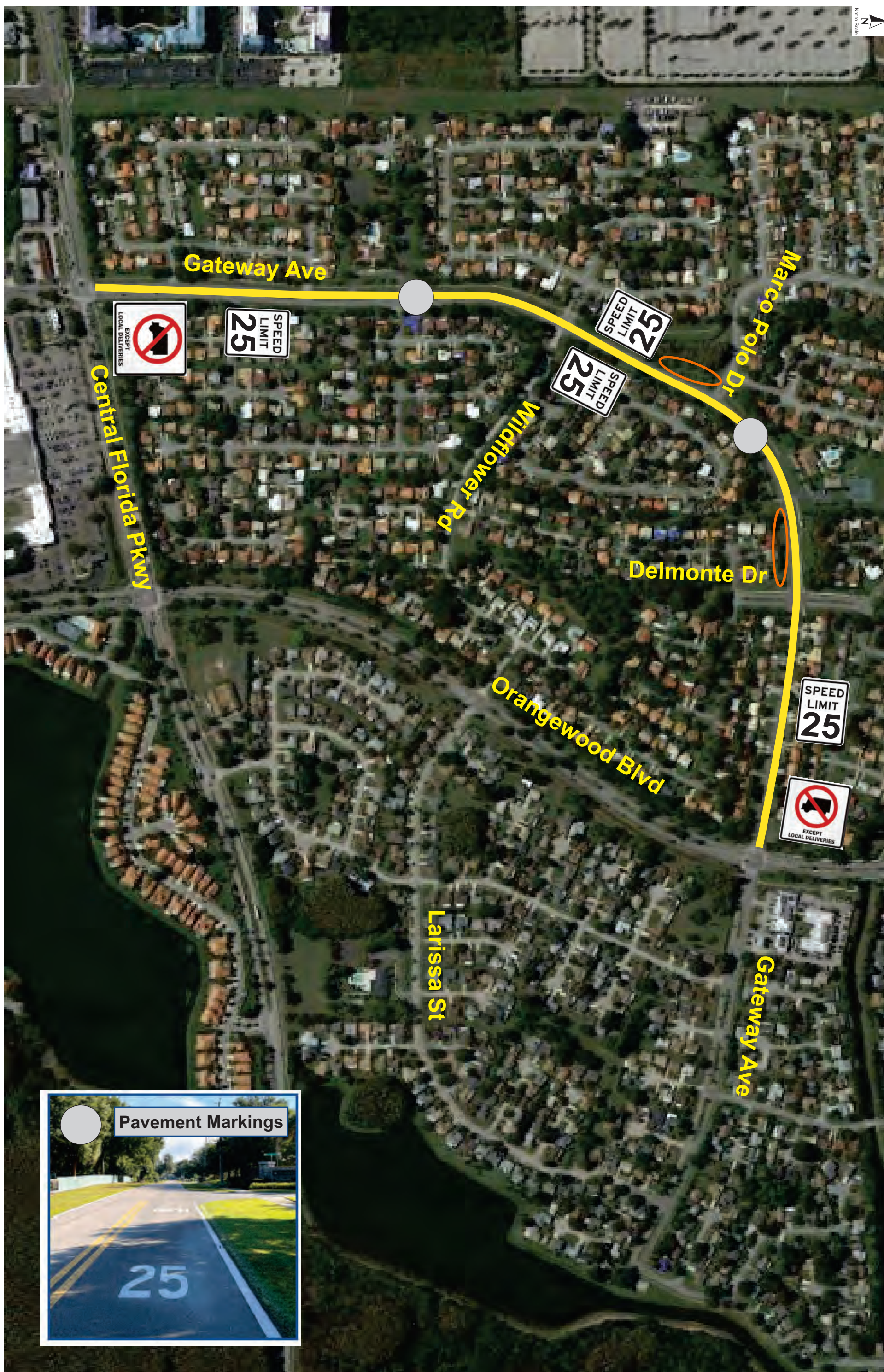
The above-listed recommendations are provided in **Figure 30**.

## 6.2 Mid-Term Recommendations – NW Quadrant

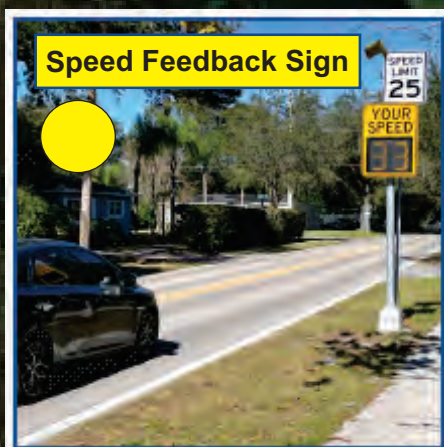
The mid-term recommendations for the NW quadrant are listed below:

- Install speed advisory signs along Gateway Avenue.

The above-listed recommendations are provided in **Figure 31**.







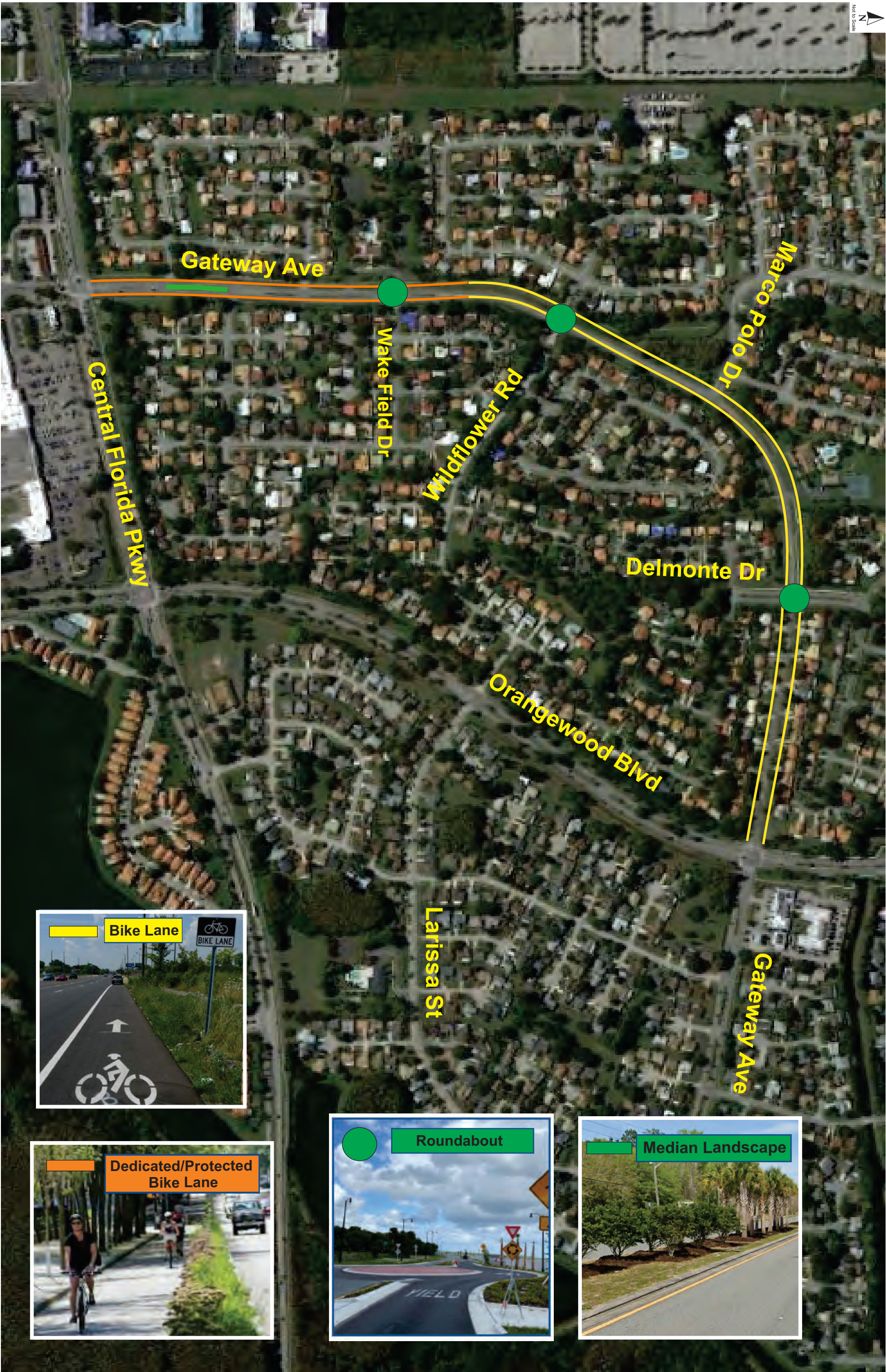
### 6.3 Long-Term Recommendations – NW Quadrant

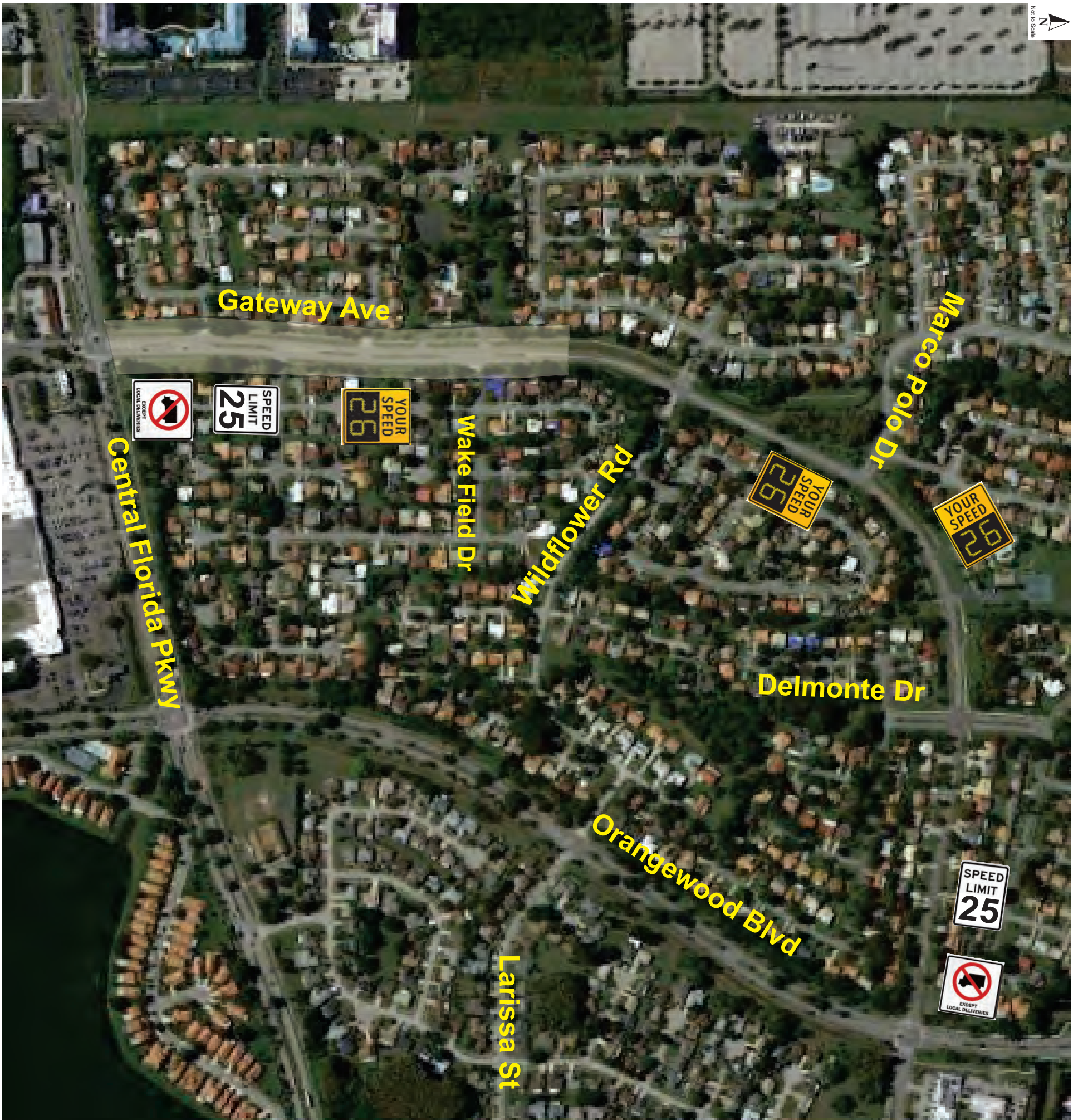
The long-term recommendations for the NW quadrant are listed below:

- Install mini-roundabouts along Gateway Avenue at the following intersecting roadways:
  - Wake Field Drive
  - Wildflower Road
  - Delmonte Drive
- Convert outside lanes along Gateway Avenue, from Central Florida Parkway to north of Wake Field Drive, to protected bike lanes.
- Construct dedicated 5-foot bike lanes on both sides of Gateway Avenue, from north of Wake Field Drive to Orangewood Boulevard. It should be noted that the segment of Gateway Avenue, from Delmonte Drive to Orangewood Boulevard, includes residential homes with driveways directly on Gateway Avenue. The current roadway width is 30 feet, and the existing Right-of-Way (ROW) for Gateway Avenue is 100 feet; therefore, there is sufficient ROW to add the 5-foot bike lanes on both sides of the road with minimal impact to the drainage swales; however, adding the bike lanes will impact all the mail boxes for the homes along this section of the road so a total of 26 mail boxes will have to be relocated to accommodate the new bike lanes.

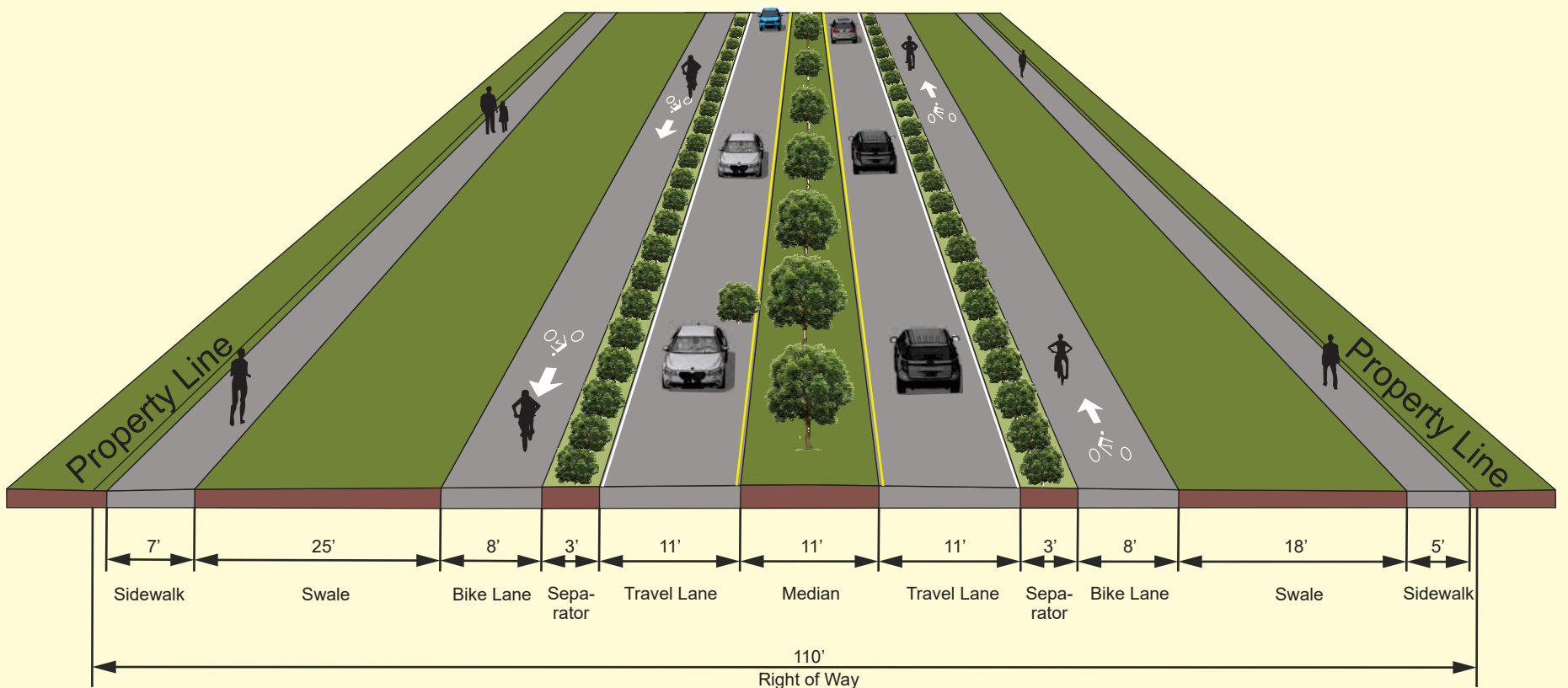
The above-listed recommendations are provided in **Figure 32**. Furthermore, **Figure 33** presents a cross-section of the proposed roadway layout for Gateway Avenue, from Central Florida Parkway to 200 feet north of Wake Field Drive. **Figure 34** presents a cross-section of Gateway Avenue, from 200 north of Wake Field Drive to Orangewood Boulevard. The estimated cost for the recommended improvements for the NW quadrant is presented in **Table 10**.



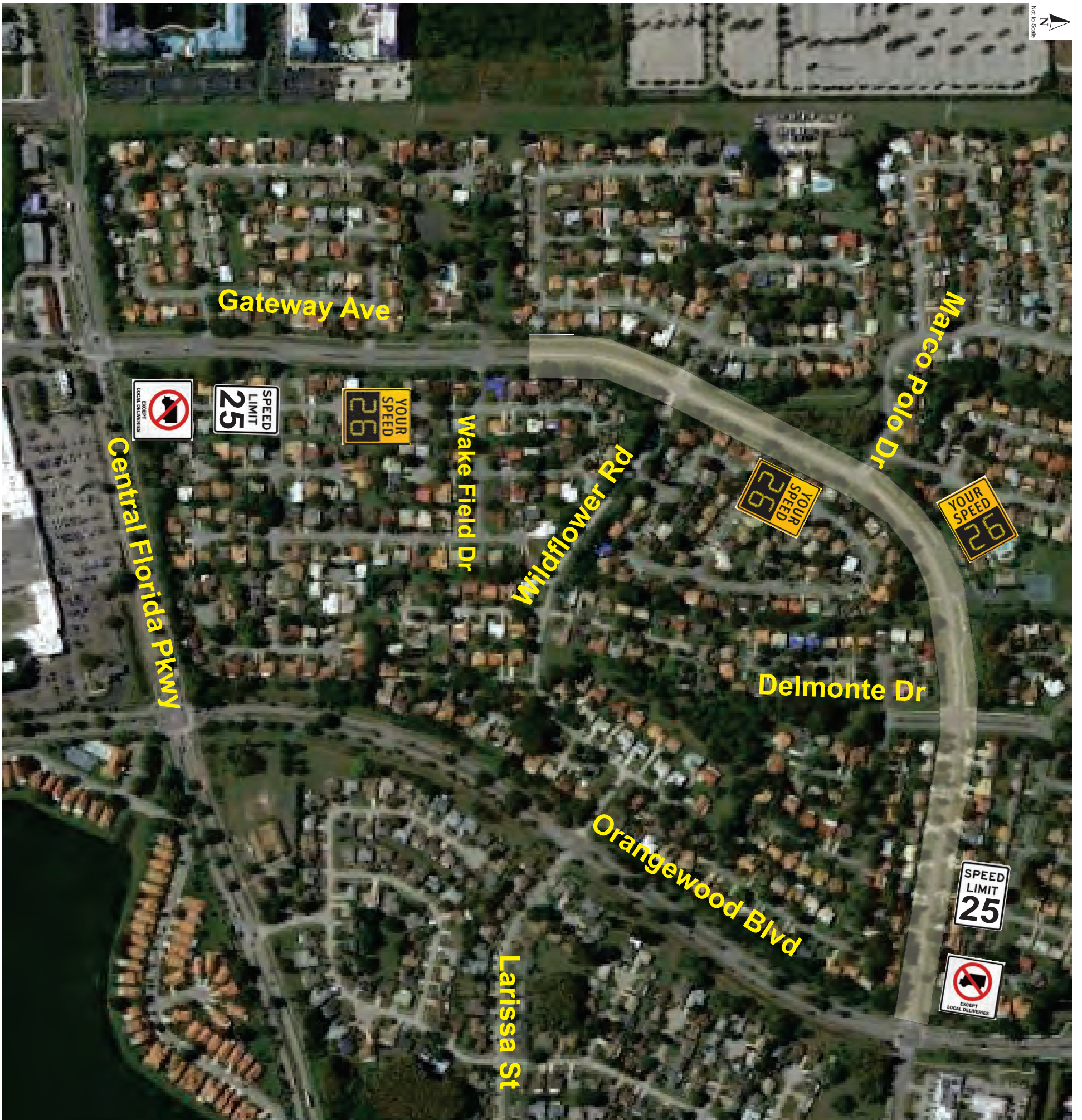




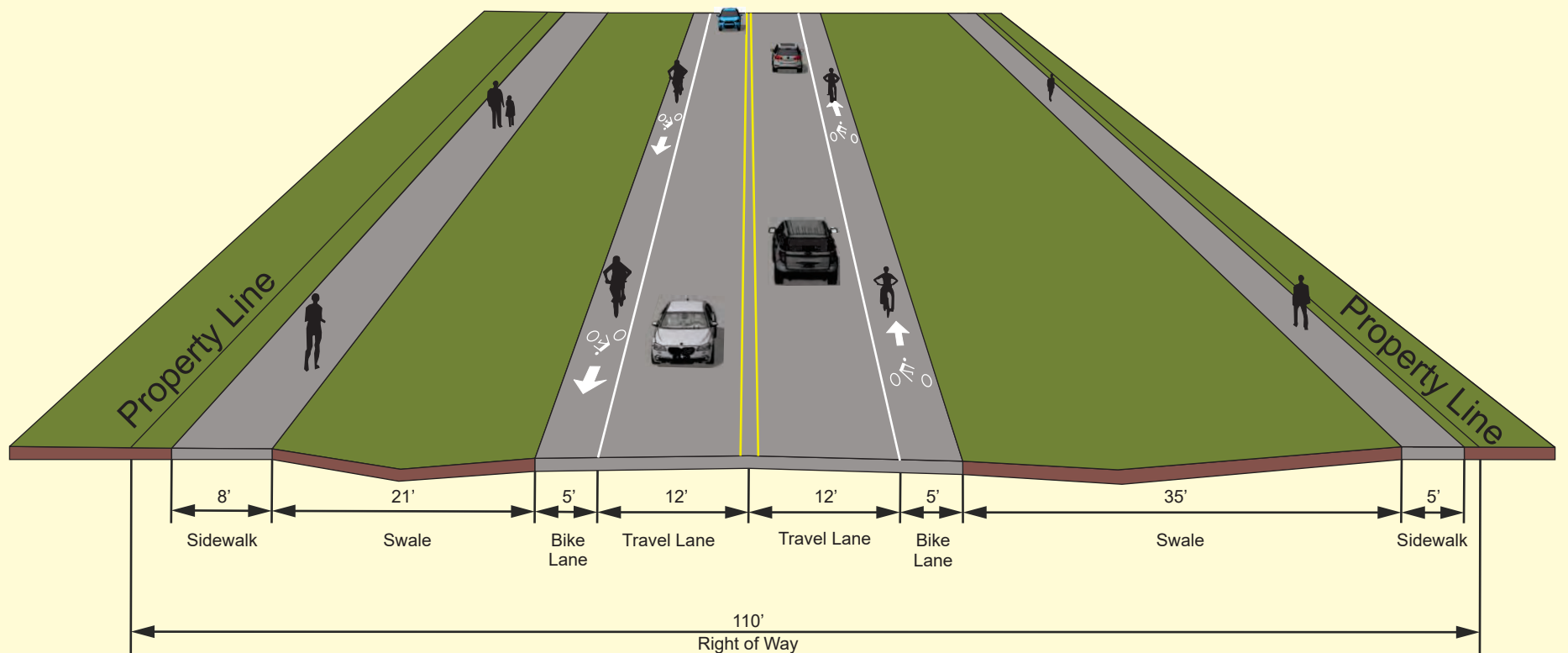
Gateway Ave - Central Florida Pkwy to Wildflower Rd







Gateway Ave, Wildflower Rd to Orangewood Blvd



**Table 10**  
**Cost Estimate – NW Quadrant**

Phase	Cost Item	Quantity	Unit Cost	Total Cost
Short-Term	Speed Limit Sign	4	\$ 483.00	\$ 1,932.00
	Speed Limit Pavement Markings	2	\$ 213.00	\$ 426.00
	"NO THROUGH TRUCK" Sign	2	\$ 483.00	\$ 966.00
	Trim Trees	N/A	N/A	\$ 4,000.00
Total for Short-Term				\$ 7,324.00
Mid-Term	Speed Advisory Sign	2	\$ 15,788.00	\$ 31,576.00
Long-Term	Convert Outside Lanes to Bike Lanes	N/A	N/A	\$ 42,352.37
	5-foot Bike Lanes	N/A	N/A	\$ 215,502.22
	1-Lane Mini Roundabout	3	\$ 250,000.00	\$ 750,000.00
	Total for Long-Term			
Total Cost for NW Quadrant				\$1,046,754.59
25% Contingencies for MOT & Drainage Modifications				\$ 261,689.00
<b>Grand Total Cost for NW Quadrant</b>				<b>\$1,308,443.59</b>

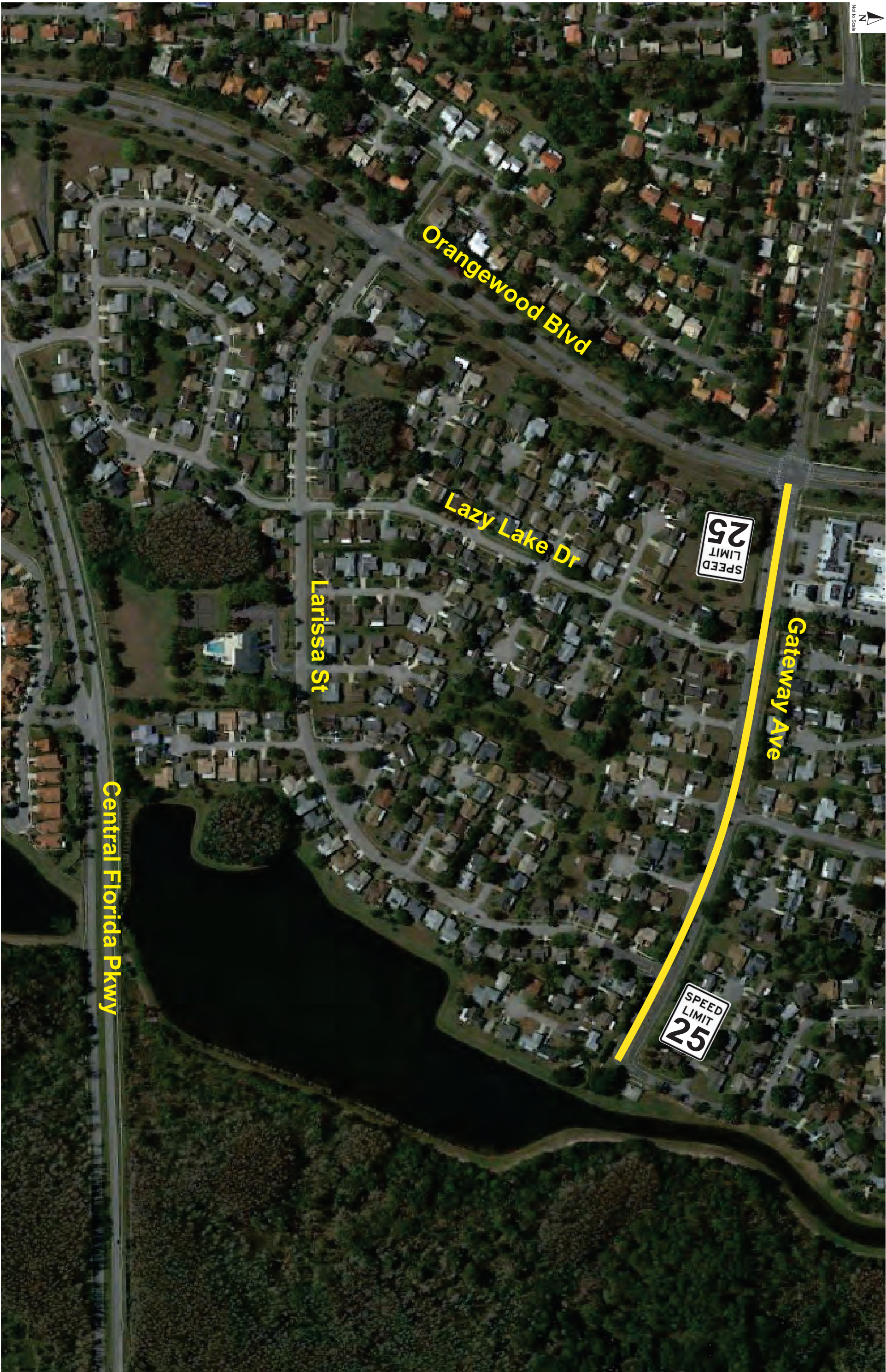
#### 6.4 Short-Term Recommendations – NE Quadrant

The short-term recommendations for the NE quadrant are listed below:

- Reduce the posted speed limit along Gateway Avenue, from Orangewood Boulevard to Gifford Boulevard, to 25 mph.
- Install new speed limit signs with 25 mph along the above segment of Gateway Avenue.

The above-listed recommendations are provided in **Figure 35**.





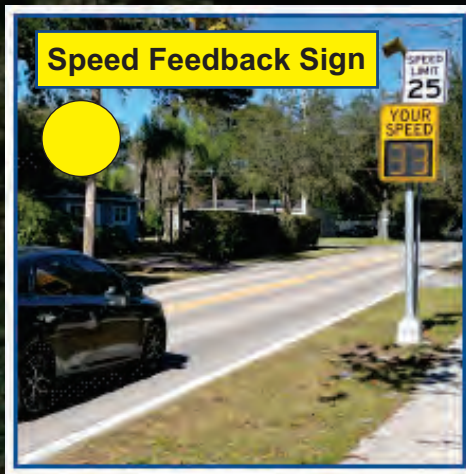
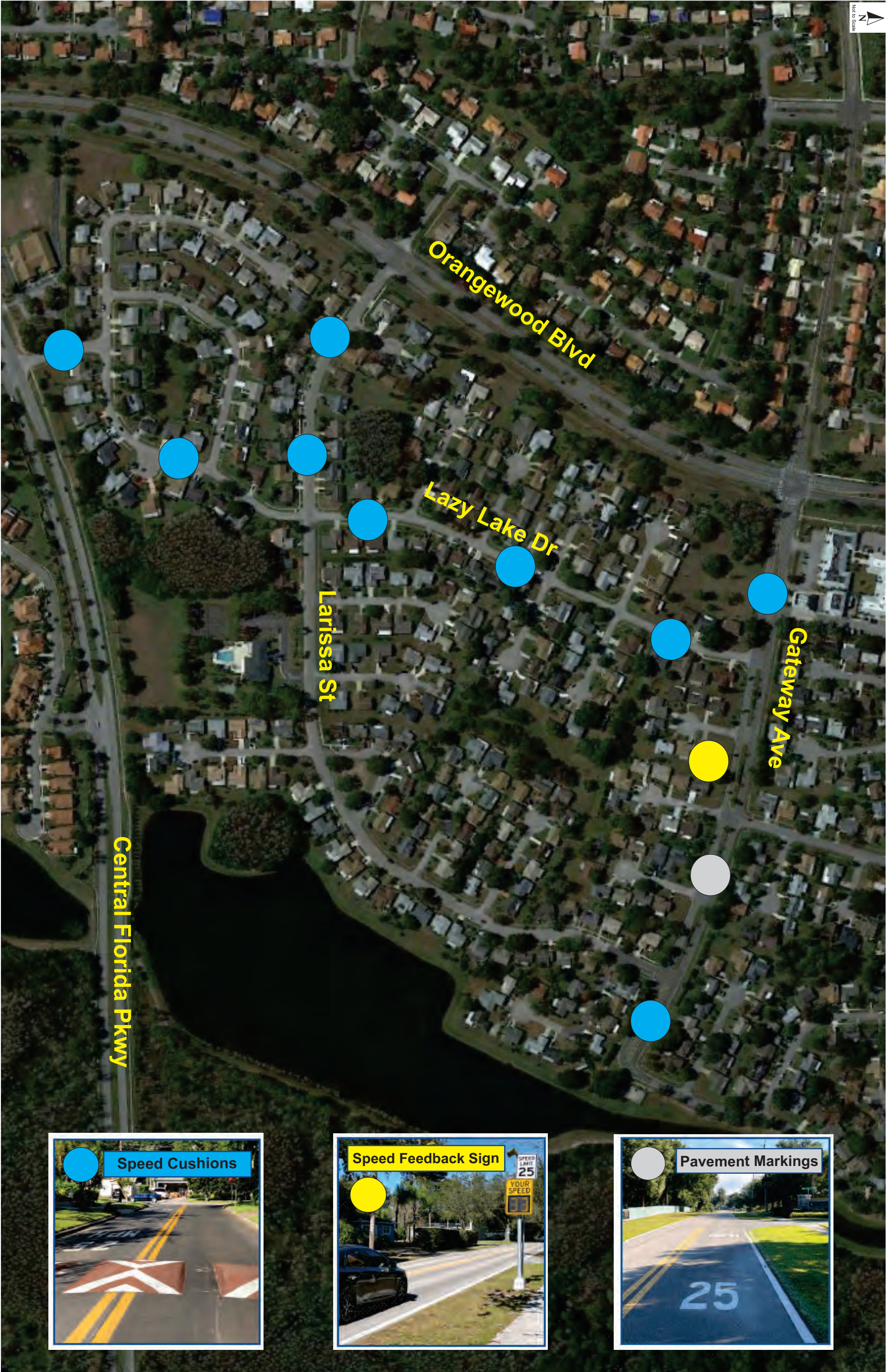
## 6.5 Mid-Term Recommendations – NE Quadrant

The mid-term recommendations for the NE quadrant are listed below:

- Install speed advisory signs along Gateway Avenue, from Orangewood Boulevard to Gifford Boulevard, to 25 mph.
- Install in-lane pavement markings along Gateway Avenue showing the posted speed limit of 25 mph.
- Install speed cushions along Gateway Avenue, from Orangewood Boulevard to Gifford Boulevard.
- Install speed cushions along Lazy Lake Drive, from Central Florida Parkway to Gateway Avenue.
- Install speed cushions along Larissa Street, from Orangewood Boulevard to Lazy Lake Drive.
- Install in-lane pavement markings for the speed cushions along Gateway Avenue, Lazy Lake Drive and Larissa Street.

The above-listed recommendations are provided in Figure 36.







## 6.6 Long-Term Recommendations – NE Quadrant

The long-term recommendations for the NW quadrant are listed below:

- Convert outside lanes along Gateway Avenue, from Orangewood Boulevard to Gifford Boulevard, to protected bike lanes.
- Install new sidewalk along the south side of Gateway Avenue, from Orangewood Boulevard to Gifford Boulevard.

The above-listed recommendations are provided in **Figure 37**. Furthermore, **Figure 38** presents a cross-section of the proposed roadway layout for Gateway Avenue, from Orangewood Boulevard to Gifford Boulevard. The estimated cost for the recommended improvements for the NE quadrant is presented in **Table 11**.

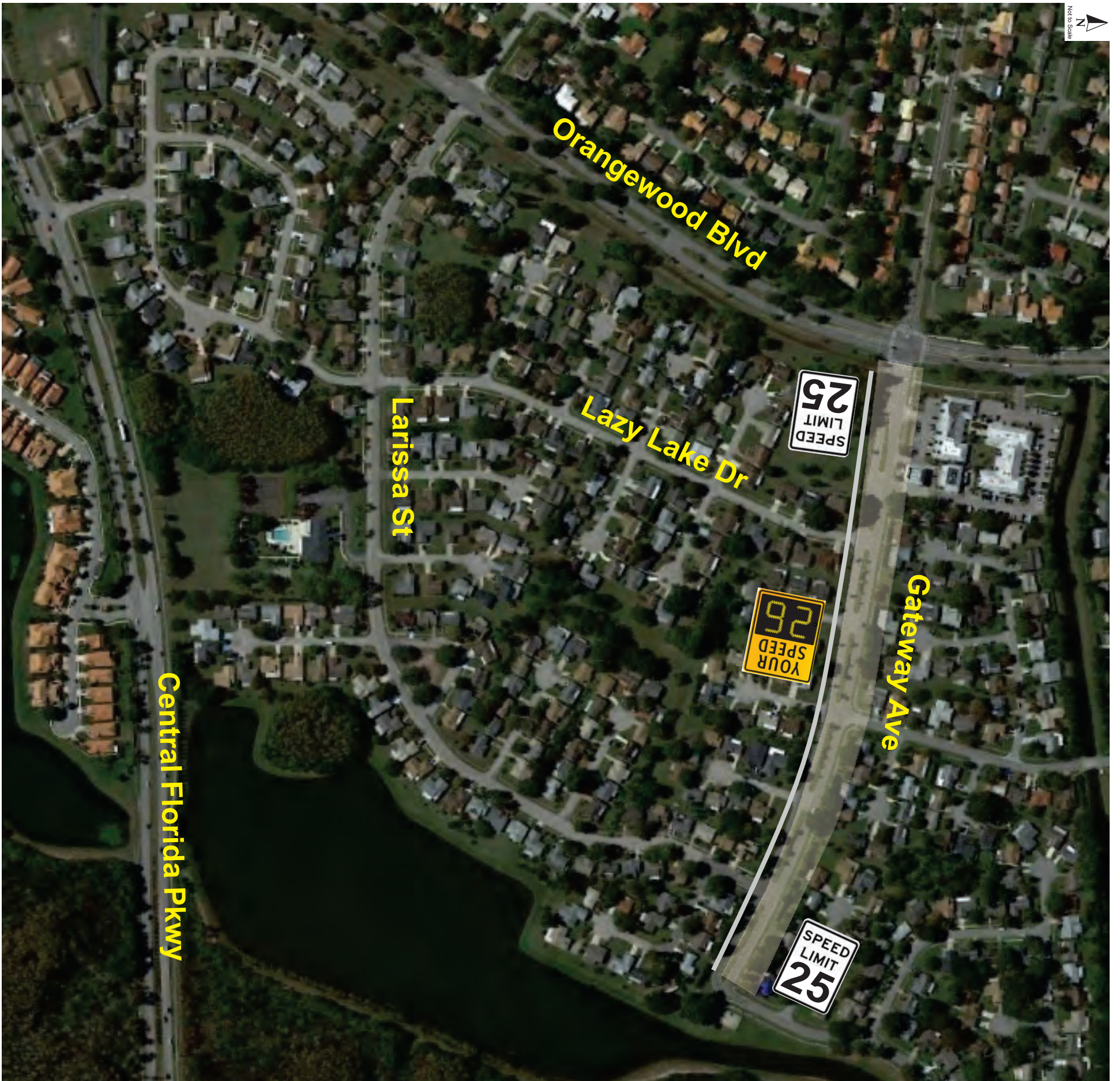
**Table 11**  
**Cost Estimate – NE Quadrant**

Phase	Cost Item	Quantity	Unit Cost	Total Cost
Short-Term	Speed Limit Sign	4	\$ 483.00	\$ 1,932.00
Mid-Term	Speed Advisory Sign	2	\$ 15,788.00	\$ 31,576.00
	Speed Limit Pavement Markings	2	\$ 213.00	\$ 426.00
	Speed Cushins	18	\$ 2,000.00	\$ 36,000.00
Total for Mid-Term				\$ 69,934.00
Long-Term	Convert Outside Lanes to Bike Lanes	N/A	N/A	\$ 42,099.91
	New Sidewalk	1,820 ft	\$ 129.00	\$ 234,780.00
Total for Long-Term				\$ 276,879.91
Total Cost for NW Quadrant				\$ 348,745.91
25% Contingencies for MOT & Drainage Modifications				\$ 87,186.00
<b>Grand Total Cost for NW Quadrant</b>				<b>\$ 435,931.91</b>

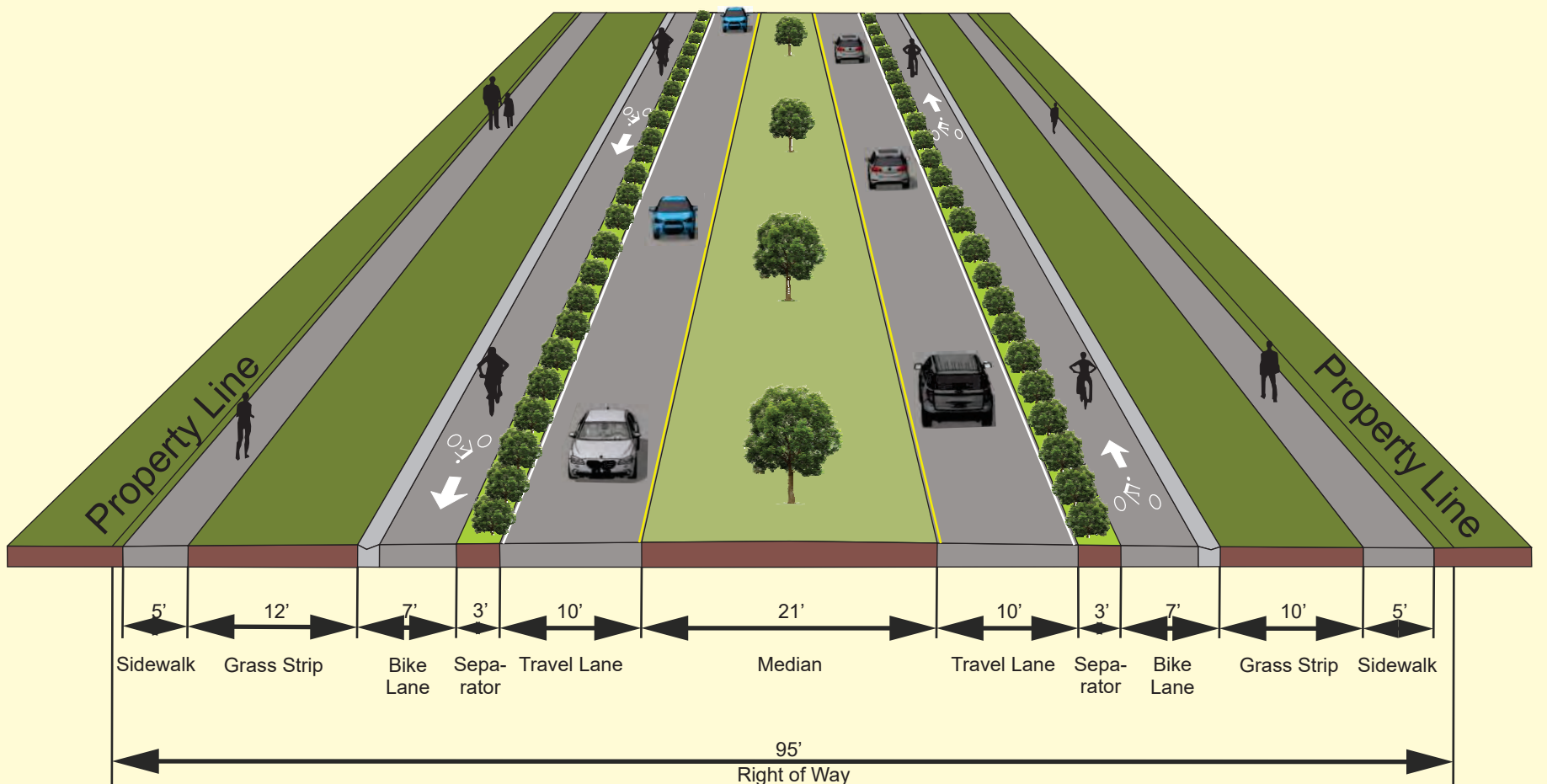








Gateway Ave, Orangewood Blvd to Gifford Blvd





## 6.7 Short-Term Recommendations – South Quadrant

The short-term recommendations for the south quadrant are listed below:

- Reduce the posted speed limit along the 4-lane segment of Orangewood Boulevard, from Central Florida Parkway to Stamfield Drive/Deer Creek Drive, to 35 mph.
- Install new speed limit signs with 35 mph along the above segment of Gateway Avenue.

The above-listed recommendations are provided in **Figure 39**.

## 6.8 Mid-Term Recommendations – South Quadrant

The mid-term recommendations for the south quadrant are listed below:

- Install speed advisory signs along Orangewood Boulevard, from Central Florida Parkway to Stamfield Drive/Deer Creek Drive.

The above-listed recommendations are provided in **Figure 40**.

## 6.9 Long-Term Recommendations – South Quadrant

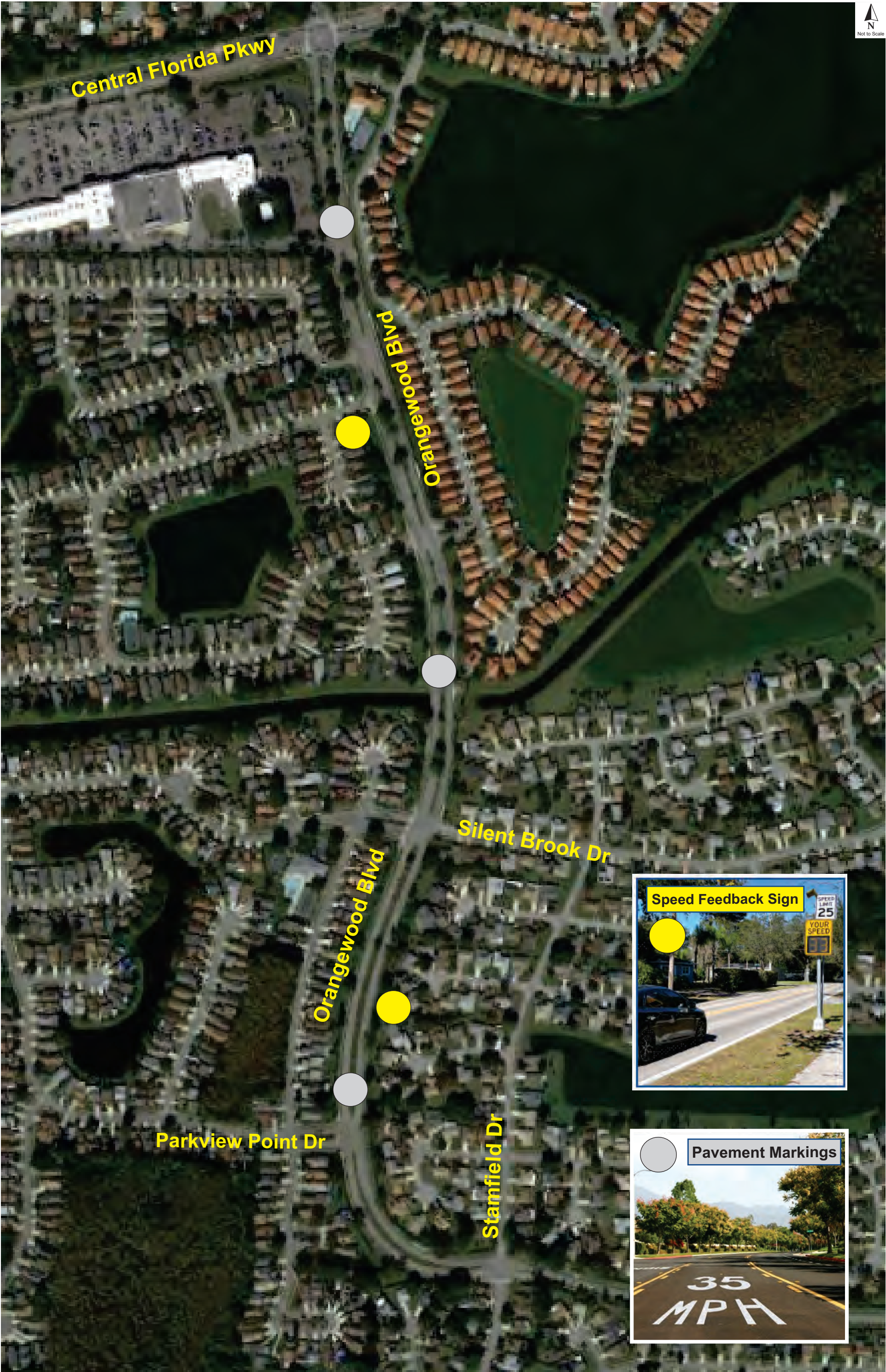
As a result of the feedback received from the residents of the Williamsburg Area south of Central Florida Parkway during the Community Meetings, it was recommended to consider additional efforts in the future for the Williamsburg area south of Central Florida Parkway. Accordingly, Orange County will launch a Williamsburg Area Phase 2 Modeling Task Force after the expansion of Universal Studios and the potential expansion of SeaWorld. As a result, Orange County will provide the community with additional long term mitigation options that will result from that study. The estimated cost for the recommended improvements for the South quadrant is presented in **Table 12**.

**Table 12**  
**Cost Estimate – South Quadrant**

Phase	Cost Item	Quantity	Unit Cost	Total Cost
Short-Term	Speed Limit Sign	4	\$ 483.00	\$ 1,932.00
Mid-Term	Speed Advisory Sign	2	\$ 15,788.00	\$ 31,576.00
Total Cost for NW Quadrant				\$ 33,508.00
15% Contingencies for MOT				\$ 5,026.00
<b>Grand Total Cost for NW Quadrant</b>				<b>\$ 38,534.00</b>







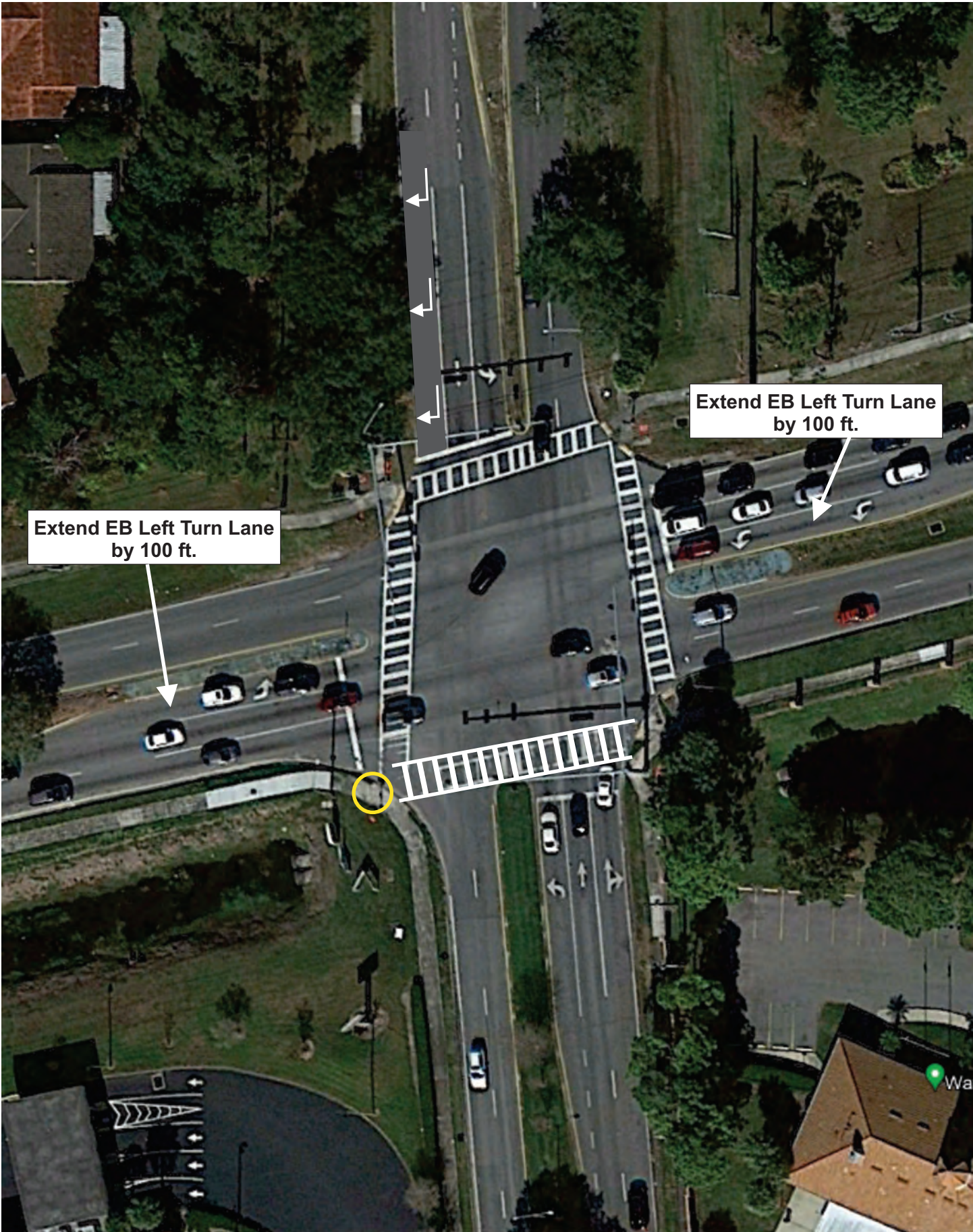
## 6.10 Mid-Term Recommendations – Central Florida Parkway & Orangewood Boulevard

The intersection operational analysis revealed that the intersection of Central Florida Parkway and Orangewood currently operates at an acceptable overall level of service; therefore, there were no short-term improvements identified for this intersection. However, mid-term improvements were identified as a result of this analysis. The westbound left turn movement is experiencing some delays causing a back-up in traffic for the left turning vehicles. In addition, the feedback received from the residents at the community meetings highlighted the need for a dedicated southbound right turn lane to allow the heavy right turning traffic to easily flow without being blocked by the through traffic in that movement. Accordingly, the following list highlights the mid-term intersection improvements proposed for this intersection:

- Upgrade pedestrian ramps in the southeast corner by providing missing pedestrian detectible warnings.
- Refresh pedestrian pavement marking on the south side of the intersection.
- Resurface the southbound approach to the intersection.
- Convert the existing southbound outside through-right shared lane to a “right only” turn lane, leaving one (1) through lane heading south.
- Extend the existing westbound and eastbound left turn lanes by 100 feet with 50-foot tapers. This will provide the left turning vehicles with additional space to queue without blocking the through movements in both approaches.
- Revise the existing signal timing plan to provide more green time for the westbound and eastbound left turn movements, which will help reduce the current queuing issues.

The mid-term intersection improvements for the intersection of Central Florida Parkway and Orangewood Boulevard are shown in **Figure 41**. There are no long-term improvements proposed for this intersection. The estimated cost for the recommended improvements for the intersection of Central Florida Parkway & Orangewood Boulevard is approximately \$ 100,000.00.





Extend EB Left Turn Lane  
by 100 ft.

Extend EB Left Turn Lane  
by 100 ft.

## 6.11 Mid-Term Recommendations – Central Florida Parkway & Gateway Avenue

The intersection operational analysis revealed that the intersection of Central Florida Parkway and Gateway Avenue currently operates at an acceptable overall level of service; therefore, there were no short-term improvements identified for this intersection. However, mid-term improvements were identified as a result of this analysis. The westbound left turn movement is experiencing some delays causing a backup in traffic for the left turning vehicles. In addition, the pedestrian ramps and the faded and misaligned crosswalks require upgrades.

Accordingly, the following list highlights the mid-term intersection improvements proposed for this intersection:

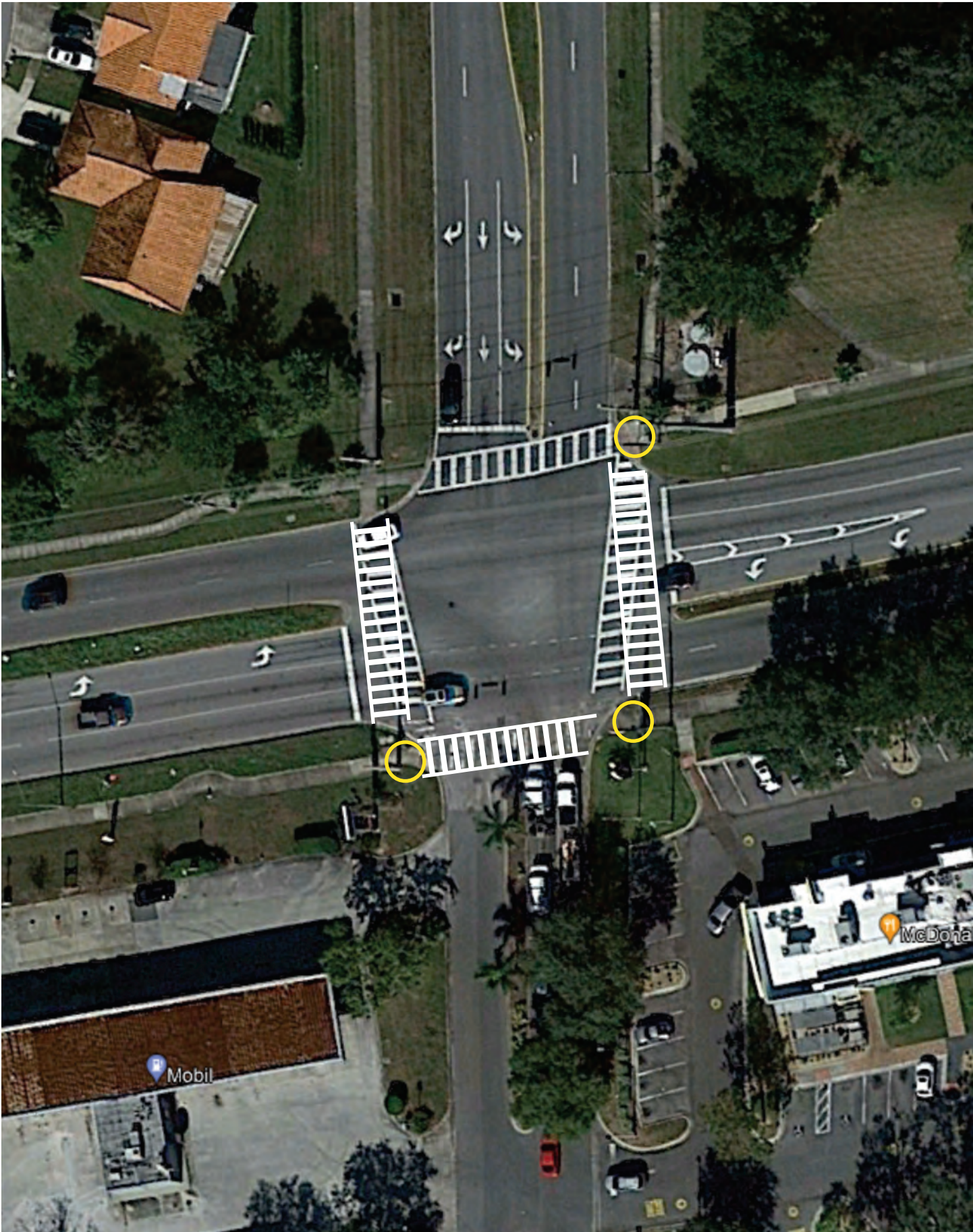
- Upgrade pedestrian ramps in the northeast, southeast, and southwest corners to fix the damaged ramps and unsafe slopes.
- Resurface the pavement for the entire intersection.
- Replace the pedestrian crosswalks markings in the eastbound, westbound, and northbound approaches with better aligned crosswalks.
- Revise the existing signal timing plan to provide more green time for the westbound and eastbound left turn movements, which will help reduce the queuing issues.

The mid-term intersection improvements for the intersection of Central Florida Parkway and Gateway Avenue are shown in **Figure 42**.

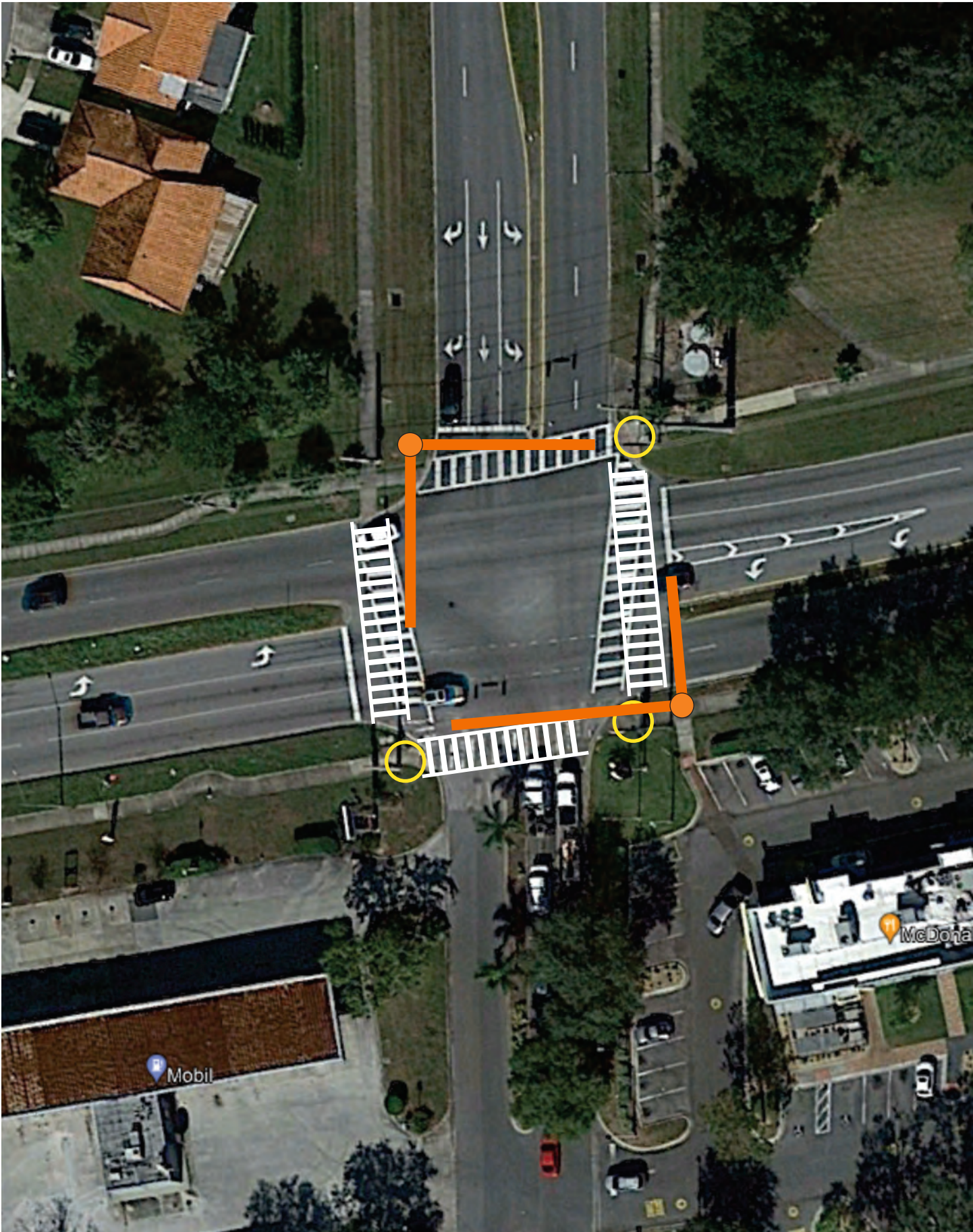
## 6.12 Long-Term Recommendations – Central Florida Parkway & Gateway Avenue

The existing signal configuration at this intersection is a boxed span wire signal, which is outdated and needs to be upgraded to new design standards. The proposed long-term improvement is to replace the span wire signal with mast arm signal configuration, which would be similar to the configuration of the existing mast arm signal at the intersection of Central Florida Parkway and Orangewood Boulevard. The installation of the mast arm signal could improve the safety of the intersection in the future by providing a better design configuration. The long-term intersection improvements for the intersection of Central Florida Parkway and Gateway Avenue are shown in **Figure 43**. The estimated cost for the recommended improvements for the intersection of Central Florida Parkway & Gateway Avenue is approximately \$ 1,062,000.00.











## **APPENDICES**

**Appendix A**  
**Traffic Counts**



# Roadway Count Summary

Start Date 19-Oct-21                      Start Time                      00:00  
 Stop Date 20-Oct-21                      Stop Time                      24:00  
 County Orange                              Station ID                      159  
 Location Orangewood Bv: Beachline Ex (SR 528) to Central Florida Py ( 0.4 Mi. S. Beachline Ex (SR 528))

19-Oct-21    Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	19	16	1	4	18	25	67	117	116	120	73	108
30	20	4	8	9	21	29	91	152	159	109	115	104
45	26	12	9	12	25	54	90	154	161	109	135	138
00	14	9	12	9	22	56	100	167	130	107	113	103
Hr Total	79	41	30	34	86	164	348	590	566	445	436	453

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	87	90	104	81	117	106	83	87	56	33	39	30
30	98	110	87	116	99	109	104	80	51	55	29	29
45	110	99	98	110	103	104	87	70	44	26	24	24
00	103	95	120	106	85	120	77	51	60	33	28	27
Hr Total	398	394	409	413	404	439	351	288	211	147	120	110

24 Hour Total                      6,956  
 AM Peak Hour Begins                      7:45                      AM Peak Volume                      603                      AM Peak Hour Factor                      0.90  
 PM Peak Hour Begins                      15:15                      PM Peak Volume                      449                      PM Peak Hour Factor                      0.94

19-Oct-21    Southbound for Lane 2

End Time	00	01	02	03	04	05	6	07	08	09	10	11
15	40	14	13	13	4	8	22	46	63	80	56	85
30	45	17	20	15	4	16	30	40	68	65	95	90
45	27	17	20	8	6	11	41	78	74	77	71	93
00	28	21	15	9	5	18	36	45	72	72	68	81
Hr Total	140	69	68	45	19	53	129	209	277	294	290	349

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	106	101	88	127	148	190	181	121	118	79	67	58
30	93	119	93	125	151	222	160	98	98	86	56	55
45	89	117	108	132	172	203	125	105	69	66	64	37
00	90	118	101	177	160	185	144	100	76	61	43	43
Hr Total	378	455	390	561	631	800	610	424	361	292	230	193

24 Hour Total                      7,267  
 AM Peak Hour Begins                      12:30                      AM Peak Volume                      399                      AM Peak Hour Factor                      0.84  
 PM Peak Hour Begins                      17:00                      PM Peak Volume                      800                      PM Peak Hour Factor                      0.90

19-Oct-21    Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	59	30	14	17	22	33	89	163	179	200	129	193
30	65	21	28	24	25	45	121	192	227	174	210	194
45	53	29	29	20	31	65	131	232	235	186	206	231
00	42	30	27	18	27	74	136	212	202	179	181	184
Hr Total	219	110	98	79	105	217	477	799	843	739	726	802

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	193	191	192	208	265	296	264	208	174	112	106	88
30	191	229	180	241	250	331	264	178	149	141	85	84
45	199	216	206	242	275	307	212	175	113	92	88	61
00	193	213	221	283	245	305	221	151	136	94	71	70
Hr Total	776	849	799	974	1035	1239	961	712	572	439	350	303

24 Hour Total                      14,223  
 AM Peak Hour Begins                      8:15                      AM Peak Volume                      864                      AM Peak Hour Factor                      0.92  
 PM Peak Hour Begins                      17:00                      PM Peak Volume                      1,239                      PM Peak Hour Factor                      0.94

# Roadway Count Summary

Start Date 20-Oct-21 Start Time 00:00  
 Stop Date 21-Oct-21 Stop Time 24:00  
 County Orange Station ID 159  
 Location Orangewood Bv: Beachline Ex (SR 528) to Central Florida Py ( 0.4 Mi. S. Beachline Ex (SR 528))

20-Oct-21 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	17	4	7	7	8	22	72	126	154	116	107	115
30	14	9	7	3	16	48	87	167	138	128	116	91
45	12	7	5	10	25	60	102	165	161	125	97	107
00	9	3	6	11	26	75	111	165	121	130	113	102
Hr Total	52	23	25	31	75	205	372	623	574	499	433	415

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	103	112	95	96	99	122	127	114	63	40	36	21
30	97	102	97	87	115	107	125	75	44	44	25	33
45	110	125	144	125	91	106	101	91	50	38	43	27
00	107	106	103	116	96	128	107	68	50	32	35	19
Hr Total	417	445	439	424	401	463	460	348	207	154	139	100

24 Hour Total 7,324  
 AM Peak Hour Begins 7:15 AM Peak Volume 651 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:30 PM Peak Volume 486 PM Peak Hour Factor 0.95

20-Oct-21 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	31	18	9	4	2	3	24	51	70	66	78	67
30	31	9	7	7	4	11	22	46	74	64	98	75
45	21	9	10	4	8	19	36	67	89	67	76	93
00	23	7	4	5	6	23	46	73	77	74	86	96
Hr Total	106	43	30	20	20	56	128	237	310	271	338	331

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	87	112	104	132	170	194	194	112	98	67	70	51
30	102	116	112	113	179	252	146	107	76	72	63	46
45	87	98	128	149	187	256	144	105	93	62	59	57
00	94	110	136	153	183	240	124	106	71	67	72	46
Hr Total	370	436	480	547	719	942	608	430	338	268	264	200

24 Hour Total 7,492  
 AM Peak Hour Begins 12:30 AM Peak Volume 409 AM Peak Hour Factor 0.88  
 PM Peak Hour Begins 17:00 PM Peak Volume 942 PM Peak Hour Factor 0.92

20-Oct-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	48	22	16	11	10	25	96	177	224	182	185	182
30	45	18	14	10	20	59	109	213	212	192	214	166
45	33	16	15	14	33	79	138	232	250	192	173	200
00	32	10	10	16	32	98	157	238	198	204	199	198
Hr Total	158	66	55	51	95	261	500	860	884	770	771	746

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	190	224	199	228	269	316	321	226	161	107	106	72
30	199	218	209	200	294	359	271	182	120	116	88	79
45	197	223	272	274	278	362	245	196	143	100	102	84
00	201	216	239	269	279	368	231	174	121	99	107	65
Hr Total	787	881	919	971	1120	1405	1068	778	545	422	403	300

24 Hour Total 14,816  
 AM Peak Hour Begins 7:45 AM Peak Volume 924 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,410 PM Peak Hour Factor 0.96



# Roadway Count Summary

Start Date 21-Oct-21 Start Time 00:00  
 Stop Date 22-Oct-21 Stop Time 24:00  
 County Orange Station ID 159  
 Location Orangewood Bv: Beachline Ex (SR 528) to Central Florida Py ( 0.4 Mi. S. Beachline Ex (SR 528))

21-Oct-21 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	17	8	3	5	13	31	65	125	137	120	101	106
30	23	10	0	5	18	34	98	149	152	114	115	119
45	16	7	6	7	21	69	105	163	158	129	104	118
00	6	7	9	6	26	61	106	171	130	124	116	104
Hr Total	62	32	18	23	78	195	374	608	577	487	436	447

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	102	112	106	101	114	105	110	99	75	40	39	33
30	114	123	106	106	117	104	139	87	54	43	39	27
45	110	109	130	135	110	130	92	71	45	55	40	29
00	97	98	120	125	106	103	98	56	35	29	43	29
Hr Total	423	442	462	467	447	442	439	313	209	167	161	118

24 Hour Total 7,427  
 AM Peak Hour Begins 7:30 AM Peak Volume 623 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 15:30 PM Peak Volume 491 PM Peak Hour Factor 0.91

21-Oct-21 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	39	26	6	6	8	9	17	40	62	71	72	65
30	36	24	13	10	2	12	31	65	65	72	95	98
45	26	21	20	5	8	17	38	67	80	74	91	92
00	23	16	14	8	8	25	42	68	86	79	91	99
Hr Total	124	87	53	29	26	63	128	240	293	296	349	354

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	92	126	118	140	128	210	168	104	114	90	74	63
30	105	97	115	127	195	235	145	124	84	78	60	52
45	96	119	119	117	183	237	158	111	86	69	65	56
00	102	107	96	161	202	231	133	108	85	81	66	41
Hr Total	395	449	448	545	708	913	604	447	369	318	265	212

24 Hour Total 7,715  
 AM Peak Hour Begins 12:15 AM Peak Volume 429 AM Peak Hour Factor 1.02  
 PM Peak Hour Begins 17:00 PM Peak Volume 913 PM Peak Hour Factor 0.96

21-Oct-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	56	34	9	11	21	40	82	165	199	191	173	171
30	59	34	13	15	20	46	129	214	217	186	210	217
45	42	28	26	12	29	86	143	230	238	203	195	210
00	29	23	23	14	34	86	148	239	216	203	207	203
Hr Total	186	119	71	52	104	258	502	848	870	783	785	801

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	194	238	224	241	242	315	278	203	189	130	113	96
30	219	220	221	233	312	339	284	211	138	121	99	79
45	206	228	249	252	293	367	250	182	131	124	105	85
00	199	205	216	286	308	334	231	164	120	110	109	70
Hr Total	818	891	910	1012	1155	1355	1043	760	578	485	426	330

24 Hour Total 15,142  
 AM Peak Hour Begins 7:45 AM Peak Volume 893 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,355 PM Peak Hour Factor 0.92

# Roadway Count Summary

Start Date 19-Oct-21 Start Time 00:00  
 Stop Date 21-Oct-21 Stop Time 24:00  
 County Orange Station ID 159  
 Location Orangewood Bv: Beachline Ex (SR 528) to Central Florida Py ( 0.4 Mi. S. Beachline Ex (SR 528))

19-Oct-21 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	18	9	4	5	13	26	68	123	136	119	94	110
30	19	8	5	6	18	37	92	156	150	117	115	105
45	18	9	7	10	24	61	99	161	160	121	112	121
00	10	6	9	9	25	64	106	168	127	120	114	103
Hr Total	64	32	24	29	80	188	365	607	572	477	435	438

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	97	105	102	93	110	111	107	100	65	38	38	28
30	103	112	97	103	110	107	123	81	50	47	31	30
45	110	111	124	123	101	113	93	77	46	40	36	27
00	102	100	114	116	96	117	94	58	48	31	35	25
Hr Total	413	427	437	435	417	448	417	316	209	156	140	109

24 Hour Total 7,236  
 AM Peak Hour Begins 7:15 AM Peak Volume 620 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 17:30 PM Peak Volume 460 PM Peak Hour Factor 0.98

19-Oct-21 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	37	19	9	8	5	7	21	46	65	72	69	72
30	37	17	13	11	3	13	28	50	69	67	96	88
45	25	16	17	6	7	16	38	71	81	73	79	93
00	25	15	11	7	6	22	41	62	78	75	82	92
Hr Total	123	66	50	31	22	57	128	229	293	287	326	345

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	95	113	103	133	149	198	181	112	110	79	70	57
30	100	111	107	122	175	236	150	110	86	79	60	51
45	91	111	118	133	181	232	142	107	83	66	63	50
00	95	112	111	164	182	219	134	105	77	70	60	43
Hr Total	381	447	439	551	686	885	607	434	356	293	253	202

24 Hour Total 7,491  
 AM Peak Hour Begins 12:30 AM Peak Volume 410 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 17:00 PM Peak Volume 885 PM Peak Hour Factor 0.94

19-Oct-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	54	29	13	13	18	33	89	168	201	191	162	182
30	56	24	18	16	22	50	120	206	219	184	211	192
45	43	24	23	15	31	77	137	231	241	194	191	214
00	34	21	20	16	31	86	147	230	205	195	196	195
Hr Total	188	98	75	61	101	245	493	836	866	764	761	783

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	192	218	205	226	259	309	288	212	175	116	108	85
30	203	222	203	225	285	343	273	190	136	126	91	81
45	201	222	242	256	282	345	236	184	129	105	98	77
00	198	211	225	279	277	336	228	163	126	101	96	68
Hr Total	794	874	876	986	1103	1333	1024	750	565	449	393	311

24 Hour Total 14,727  
 AM Peak Hour Begins 7:45 AM Peak Volume 890 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,333 PM Peak Hour Factor 0.97



# Roadway Count Summary

Start Date 27-Oct-21 Start Time 00:00  
 Stop Date 28-Oct-21 Stop Time 24:00  
 County Orange Station ID 345  
 Location Central Florida Py : Turkey Lake Rd to International Dr ( 0.28 Miles W. of International Dr )

27-Oct-21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	54	19	38	19	31	59	111	163	157	127	146	164
30	41	25	17	21	41	81	113	154	137	170	149	169
45	27	14	25	24	63	90	114	118	137	150	181	174
00	36	12	24	28	44	74	150	143	150	149	164	185
Hr Total	158	70	104	92	179	304	488	578	581	596	640	692

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	183	199	200	185	224	218	185	124	123	131	96	86
30	180	196	187	210	204	210	194	153	124	109	125	95
45	177	197	200	207	217	189	177	132	121	100	103	74
00	170	187	235	213	246	188	178	129	109	129	104	60
Hr Total	710	779	822	815	891	805	734	538	477	469	428	315

24 Hour Total 12,265  
 AM Peak Hour Begins 11:45 AM Peak Volume 725 AM Peak Hour Factor 0.98  
 PM Peak Hour Begins 16:00 PM Peak Volume 891 PM Peak Hour Factor 0.91

27-Oct-21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	19	25	33	57	113	201	236	245	206	200	211
30	31	16	29	22	38	109	168	251	223	207	180	184
45	13	11	29	44	43	143	206	214	215	190	179	183
00	21	18	19	51	65	161	213	236	208	219	177	185
Hr Total	99	64	102	150	203	526	788	937	891	822	736	763

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	192	182	177	174	184	208	165	134	104	89	63	58
30	206	177	180	196	183	199	137	112	72	95	73	48
45	156	187	191	194	177	182	155	133	100	65	56	49
00	206	179	179	186	207	216	130	110	93	75	51	40
Hr Total	760	725	727	750	751	805	587	489	369	324	243	195

24 Hour Total 12,806  
 AM Peak Hour Begins 7:15 AM Peak Volume 946 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 17:00 PM Peak Volume 805 PM Peak Hour Factor 0.93

27-Oct-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	88	38	63	52	88	172	312	399	402	333	346	375
30	72	41	46	43	79	190	281	405	360	377	329	353
45	40	25	54	68	106	233	320	332	352	340	360	357
00	57	30	43	79	109	235	363	379	358	368	341	370
Hr Total	257	134	206	242	382	830	1276	1515	1472	1418	1376	1455

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	375	381	377	359	408	426	350	258	227	220	159	144
30	386	373	367	406	387	409	331	265	196	204	198	143
45	333	384	391	401	394	371	332	265	221	165	159	123
00	376	366	414	399	453	404	308	239	202	204	155	100
Hr Total	1470	1504	1549	1565	1642	1610	1321	1027	846	793	671	510

24 Hour Total 25,071  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,518 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,682 PM Peak Hour Factor 0.93

# Roadway Count Summary

Start Date 28-Oct-21 Start Time 00:00  
 Stop Date 29-Oct-21 Stop Time 24:00  
 County Orange Station ID 345  
 Location Central Florida Py : Turkey Lake Rd to International Dr ( 0.28 Miles W. of International Dr )

28-Oct-21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	39	36	19	27	34	65	94	182	144	140	167	154
30	39	20	17	17	39	84	118	165	141	137	131	150
45	40	12	18	27	48	85	121	132	141	138	142	145
00	30	16	28	23	39	84	148	127	171	150	139	147
Hr Total	148	84	82	94	160	318	481	606	597	565	579	596

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	170	164	205	162	190	231	153	158	109	115	122	113
30	197	178	208	251	229	176	169	147	129	113	135	153
45	175	174	221	192	197	147	154	112	108	118	133	131
00	168	200	185	159	178	178	167	129	127	124	121	124
Hr Total	710	716	819	764	794	732	643	546	473	470	511	521

24 Hour Total 12,009  
 AM Peak Hour Begins 12:00 AM Peak Volume 710 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 16:15 PM Peak Volume 835 PM Peak Hour Factor 0.90

28-Oct-21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	25	13	15	32	53	102	204	206	207	183	179	167
30	22	18	18	24	49	93	195	238	215	205	149	169
45	25	13	25	37	44	113	208	190	184	190	175	186
00	20	10	22	47	76	181	224	221	177	174	166	227
Hr Total	92	54	80	140	222	489	831	855	783	752	669	749

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	176	198	176	185	245	210	226	170	107	103	80	66
30	185	154	192	196	213	220	213	168	124	86	71	54
45	166	191	179	201	183	205	194	140	115	105	62	60
00	164	195	194	213	234	221	204	124	98	85	50	48
Hr Total	691	738	741	795	875	856	837	602	444	379	263	228

24 Hour Total 13,165  
 AM Peak Hour Begins 6:30 AM Peak Volume 876 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 16:00 PM Peak Volume 875 PM Peak Hour Factor 0.89

28-Oct-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	64	49	34	59	87	167	298	388	351	323	346	321
30	61	38	35	41	88	177	313	403	356	342	280	319
45	65	25	43	64	92	198	329	322	325	328	317	331
00	50	26	50	70	115	265	372	348	348	324	305	374
Hr Total	240	138	162	234	382	807	1312	1461	1380	1317	1248	1345

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	346	362	381	347	435	441	379	328	216	218	202	179
30	382	332	400	447	442	396	382	315	253	199	206	207
45	341	365	400	393	380	352	348	252	223	223	195	191
00	332	395	379	372	412	399	371	253	225	209	171	172
Hr Total	1401	1454	1560	1559	1669	1588	1480	1148	917	849	774	749

24 Hour Total 25,174  
 AM Peak Hour Begins 6:30 AM Peak Volume 1,492 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 16:15 PM Peak Volume 1,675 PM Peak Hour Factor 0.95



# Roadway Count Summary

Start Date 26-Oct-21 Start Time 00:00  
 Stop Date 28-Oct-21 Stop Time 24:00  
 County Orange Station ID 345  
 Location Central Florida Py : Turkey Lake Rd to International Dr ( 0.28 Miles W. of International Dr )

26-Oct-21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	46	25	25	23	32	63	101	169	144	134	154	168
30	39	19	17	22	38	86	119	158	145	151	148	155
45	35	16	20	22	56	88	118	131	154	139	154	171
00	32	15	21	23	47	81	146	139	157	149	164	168
Hr Total	152	74	83	89	172	319	484	597	599	573	620	663

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	178	174	193	183	212	228	172	146	113	116	115	97
30	177	187	198	220	220	190	193	151	122	109	124	106
45	163	182	199	200	214	174	165	125	117	106	115	90
00	170	195	207	197	202	198	176	127	114	119	117	85
Hr Total	689	739	797	800	848	791	707	549	466	451	472	378

24 Hour Total 12,112  
 AM Peak Hour Begins 11:30 AM Peak Volume 695 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 16:15 PM Peak Volume 864 PM Peak Hour Factor 0.95

26-Oct-21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	29	18	18	31	55	109	205	227	231	198	200	182
30	25	20	25	25	44	98	183	237	225	207	167	181
45	18	14	26	42	50	132	203	205	201	201	163	187
00	19	15	22	49	75	169	220	238	203	194	175	199
Hr Total	91	66	91	147	224	508	810	908	859	799	706	749

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	187	194	171	179	216	203	185	149	102	94	72	58
30	196	166	190	198	182	196	170	134	90	85	68	48
45	162	180	179	190	184	190	167	129	105	79	63	50
00	187	188	180	193	215	216	161	111	94	79	52	43
Hr Total	732	728	719	760	797	805	683	523	391	336	255	199

24 Hour Total 12,888  
 AM Peak Hour Begins 7:15 AM Peak Volume 912 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00 PM Peak Volume 805 PM Peak Hour Factor 0.93

26-Oct-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	75	43	43	53	87	172	306	396	375	332	353	351
30	64	39	42	47	82	184	302	395	369	358	316	337
45	54	30	46	64	105	220	321	336	355	340	318	358
00	51	29	43	71	122	250	366	377	359	343	339	367
Hr Total	244	141	174	236	396	827	1294	1505	1459	1373	1326	1412

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	365	368	364	363	428	431	357	295	215	210	187	155
30	373	354	387	418	402	386	363	285	212	194	192	154
45	325	362	378	390	398	364	332	254	222	185	178	140
00	357	383	387	390	416	415	338	238	209	198	169	128
Hr Total	1421	1467	1516	1561	1644	1595	1390	1072	858	787	726	577

24 Hour Total 24,999  
 AM Peak Hour Begins 7:00 AM Peak Volume 1,505 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:15 PM Peak Volume 1,647 PM Peak Hour Factor 0.96





# Roadway Count Summary

Start Date 10-Nov-21 Start Time 00:00  
 Stop Date 11-Nov-21 Stop Time 24:00  
 County Orange Station ID 1064  
 Location Central Florida Py : International Dr to John Young Py ( 1.50 Miles W. of John Young Py )

10-Nov-21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	63	26	25	18	21	56	111	193	177	163	177	180
30	42	23	11	18	32	73	147	217	200	167	197	209
45	44	26	19	15	37	84	165	197	190	156	197	166
00	33	24	13	11	41	85	183	184	225	185	179	222
Hr Total	182	99	68	62	131	298	606	791	792	671	750	777

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	194	210	219	242	259	258	211	204	114	111	133	108
30	222	250	235	258	254	246	226	183	130	121	119	121
45	177	228	231	231	230	212	193	156	123	131	122	87
00	225	210	222	264	281	252	148	126	122	118	109	91
Hr Total	818	898	907	995	1024	968	778	669	489	481	483	407

24 Hour Total 14,144  
 AM Peak Hour Begins 12:00 AM Peak Volume 818 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 16:00 PM Peak Volume 1,024 PM Peak Hour Factor 0.91

10-Nov-21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	25	14	16	54	97	195	299	294	214	190	202
30	22	20	12	29	58	133	207	282	289	219	171	211
45	25	13	15	36	52	124	192	264	251	204	190	185
00	16	13	20	32	59	140	244	242	229	202	155	165
Hr Total	97	71	61	113	223	494	838	1087	1063	839	706	763

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	159	209	234	248	234	218	206	171	105	104	77	51
30	196	234	193	213	210	212	194	133	135	112	83	46
45	184	227	187	196	195	189	207	123	100	87	72	43
00	189	239	169	225	215	228	158	103	107	96	66	31
Hr Total	728	909	783	882	854	847	765	530	447	399	298	171

24 Hour Total 13,968  
 AM Peak Hour Begins 6:45 AM Peak Volume 1,089 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 13:15 PM Peak Volume 934 PM Peak Hour Factor 0.98

10-Nov-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	97	51	39	34	75	153	306	492	471	377	367	382
30	64	43	23	47	90	206	354	499	489	386	368	420
45	69	39	34	51	89	208	357	461	441	360	387	351
00	49	37	33	43	100	225	427	426	454	387	334	387
Hr Total	279	170	129	175	354	792	1444	1878	1855	1510	1456	1540

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	353	419	453	490	493	476	417	375	219	215	210	159
30	418	484	428	471	464	458	420	316	265	233	202	167
45	361	455	418	427	425	401	400	279	223	218	194	130
00	414	449	391	489	496	480	306	229	229	214	175	122
Hr Total	1546	1807	1690	1877	1878	1815	1543	1199	936	880	781	578

24 Hour Total 28,112  
 AM Peak Hour Begins 6:45 AM Peak Volume 1,879 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 15:15 PM Peak Volume 1,880 PM Peak Hour Factor 0.95

# Roadway Count Summary

Start Date 11-Nov-21 Start Time 00:00  
 Stop Date 12-Nov-21 Stop Time 24:00  
 County Orange Station ID 1064  
 Location Central Florida Py : International Dr to John Young Py ( 1.50 Miles W. of John Young Py )

11-Nov-21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	64	37	16	15	23	60	98	179	151	163	203	209
30	58	32	23	27	33	58	119	198	176	179	199	207
45	54	21	15	21	37	72	135	198	196	171	210	204
00	44	28	10	11	54	78	163	173	187	175	203	205
Hr Total	220	118	64	74	147	268	515	748	710	688	815	825

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	204	207	266	271	249	261	205	213	127	145	141	128
30	192	194	281	262	257	234	190	180	127	168	127	131
45	204	207	211	286	249	236	186	147	133	149	126	104
00	208	228	271	272	266	247	161	149	127	148	141	107
Hr Total	808	836	1029	1091	1021	978	742	689	514	610	535	470

24 Hour Total 14,515  
 AM Peak Hour Begins 10:30 AM Peak Volume 829 AM Peak Hour Factor 0.99  
 PM Peak Hour Begins 15:00 PM Peak Volume 1,091 PM Peak Hour Factor 0.95

11-Nov-21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	41	23	11	24	52	102	181	244	287	204	160	161
30	29	23	25	46	55	115	221	299	253	190	175	194
45	25	19	27	30	49	134	193	262	235	171	188	184
00	22	24	19	34	62	141	228	211	194	158	163	156
Hr Total	117	89	82	134	218	492	823	1016	969	723	686	695

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	187	184	198	208	197	229	205	187	112	99	84	40
30	169	206	193	210	197	209	197	133	154	104	95	56
45	155	167	178	178	209	201	203	144	116	107	66	54
00	158	173	169	189	245	238	166	130	107	78	77	50
Hr Total	669	730	738	785	848	877	771	594	489	388	322	200

24 Hour Total 13,455  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,059 AM Peak Hour Factor 0.89  
 PM Peak Hour Begins 16:30 PM Peak Volume 892 PM Peak Hour Factor 0.91

11-Nov-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	105	60	27	39	75	162	279	423	438	367	363	370
30	87	55	48	73	88	173	340	497	429	369	374	401
45	79	40	42	51	86	206	328	460	431	342	398	388
00	66	52	29	45	116	219	391	384	381	333	366	361
Hr Total	337	207	146	208	365	760	1338	1764	1679	1411	1501	1520

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	391	391	464	479	446	490	410	400	239	244	225	168
30	361	400	474	472	454	443	387	313	281	272	222	187
45	359	374	389	464	458	437	389	291	249	256	192	158
00	366	401	440	461	511	485	327	279	234	226	218	157
Hr Total	1477	1566	1767	1876	1869	1855	1513	1283	1003	998	857	670

24 Hour Total 27,970  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,779 AM Peak Hour Factor 0.89  
 PM Peak Hour Begins 16:15 PM Peak Volume 1,913 PM Peak Hour Factor 0.94



# Roadway Count Summary

Start Date 9-Nov-21 Start Time 00:00  
 Stop Date 11-Nov-21 Stop Time 24:00  
 County Orange Station ID 1064  
 Location Central Florida Py : International Dr to John Young Py ( 1.50 Miles W. of John Young Py )

9-Nov-21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	60	32	21	16	23	54	106	186	171	172	184	193
30	54	27	20	19	34	65	139	207	183	176	190	203
45	44	23	16	16	37	76	147	201	191	169	193	185
00	40	26	13	15	48	87	172	175	204	174	187	213
Hr Total	199	108	70	66	141	282	563	769	748	691	753	794

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	196	202	240	248	260	270	222	199	128	122	139	118
30	205	219	256	267	252	253	210	173	130	135	122	124
45	198	225	227	245	250	238	187	155	127	133	128	94
00	210	217	237	263	275	252	162	150	120	128	119	95
Hr Total	809	863	960	1023	1038	1012	782	677	506	518	508	431

24 Hour Total 14,311  
 AM Peak Hour Begins 11:45 AM Peak Volume 812 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,047 PM Peak Hour Factor 0.95

9-Nov-21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	39	20	12	18	53	102	189	264	288	216	178	181
30	25	21	19	34	57	128	203	298	267	206	185	201
45	24	17	18	32	51	122	193	267	240	195	184	183
00	19	17	19	33	61	146	239	236	211	186	161	166
Hr Total	107	76	69	117	222	498	824	1064	1006	803	708	730

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	187	213	217	225	228	223	210	170	115	106	83	42
30	189	220	196	215	201	203	201	139	136	102	81	46
45	173	194	185	187	201	208	195	139	106	91	67	46
00	176	202	177	207	236	233	162	122	109	86	68	35
Hr Total	724	829	774	835	866	867	768	570	466	385	299	170

24 Hour Total 13,777  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,088 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 16:45 PM Peak Volume 870 PM Peak Hour Factor 0.92

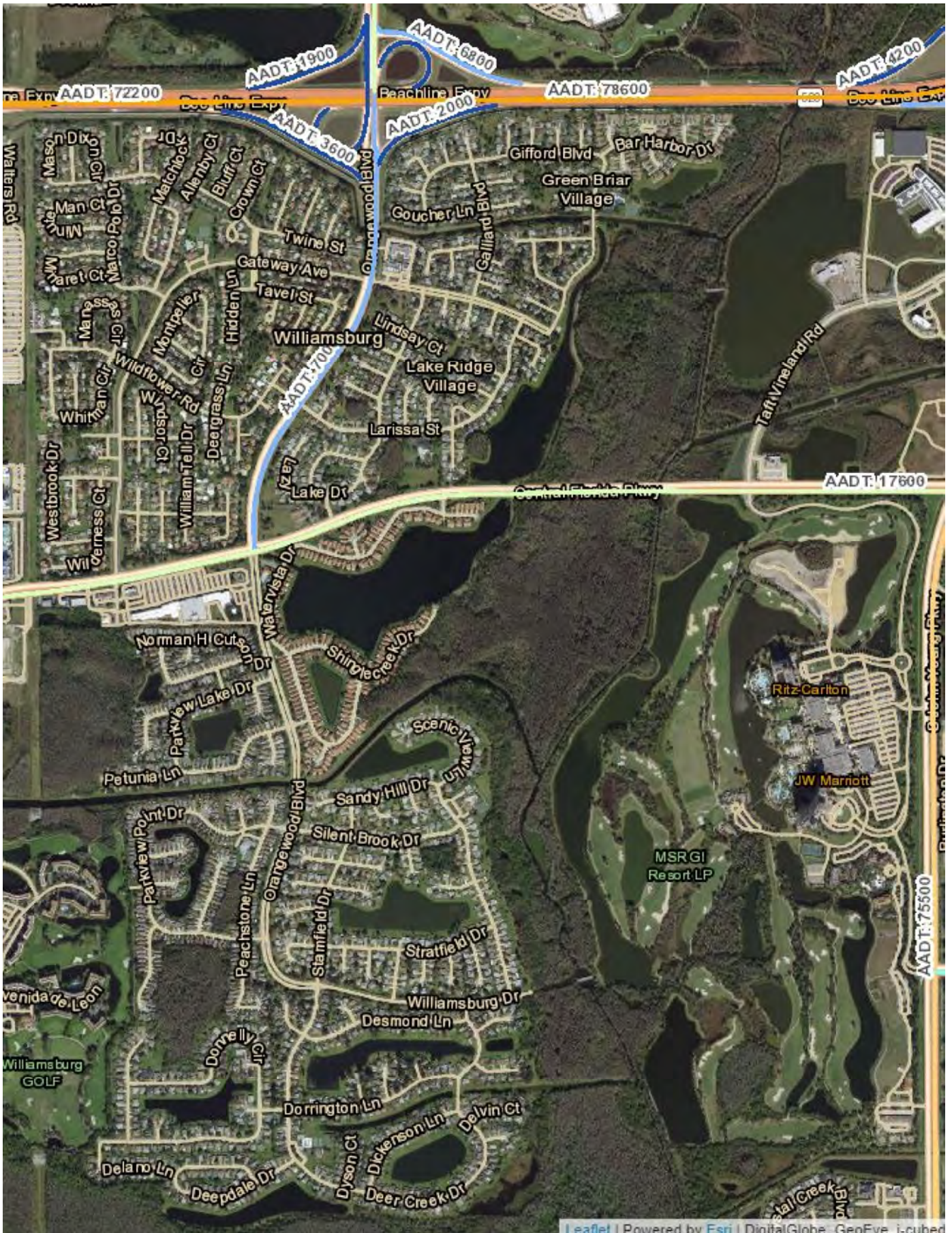
9-Nov-21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	99	52	33	34	76	155	295	450	459	388	362	373
30	79	49	39	53	91	193	341	505	450	382	375	404
45	69	41	34	48	88	198	340	467	431	364	377	368
00	59	43	32	48	108	233	411	411	415	360	348	380
Hr Total	305	185	139	183	363	780	1387	1833	1755	1494	1461	1525

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	382	415	457	474	489	493	433	369	243	227	221	161
30	394	439	452	482	453	456	411	312	266	237	204	170
45	371	418	412	432	451	445	382	293	233	224	195	140
00	386	419	414	470	511	485	324	272	229	214	187	130
Hr Total	1533	1692	1734	1858	1904	1879	1550	1247	972	903	808	601

24 Hour Total 28,089  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,842 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,911 PM Peak Hour Factor 0.94







**Appendix B**  
**Orange County Concurrency Management Database**

<i>ID</i>	<i>From</i>	<i>To</i>	<i>Lgth</i>	<i>Maint Agency</i>	<i>Capacity Group</i>	<i>Ln</i>	<i>Min LOS</i>	<i>Total Cap</i>	<i>AADT</i>	<i>PmPk</i>	<i>PkDir</i>	<i>Comm Trips</i>	<i>Avail Cap* LOS</i>
<b><i>Central Florida Greenway</i></b>													
49.1	Osceola County Line	SR 536	2.23	ST	Urban Freeway	4	E	3,940	46,900	2,279	EB	0	1,661 C
49.2	SR 536	John Young Pkwy	3.52	ST	Urban Freeway	4	E	3,940	73,500	4,090	EB	0	0 F
49.3	John Young Pkwy	Landstar Blvd	3.72	ST	Urban Freeway	4	E	3,940	71,000	3,951	EB	0	0 F
49.4	Landstar Blvd	Boggy Creek Rd	3.52	ST	Urban Freeway	4	E	3,940	0	0	EB	85	3,855 B
49.5	Boggy Creek Rd	Narcoossee Rd	4.64	ST	Urban Freeway	4	E	3,940	69,000	3,840	WB	66	34 E
49.6	Narcoossee Rd	Beachline Expy	4.01	ST	Rural Freeway	4	D	3,040	71,000	3,951	WB	0	0 F
108.2	Beachline Expy	Lee Vista Blvd	1.91	ST	Rural Freeway	6	D	4,560	116,500	5,866	NB	0	0 F
108.21	Lee Vista Blvd	Curry Ford Rd	2.31	ST	Urban Freeway	6	E	6,080	116,500	6,483	NB	3	0 F
108.22	Curry Ford Rd	East-West Expy	2.74	ST	Urban Freeway	6	E	6,080	112,500	6,261	NB	5	0 F
108.24	East-West Expy	Northern Extension	1.15	ST	Urban Freeway	4	E	3,940	88,500	4,925	SB	0	0 F
108.26	Northern Extension	Colonial Dr	0.75	ST	Urban Freeway	4	E	3,940	73,500	4,090	NB	0	0 F
108.28	Colonial Dr	University Blvd	2.27	ST	Urban Freeway	6	E	6,080	101,500	5,648	NB	0	432 E
108.3	University Blvd	Seminole County Line	1.08	ST	Urban Freeway	6	E	6,080	85,000	4,730	NB	0	1,350 D
<b><i>Central Florida Pkwy</i></b>													
50	Turkey Lake Rd	International Dr	1.38	Cnty	Urban - Class I	4	E	2,000	27,124	1,538	EB	254	208 C
51	International Dr	John Young Pkwy	1.96	Cnty	Urban - Class I	4	E	2,000	29,250	1,474	WB	76	450 C
52	John Young Pkwy	Orange Blossom Tr	1.22	Cnty	Urban - Class I	4	E	2,000	27,195	1,346	EB	53	601 C
<b><i>Challenger Pkwy</i></b>													
54.4	Colonial Dr (E)	Woodbury Rd	0.31	ST	Urban - Class I	4	E	2,000	25,996	1,310	NB	49	641 C



<i>ID</i>	<i>From</i>	<i>To</i>	<i>Lgth</i>	<i>Maint Agency</i>	<i>Capacity Group</i>	<i>Ln</i>	<i>Min LOS</i>	<i>Total Cap</i>	<i>AADT</i>	<i>PmPk</i>	<i>PkDir</i>	<i>Comm Trips</i>	<i>Avail Cap* LOS</i>
307.5	Princeton St	Silver Star Rd	0.46	ST	Urban - Class I	4	E	2,000	36,665	1,848	NB	0	152 C
308	Silver Star Rd	John Young Pkwy	1.49	ST	Urban - Class I	4	E	2,000	36,079	1,818	NB	0	182 C
308.1	John Young Pkwy	Clarcona-Ocoee Rd	1.42	ST	Urban - Class I	4	E	2,000	39,059	1,969	NB	0	31 D
309	Clarcona-Ocoee Rd	Rose Ave	0.79	ST	Urban - Class I	4	E	2,000	35,895	1,809	NB	2	189 C
309.5	Rose Ave	Seminole County Line	1.64	ST	Urban - Class I	4	E	2,000	33,872	1,707	NB	11	282 C
310	Seminole County Line	Piedmont-Wekiwa Rd	0.92	ST	Urban - Class I	4	E	2,000	33,372	1,682	NB	8	310 C
311	Piedmont-Wekiwa Rd	Roger Williams Rd	1.16	ST	Urban - Class I	4	E	2,000	28,657	1,444	WB	29	527 C
311.1	Roger Williams Rd	Semorán Blvd	1.04	ST	Urban - Class I	4	E	2,000	29,516	1,488	NB	41	471 C
312	Semorán Blvd	Park Ave	0.63	ST	Urban - Class II	4	E	1,700	43,187	2,021	NB	24	0 F
312.5	Park Ave	Western Bltwy	1.33	ST	Urban - Class I	4	E	2,000	43,639	2,160	SB	5	0 F
312.6	Western Bltwy	Plymouth Sorrento Rd	1.9	ST	Urban - Class I	4	E	2,000	31,647	1,595	NB	15	390 C
313	Plymouth Sorrento Rd	Ponkan Rd	3.71	ST	Artplan 2019028 Rural	4	D	2,160	35,600	1,860	NB	125	175 B
314	Ponkan Rd	Sadler Rd	1.91	ST	Artplan 2019028 Rural	4	D	2,160	35,600	1,860	NB	499	0 F
314.1	Sadler Rd	Earlwood Ave	1.06	ST	Artplan 2019028 Rural	4	D	2,160	26,000	1,299	NB	547	314 B
314.15	Earlwood Ave	Lake County Line	1.57	ST	Artplan 2019028 Rural	4	D	2,160	32,445	1,695	NB	452	13 B
<b>Orangewood Blvd</b>													
344	Beachline Expy	Central Florida Pkwy	0.96	Cnty	Urban - Class I	4	E	2,000	20,436	1,030	SB	23	947 C
<b>Orlando Ave</b>													
279	Orange Ave	Fairbanks Ave	0.5	ST	Urban - Class II	4	E	1,700	43,809	2,129	SB	0	0 F
280	Fairbanks Ave	Lee Rd	0.89	ST	Urban - Class II	4	E	1,700	42,327	1,943	SB	0	0 F
281	Lee Rd	Park Ave	0.5	ST	Urban - Class I	6	E	3,020	44,540	2,245	NB	0	775 C

**Appendix C**  
**Signal Timing Data**

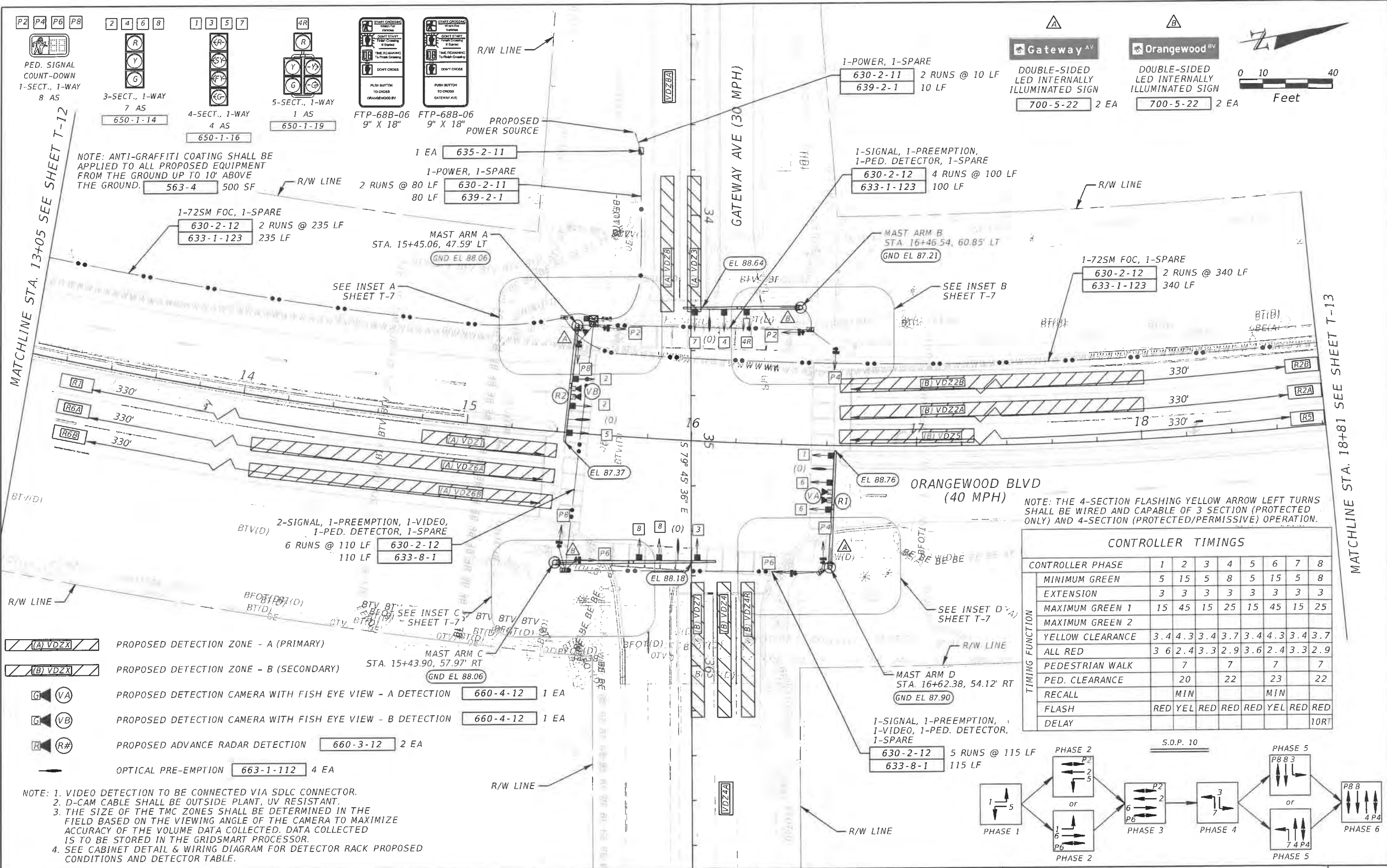


## CONSULTANT TIMING

ORANGE COUNTY TRAFFIC SIGNAL TIMING								
Intersection: Central Florida Parkway @ Gateway Avenue						Address: 268		
Equipment: Intelight			CDI:		CDO:		Date: 11/30/21	
BASIC TIMING								
Phase	1	2	3	4	5	6	7	8
Direction	EBL	WB		NB-SB	WBL	EB		
Min Green (sec)	5	15		5	5	15		
Vehicle Gap (sec)	3.0	3.0		2.7	3.0	3.0		
Max Green 1 (sec)	10	40		25	10	40		
Max Green 2 (sec)	10	40		25	10	40		
Yellow (sec)	4.8	4.8		3.7	4.8	4.8		
All-Red (sec)	2.6	2.0		3.0	2.4	2.0		
Walk (sec)		7		7		7		
Flash Don't Walk (sec)		23		29		20		
Recall/Memory	NL	SF/LK		NL	NL	SF/LK		
Delay (sec)								
Detector Switching	1>6				5>2			
Dual Entry		Y				Y		
Overlap								
Flash	5-Section	Y		R	5-Section	Y		
Speed (mph)	25	45		25	25	45		
Veh Distance (ft)	113	111		126	105	103		
Grade (%)	0.0	0.0		-0.5	0.0	0.0		
Ped Distance (ft)		90		110		80		
Ped Clearance (sec)		23		29		20		
COORDINATION PLANS								
Coordination Pattern	11	21	31	41	51	Day	Time	Pattern
Cycle	150	150	170	150	150	1	0:01	49
Split 1	20	25	30	25	25	1	7:00	51
Split 2	87	82	97	82	82	1	21:00	49
Split 3						2	0:01	49
Split 4	43	43	43	43	43	2	6:00	11
Split 5	20	20	15	20	20	2	9:00	21
Split 6	87	87	112	87	87	2	15:00	31
Split 7						2	19:00	41
Split 8	43	43	43	43	43	2	22:30	49
Offset	9	72	168	72	72	7	0:01	49
Lagging Phases	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0	7	6:00	51
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5	7	22:30	49
1								
2	3	4	5	6				
7								
Notes: 1. Referenced to Begin of Green 2. Force Mode: Float 3. Use Permissive Mode for coordination 4. Max Inhibit during Coordination								
						R1	1 2	4
						R2	5 6	

**Appendix D**  
**Signalization Plans for the intersection of Orangewood Boulevard and Gateway Avenue**





**Gateway AV**  
DOUBLE-SIDED LED INTERNALLY ILLUMINATED SIGN  
700-5-22 2 EA

**Orangewood BV**  
DOUBLE-SIDED LED INTERNALLY ILLUMINATED SIGN  
700-5-22 2 EA

0 10 40  
Feet

P2 P4 P6 P8

2 4 6 8

1 3 5 7

4R

3-SECT., 1-WAY  
7 AS  
650-1-14

4-SECT., 1-WAY  
4 AS  
650-1-16

5-SECT., 1-WAY  
1 AS  
650-1-19

FTP-68B-06  
9" X 18"

FTP-68B-06  
9" X 18"

PROPOSED POWER SOURCE

1 EA 635-2-11

1-POWER, 1-SPARE  
2 RUNS @ 80 LF 630-2-11  
80 LF 639-2-1

1-72SM FOC, 1-SPARE  
630-2-12 2 RUNS @ 235 LF  
633-1-123 235 LF

MAST ARM A  
STA. 15+45.06, 47.59' LT  
GND EL 88.06

MAST ARM B  
STA. 16+46.54, 60.85' LT  
GND EL 87.21

MAST ARM C  
STA. 15+43.90, 57.97' RT  
GND EL 88.06

MAST ARM D  
STA. 16+62.38, 54.12' RT  
GND EL 87.90

1-SIGNAL, 1-SPARE  
630-2-11 2 RUNS @ 10 LF  
639-2-1 10 LF

1-SIGNAL, 1-PREEMPTION,  
1-PED. DETECTOR, 1-SPARE  
630-2-12 4 RUNS @ 100 LF  
633-1-123 100 LF

1-72SM FOC, 1-SPARE  
630-2-12 2 RUNS @ 340 LF  
633-1-123 340 LF

2-SIGNAL, 1-PREEMPTION, 1-VIDEO,  
1-PED. DETECTOR, 1-SPARE  
6 RUNS @ 110 LF 630-2-12  
110 LF 633-8-1

1-SIGNAL, 1-PREEMPTION,  
1-VIDEO, 1-PED. DETECTOR,  
1-SPARE  
630-2-12 5 RUNS @ 115 LF  
633-8-1 115 LF

NOTE: THE 4-SECTION FLASHING YELLOW ARROW LEFT TURNS SHALL BE WIRED AND CAPABLE OF 3 SECTION (PROTECTED ONLY) AND 4-SECTION (PROTECTED/PERMISSIVE) OPERATION.

CONTROLLER TIMINGS								
CONTROLLER PHASE	1	2	3	4	5	6	7	8
MINIMUM GREEN	5	15	5	8	5	15	5	8
EXTENSION	3	3	3	3	3	3	3	3
MAXIMUM GREEN 1	15	45	15	25	15	45	15	25
MAXIMUM GREEN 2								
YELLOW CLEARANCE	3.4	4.3	3.4	3.7	3.4	4.3	3.4	3.7
ALL RED	3	6	2.4	3.3	2.9	3.6	2.4	3.3
PEDESTRIAN WALK	7	7	7	7	7	7	7	7
PED. CLEARANCE	20	22	22	23	23	22	22	22
RECALL	MIN		MIN		MIN		MIN	
FLASH	RED	YEL	RED	RED	RED	YEL	RED	RED
DELAY								10RT

- (A) VDZ(A) PROPOSED DETECTION ZONE - A (PRIMARY)
- (B) VDZ(B) PROPOSED DETECTION ZONE - B (SECONDARY)
- (G) (VA) PROPOSED DETECTION CAMERA WITH FISH EYE VIEW - A DETECTION 660-4-12 1 EA
- (G) (VB) PROPOSED DETECTION CAMERA WITH FISH EYE VIEW - B DETECTION 660-4-12 1 EA
- (R) (R#) PROPOSED ADVANCE RADAR DETECTION 660-3-12 2 EA
- OPTICAL PRE-EMPTION 663-1-112 4 EA

NOTE: 1. VIDEO DETECTION TO BE CONNECTED VIA SDLC CONNECTOR.  
 2. D-CAM CABLE SHALL BE OUTSIDE PLANT, UV RESISTANT.  
 3. THE SIZE OF THE TMC ZONES SHALL BE DETERMINED IN THE FIELD BASED ON THE VIEWING ANGLE OF THE CAMERA TO MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED. DATA COLLECTED IS TO BE STORED IN THE GRIDSART PROCESSOR.  
 4. SEE CABINET DETAIL & WIRING DIAGRAM FOR DETECTOR RACK PROPOSED CONDITIONS AND DETECTOR TABLE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOSHUA REICHERT, P.E.  
 P.E. LICENSE NUMBER 77036  
 METRIC ENGINEERING, INC.  
 11760 MARCO BEACH DRIVE, SUITE 1  
 JACKSONVILLE, FLORIDA 32224



**SIGNALIZATION PLAN**

SHEET NO.  
T-6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MATCHLINE STA. 13+05 SEE SHEET T-12

MATCHLINE STA. 18+81 SEE SHEET T-13

**Appendix E**  
**2045 Metropolitan Transportation Plan (MTP) Cost Feasible Plan, the Metroplan Orlando**  
**Transportation Improvement Program (TIP 2023-2027) and Orange County Long Range Transportation**  
**Plan (LRTP) 2030 Map**





2045

FUTURE DR.

BUS



2045

**Metropolitan Transportation Plan  
Cost Feasible Plan**  
*Strategies, Programs and Projects*

Adopted: December 9, 2020  
Revised: March 9, 2022



MTP ID#	County	Facility Name & Limits	Project Description	Length (miles)	Project Phase	Total Project Cost (2020 \$'s) <i>Shown in Millions</i>	Existing TIP: 2020-2025		Plan Period I: 2026-2030		Plan Period II: 2031-2035		Plan Period III: 2036-2045		Unfunded Needs	
							Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s
3214	Osceola	Central Ave From: Vine St - To: Jackson St	Operational / Safety	1.25	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.89		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.82
					ROW	\$ 1.33		\$ -		\$ -		\$ -		\$ -	ROW	\$ 2.73
					ENV	\$ 0.44		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.91
					CST	\$ 2.96		\$ -		\$ -		\$ -		\$ -	CST	\$ 6.08
					CEI	\$ 0.30		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.61
B19	Orange	TSM&O Improvements Bundle # B19 From: - To:	ITS/Technology improvements on McKey St from HM Bowness Rd to N Bluford Ave; ITS/Technology improvements on Story Rd from Maguire Rd to Bluford Ave S; ITS/Technology improvements on Maguire Rd from SR 50 / Colonial Dr to Franklin St	2.28	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.51		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.05
					ROW	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					ENV	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					CST	\$ 1.71		\$ -		\$ -		\$ -		\$ -	CST	\$ 3.50
					CEI	\$ 0.17		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.35
3017	Osceola	Pine Grove Rd From: US 192/441 / E Irlo Bronson Memorial Hwy - To: Nova Rd	ITS/Technology	2.00	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.45		\$ -		\$ -		\$ -		\$ -	PE	\$ 0.92
					ROW	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					ENV	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					CST	\$ 1.50		\$ -		\$ -		\$ -		\$ -	CST	\$ 3.08
					CEI	\$ 0.15		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.31
3107	Orange	International Dr From: Oak Ridge Rd - To: Central Florida Pkwy	ITS/Technology	5.97	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 1.34		\$ -		\$ -		\$ -		\$ -	PE	\$ 2.75
					ROW	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					ENV	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					CST	\$ 4.48		\$ -		\$ -		\$ -		\$ -	CST	\$ 9.18
					CEI	\$ 0.45		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.92
3229	Orange	Michigan St From: US 17/92 - To: Orange Ave S	Operational / Safety	1.31	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.93		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.92
					ROW	\$ 1.40		\$ -		\$ -		\$ -		\$ -	ROW	\$ 2.87
					ENV	\$ 0.47		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.96
					CST	\$ 3.11		\$ -		\$ -		\$ -		\$ -	CST	\$ 6.39
					CEI	\$ 0.31		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.64
3233	Orange	Westmoreland Dr From: W Gore St - To: W Washington St	Operational / Safety	0.87	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.62		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.28
					ROW	\$ 0.93		\$ -		\$ -		\$ -		\$ -	ROW	\$ 1.92
					ENV	\$ 0.31		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.64
					CST	\$ 2.08		\$ -		\$ -		\$ -		\$ -	CST	\$ 4.26
					CEI	\$ 0.21		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.43
B14	Orange	TSM&O Improvements Bundle # B14 From: - To:	ITS/Technology improvements on Old Cheney Hwy from N Semoran Blvd to E Colonial Dr; ITS/Technology improvements on Old Cheney Hwy from SR 50 / Colonial Dr to N Semoran Blvd	1.34	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.30		\$ -		\$ -		\$ -		\$ -	PE	\$ 0.62
					ROW	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					ENV	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					CST	\$ 1.00		\$ -		\$ -		\$ -		\$ -	CST	\$ 2.06
					CEI	\$ 0.10		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.21
3011	Osceola	Koa St From: New Castle Rd - To: Cypress Pkwy	ITS/Technology	3.59	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.81		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.66
					ROW	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					ENV	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					CST	\$ 2.69		\$ -		\$ -		\$ -		\$ -	CST	\$ 5.52
					CEI	\$ 0.27		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.55



MTP ID#	County	Facility Name & Limits	Project Description	Length (miles)	Project Phase	Total Project Cost (2020 \$'s) <i>Shown in Millions</i>	Existing TIP: 2020-2025		Plan Period I: 2026-2030		Plan Period II: 2031-2035		Plan Period III: 2036-2045		Unfunded Needs	
							Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s
B1	Orange	TSM&O Improvements Bundle # B1  From: - To:	Operational / Safety improvements on Rock Springs Rd Access Study (2 of 5) at Park Ave and Sandpiper St; Operational / Safety improvements on Rock Springs Rd Access Study (4 of 5) at Ustler Rd	0.79	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.56		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.16
					ROW	\$ 0.85		\$ -		\$ -		\$ -		\$ -	ROW	\$ 1.74
					ENV	\$ 0.28		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.58
					CST	\$ 1.88		\$ -		\$ -		\$ -		\$ -	CST	\$ 3.86
					CEI	\$ 0.19		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.39
B2	Orange	TSM&O Improvements Bundle # B2  From: - To:	Operational / Safety improvements on Rock Springs Rd Access Study (1 of 5) at Welch Rd; Operational / Safety improvements on Rock Springs Rd Access Study (5 of 5) at Lester Rd	0.79	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.56		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.16
					ROW	\$ 0.85		\$ -		\$ -		\$ -		\$ -	ROW	\$ 1.74
					ENV	\$ 0.28		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.58
					CST	\$ 1.88		\$ -		\$ -		\$ -		\$ -	CST	\$ 3.86
					CEI	\$ 0.19		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.39
B57	Seminole	TSM&O Improvements Bundle # B57  From: - To:	Operational / Safety improvements on Monroe Rd from North of SunRail Dr to US 17/92; Operational / Safety improvements on Monroe Rd from SunRail Dr to S of US 17-92	0.31	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.22		\$ -		\$ -		\$ -		\$ -	PE	\$ 0.46
					ROW	\$ 0.34		\$ -		\$ -		\$ -		\$ -	ROW	\$ 0.69
					ENV	\$ 0.11		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.23
					CST	\$ 0.74		\$ -		\$ -		\$ -		\$ -	CST	\$ 1.53
					CEI	\$ 0.07		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.15
3106	Orange	International Dr  From: Central Florida Pkwy - To: World Center Dr	ITS/Technology	4.40	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.99		\$ -		\$ -		\$ -		\$ -	PE	\$ 2.03
					ROW	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					ENV	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					CST	\$ 3.30		\$ -		\$ -		\$ -		\$ -	CST	\$ 6.77
					CEI	\$ 0.33		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.68
3137	Orange	Wyndham Lakes Blvd  From: at Atherton Dr - To: -	Operational / Safety	0.40	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.28		\$ -		\$ -		\$ -		\$ -	PE	\$ 0.58
					ROW	\$ 0.42		\$ -		\$ -		\$ -		\$ -	ROW	\$ 0.87
					ENV	\$ 0.14		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.29
					CST	\$ 0.94		\$ -		\$ -		\$ -		\$ -	CST	\$ 1.93
					CEI	\$ 0.09		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.19
3171	Seminole	McNeil Rd  From: Bear Lake Rd - To: S Pearl Lake Cswy	Operational / Safety	1.00	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.72		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.47
					ROW	\$ 1.07		\$ -		\$ -		\$ -		\$ -	ROW	\$ 2.20
					ENV	\$ 0.36		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.73
					CST	\$ 2.39		\$ -		\$ -		\$ -		\$ -	CST	\$ 4.89
					CEI	\$ 0.24		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.49
3236	Orange	Summerlin Ave  From: E Church St - To: E Robinson St	Operational / Safety	0.36	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 0.26		\$ -		\$ -		\$ -		\$ -	PE	\$ 0.52
					ROW	\$ 0.38		\$ -		\$ -		\$ -		\$ -	ROW	\$ 0.79
					ENV	\$ 0.13		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.26
					CST	\$ 0.85		\$ -		\$ -		\$ -		\$ -	CST	\$ 1.75
					CEI	\$ 0.09		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.17
3176	Seminole	Rinehart Rd  From: H.E Thomas Jr Pkwy - To: W 1st St	Operational / Safety	2.29	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
					PE	\$ 1.63		\$ -		\$ -		\$ -		\$ -	PE	\$ 3.34
					ROW	\$ 2.45		\$ -		\$ -		\$ -		\$ -	ROW	\$ 5.02
					ENV	\$ 0.82		\$ -		\$ -		\$ -		\$ -	ENV	\$ 1.67
					CST	\$ 5.44		\$ -		\$ -		\$ -		\$ -	CST	\$ 11.15
					CEI	\$ 0.54		\$ -		\$ -		\$ -		\$ -	CEI	\$ 1.11



MTP ID#	Facility Name & Limits	Project Description	Length (miles)	Project Phase	Total Project Cost (2020 \$'s) <i>Shown in Millions</i>	Existing TIP: 2020-2025		Plan Period I: 2026-2030		Plan Period II: 2031-2035		Plan Period III: 2036-2045		Unfunded Needs	
						Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s	Phase	YOE \$'s
7583	Tradeshow Blvd From: Universal Blvd - To: Destination Pkwy	Complete Streets with Transit Lanes	0.60	PD&E			\$ -		\$ -		\$ -		\$ -		\$ -
				PE	\$ 1.73	PE	\$ 1.73		\$ -		\$ -		\$ -		\$ -
				ROW			\$ -		\$ -		\$ -		\$ -		\$ -
				ENV			\$ -		\$ -		\$ -		\$ -		\$ -
				CST	\$ 9.22		\$ -		\$ -		\$ -		\$ -	CST	\$ 18.90
				CEI	\$ 1.15		\$ -		\$ -		\$ -		\$ -	CEI	\$ 2.36
2141	John Young Pkwy From: 33rd St - To: SR 408	Operational / Safety (Freight Bottleneck)	2.54	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
				PE	\$ 1.14		\$ -		\$ -		\$ -		\$ -	PE	\$ 2.34
				ROW	\$ 1.71		\$ -		\$ -		\$ -		\$ -	ROW	\$ 3.51
				ENV	\$ 0.57		\$ -		\$ -		\$ -		\$ -	ENV	\$ 1.17
				CST	\$ 3.81		\$ -		\$ -		\$ -		\$ -	CST	\$ 7.80
				CEI	\$ 0.38		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.78
2160	John Young Pkwy From: LB McLeod - To: Church Street	Complete Streets / Safety / Ops	2.19	PD&E	\$ 1.09		\$ -		\$ -		\$ -		\$ -	PD&E	\$ 2.24
				PE	\$ 3.28		\$ -		\$ -		\$ -		\$ -	PE	\$ 6.73
				ROW	\$ 4.92		\$ -		\$ -		\$ -		\$ -	ROW	\$ 10.09
				ENV	\$ 1.64		\$ -		\$ -		\$ -		\$ -	ENV	\$ 3.36
				CST	\$ 10.94		\$ -		\$ -		\$ -		\$ -	CST	\$ 22.42
				CEI	\$ 1.09		\$ -		\$ -		\$ -		\$ -	CEI	\$ 2.24
2004	John Young Pkwy From: Ball Park Rd - To: Town Loop Blvd	ITS/Technology	1.68	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
				PE	\$ 0.38		\$ -		\$ -		\$ -		\$ -	PE	\$ 0.77
				ROW	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
				ENV	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
				CST	\$ 1.26		\$ -		\$ -		\$ -		\$ -	CST	\$ 2.58
				CEI	\$ 0.13		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.26
2086	John Young Pkwy From: Whisper Lakes Blvd - To: Central Florida Pkwy	Operational / Safety	0.93	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
				PE	\$ 0.66		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.35
				ROW	\$ 0.99		\$ -		\$ -		\$ -		\$ -	ROW	\$ 2.03
				ENV	\$ 0.33		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.68
				CST	\$ 2.20		\$ -		\$ -		\$ -		\$ -	CST	\$ 4.50
				CEI	\$ 0.22		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.45
2087	John Young Pkwy From: Central Florida Pkwy - To: SR 528	Operational / Safety	0.66	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
				PE	\$ 0.47		\$ -		\$ -		\$ -		\$ -	PE	\$ 0.96
				ROW	\$ 0.71		\$ -		\$ -		\$ -		\$ -	ROW	\$ 1.45
				ENV	\$ 0.24		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.48
				CST	\$ 1.57		\$ -		\$ -		\$ -		\$ -	CST	\$ 3.21
				CEI	\$ 0.16		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.32
2088	John Young Pkwy From: Southpark Cir - To: Sand Lake Road	Operational / Safety	0.81	PD&E	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
				PE	\$ 0.57		\$ -		\$ -		\$ -		\$ -	PE	\$ 1.18
				ROW	\$ 0.86		\$ -		\$ -		\$ -		\$ -	ROW	\$ 1.77
				ENV	\$ 0.29		\$ -		\$ -		\$ -		\$ -	ENV	\$ 0.59
				CST	\$ 1.91		\$ -		\$ -		\$ -		\$ -	CST	\$ 3.92
				CEI	\$ 0.19		\$ -		\$ -		\$ -		\$ -	CEI	\$ 0.39

**DRAFT**

**FY 2022/23 - 2026/27**

**Orlando Urban Area**

**Transportation Improvement Program**

**To be adopted by the MetroPlan Orlando Board on July 27, 2022**



**MetroPlan Orlando**  
**Transportation Improvement Program**  
**Federal & State Funded Regionally Significant Highway Projects**

**Interstate Projects**

Project Number	Project Name	From	To	Work Description	TIP Page #	Changes from FY 2021/22 - 2025/26 TIP
<i>Orange County</i>						
242484-7	I-4 Beyond the Ultimate	W of SR 528/Beachline Expy.	W of SR 435/Kirkman Rd.	Add 4 Managed Lanes	IV-2	No change
242484-8	I-4 Beyond the Ultimate	E of Osceola Pkwy.	W of SR 528/Beachline Expy.	Add 4 Managed Lanes	IV-2	No change
441113-1	I-4	at Daryl Carter Pkwy.		New Interchange	IV-2	No change
444315-1	I-4 at Sand Lake Rd.	W of SR 528	SR 435/Kirkman Rd.	Interchange/Express Lane	IV-2	No change
448914-1	I-4	E of SR 535	W of SR 535	Improve Interchange	IV-2	Construction added for 2022/23
448915-1	I-4	E of SR 528	W of SR 528/Beachline Expy.	Improve Interchange	IV-2	Construction added for 2022/23
<i>Seminole County</i>						
242592-4	I-4 Beyond the Ultimate	E of SR 434	E of SR 15/600/US 17/92	Add 4 Managed Lanes	IV-3	No change
<i>Orange &amp; Seminole Counties</i>						
432193-1	I-4 Ultimate	W of SR 435/Kirkman Rd.	E of SR 434	Add 4 Managed Lanes	IV-3	Construction completed/maintenance underway

**State Highway Projects**

<i>Orange County</i>						
239203-7	SR 50	E. Old Cheney Hwy.	Chuluota Rd.	Widen to 6 Lanes	V-2	Construction moved from 2023/24 to 2026/27
239203-8	SR 50	Chuluota Rd.	SR 520	Widen to 6 Lanes	---	Construction moved from 2024/25 to beyond 2026/27
239422-1	SR 434/Forest City Rd.	SR 424/Edgewater Dr.	Orange/Seminole Co. Line	Widen to 6 Lanes	V-2	Construction moved from 2022/23 to 2026/27
<i>Osceola County</i>						
418403-3	John Young Pkwy.	Pleasant Hill Rd.	Portage St.	Widen to 6 Lanes	V-4	ROW funding added through 2026/27
418403-6	John Young Pkwy.	at Pleasant Hill Rd.		Interim Intersection Improvement	V-4	No change
437200-1	US 17/92	CR 54	W of Poinciana Blvd.	Widen to 4 Lanes	V-4	No change

⓪ Projects without TIP page numbers were included in the FY 2021/22 -2025/26 TIP but are not included in the FY 2022/23 -2026/27 TIP since they are now under construction or were removed from the new TIP.



**MetroPlan Orlando**  
**Transportation Improvement Program**  
Interstate Highway Projects  
*Orange County*

FDOT Financial Management Number	Project Name or Designation	Project Description				2045 MTP Reference	Historic Cost Prior to 2022/23 (\$000's)	Project Status and Cost (\$000's)							Estimated Future Cost After 2026/27 (\$000's)	Total Project Cost (\$000's)	Responsible Agency	
		From	To	Length (Miles)	Work Description			2022/23	2023/24	2024/25	2025/26	2026/27	Funding Sources	Project Phases				
242484-7 <i>SIS Project</i>	I-4 Beyond the Ultimate	W of SR 528/Beachline Expy.	W of SR 435/Kirkman Rd.	2.80	Add 4 Managed Lanes	Cost Feas. Plan Table 6		30	0	0	0	0	0	ACNP	PE			FDOT
								11,676	0	0	0	0	0	ACNP	ROW			
								50	50	0	0	0	0	DIH	ROW			
								<b>44,596</b>	<b>11,756</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>967,381</b>	<b>1,023,783</b>	
242484-8 <i>SIS Project</i>	I-4 Beyond the Ultimate	E of SR 522/Osceola Pkwy.	W of SR 528/Beachline Expy.	5.65	Add 4 Managed Lanes	Cost Feas. Plan Table 6		68,096	2,266	12,003	315	0	0	ACNP	ROW			FDOT
								28,319	0	0	2,861	0	0	BNIR	ROW			
								<b>403,610</b>	<b>96,415</b>	<b>2,266</b>	<b>12,003</b>	<b>3,176</b>	<b>0</b>	<b>Total</b>		<b>TBD</b>	<b>TBD</b>	
437555-1 <i>SIS Project</i>	I-4 Downtown Improvement	S of W. Church St.	N of W. Washington St.	0.28	Urban Corridor Improvements	Tech. Series 12 Page 12-6 E+C		14,394	0	0	0	0	0	LF	CST			FDOT
								512	0	0	0	0	0	TRIP	CST			
								3,238	0	0	0	0	0	TRWR	CST			
								<b>1,750</b>	<b>18,144</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>19,894</b>	
441113-1 <i>SIS Project</i>	I-4	at Daryl Carter Pkwy.		1.78	New Interchange	Cost Feas. Plan Table 6		0	0	103	0	0	0	ACNP	CST			FDOT
								<b>68,771</b>	<b>0</b>	<b>0</b>	<b>103</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>68,874</b>	
441113-2 <i>SIS Project</i>	I-4	at Daryl Carter Pkwy.		3.03	Landscaping	Cost Feas. Plan Table 6		0	0	909	0	0	0	DDR	CST			FDOT
								0	0	11	0	0	0	DIH	CST			
								<b>0</b>	<b>0</b>	<b>920</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>920</b>	
444315-1 <i>SIS Project</i>	I-4 at Sand Lake Rd.	W of SR 528	W of SR 435/Kirkman Rd.	6.78	Improve Interchange & Express Lanes	Cost Feas. Plan Table 6		0	2,000	0	0	0	0	ACNP	INC			FDOT
								0	0	287	0	0	0	ACNP	DSB			
								155	0	0	0	0	0	DDR	DSB			
								<b>222,196</b>	<b>155</b>	<b>2,000</b>	<b>287</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>224,638</b>	
448520-1 <i>SIS Project</i> <i>new project</i>	I-4	SR 435/Kirkman Rd.	Ivanhoe Blvd.	9.64	Other ITS	Cost Feas. Plan Page 17		21	0	0	0	0	0	DIH	CST			FDOT
								5,029	0	0	0	0	0	DS	CST			
								<b>0</b>	<b>5,050</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>5,050</b>	
448914-1 <i>SIS Project</i>	I-4	E of SR 535	W of SR 535		Improve Interchange	Cost Feas. Plan Table 6		60,373	0	0	0	0	0	ARPA	CST			FDOT
								105	0	0	0	0	0	DIH	CST			
								<b>5,250</b>	<b>70,578</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>75,828</b>	
448915-1 <i>SIS Project</i>	I-4	E of SR 528	W of SR 528		Improve Interchange	Cost Feas. Plan Table 6		13,552	0	0	0	0	0	ARPA	CST			FDOT
								51	0	0	0	0	0	DIH	CST			
								<b>2,010</b>	<b>13,603</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>15,613</b>	
449771-1 <i>SIS Project</i>	I-4	W of SR 536	W of Daryl Carter Pkwy.		Westbound Single Buffer Express Lane	Cost Feas. Plan Table 6		27,566	0	0	0	0	0	ARPA	DSB			FDOT
								<b>26,500</b>	<b>27,566</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>		<b>0</b>	<b>54,066</b>	

**Appendix F**  
**Lynx Transit Development Plan FY 2022-2031**



# TRANSIT DEVELOPMENT PLAN

2022 Annual Update

Plan Years: FY 2022 – 2031



CENTRAL FLORIDA REGIONAL TRANSPORTATION AGENCY

August 2021



LYNX initiates service changes to improve system-wide efficiency three times each calendar year. During the review period for this update, there were three service changes that went into effect on December 13, 2020, April 25, 2021, and August 22, 2021.

**December 2020 Service Changes**

There was one major adjustments proposed during the December 2020 service change.

**Table 1** indicates all the service changes that went into effect December 13, 2020.

**Table 1: December 2020 Service Changes**

<b>Adjusted Schedule Times (minor adjustments)</b>
Links 8, 10, 18, 36, 40, 51, 55, 105, 108, 303, 319, 436N, NeighborLink 621
<b>Adjusted Routes/Service Reductions</b>
<p>Link 8 – W. Oak Ridge Road/International Drive (Orange County) – Route will operate along Westmoreland Drive, Gore Street, Orange Blossom Trail and will not serve Grand Street.</p> <p>Link 36 – Lake Richmond (Orange County) – Reduce Saturday frequency to 60 minutes and operate via the Sunday routing. No Sunday service to 34<sup>th</sup> Street, St. Valentine Way, 36<sup>th</sup> Street and Barack Obama Parkway.</p> <p>Link 55 – West U.S. 192/Crosstown (Osceola County/Lake County) – Sunday service will extend via Colonial Drive, Blackwood Ave, Old Winter Garden Road, and Bluford Avenue to Colonial Drive. Sunday only, buses will serve the West Oaks SuperStop on inbound trips and will not operate to the main mall entrance.</p> <p>Link 319 – Richmond Heights (Orange County) – Route will operate along Gore Street, Orange Blossom Trail, Grand Street and Parramore Avenue. NeighborLink 641 – Williamsburg (Orange County) – The service zone will be extended east to International Drive, north to Convention Way and west to Universal Boulevard to serve Rosen Shingle Creek.</p>
<b>Major Adjustments</b>
NeighborLink 621 – Bithlo (Orange County) – Route will extend to Sophie Boulevard and serve Waterford Lakes Town Center. Fixed-route service will be eliminated in Avalon Park and Bithlo and converted to zone service Frequency will change to every 60 minutes.

**April 2021 Service Changes**

There were no major adjustments proposed during the April 2021 service change. **Table 2** indicates all the service changes that were implemented on April 25, 2021.

**Table 2: April 2021 Service Changes**

<b>Adjusted Schedule Times (minor adjustments)</b>
Links 34, 51,104
<b>Adjusted Routes</b>

Link#	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
NeighborLink 652 Maitland (Change to NL 852)								Increase Hours of Service		
NeighborLink 641 Williamsburg								Increase Hours of Service		
<b>Proposed New Routes</b>										
100 (Core)								Add New Service		
101 (Core) (436S/112)								Add New Service		
102 (Core) (106, 107 & 8)								Add New Service		
103 (Core) (125)								Add New Service		
104 (Core) SR 50 (28, 29, 48, 49, 104, & 105)								Add New Service		
105 (Core) (21, 37 & 38) Kirkman Rd- Pine Hills/Universal								Add New Service		
106 (Core) (7, 11 & 18) Orange Ave								Add New Service		
107 (Core) (8, 42 & 111) Oak Ridge Rd - Universal/OIA								Add New Service		
108 (Core) (8 & 50) International Drive								Add New Service		
109 (Core) US 192 (56)								Add New Service		

Service Type/Mode	Description	Headway (minutes)			Vehicle Hours			Vehicle Miles			Annual Days of Service			Annual Hours	Annual Miles	Annual Operating Cost 2021
		Weekday	Saturday	Sunday	Weekday	Saturday	Sunday	Weekday	Saturday	Sunday	Weekday	Saturday	Sunday			
Link 441 (FastLink)	Maintain Existing Fixed Route Service	60	0	0	33.16	0.00	0.00	528.30	0.00	0.00	256	52	57	8,489	135,245	\$888,030
Link 443	Maintain Existing Fixed Route Service	60	60	60	43.11	34.12	24.58	461.17	443.78	349.38	256	52	57	14,211	161,051	\$1,486,661
Kissimmee Circulator 709	Maintain Existing Fixed Route Service				27.03	0.00	0.00	316.58	0.00	0.00	256	52	57	6,920	81,044	\$723,868
<b>Maintain Existing NeighborLink On-Demand Zone Based Services</b>																
NeighborLink 601 Poinciana	Maintain Existing NeighborLink Service	60	60	0	13.17	13.17	0.00				256	52	57	4,056	0	\$194,141
NeighborLink 603 Southwest Poinciana	Maintain Existing NeighborLink Service	60	60	0	0.00	0.00	0.00				256	52	57	0	0	\$0
NeighborLink 604 Intercession City - Campbell City	Maintain Existing NeighborLink Service	60	0	0	6.33	0.00	0.00				256	52	57	1,620	0	\$77,572
NeighborLink 611 Ocoee	Maintain Existing NeighborLink Service	60	60	0	14.17	14.17	0.00				256	52	57	4,364	0	\$208,885
NeighborLink 612 Winter Garden	Maintain Existing NeighborLink Service	60	60	0	13.67	13.67	0.00				256	52	57	4,210	0	\$201,550
NeighborLink 613 Pine Hills	Maintain Existing NeighborLink Service	60	60	0	13.17	13.17	0.00				256	52	57	4,056	0	\$194,141
NeighborLink 621 E. Colonial Dr. / Bithlo	Maintain Existing NeighborLink Service	90	90	0	14.25	14.25	0.00				256	52	57	4,389	0	\$210,101
NeighborLink 622 Oviedo	Maintain Existing NeighborLink Service	60	60	0	13.35	13.35	0.00				256	52	57	4,112	0	\$196,832
NeighborLink 631 Buena Ventura Lakes	Maintain Existing NeighborLink Service	60	0	0	15.67	0.00	0.00				256	52	57	4,012	0	\$192,031
NeighborLink 632 North Kissimmee	Maintain Existing NeighborLink Service	60	0	0	14.37	0.00	0.00				256	52	57	3,679	0	\$176,100
NeighborLink 641 Williamsburg	Maintain Existing NeighborLink Service	60	60	0	13.00	13.00	0.00				256	52	57	4,004	0	\$191,671
NeighborLink 651 Goldsboro	Maintain Existing NeighborLink Service	60	60	0	15.91	15.91	0.00				256	52	57	4,900	0	\$234,576
NeighborLink 652 Maitland	Maintain Existing NeighborLink Service	60	0	0	3.75	0.00	0.00				256	52	57	960	0	\$45,955
<b>Maintain Other Existing Services &amp; Purchased Transportation</b>																
Paratransit Service (Access LYNX)	Maintain Existing Paratransit Service	0	0	0	1551.64	867.38	567.60				256	52	57	474,677	0	\$34,700,199
Road Ranger Service	Maintain Existing	0	0	0	79.90	103.52	103.52				256	52	57	31,738	0	\$1,420,258
<b>Fixed Route/Fixed Guideway/NeighborLink Improvements or Changes</b>																
Link 1 (includes Sun rail connection)	Eliminate Service	60	60	0	-32.30	-22.42	0.00	-333.05	-301.25	0.00	256	52	57	(9,435)	(100,926)	-\$986,958
Link 3	Eliminate Service	60	60	60	-44.23	-40.35	-36.32	-580.27	-584.01	-469.07	256	52	57	(15,491)	(205,655)	-\$1,620,547
Link 6	Eliminate Service	60	60	0	-15.31	-14.59	0.00	-224.27	-210.75	0.00	256	52	57	(4,678)	(68,372)	-\$489,370
Link 7	Eliminate Service	60	60	60	-35.50	-33.27	-26.19	-421.39	-391.47	-330.06	256	52	57	(12,311)	(147,046)	-\$1,287,840
Link 8	Eliminate Service	15	30	30	-236.20	-157.41	-136.33	-3344.12	-2070.07	-1809.87	256	52	57	(76,423)	(1,066,901)	-\$7,994,645



Service Type/Mode	Description	Implementation Year	Annual Operating Cost 2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>Maintain Existing Fixed Route/Fixed Guideway</b>													
NeighborLink 604 Intercession City - Campbell City	Maintain Existing NeighborLink Service	2018	\$77,572	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 611 Ocoee	Maintain Existing NeighborLink Service	2018	\$208,885	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 612 Winter Garden	Maintain Existing NeighborLink Service	2018	\$201,550	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 613 Pine Hills	Maintain Existing NeighborLink Service	2018	\$194,141	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 621 E. Colonial Dr. / Bithlo	Maintain Existing NeighborLink Service	2018	\$210,101	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 622 Oviedo	Maintain Existing NeighborLink Service	2018	\$196,832	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 631 Buena Ventura Lakes	Maintain Existing NeighborLink Service	2018	\$192,031	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 632 North Kissimmee	Maintain Existing NeighborLink Service	2018	\$176,100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 652 Maitland	Maintain Existing NeighborLink Service	2018	\$45,955	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 651 Goldsboro	Maintain Existing NeighborLink Service	2018	\$234,576	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NeighborLink 641 Williamsburg	Maintain Existing NeighborLink Service	2018	\$191,671	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Maintain Other Existing Services &amp; Purchased Transportation</b>													
Paratransit Service (Access LYNX)	Maintain Existing Paratransit Service	2018	\$34,700,199	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Road Ranger Service	Maintain Existing	2018	\$1,420,258	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Fixed Route/Fixed Guideway Improvements</b>													
Link 1 (includes Sun rail connection)	Eliminate Service	2029	-\$986,958	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 3	Eliminate Service	2029	-\$1,620,547	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 6	Eliminate Service	2029	-\$489,370	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 7	Eliminate Service	2029	-\$1,287,840	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 8	Eliminate Service	2029	-\$7,994,645	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 9 (includes SunRail connection)	Eliminate Service	2029	-\$1,212,738	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 10	Eliminate Service	2029	-\$2,448,684	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 11 (includes SunRail connection)	Eliminate Service	2029	-\$2,098,902	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 13	Eliminate Service	2029	-\$1,838,965	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 15	Eliminate Service	2029	-\$2,404,403	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 18 (includes SunRail connection)	Eliminate Service	2029	-\$2,062,512	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 20	Eliminate Service	2029	-\$1,186,804	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 21	Eliminate Service	2029	-\$3,829,805	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 23 (includes SunRail connection)	Eliminate Service	2029	-\$1,103,288	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 24	Eliminate Service	2029	-\$505,004	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 25	Eliminate Service	2029	-\$1,874,135	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 26	Eliminate Service	2029	-\$1,784,966	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 28	Eliminate Service	2029	-\$1,868,840	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 29	Eliminate Service	2029	-\$1,864,256	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 34 (includes SunRail connection)	Eliminate Service	2029	-\$1,082,081	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 36	Eliminate Service	2029	-\$1,486,473	No	No	No	No	No	No	No	Yes	Yes	Yes
Link 37	Eliminate Service	2029	-\$4,661,508	No	No	No	No	No	No	No	Yes	Yes	Yes



Service Type/Mode	Description	Annual Operating Cost 2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Link 443	Maintain Existing Fixed Route Service	\$1,486,661	\$1,512,380	\$1,538,544	\$1,565,161	\$1,592,238	\$1,619,784	\$1,647,806	\$1,676,313	\$1,705,314	\$1,734,816	\$1,764,828	\$16,357,184
Kissimmee Circulator 709	Maintain Existing Fixed Route Service	\$723,868	\$736,391	\$749,130	\$762,090	\$775,274	\$788,687	\$802,331	\$816,211	\$830,332	\$844,696	\$859,310	\$7,964,451
NeighborLink 601 Poinciana	Maintain Existing NeighborLink Service	\$194,141	\$197,500	\$200,917	\$204,392	\$207,928	\$211,526	\$215,185	\$218,908	\$222,695	\$226,547	\$230,467	\$2,136,064
NeighborLink 604 Intercession City - Campbell City	Maintain Existing NeighborLink Service	\$77,572	\$78,914	\$80,280	\$81,668	\$83,081	\$84,519	\$85,981	\$87,468	\$88,981	\$90,521	\$92,087	\$853,500
NeighborLink 611 Ocoee	Maintain Existing NeighborLink Service	\$208,885	\$212,499	\$216,175	\$219,915	\$223,719	\$227,590	\$231,527	\$235,533	\$239,607	\$243,752	\$247,969	\$2,298,287
NeighborLink 612 Winter Garden	Maintain Existing NeighborLink Service	\$201,550	\$205,037	\$208,584	\$212,192	\$215,863	\$219,598	\$223,397	\$227,262	\$231,193	\$235,193	\$239,262	\$2,217,580
NeighborLink 613 Pine Hills	Maintain Existing NeighborLink Service	\$194,141	\$197,500	\$200,917	\$204,392	\$207,928	\$211,526	\$215,185	\$218,908	\$222,695	\$226,547	\$230,467	\$2,136,064
NeighborLink 621 E. Colonial Dr. / Bithlo	Maintain Existing NeighborLink Service	\$210,101	\$213,736	\$217,434	\$221,195	\$225,022	\$228,915	\$232,875	\$236,904	\$241,002	\$245,172	\$249,413	\$2,311,669
NeighborLink 622 Oviedo	Maintain Existing NeighborLink Service	\$196,832	\$200,237	\$203,701	\$207,225	\$210,810	\$214,457	\$218,167	\$221,942	\$225,781	\$229,687	\$233,661	\$2,165,669
NeighborLink 631 Buena Ventura Lakes	Maintain Existing NeighborLink Service	\$192,031	\$195,354	\$198,733	\$202,171	\$205,669	\$209,227	\$212,847	\$216,529	\$220,275	\$224,086	\$227,962	\$2,112,852
NeighborLink 632 North Kissimmee	Maintain Existing NeighborLink Service	\$176,100	\$179,147	\$182,246	\$185,399	\$188,606	\$191,869	\$195,189	\$198,565	\$202,001	\$205,495	\$209,050	\$1,937,567
NeighborLink 652 Maitland	Maintain Existing NeighborLink Service	\$45,955	\$46,750	\$47,559	\$48,382	\$49,219	\$50,070	\$50,936	\$51,818	\$52,714	\$53,626	\$54,554	\$505,628
NeighborLink 651 Goldsboro	Maintain Existing NeighborLink Service	\$234,576	\$238,635	\$242,763	\$246,963	\$251,235	\$255,582	\$260,003	\$264,501	\$269,077	\$273,732	\$278,468	\$2,580,958
NeighborLink 641 Williamsburg	Maintain Existing NeighborLink Service	\$191,671	\$194,987	\$198,361	\$201,792	\$205,283	\$208,835	\$212,448	\$216,123	\$219,862	\$223,665	\$227,535	\$2,108,891
<b>Maintain Other Existing Services &amp; Purchased Transportation</b>		<b>\$36,120,457</b>	<b>\$36,745,341</b>	<b>\$37,381,035</b>	<b>\$38,027,727</b>	<b>\$38,685,607</b>	<b>\$39,354,868</b>	<b>\$40,035,707</b>	<b>\$40,728,325</b>	<b>\$41,432,925</b>	<b>\$42,149,714</b>	<b>\$42,878,904</b>	<b>\$397,420,154</b>
Paratransit Service (Access LYNX)	Maintain Existing Paratransit Service	\$34,700,199	\$35,300,512	\$35,911,211	\$36,532,475	\$37,164,487	\$37,807,433	\$38,461,501	\$39,126,885	\$39,803,780	\$40,492,386	\$41,192,904	\$381,793,576
Road Ranger Service	Maintain Existing	\$1,420,258	\$1,444,828	\$1,469,824	\$1,495,252	\$1,521,120	\$1,547,435	\$1,574,206	\$1,601,440	\$1,629,144	\$1,657,329	\$1,686,000	\$15,626,578
<b>Fixed Route/Fixed Guideway Improvements</b>		<b>\$196,429,432</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,144,521</b>	<b>\$5,233,521</b>	<b>\$5,324,061</b>	<b>\$5,416,167</b>	<b>\$224,604,896</b>	<b>\$228,490,561</b>	<b>\$232,443,448</b>	<b>\$706,657,175</b>
Link 1 (includes Sun rail connection)	Eliminate Service	-\$986,958	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,132,116	-\$1,151,702	-\$1,171,626	-\$3,455,443
Link 3	Eliminate Service	-\$1,620,547	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,858,891	-\$1,891,050	-\$1,923,765	-\$5,673,707
Link 6	Eliminate Service	-\$489,370	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$561,345	-\$571,056	-\$580,935	-\$1,713,335
Link 7	Eliminate Service	-\$1,287,840	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,477,251	-\$1,502,807	-\$1,528,806	-\$4,508,865
Link 8	Eliminate Service	-\$7,994,645	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$9,170,468	-\$9,329,117	-\$9,490,511	-\$27,990,097
Link 9 (includes SunRail connection)	Eliminate Service	-\$1,212,738	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,391,104	-\$1,415,170	-\$1,439,652	-\$4,245,926
Link 10	Eliminate Service	-\$2,448,684	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$2,808,827	-\$2,857,420	-\$2,906,853	-\$8,573,101
Link 11 (includes SunRail connection)	Eliminate Service	-\$2,098,902	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$2,407,601	-\$2,449,253	-\$2,491,625	-\$7,348,479
Link 13	Eliminate Service	-\$1,838,965	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$2,109,434	-\$2,145,927	-\$2,183,052	-\$6,438,412
Link 15	Eliminate Service	-\$2,404,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$2,758,034	-\$2,805,748	-\$2,854,288	-\$8,418,071
Link 18 (includes SunRail connection)	Eliminate Service	-\$2,062,512	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$2,365,859	-\$2,406,788	-\$2,448,425	-\$7,221,072
Link 20	Eliminate Service	-\$1,186,804	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,361,354	-\$1,384,906	-\$1,408,865	-\$4,155,125



0 1.5 3  
1 Inch = 3 Miles

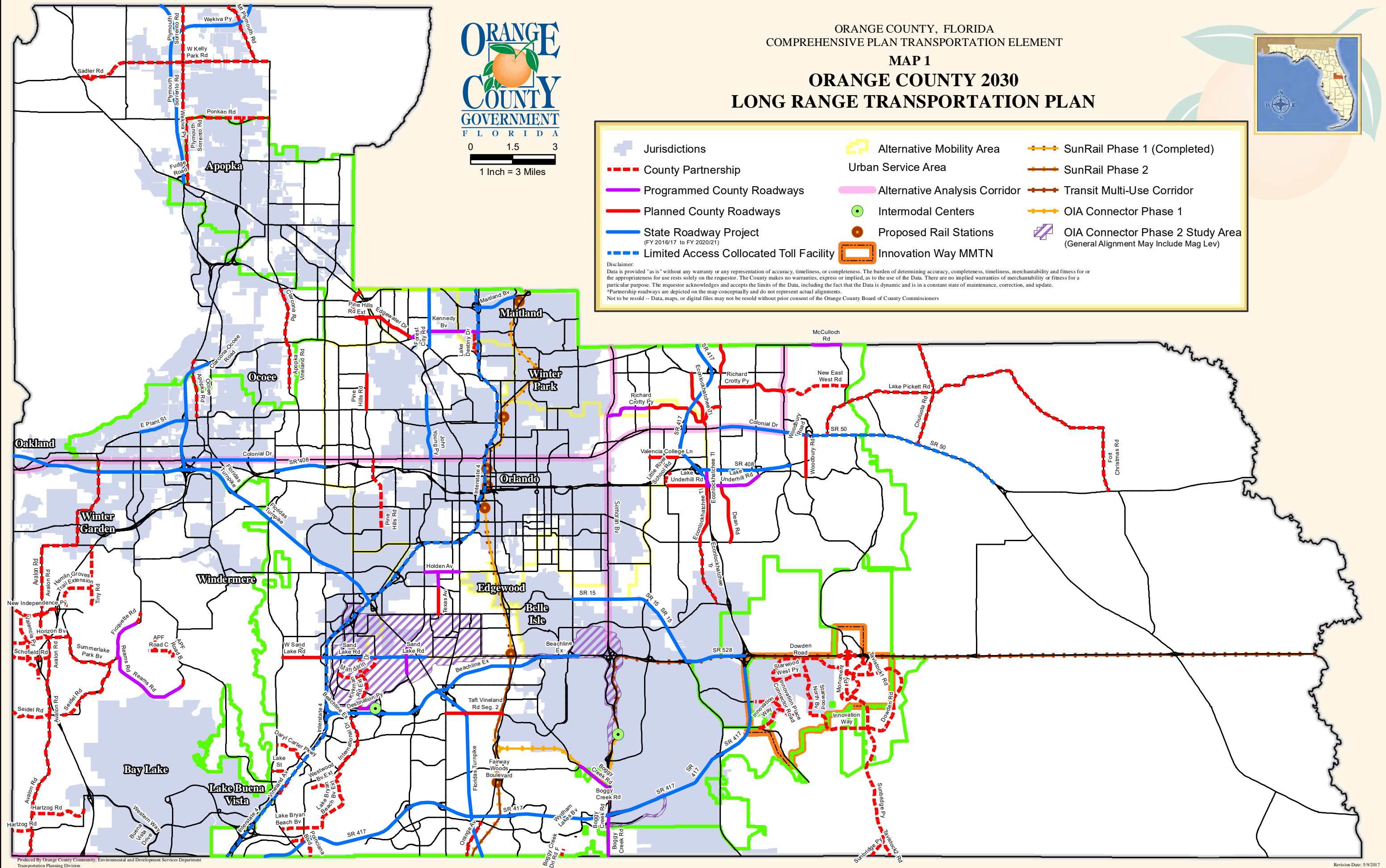
ORANGE COUNTY, FLORIDA  
COMPREHENSIVE PLAN TRANSPORTATION ELEMENT

MAP 1  
ORANGE COUNTY 2030  
LONG RANGE TRANSPORTATION PLAN



	Jurisdictions		Alternative Mobility Area		SunRail Phase 1 (Completed)
	County Partnership		Urban Service Area		SunRail Phase 2
	Programmed County Roadways		Alternative Analysis Corridor		Transit Multi-Use Corridor
	Planned County Roadways		Intermodal Centers		OIA Connector Phase 1
	State Roadway Project (FY 2016/17 to FY 2020/21)		Proposed Rail Stations		OIA Connector Phase 2 Study Area (General Alignment May Include Mag Lev)
	Limited Access Collocated Toll Facility		Innovation Way MMTN		

Disclaimer:  
Data is provided "as is" without any warranty or any representation of accuracy, timeliness, or completeness. The burden of determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requestor. The County makes no warranties, express or implied, as to the use of the Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requestor acknowledges and accepts the limits of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction, and update.  
\*Partnership roadways are depicted on the map conceptually and do not represent actual alignments.  
Not to be resold -- Data, maps, or digital files may not be resold without prior consent of the Orange County Board of County Commissioners





**Appendix G**  
**Williamsburg Community Meeting Information**

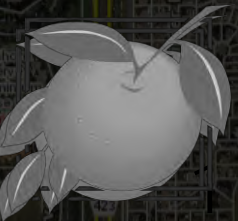


# Williamsburg Town Hall Meeting

## DEVELOPMENT UPDATE

ORANGE COUNTY PLANNING DIVISION

March 12, 2020

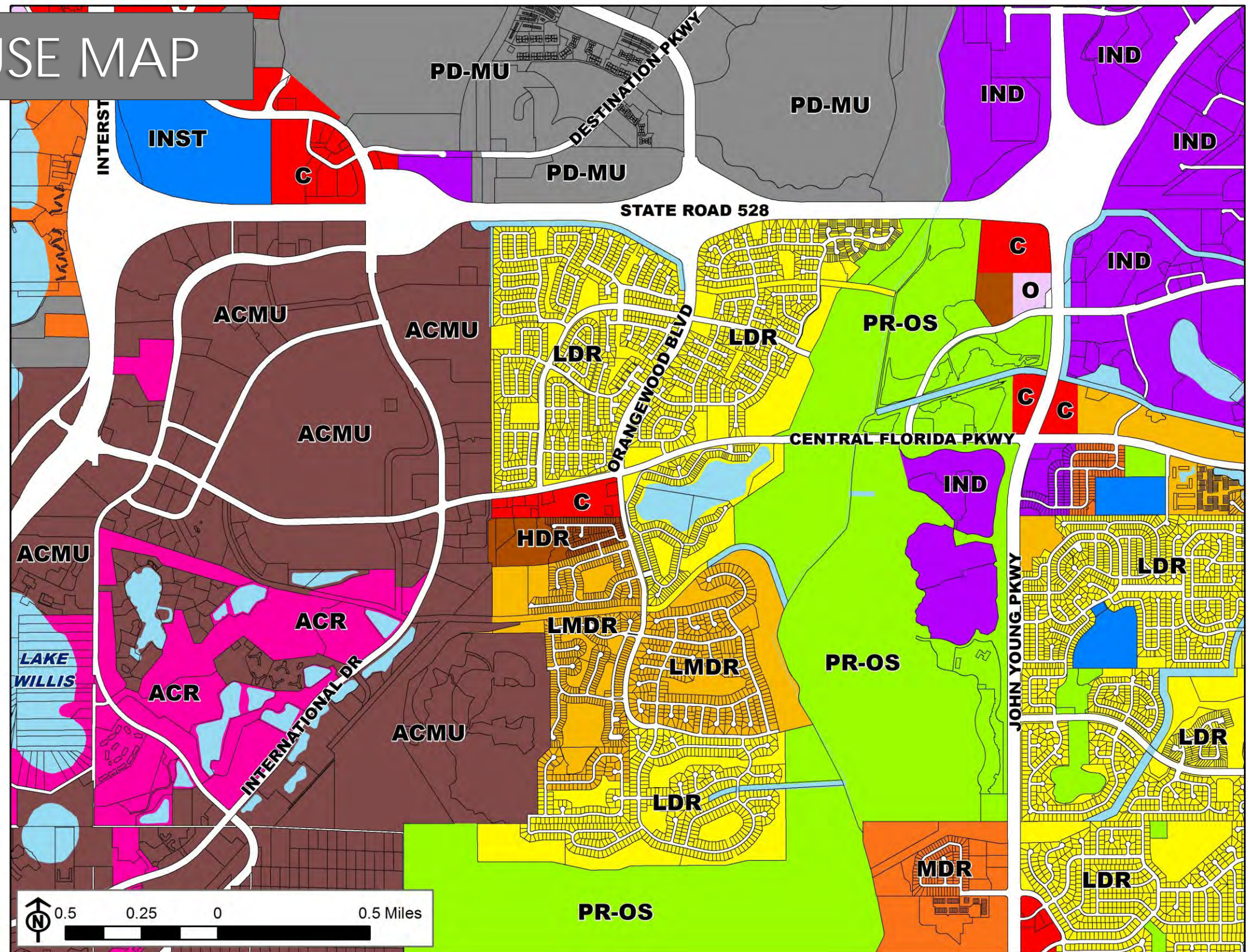






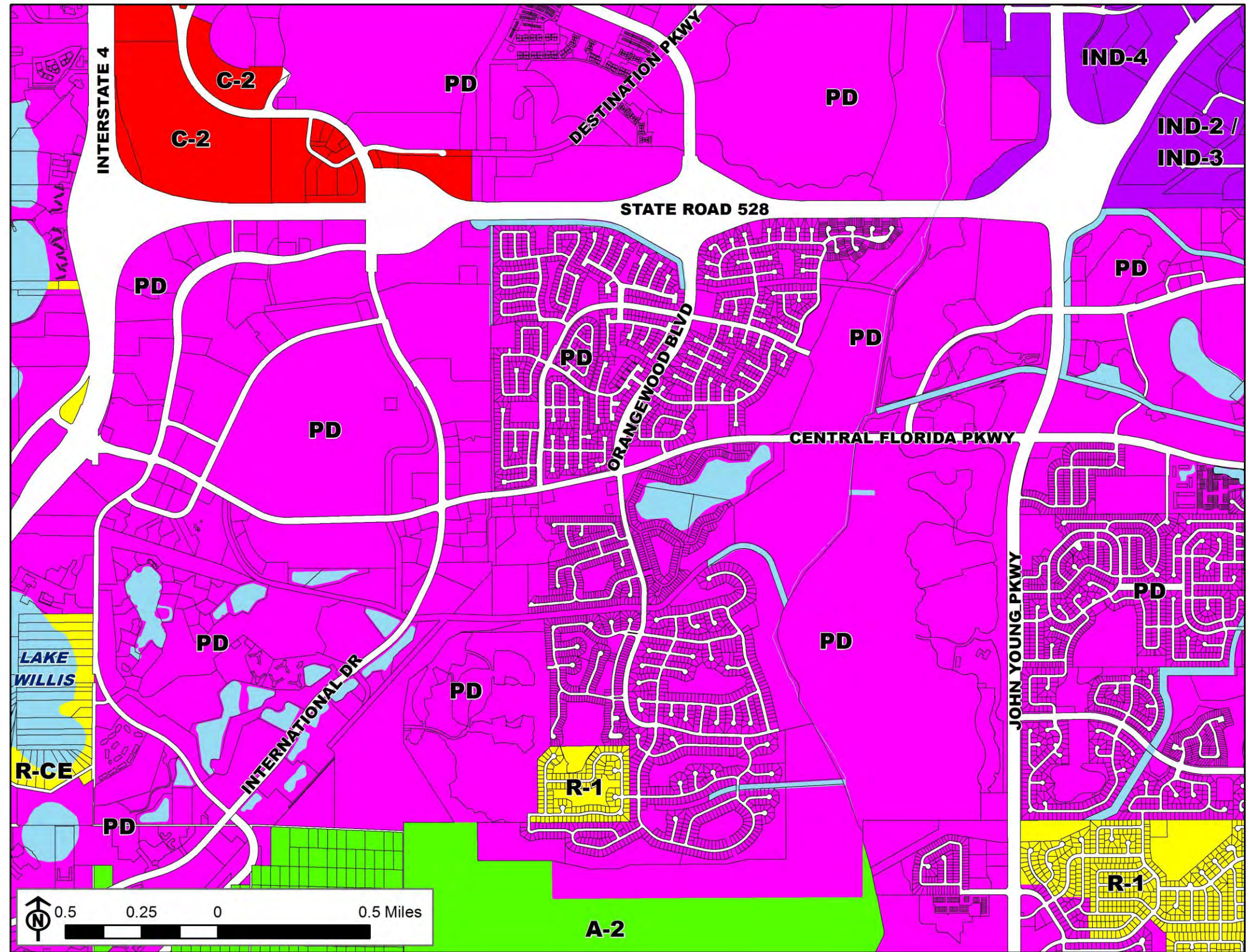


# FUTURE LAND USE MAP





# ZONING





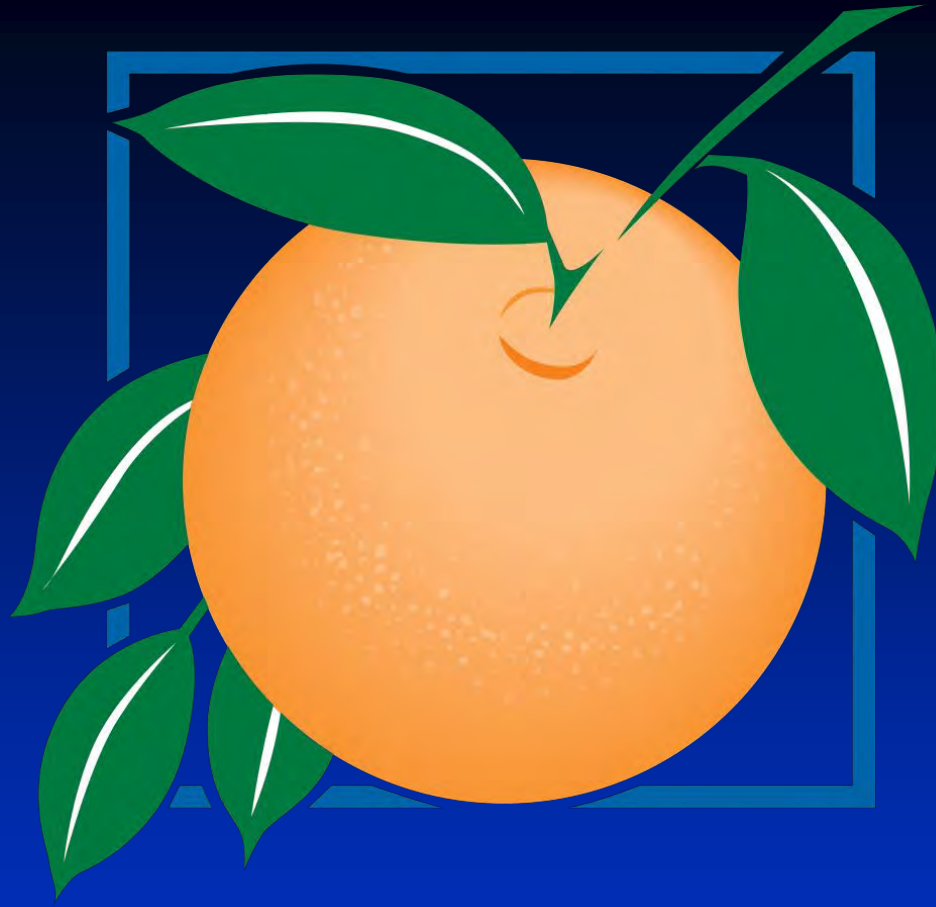
# Aerial











# Williamsburg Town Hall Meeting

## Roadway Infrastructure Improvements

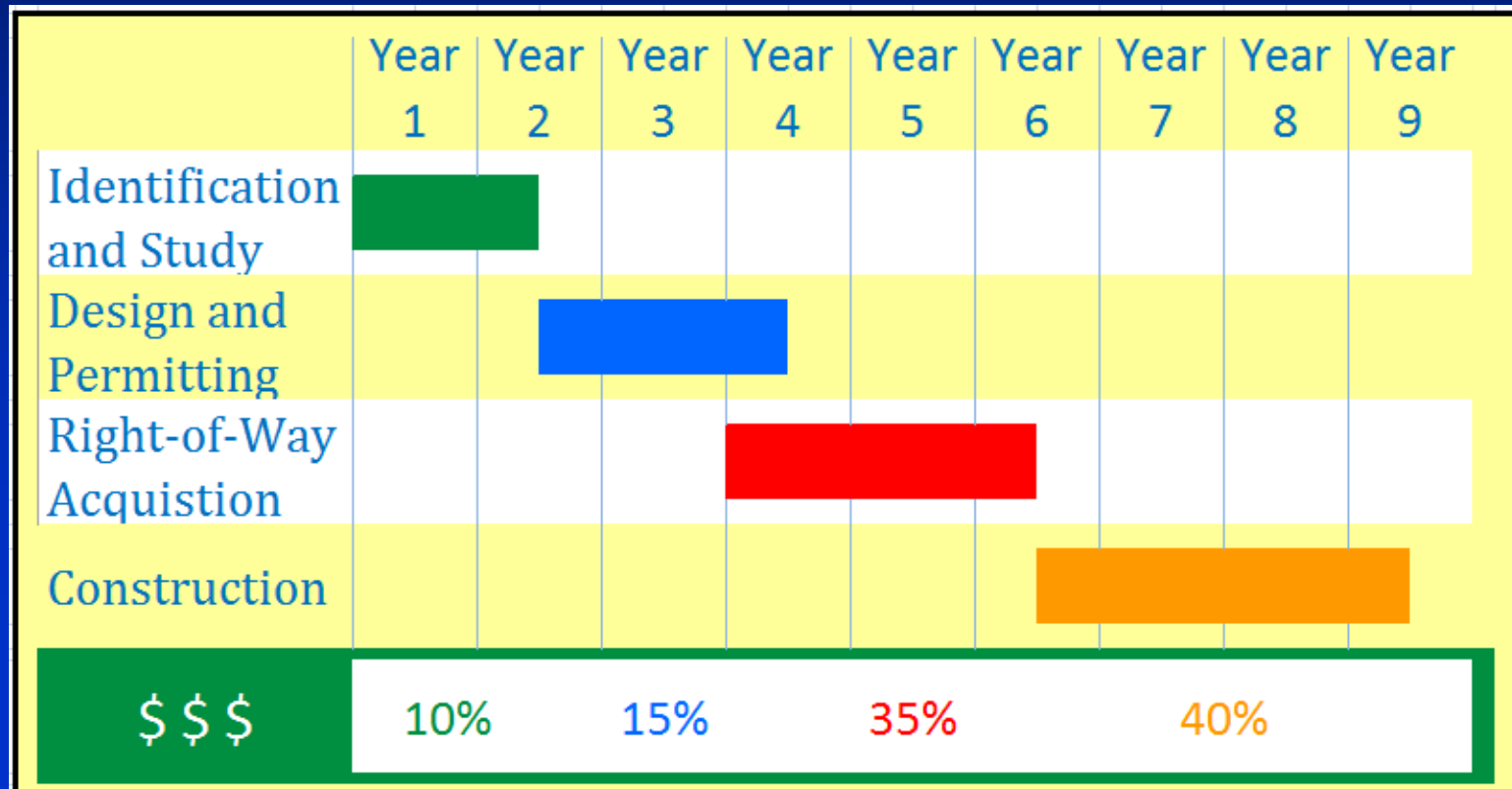
March 12, 2020



# Roadway Production Schedule

## How is the RCA process initiated?

- Identification of deficiencies through the MPO/LRTP model
- New corridors needed to mitigate transportation impacts
- Opportunities for developer partnership projects







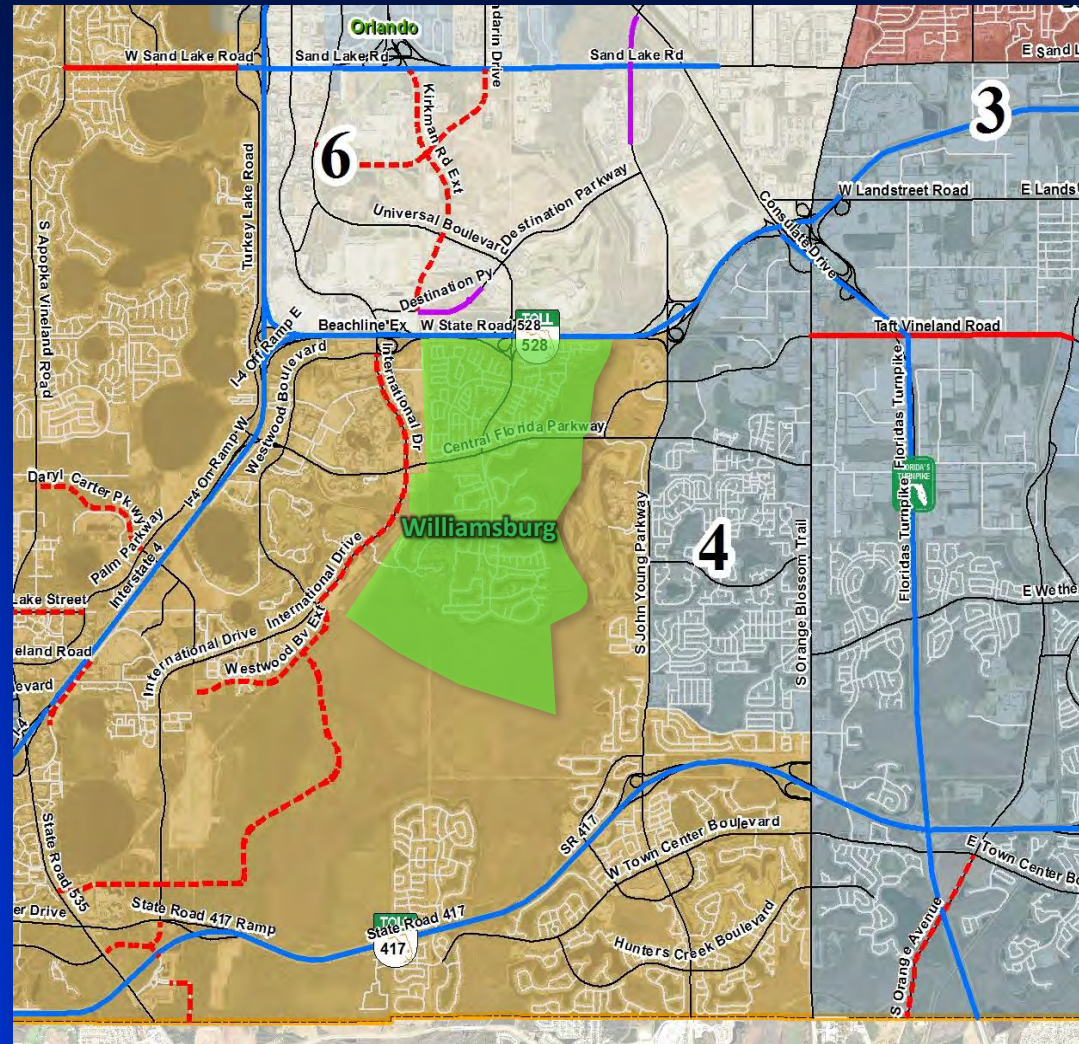
# Roadway Status Briefing

## 1. County Road Projects:

- Completed
- Studies
- In design
- Under construction
- Future

## 2. Trail Projects

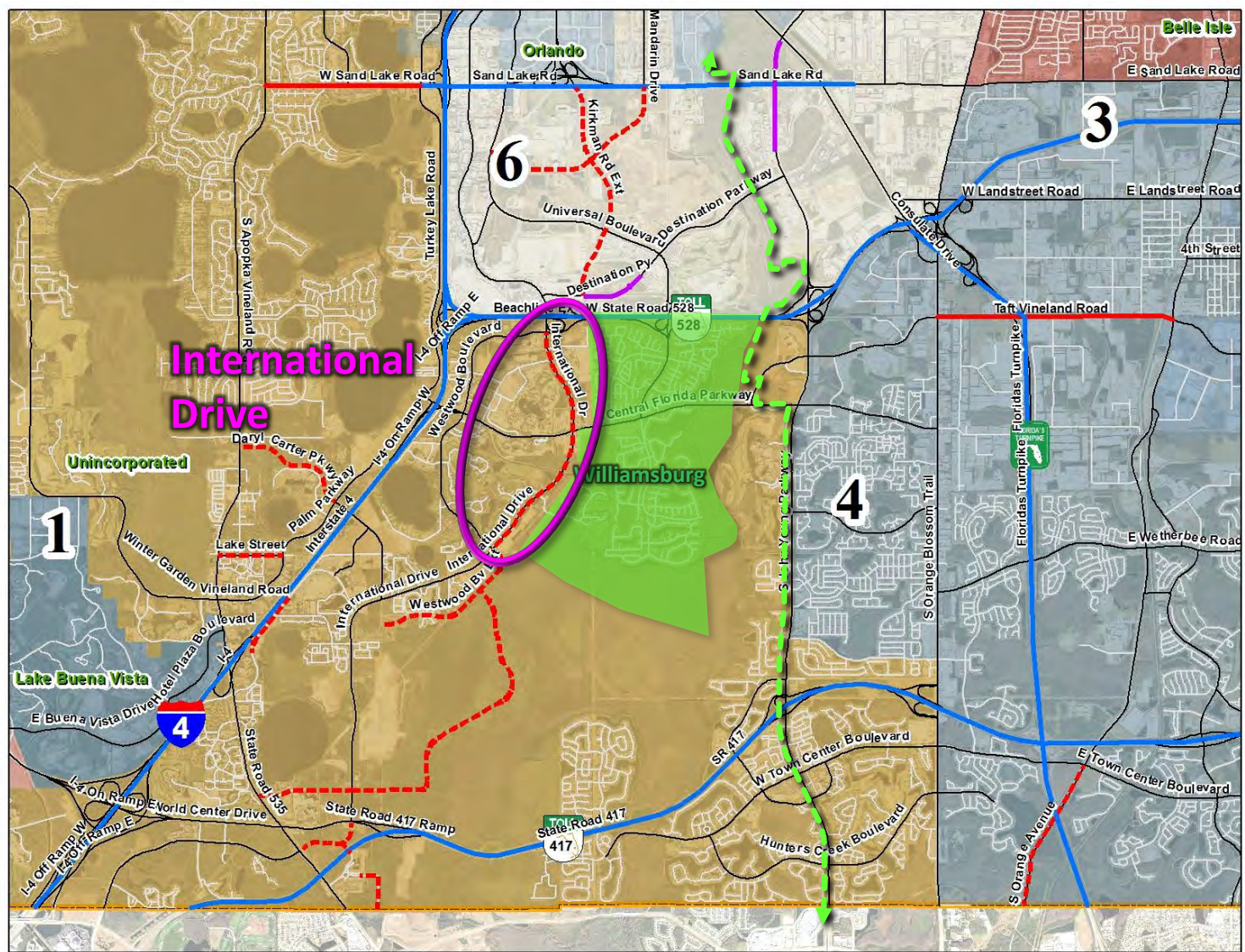
## 3. State Road Projects







# Completed Road Projects







# Completed Road Projects

- From North Westwood Blvd. to South Westwood Blvd.

**Schedule Completed**







# Completed Road Projects

- **Vineland Ave. at SR-535**
  - Hilton Driveway to Palm Parkway  
(Developer partnership portion)



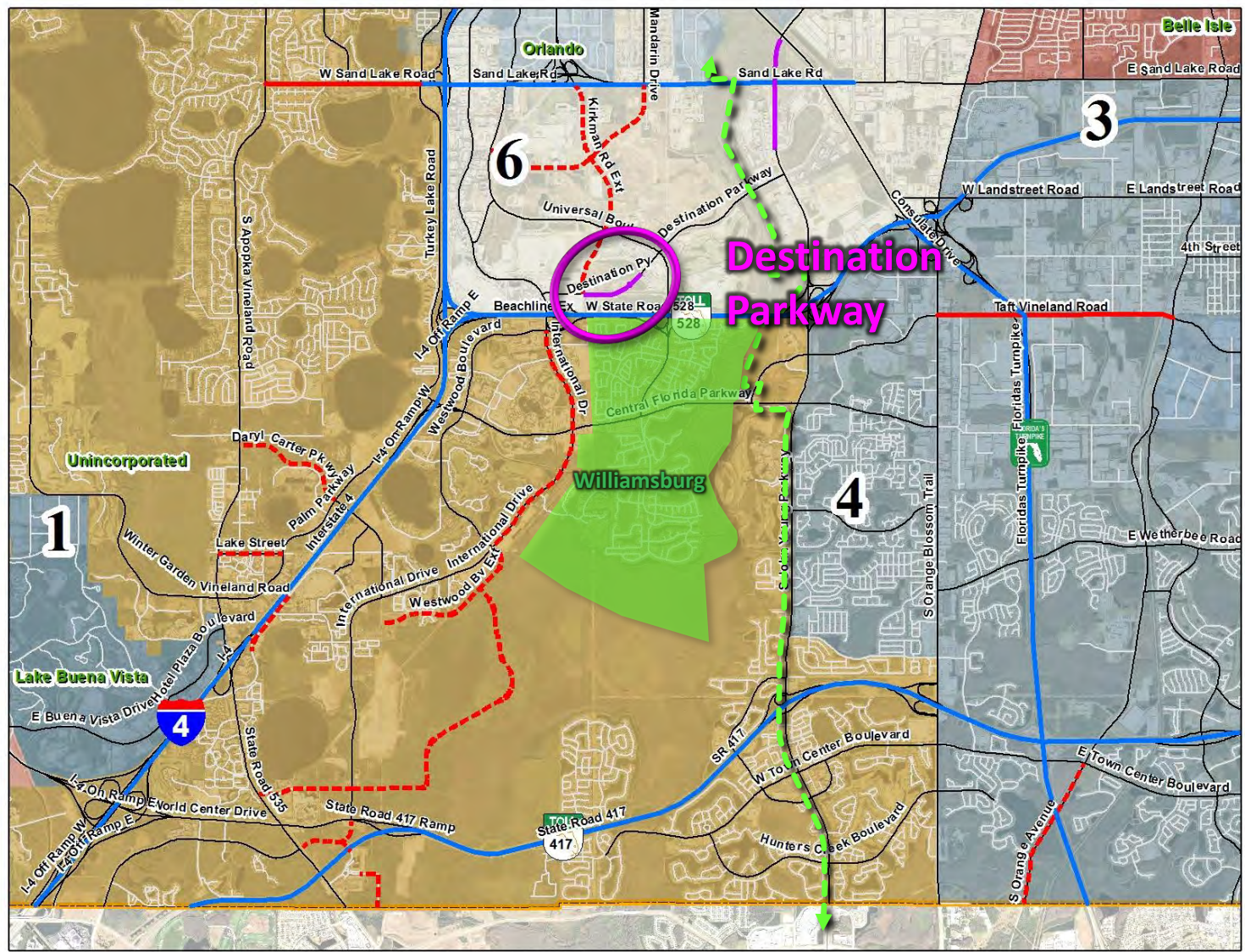
**Schedule**

Completed





# Completed Road Projects







# Completed Road Projects

## Destination Parkway

— Tradeshow Blvd. to East of Lake Cay Pl.



**Schedule**  
Completed

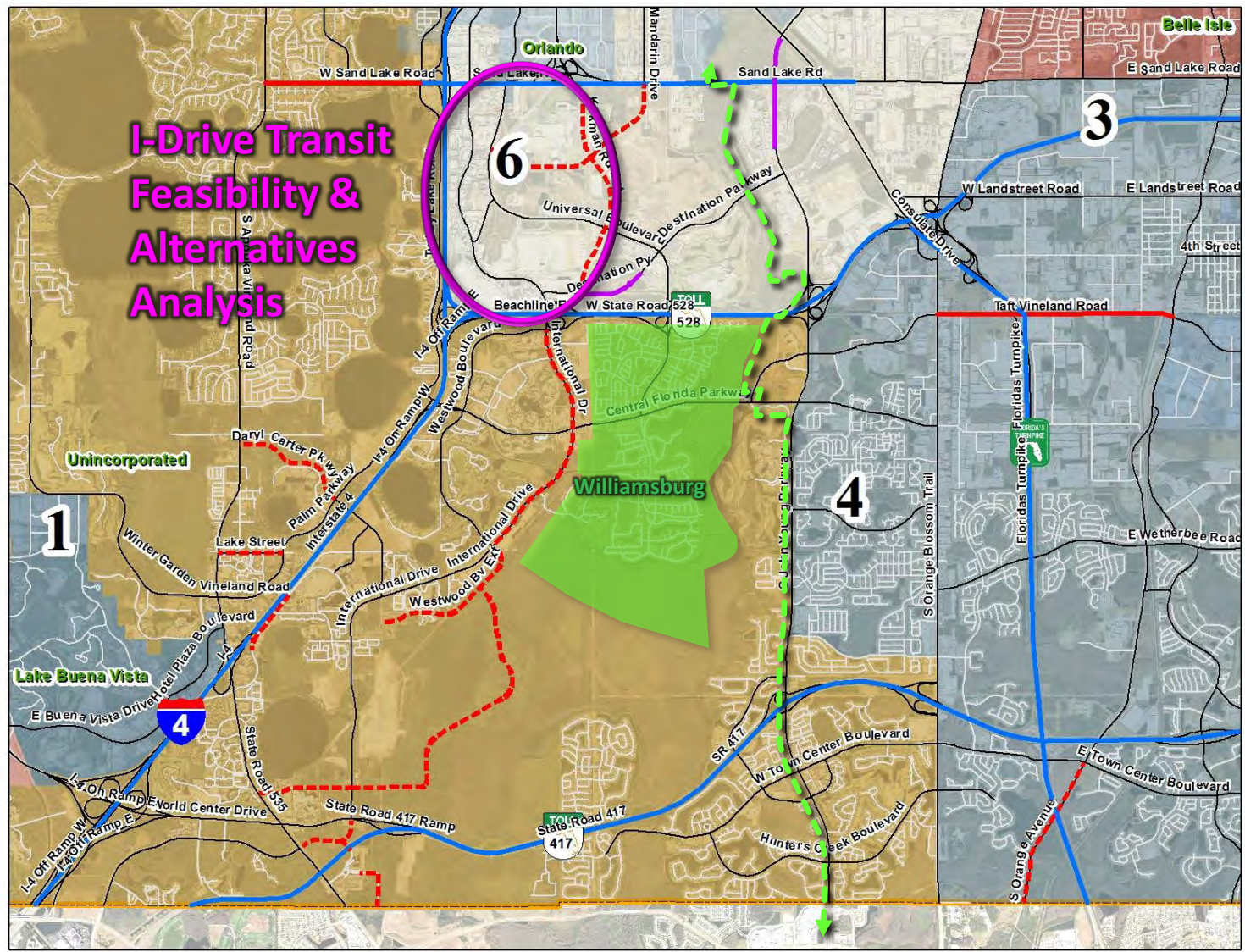






# Road Project Study

## I-Drive Transit Feasibility & Alternatives Analysis







# Road Project Study

## International Drive Transit Feasibility and Alternative Technology Assessment

- Sand Lake Rd. to South of SR-528
- 4.3 Miles
- Includes project advisory group
- Data collection/Analysis
- Vehicle and route identification
- Federal funding eligibility
- Study amount : \$1.05 Million

### Schedule

Study Began: Dec 2018

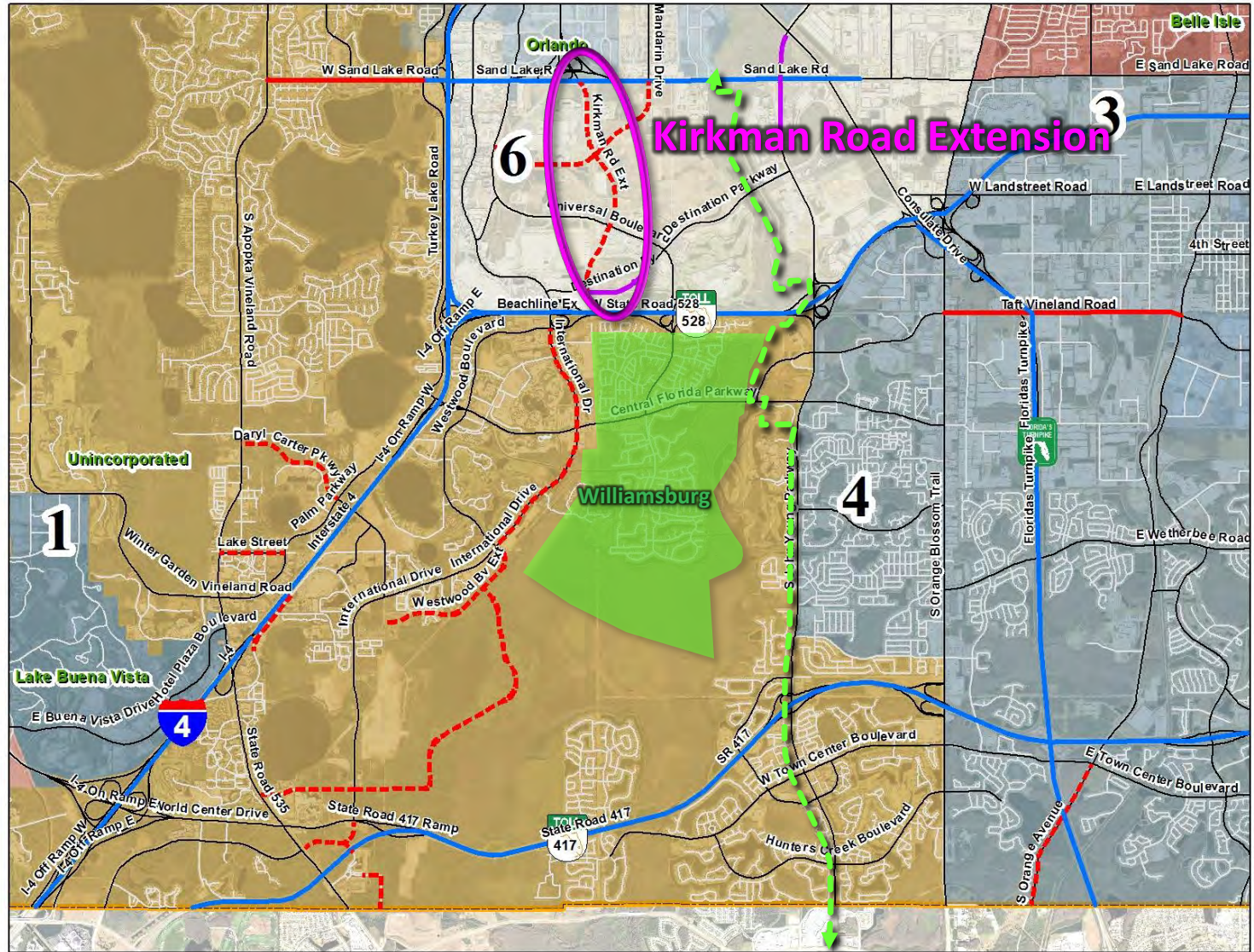
Study End: Summer 2020







# Road Project Study







# Road Project Study

## ■ Kirkman Rd.

- Sand Lake Rd. to Universal Blvd.
- Public/Private partnership



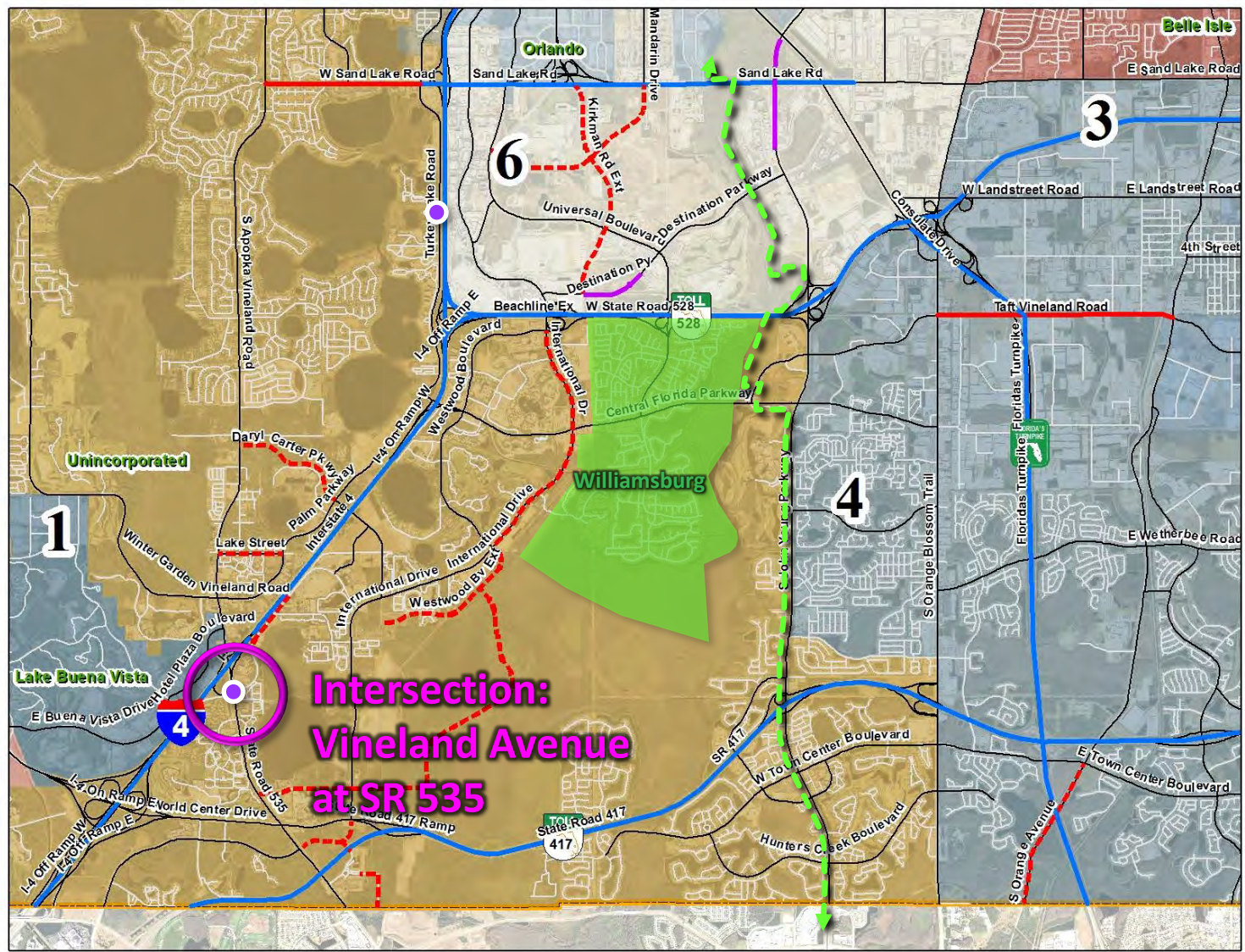
## Schedule

Construction Start: Jul 2020  
Construction End: Dec 2023





# Road Project In-Design







# Road Project In-Design

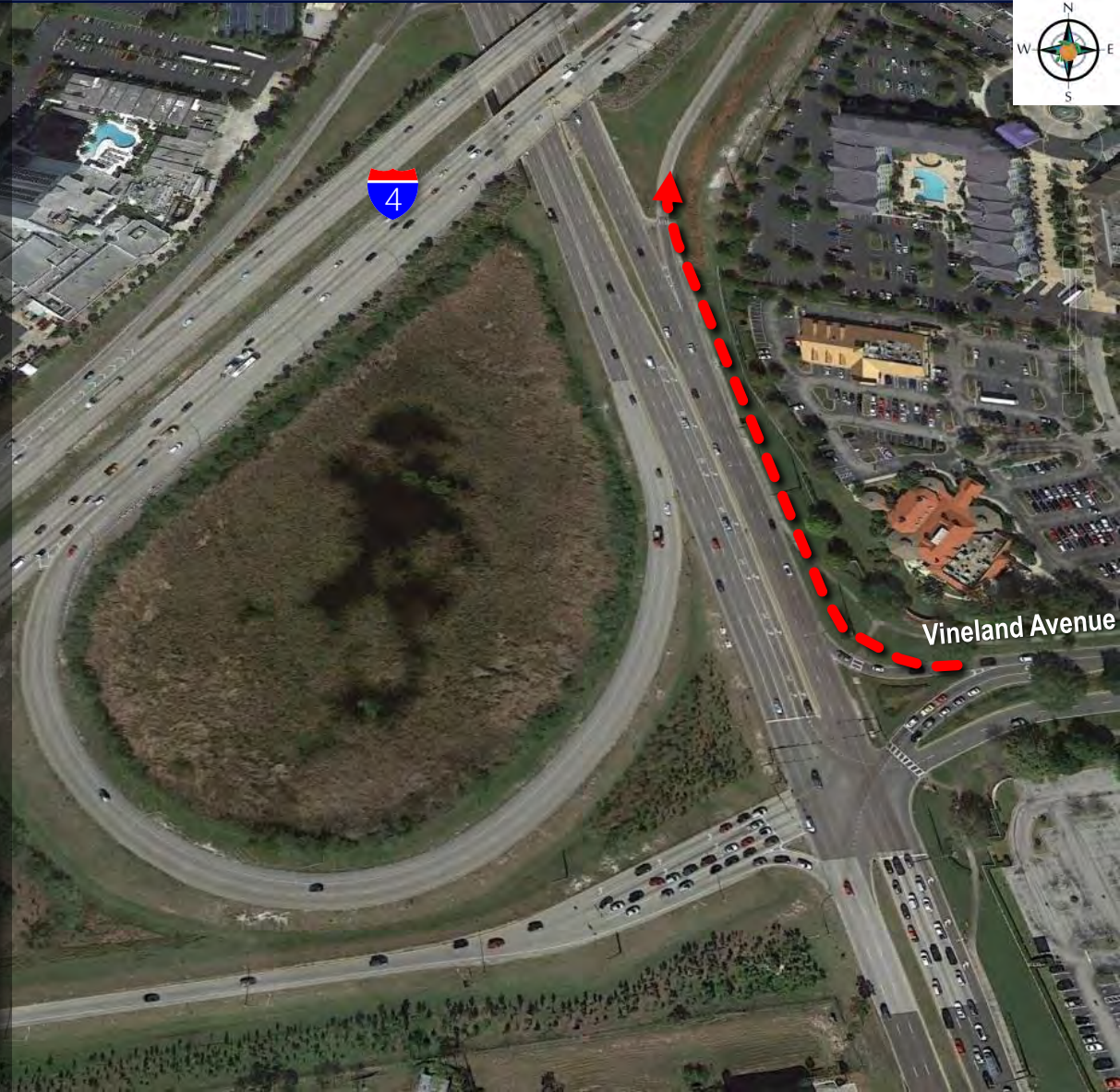
- **Vineland Ave. at SR-535**
  - Add 2<sup>nd</sup> right turn lane from Vineland Ave. Add auxiliary right turn lane from Vineland Ave. to I-4 Ramp
  - Signalization upgrades

## Schedule

Design Completed 2017

Construction Begin Nov 2020

Construction End Jun 2021







# Road Project In-Design

## ■ Sand Lake Rd.

- Apopka-Vineland Rd. to Turkey Lake Rd.
- Operational/Travel lane improvements
- Multipurpose path
- Access management



## Schedule

Design End Mar 2021

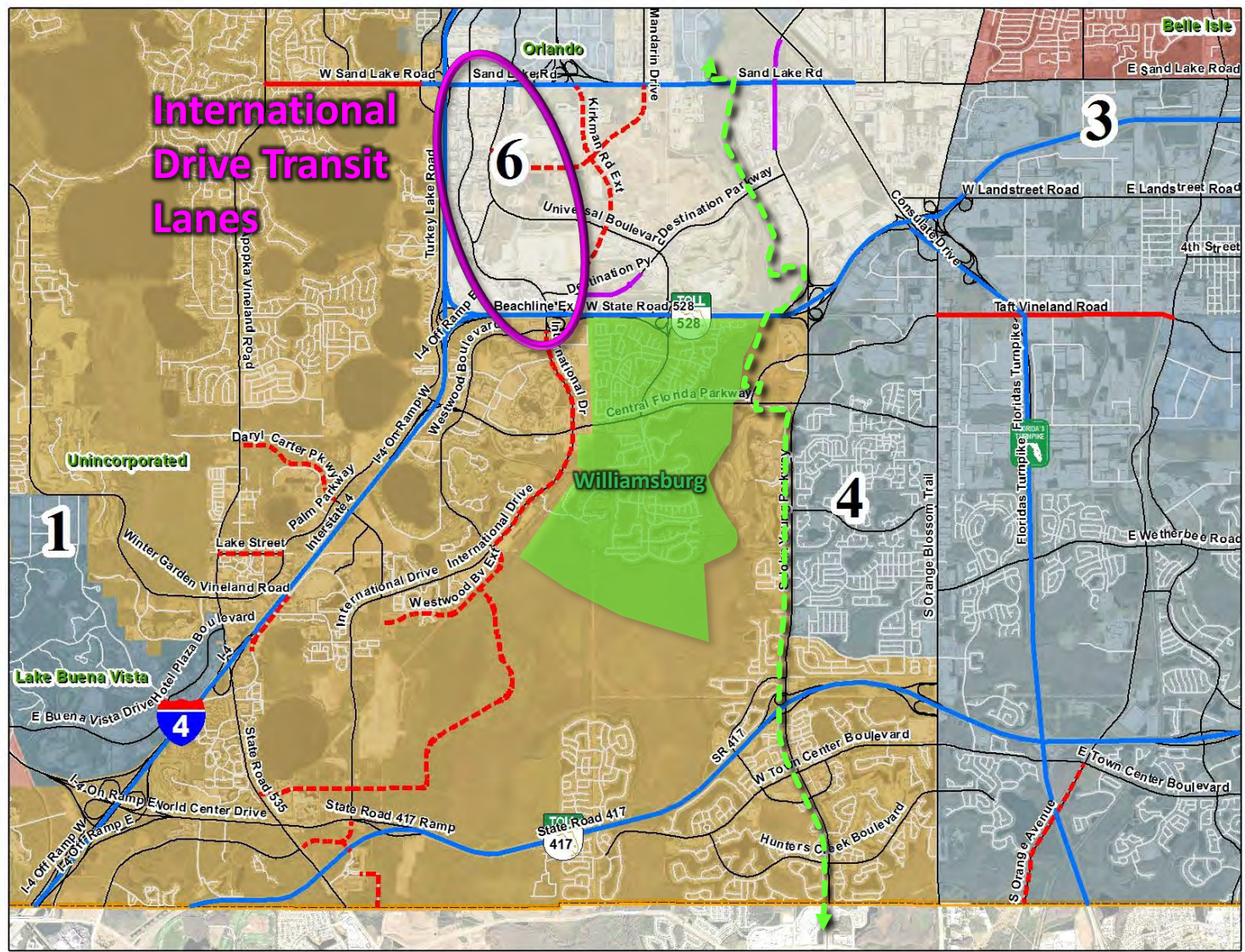
Construction Begins Aug 2022

Construction End Sep 2023





# Road Project In-Design



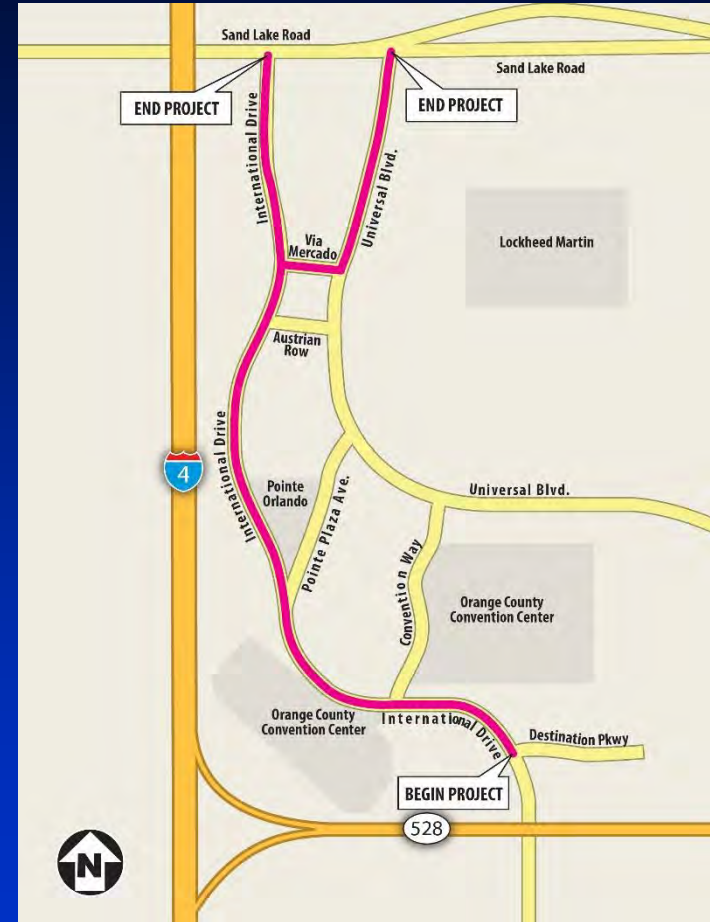




# Road Project In-Design

## ■ I-Drive Transit Lanes

- Begins at Destination Parkway, runs along I-Drive to Via Mercado, East to Universal Blvd. and turns North to Sand Lake Rd.
- Adds transit lane in each direction
- Relieves congestion and accommodates I-Ride Trolley and buses
- 2.5 Miles



## Schedule

Construction Begin Apr 2021

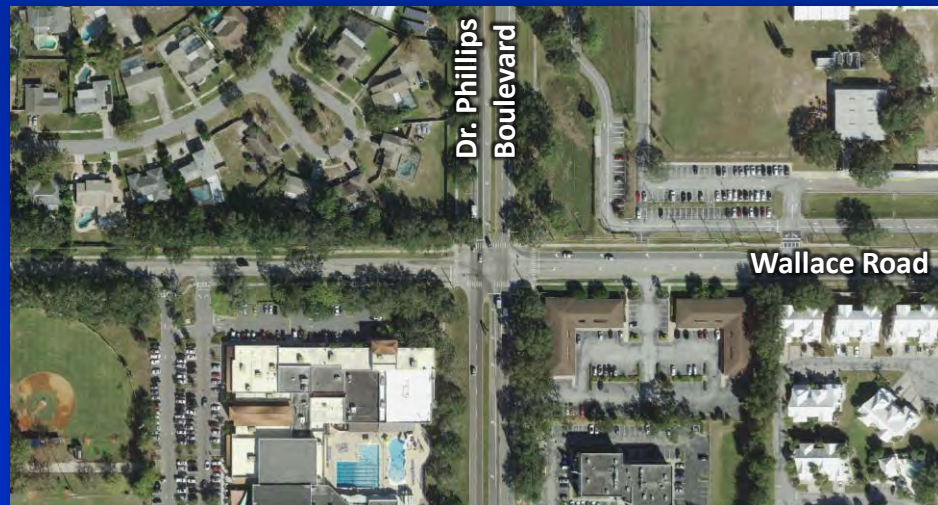
Construction End Apr 2023



# Intersection Project In-Design

## ■ Wallace Rd. at Dr. Phillips Blvd.

- Construct right turn lane on Eastbound Wallace Rd.
- Construct left turn lane on Westbound Wallace Rd. at the YMCA



## Schedule

Design Completed 2018

Construction Begin Oct 2019

Construction End Jun 2020





# Intersection Project In-Design

- **Turkey Lake Rd. at Vineland Ave.**
  - Construct extension of Southbound through and left turn lanes



## Schedule

Design Complete Mar 2020

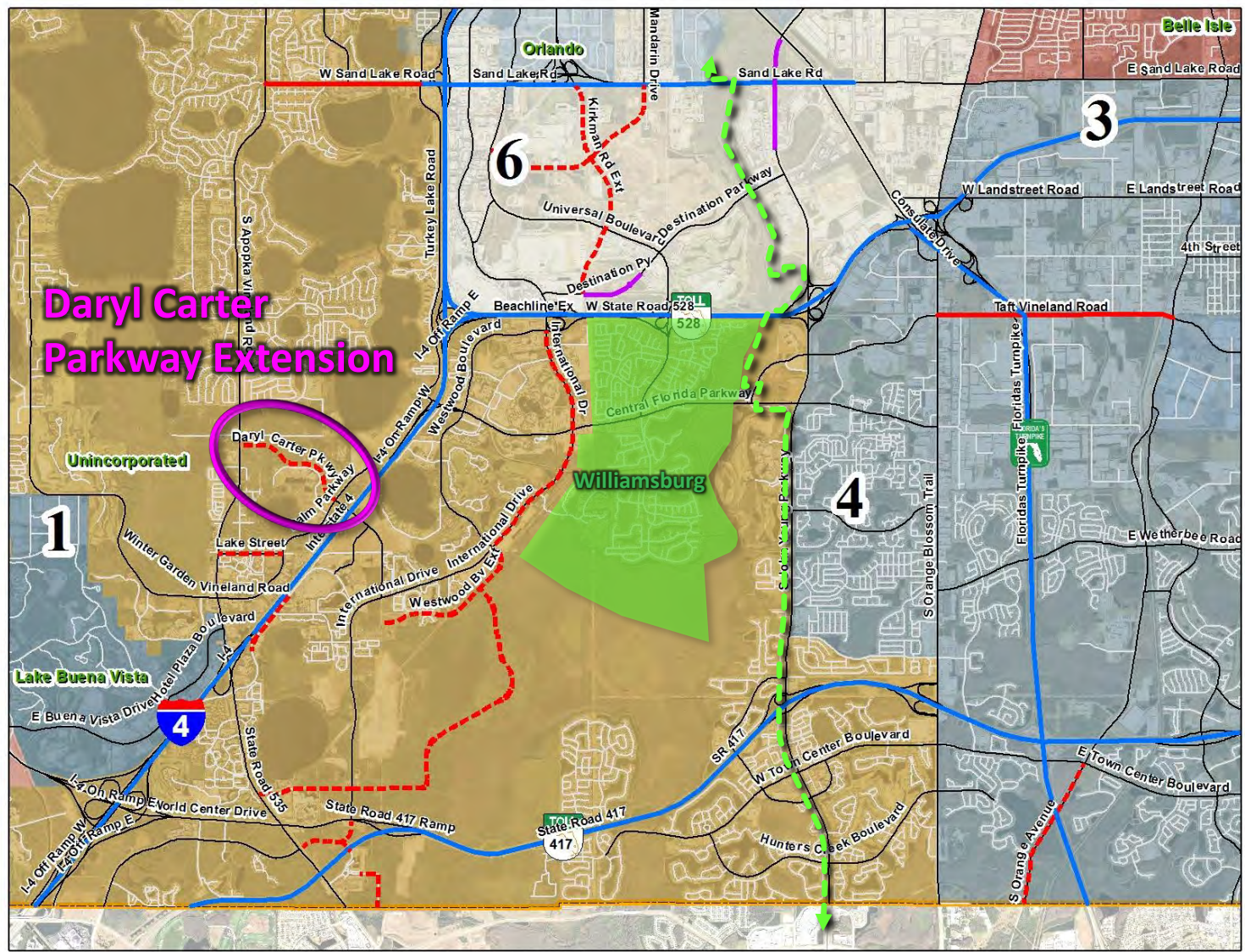
Construction Begin Aug 2021

Construction End Aug 2022





# Road Projects Under Construction







# Road Projects Under Construction

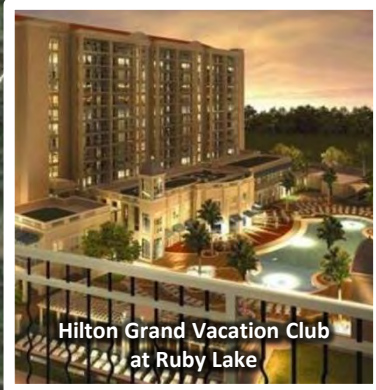
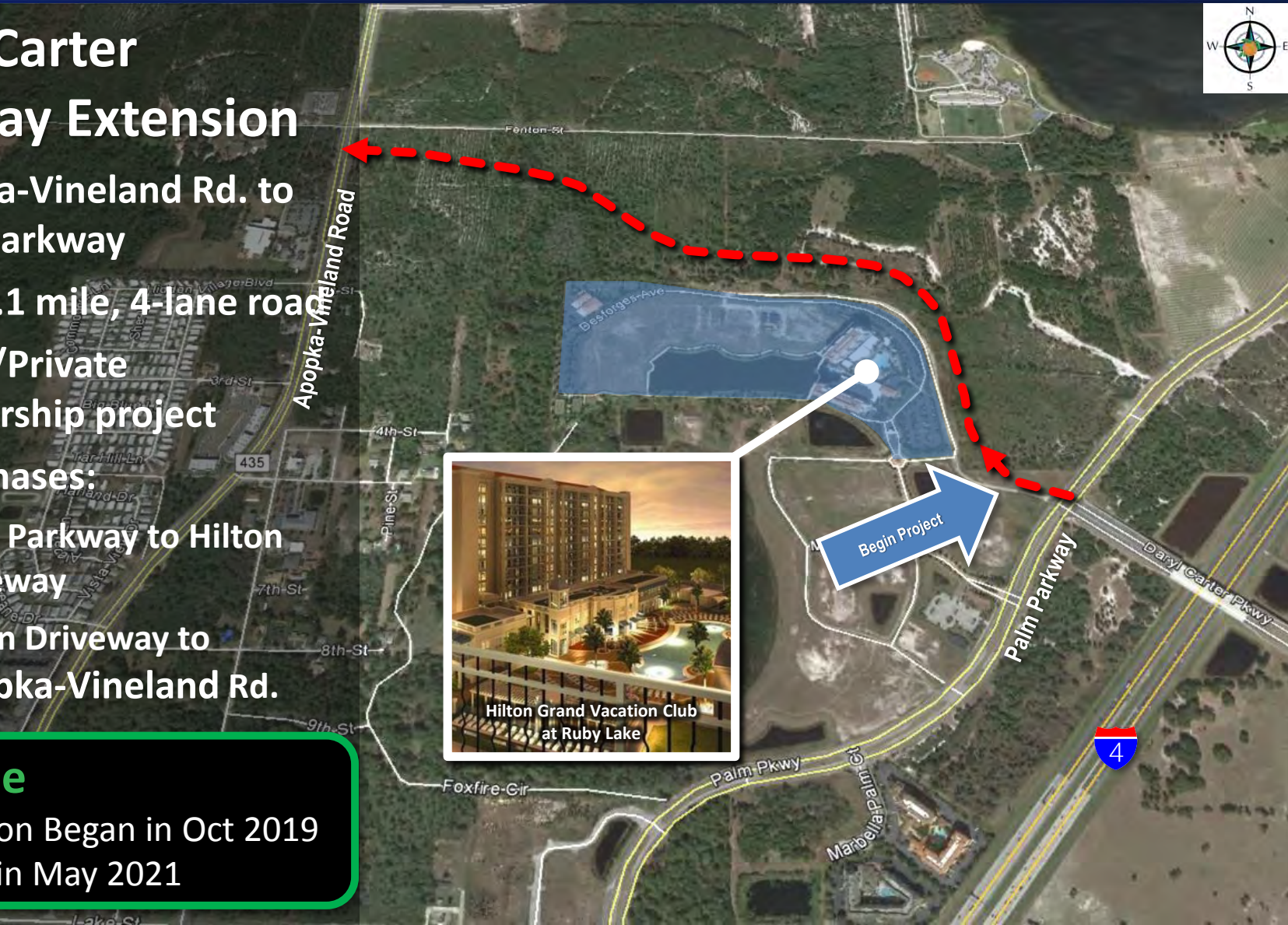


## ■ Daryl Carter Parkway Extension

- Apopka-Vineland Rd. to Palm Parkway
- New 1.1 mile, 4-lane road
- Public/Private partnership project
- Two phases:
  - Palm Parkway to Hilton Driveway
  - Hilton Driveway to Apopka-Vineland Rd.

### Schedule

Construction Began in Oct 2019  
Complete in May 2021



Hilton Grand Vacation Club  
at Ruby Lake





# Road Projects Under Construction

- **Daryl Carter Parkway Extension (2 segments)**
  - Apopka-Vineland Rd. to Hilton Driveway



## Schedule

Construction Began in Oct 2019  
Complete in May 2021



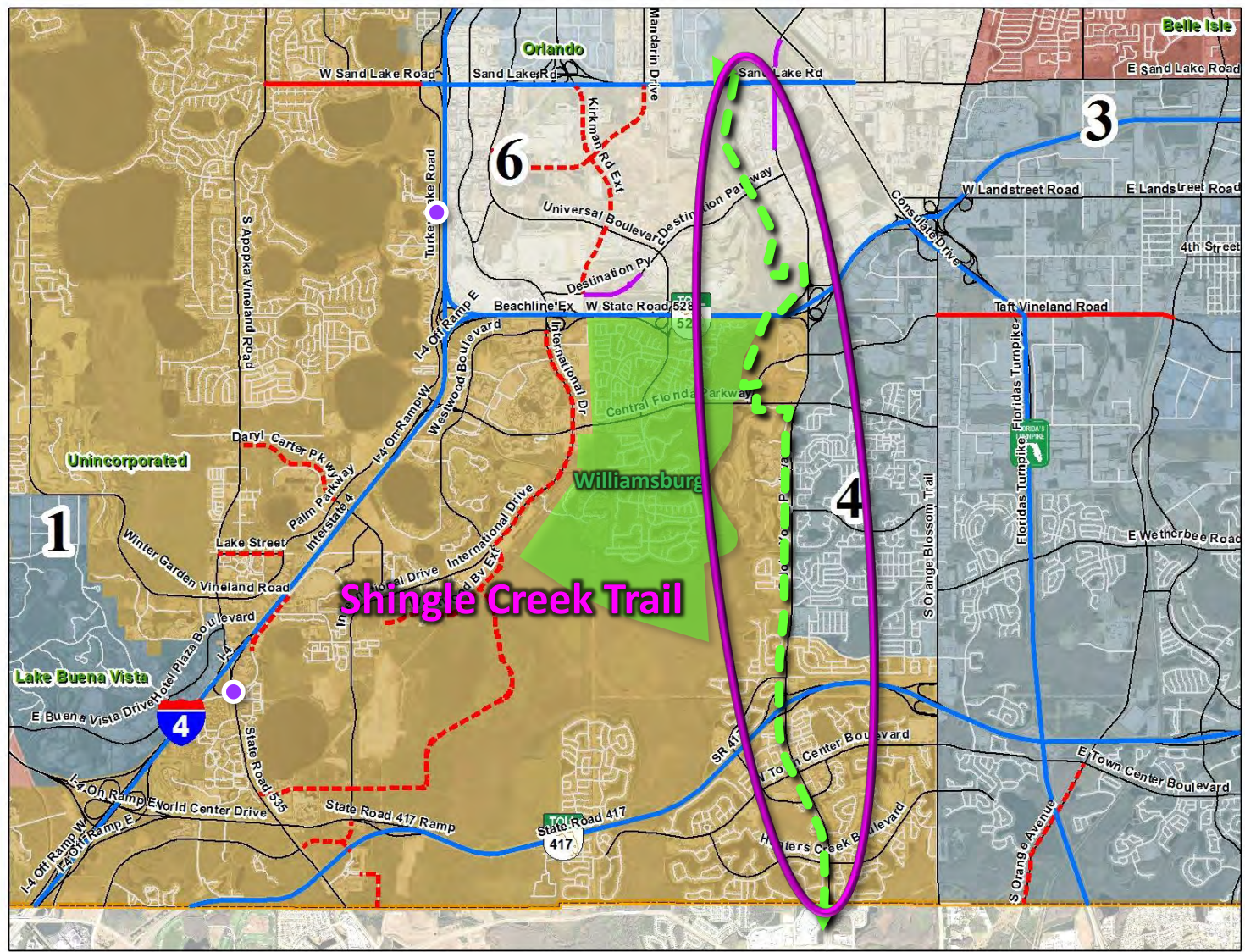


# Future County Road Projects

- **Lake Street: Apopka-Vineland Rd. to Palm Parkway**
- **Fenton Street: From Fenton St. to Equestrian St.**
- **Westwood Blvd. Extension: Wildwood Ave. to International Dr.**
- **Kirkman Rd. Extension: SR-528 to Sand Lake Rd.**
- **Lake Bryan Beach Blvd.: SR-535 to Westwood Blvd. Extension**
- **International Dr.: SR-535 to World Center Dr.**
- **Poinciana Blvd: Osceola County line to International Dr.**



# Trail Projects







# Trail Projects

## ■ Shingle Creek Trail

- Osceola County to Sand Lake Rd.(8.5 Miles)
- Trail Recognized by US Department of Interior (Listed in top 100 Trails, 2 from each State)

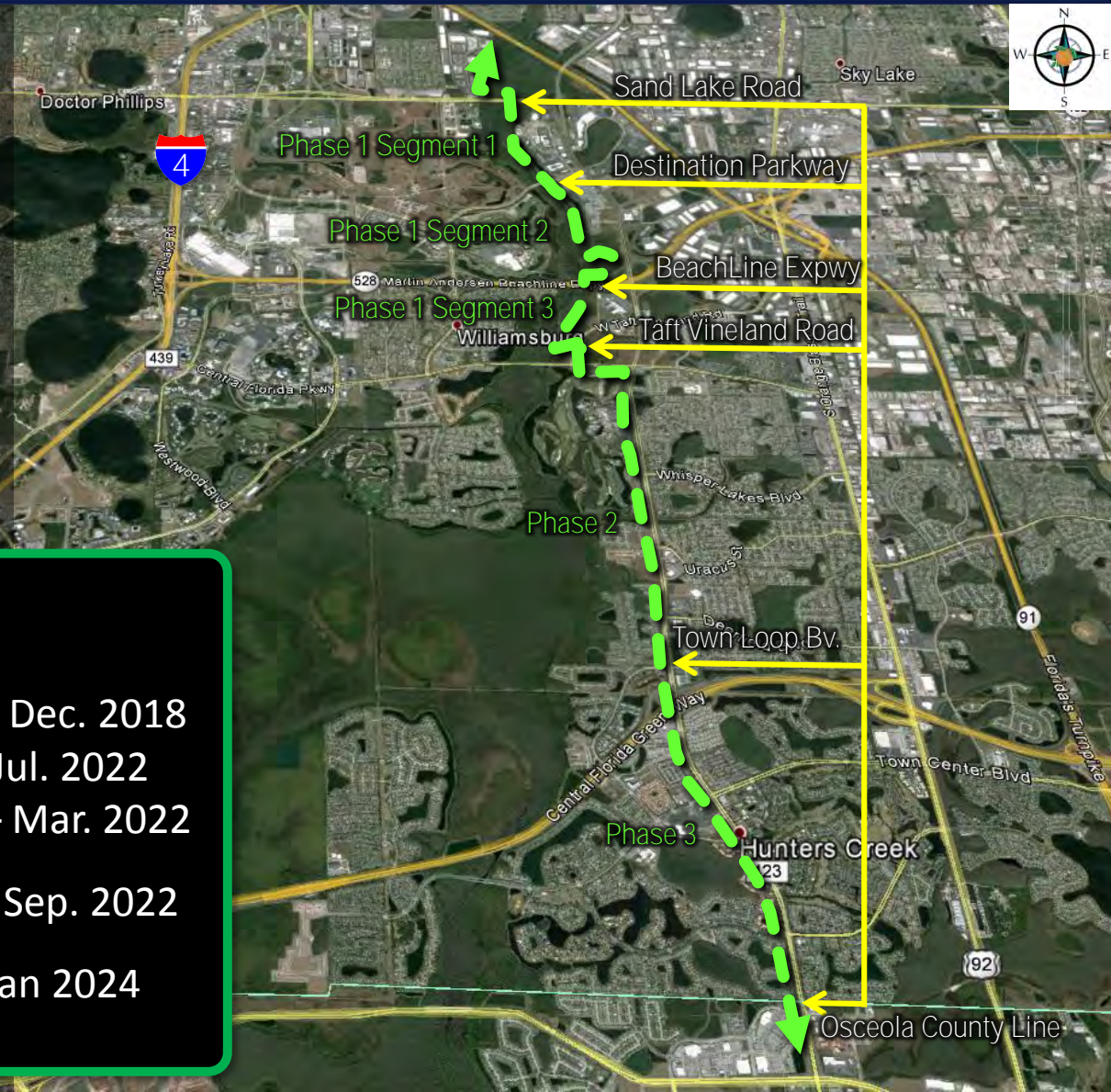
### Schedule

#### Phase 1

- Seg. 1 Construction Feb. 2018 – Dec. 2018
- Seg. 2 Construction Jul. 2021 – Jul. 2022
- Seg. 3 Construction Dec. 2020 – Mar. 2022

#### Phase 2 Construction Nov. 2020 – Sep. 2022

#### Phase 3 Construction Jul. 2022 – Jan 2024











# County/State Road Projects

- Sand Lake Rd.
  - FDOT Portion
    - 3.2 Miles widening
    - New JY Parkway Interchange
    - New Turnpike Interchange



**County Schedule**

Design  
Start Apr 2020  
End Oct 2021

Construction  
Start Aug 2022  
End Sep 2023

**State Schedule**

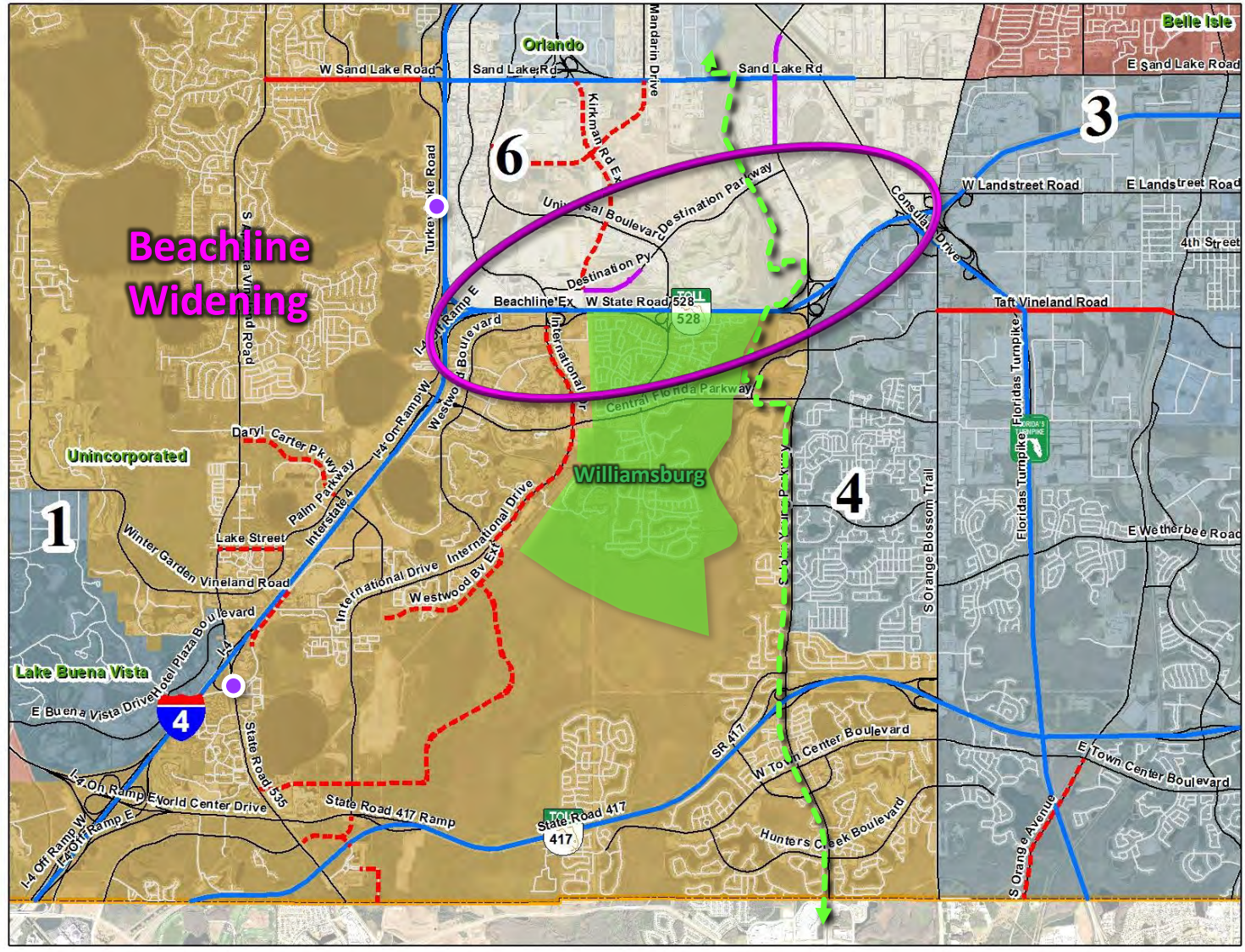
Construction Began October 2016  
Construction Complete in Fall 2020







# State Road Projects

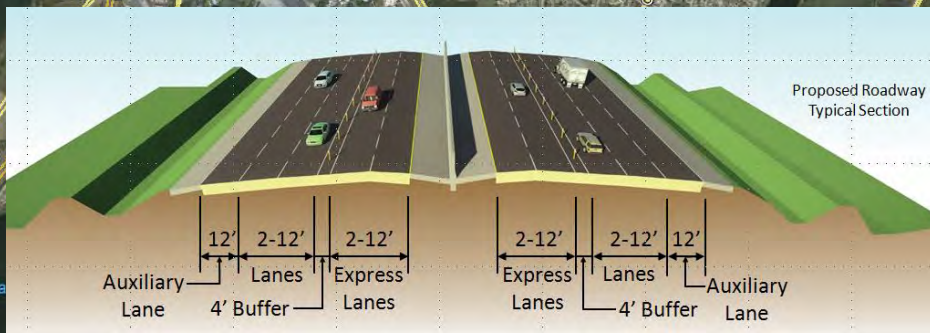
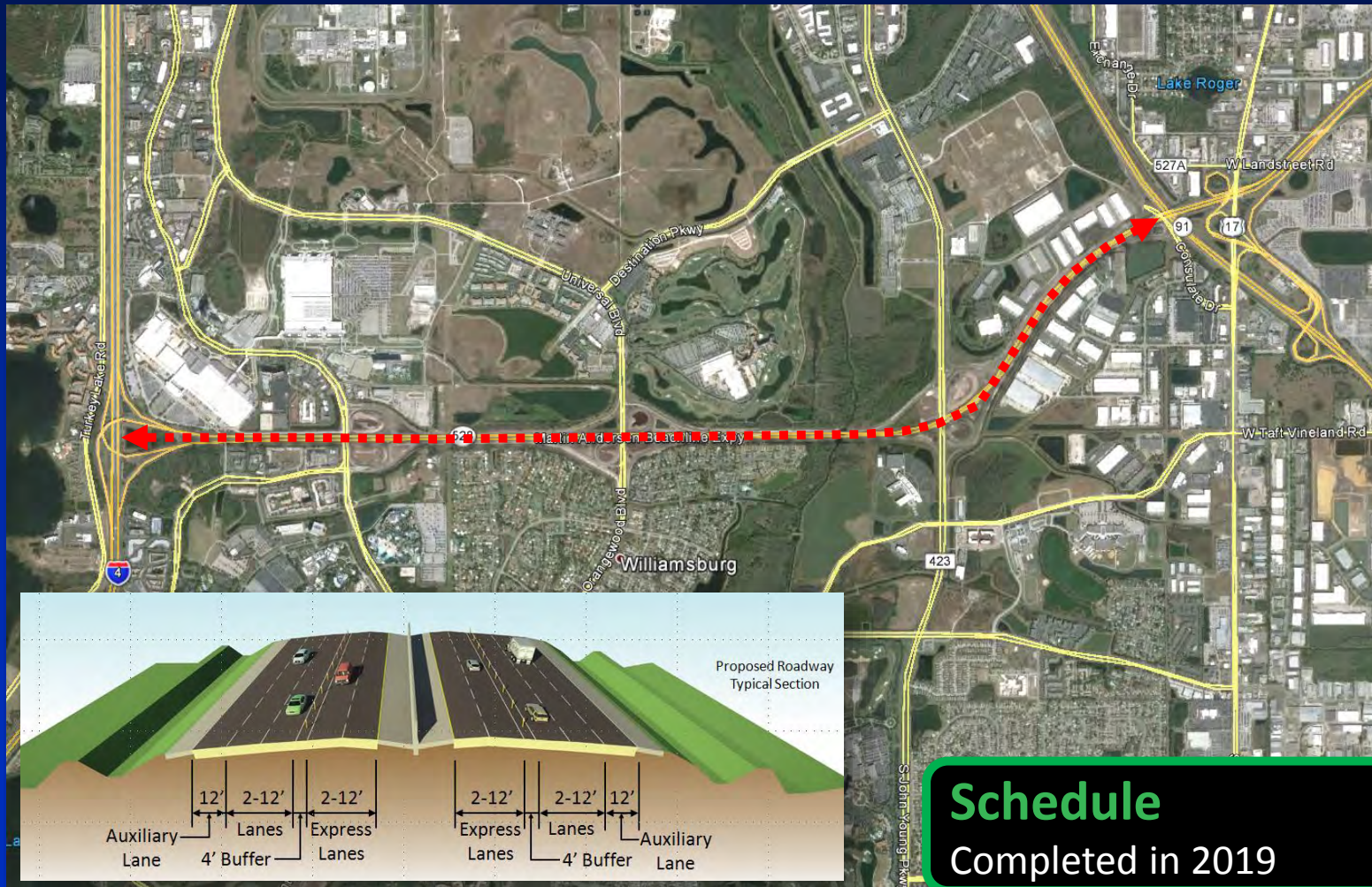






# State Road Projects

- Florida's Turnpike – SR-528: I-4 to Consulate Dr.



**Schedule**  
Completed in 2019









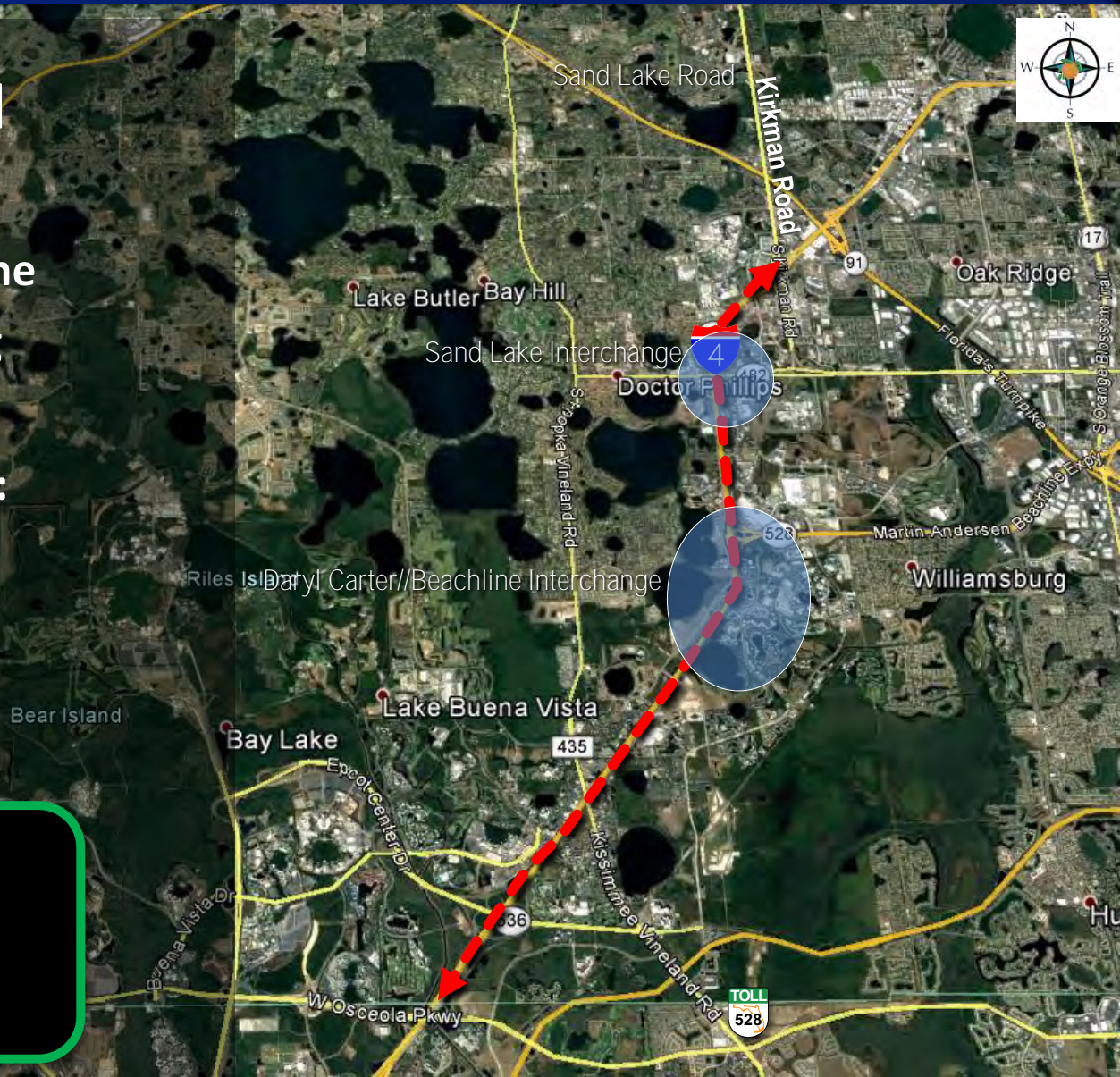
# State Road Projects

## ■ Interstate 4 Beyond the Ultimate

- Kirkman Rd. to County line
- 101 miles of I-4 widening
- Sand Lake Interchange
- Key Interchange projects:
  - Sand Lake Interchange
  - Daryl Carter/Beachline Complex

### FDOT Schedule

Study Completed Jun 2018  
Land Acquisition Underway  
Construction TBD

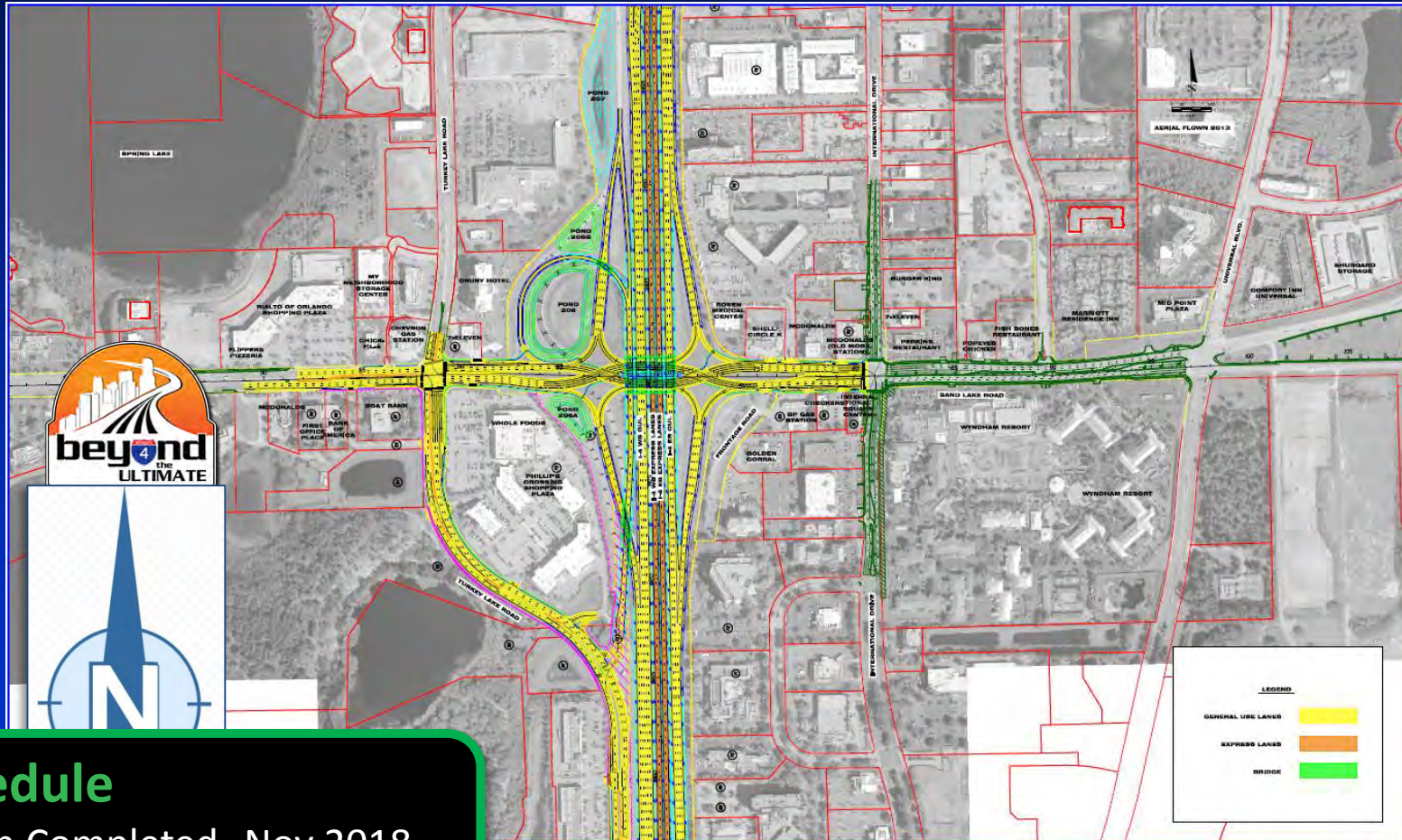






# State Road Projects

## ▪ Sand Lake Rd. Interchange (I-4 Beyond the Ultimate)



### Schedule

Design Completed Nov 2018  
 Construction Begin 2021

**SR-400 (I-4) SEGMENT 2  
 SAND LAKE ROAD RECOMMENDED ALTERNATIVE**







# State Road Projects



## ■ I-4 Beyond the Ultimate:

### Daryl Carter Parkway and I-4 Interchange

- Three new ramps will connect I-4 to Daryl Carter Parkway
- Include exit ramps from both directions of I-4 and an entrance ramp to EB I-4.
- Convert the existing Daryl Carter Parkway overpass to a diverging diamond interchange



Reference: [i4beyond.com](http://i4beyond.com)

## Schedule

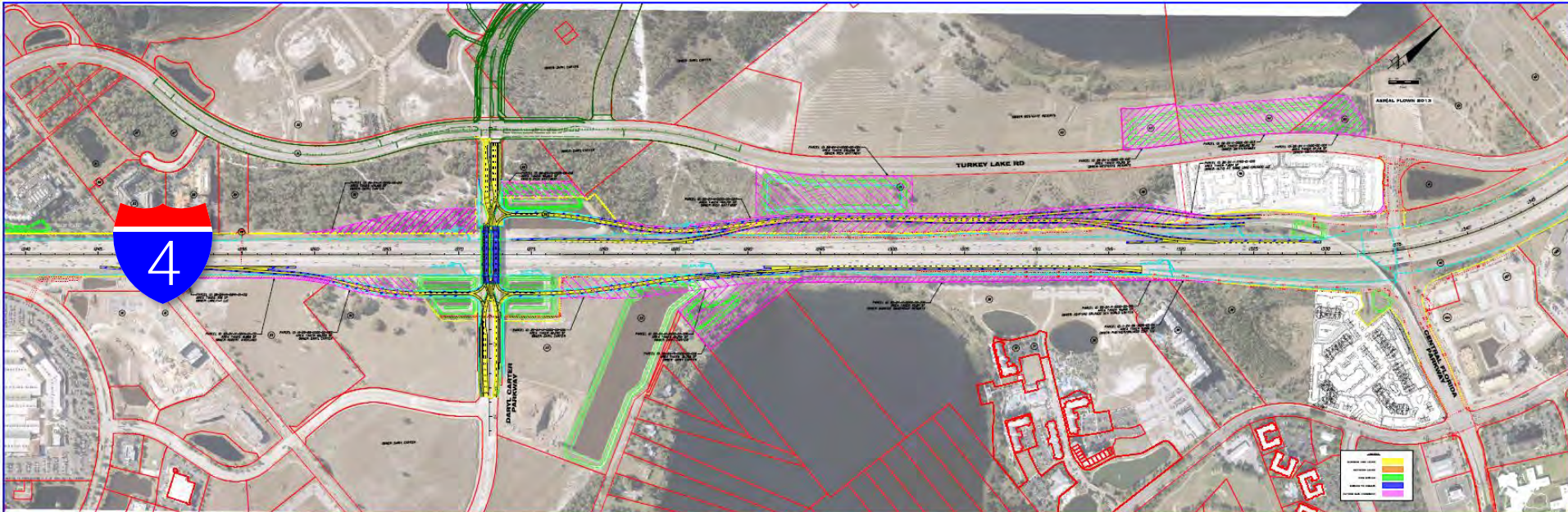
Design Complete: Nov 2018

Construction Begin: SPR 2022



# State Road Projects

## Interim Daryl Carter/Beachline (I-4 Beyond the Ultimate)



**SR-400 (I-4) Segment 1  
Project Development and Environment (PD&E) Study  
Daryl Carter Interchange (Interim Condition)**

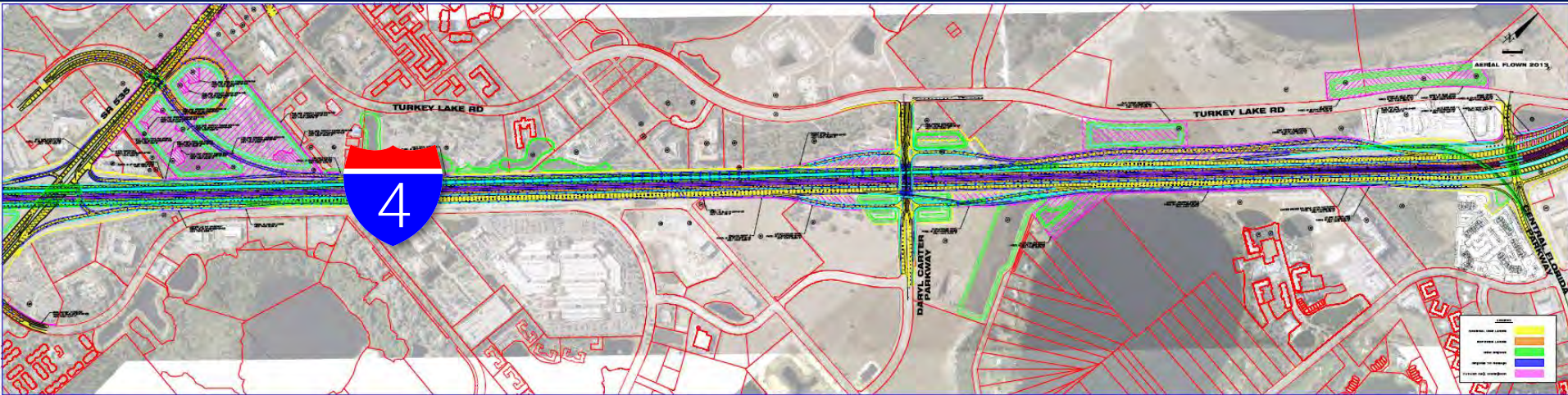






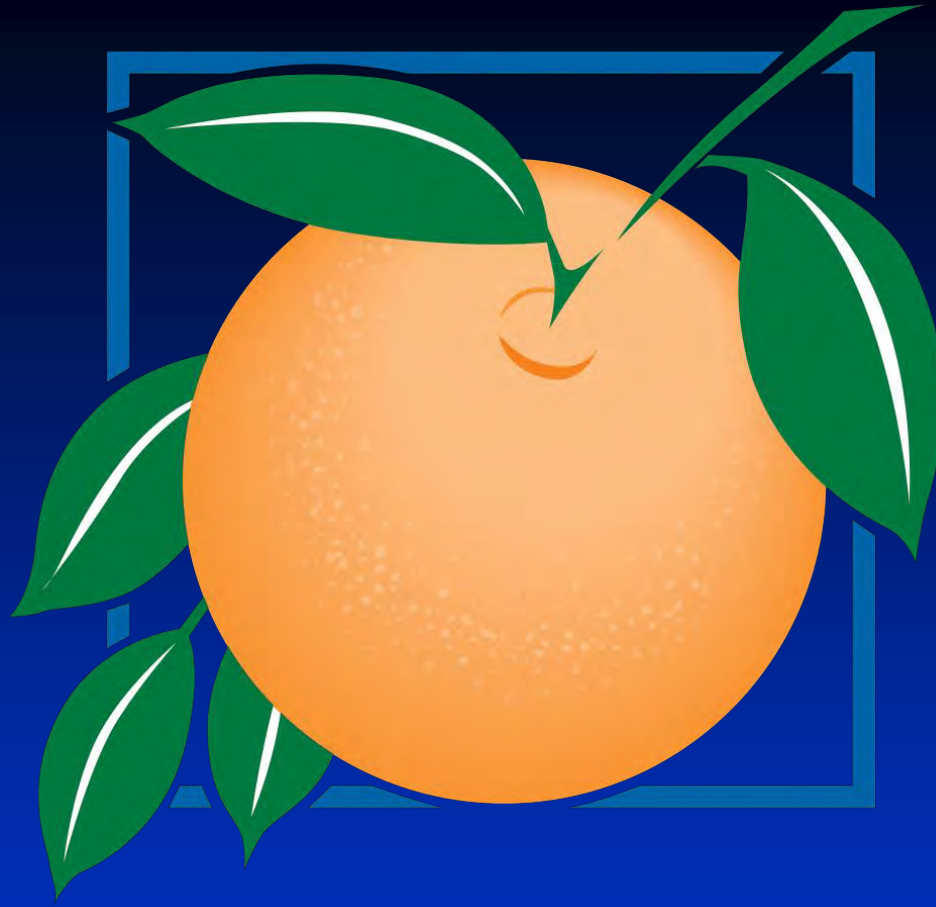
# State Road Projects

## Complete Daryl Carter/Beachline (I-4 Beyond the Ultimate)



SR-400 (I-4) Segment 1  
Project Development and Environment (PD&E) Study





# Williamsburg Town Hall Meeting

## Roadway Infrastructure Improvements

March 12, 2020



*Orange County – Public Works*

# Williamsburg Town Hall

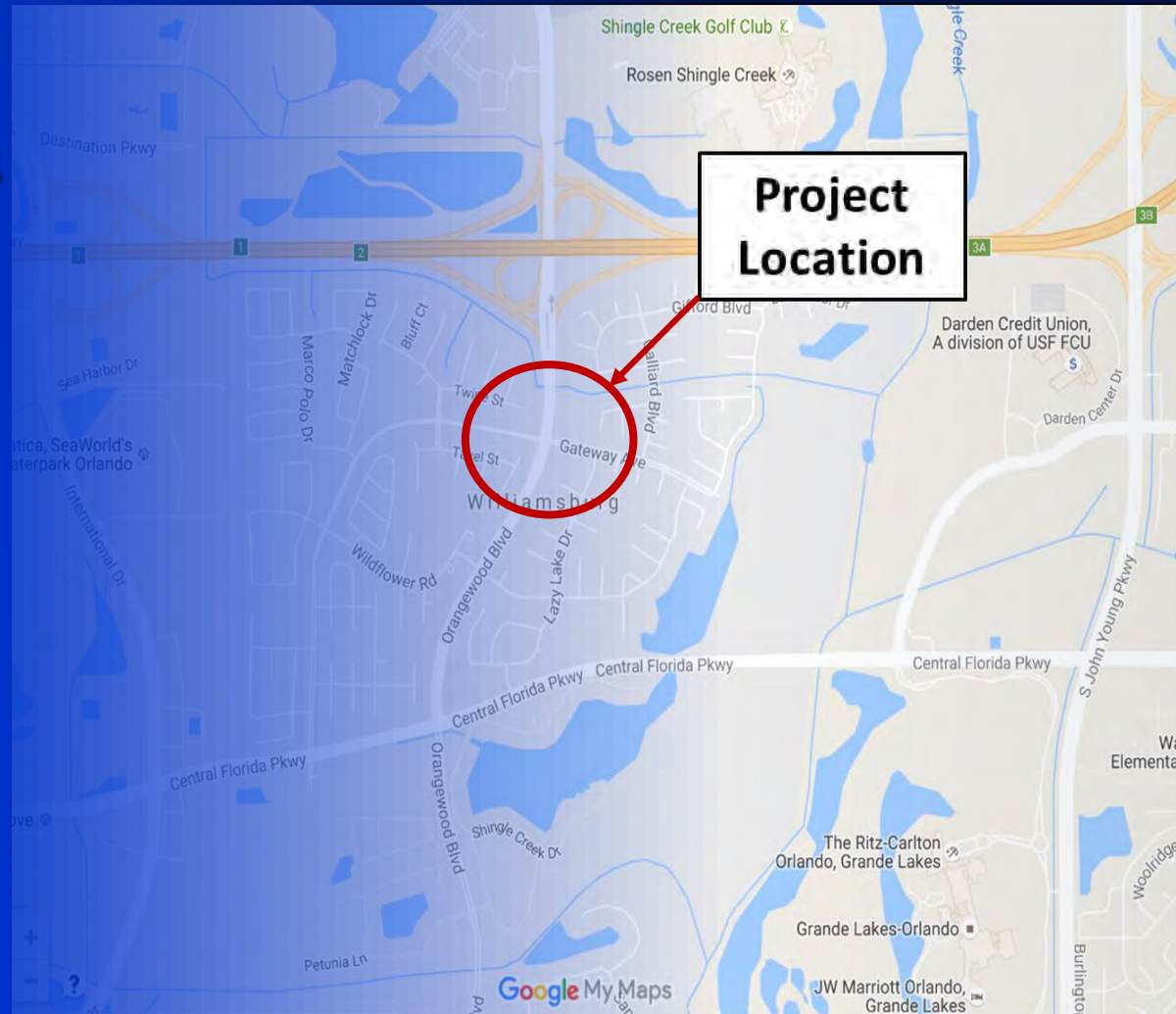
Orangewood Blvd./Gateway Ave.  
Signal Improvements

**March 12, 2020**



# Presentation Overview

- Background Issues
- Existing
- Crash data
- Signal Warrant
- Safety
- Benefits
- Project Status







# Background Issues

- High speeds on Oranewood Blvd.
- High number of crashes
- Operational Analysis

Speed Study – 85<sup>th</sup> % at 45 MPH

Traffic Signal Warrant based on 2019 data



# Existing – 4-Way Stop Control



- Oranewood – 2 Ln + LT Ln
- Gateway – 1 Ln + LT Ln + RT Ln
- Special Emphasis Crosswalks
- Sidewalks/Curb Ramps
- Intersection Lighting





# Signal Analysis

- **Warrant 1, Eight-Hour Vehicular Volume**
- **Warrant 2, Four-Hour Vehicular Volume**
- **Warrant 3, Peak Hour –Vehicular Volume**
- **Warrant 4, Pedestrian Volume**
- **Warrant 5, School Crossing**
- **Warrant 6, Coordinated Signal System**
- **Warrant 7, Crash Experience**
- **Warrant 8, Roadway Network**
- **Warrant 9, Intersection Near a Grade Crossing**



# Warrant 1: 8-Hr. Vehicular Volume

## Condition A - Minimum Vehicular Volume

Condition A is intended for application at locations where a large volume of intersecting traffic is the principal reason to consider installing a traffic control signal.

100% Satisfied:  Yes  No

80% Satisfied:  Yes  No

70% Satisfied:  Yes  No

Number of Lanes for moving traffic on each approach		Vehicles per hour on major-street (total of both approaches)			Vehicles per hour on minor-street (one direction only)		
Major	Minor	100% <sup>a</sup>	80% <sup>b</sup>	70% <sup>c</sup>	100% <sup>a</sup>	80% <sup>b</sup>	70% <sup>c</sup>
1	1	500	400	350	150	120	105
2 or more	1	600	480	420	150	120	105
2 or more	2 or more	600	480	420	200	160	140
1	2 or more	500	400	350	200	160	140

<sup>a</sup> Basic Minimum hourly volume

<sup>b</sup> Used for combination of Conditions A and B after adequate trial of other remedial measures

<sup>c</sup> May be used when the major-street speed exceeds 40 mph or in an isolated community with a population of less than 10,000

Record 8 highest hours and the corresponding major-street and minor-street volumes in the Instructions Sheet.

Street	Eight Highest Hours							
	7 - 8 AM	8 - 9 AM	1 - 2 PM	2 - 3 PM	3 - 4 PM	4 - 5 PM	5 - 6 PM	6 - 7 PM
Major	818	853	749	901	992	1,224	1,475	1,152
Minor	203	225	163	163	169	198	208	154

Existing Volumes





# Warrant 2: 4-Hr. Vehicular Volume

## WARRANT 2 - FOUR-HOUR VEHICULAR VOLUME

If all four points lie above the appropriate line, then the warrant is satisfied.

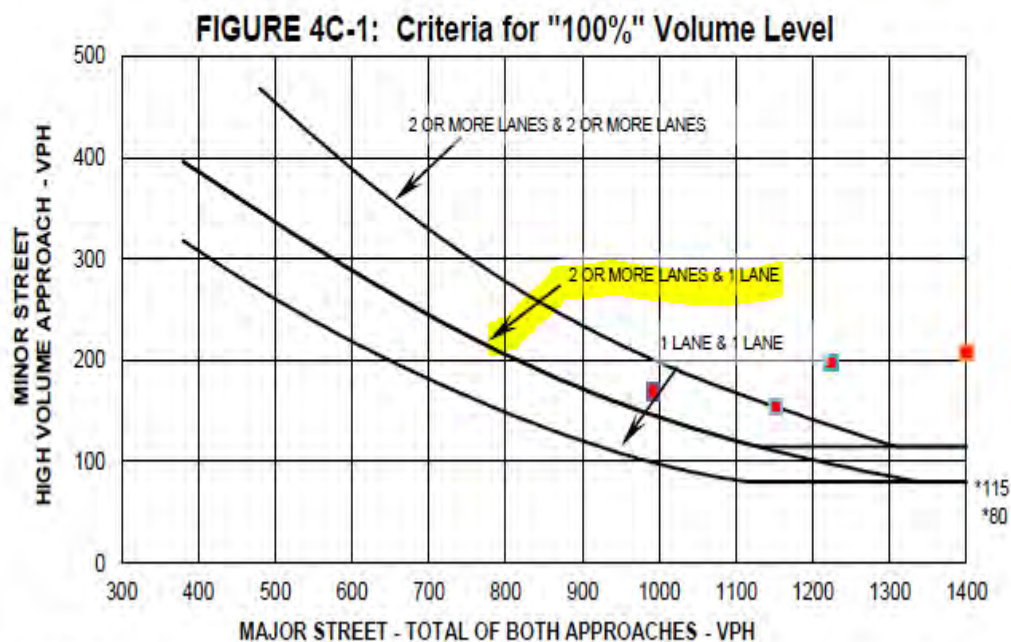
Applicable:  Yes  No

Satisfied:  Yes  No

Plot four volume combinations on the applicable figure below.

### 100% Volume Level

Four Highest Hours	Volumes	
	Major Street	Minor Street
3 - 4 PM	992	169
4 - 5 PM	1224	198
5 - 6 PM	1475	208
6 - 7 PM	1152	154



\* Note: 115 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 80 vph applies as the lower threshold volume threshold for a minor street approach with one lane.



# Warrant 3: Peak Hr. Volume

## WARRANT 3 - PEAK HOUR

If all three criteria are fulfilled **or** the plotted point lies above the appropriate line, then the warrant is satisfied.

Unusual condition justifying use of warrant:

None

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume		
Time	Major Vol.	Minor Vol.
4:45 - 5:45 PM	1469	217

Peak Hour 70% Volume		
Time	Major Vol.	Minor Vol.

### Criteria

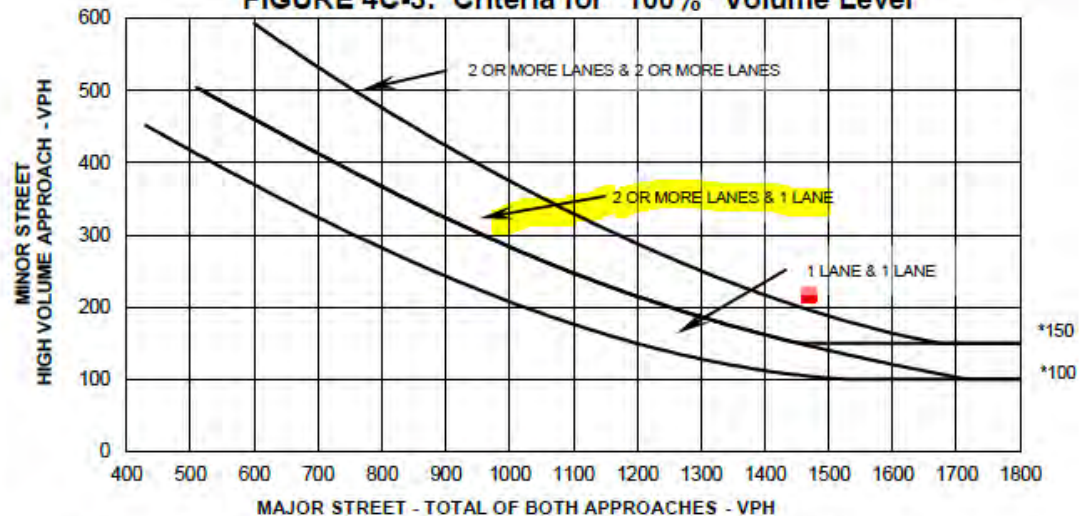
1. Delay on Minor Approach
----------------------------

Applicable:  Yes  No

Satisfied:  Yes  No

Plot volume combination on the applicable figure below.

FIGURE 4C-3: Criteria for "100%" Volume Level



\* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

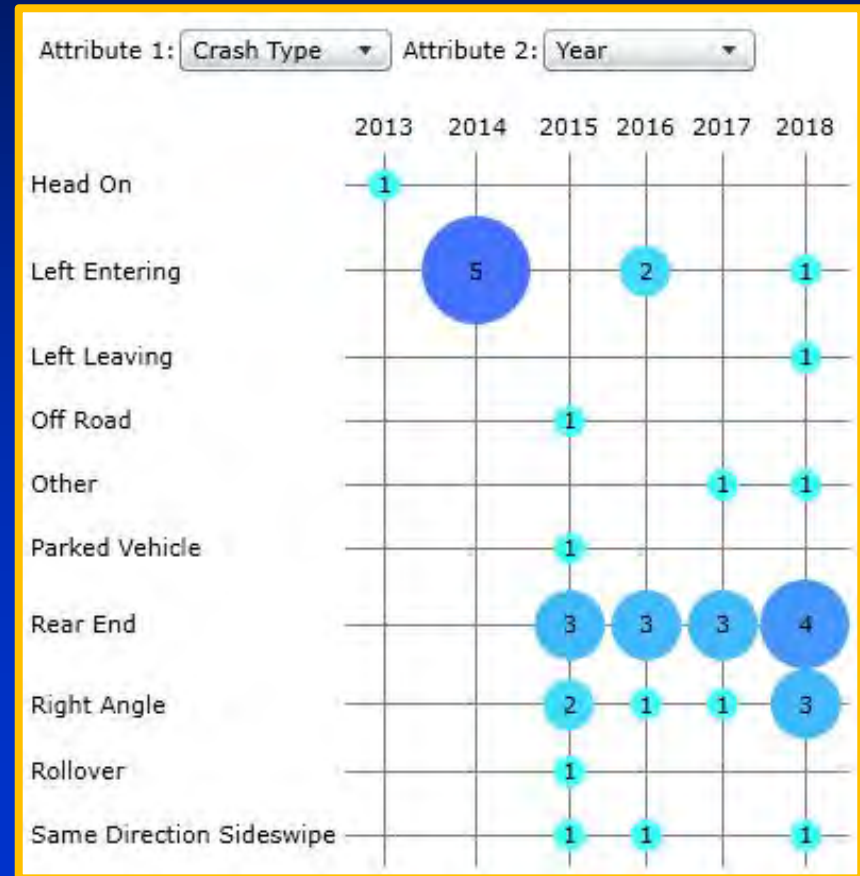
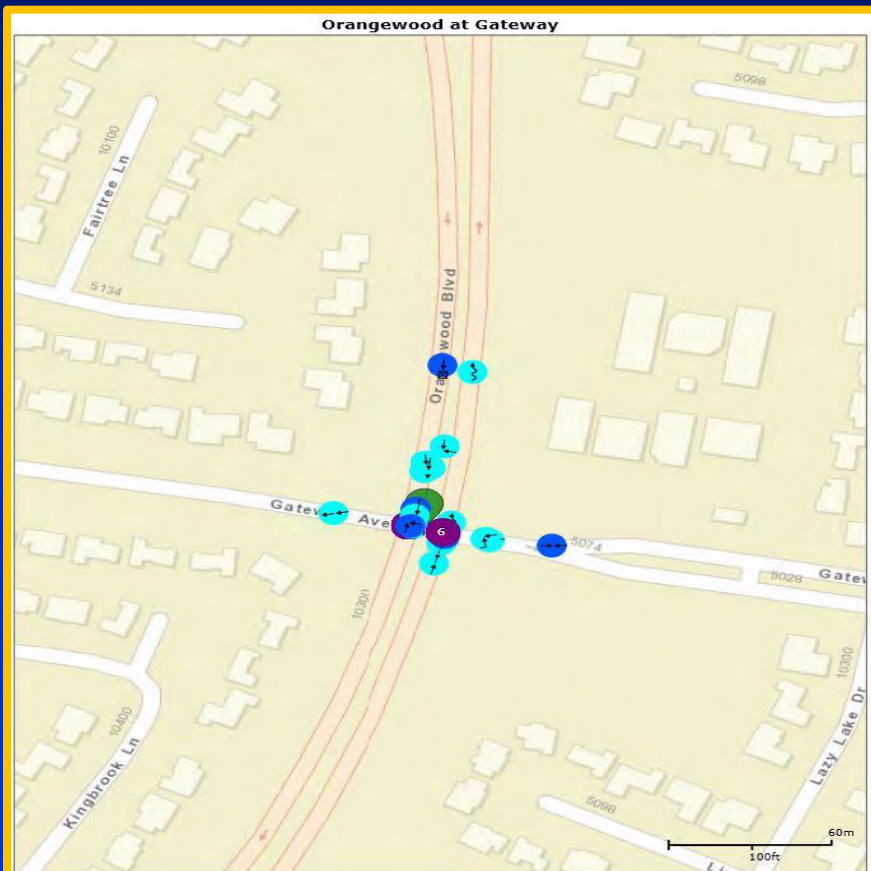




# 5-Yr. Crash Data (2013 – 2018)

38 Total Crashes  
No Fatalities

## Crash Types





# Crash Experience

- Careless Driving 43%
- Failure to Yield 31%
- Improper Lane Change 6%
- Improper Turn 3%
- Disregard Stop Sign 17%





# Signal Warranted

Warrant	Applicable	Satisfied	Comments	
1A	Minimum Vehicular Volume	Yes	Yes	This warrant is met for eight hours of an average day.
1B	Interruption of Continuous Traffic	Yes	No	This warrant is not applicable as the average delay was below 60 seconds per vehicle (delay in excess of 60 seconds per vehicle is considered excessive).
2	Four Hour Vehicular Volume	Yes	Yes	The traffic volumes meet the 100% thresholds of this warrant for four hours of an average day.
3A	Peak Hour Delay	No	No	There is no unusual traffic generator near the study intersection. Therefore, this warrant is not applicable.
3B	Peak Hour Volume	Yes	Yes	This warrant is met.
4	Pedestrian Volume	Yes	No	The pedestrian volumes do not satisfy this warrant.
5	School Crossing	No	No	This warrant is not applicable, as no school zone exists at the intersection.
6	Coordinated Signal System	No	No	This warrant is not applicable, as this intersection is not within a coordinated signal system.
7	Crash Experience	Yes	Yes	At least five crashes potentially correctable by installing a traffic signal within a twelve-month period are required to satisfy this warrant.
8	Roadway Network	No	No	This warrant is not applicable, as this intersection is not considered to be part of a coordinated network.
9	Railroad Crossing	No	No	This warrant is not applicable, as there is no railroad crossing near the study intersection.



# Project Status

## ■ Design

- Design started February 2020
- Final Plans – December 2020

## ■ Construction

- Bidding/Award – January – May 2021
- Construction Commencement – June 2021

## ■ Estimated Construction Cost

- \$750,000





# Questions?

**Humberto Castillero, PE, PTOE**  
**Orange County Traffic Engineer**  
**Public Works Department**  
**Humberto.Castillero@ocfl.net**  
**(407) 836-7891**



# WILLIAMSBURG COMMUNITY MEETING

Orange County Fire Rescue Department

March 12, 2020





# FIRE RESCUE DEPARTMENT



Quick Facts / Scope of  
Services



Station Data



Community Outreach



Fire Station 57





# QUICK FACTS/SCOPE OF SERVICES





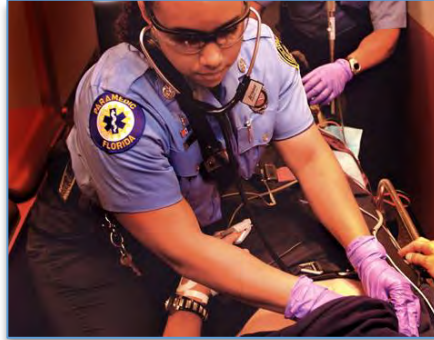


## QUICK FACTS

- **42 Fire Stations**
- **Over 126,693 Call Responses in FY19**
- **Over 71,630 EMS Transports**
- **1489 Positions**
- **Orange County Fire Rescue Holds:**
  - ✓ **ISO Class-1**
  - ✓ **CFAI Accredited Agency**



# Scope of Services



## Fire Suppression

- Residential
- Commercial
- Industrial
- Urban Interface
- Rural

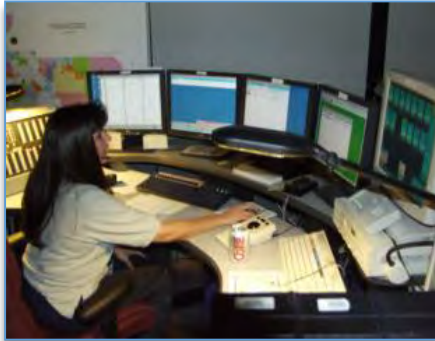
## Emergency Medical

## Technical Rescue

- High Angle
- Confined Space
- USAR
- Vehicle Extrication
- Dive Team



# Scope of Services



## 911 Communications

- Call Answer/ Dispatch
- Pre-Arrival Instructions
- AVL/Mobile Data
- Notifications
- Municipal Services



## Fire Marshal

- Fire Inspections
- Plan Reviews
- Car Seat Checks
- Smoke Detector Distribution





# STATION DATA

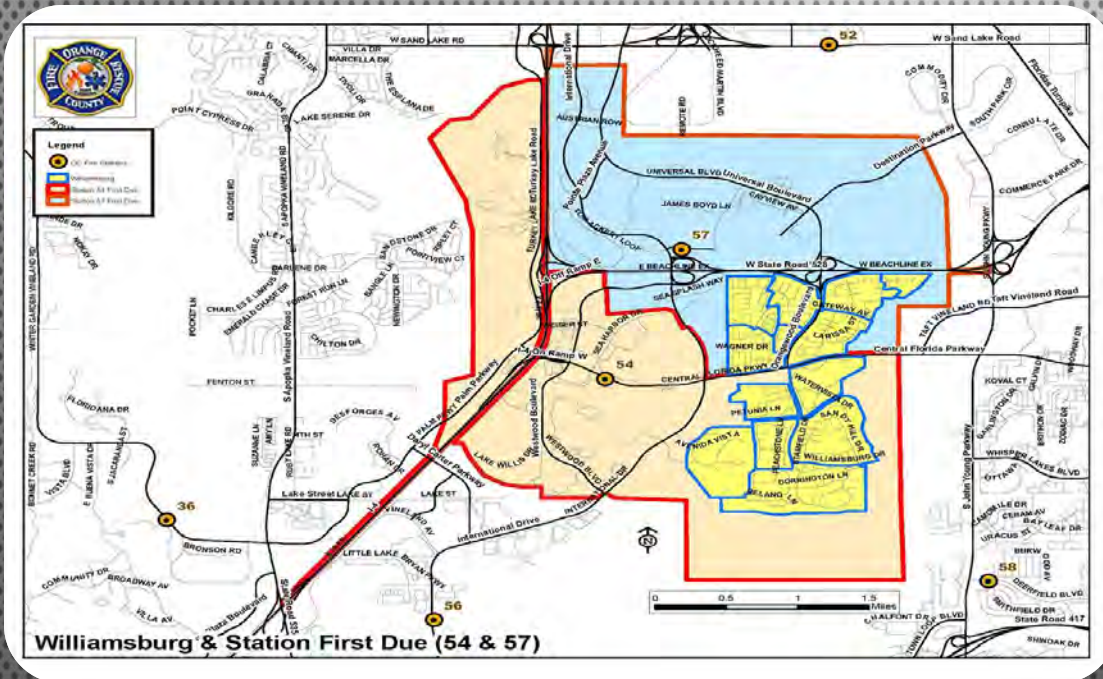








# PRIMARY RESPONSE AREA STATION 54 & 57



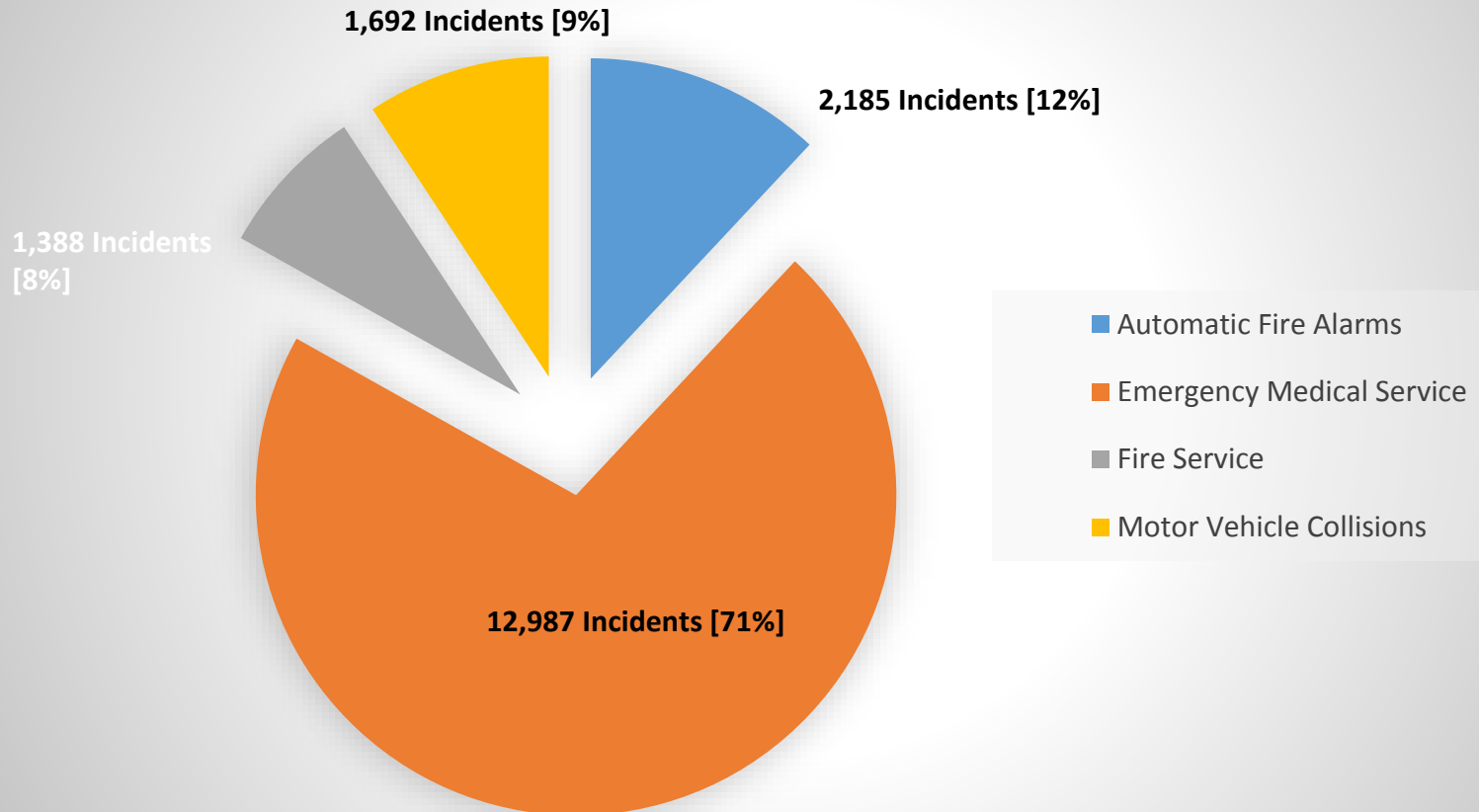
**Total Response Time  
6:45 (Avg.)**



# STATION 54 & 57 CALL DISTRIBUTION



## Total Call Volume FY2017-FY2019



# Station 54 Apparatus

6500 Central Florida Parkway, Orlando, FL. 32821



Truck 54



Battalion 3



Rescue 54



Squad 1



Technical Rescue  
Trailer



# “A Month in the Life”

## Station 54

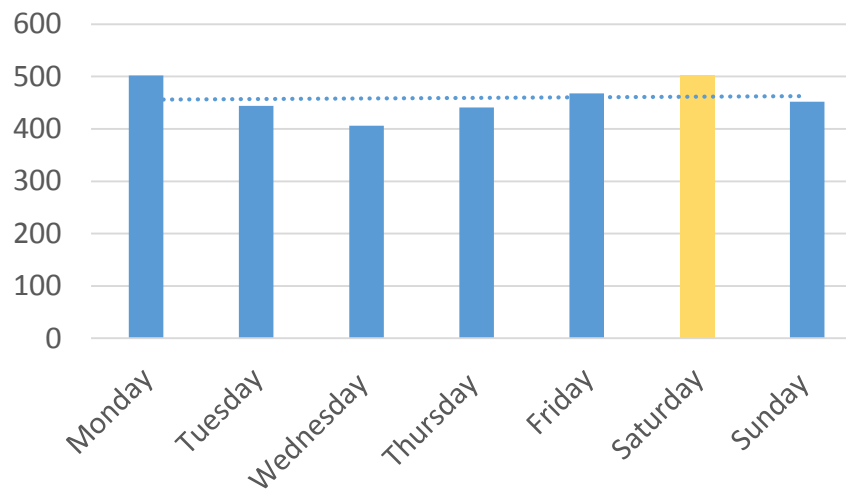


- 331 Unit responses in July including:
  - ✓ 31 auto accidents (1 with entrapment)
  - ✓ 3 structure fires
  - ✓ 1 vehicle fires
  - ✓ 59 fire service calls
  - ✓ 3 HazMat incidents
  - ✓ 233 Emergency Medical Service (EMS) calls
  - ✓ 162 patients transported

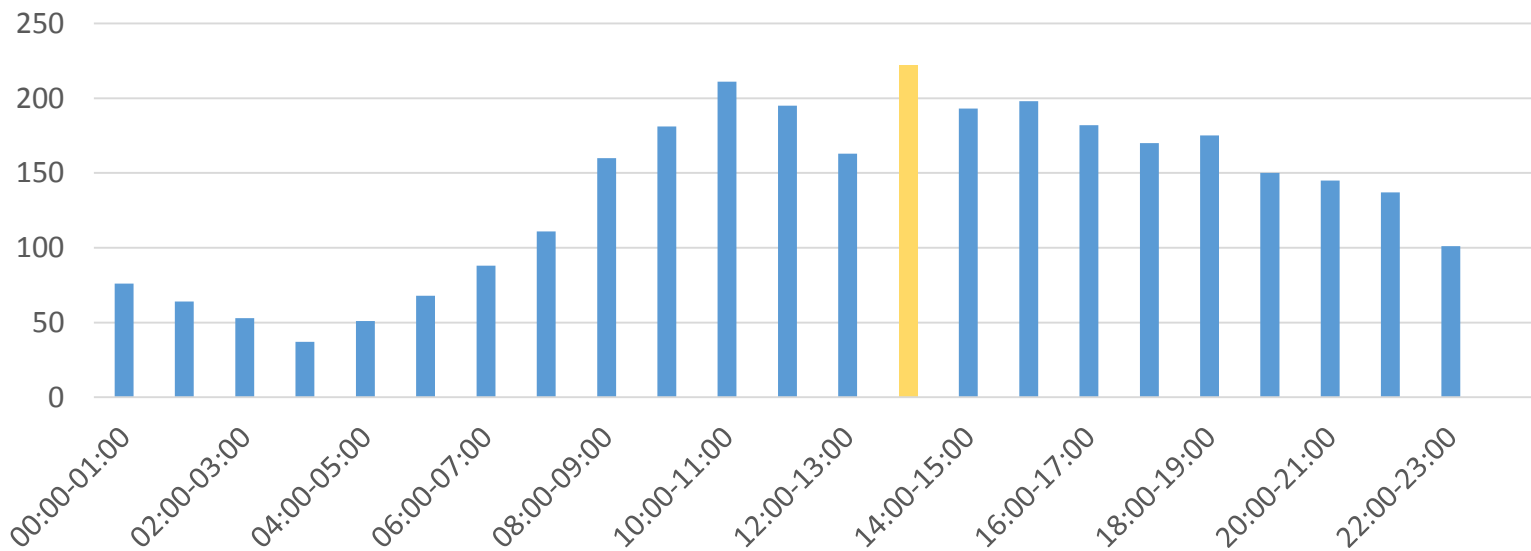
# Station 54 Facts



## Busiest Day of the Week



## Busiest Time of the Day





# Station 57 Apparatus

6014 Destination Parkway, Orlando, FL 32819



Engine 57



Rescue 57

# “A Month in the Life”

## Station 57



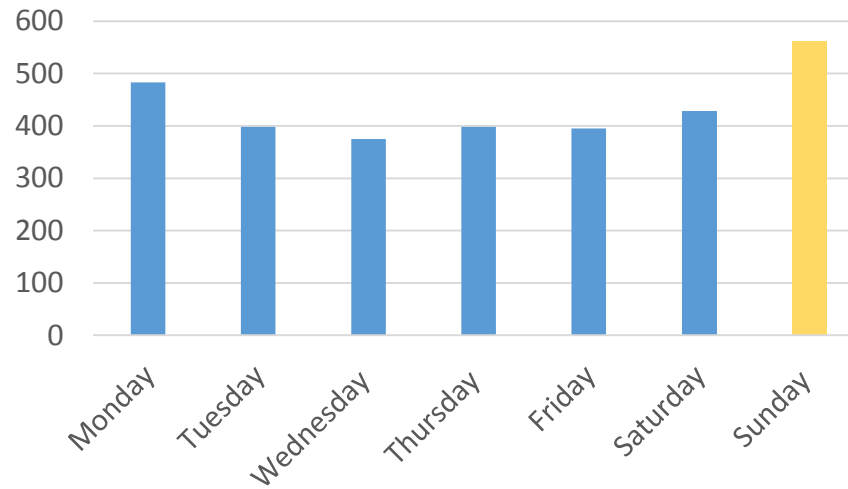
- 346 Unit responses in June including:
  - ✓ 27 auto accidents
  - ✓ 3 structure fires
  - ✓ 2 vehicle fires
  - ✓ 57 fire service calls
  - ✓ 2 HazMat incidents
  - ✓ 254 Emergency Medical Service (EMS) calls
  - ✓ 192 patients transported to area hospitals



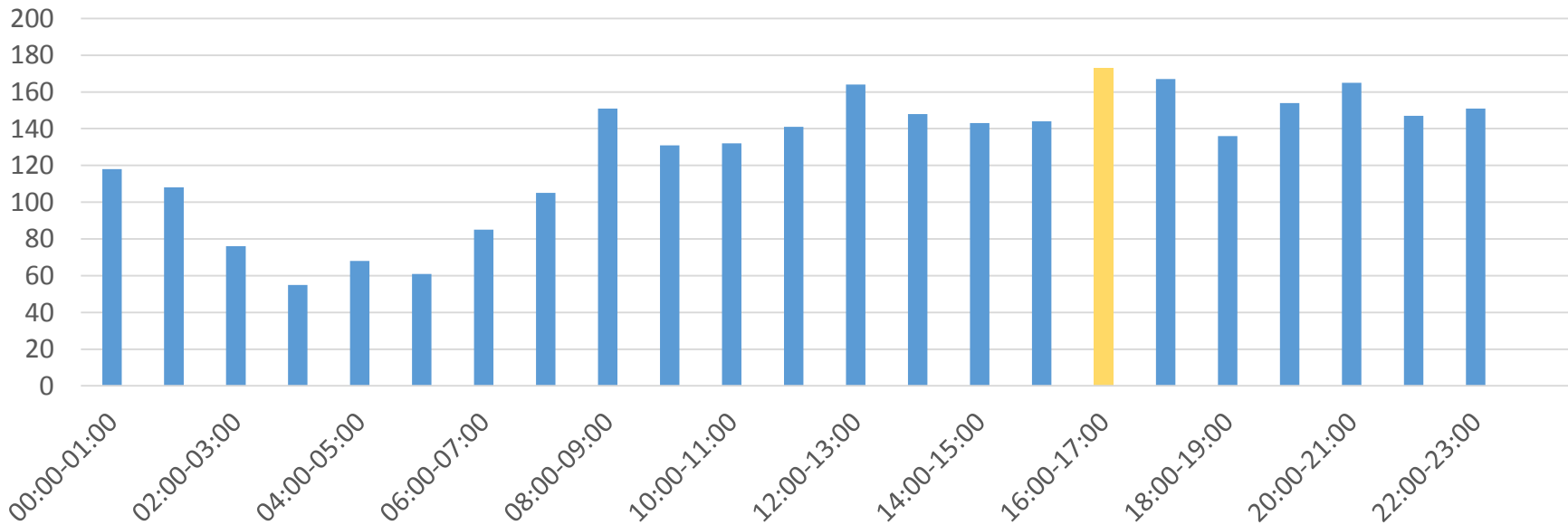
# Station 57 Facts



## Busiest Day of the Week



## Busiest Time of the Day



# COMMUNITY OUTREACH



# Community Risk Reduction



## 2 LAYER 2: BARRIERS

A child should never be able to enter the pool area unaccompanied by a guardian. Barriers physically block a child from the pool. Barriers include: child-proof locks on all doors, a pool fence with self-latching and self-closing gates, as well as door and pool alarms. Pool covers may also be used but make sure it is a professional cover, fitted for your pool. A simple canvas covering can be a drowning hazard and entrap a child in the water.

## 3 LAYER 3: EMERGENCY PREPAREDNESS

The moment a child stops breathing there is a small, precious window of time in which resuscitation may occur. But only if someone knows what to do. Even if you're not a parent, it's important to learn CPR. The techniques are easy to learn and can mean the difference between life and death. In an emergency, it is critical to have a phone nearby and immediately call 911.

The Residential Swimming Pool Safety Act (Chapter 515, Florida Statutes) requires one of the following pool safety measures for pools built after October 1, 2000:

1. A pool fence with self-closing, self-latching gate—enclosing the pool and providing no direct access to it.
2. An approved pool cover.
3. Alarms on all doors and windows leading out to the pool.
4. All doors providing direct access from the home to pool to have a self-closing, self-latching device with a release mechanism no lower than 54 inches above the floor.

The Department of Health recommends, at a minimum, using a combination of the barriers described above to help ensure your pool is equipped with approved safety features. For more information about the 515.29 Residential swimming pool barrier requirements, visit [WaterproofFL.com/requirements](http://WaterproofFL.com/requirements).



THE PROPER PHYSICAL BARRIERS SERVE AS A CRUCIAL LAYER OF PROTECTION.

Learn the steps you can take to protect Florida's children. Pool safety is everyone's responsibility.  
1-877-368-0033 | [WaterproofFL.com](http://WaterproofFL.com)

**waterproofFL**  
The Pool Safety Experts

### Grilling Safety

There's nothing like outdoor grilling. It's one of the most popular ways to cook food. But, a grill placed too close to anything that can burn is a fire hazard. They can be very hot, causing burn injuries. Follow these simple tips and you will be on the way to safe grilling.

#### SAFETY TIPS

- » Propane and charcoal BBQ grills should only be used outdoors.
- » The grill should be placed well away from the home, deck railings and out from under eaves and overhanging branches.
- » Keep children and pets at least three feet away from the grill area.
- » Keep your grill clean by removing grease or fat buildup from the grills and in trays below the grill.
- » Never leave your grill unattended.
- » Always make sure your gas grill lid is open before lighting it.

#### CHARCOAL GRILLS

- » There are several ways to get the charcoal ready to use. Charcoal chimney starters allow you to start the charcoal using newspaper as a fuel.
- » If you use a starter fluid, use only charcoal starter fluid. Never add charcoal fluid or any other flammable liquids to the fire.
- » Keep charcoal fluid out of the reach of children and away from heat sources.
- » There are also electric charcoal starters, which do not use fire. Be sure to use an extension cord for outdoor use.
- » When you are finished grilling, let the coals completely cool before disposing in a metal container.

#### PROPANE Grills

Check the gas tank hose for leaks before using it for the first time each year. Apply a light soap and water solution to the hose. A propane leak will release bubbles. If your grill has a gas leak, by smell or the soapy bubble test, and there is no flame, turn off the gas tank and grill. If the leak stops, get the grill serviced by a professional before using it again. If the leak does not stop, call the fire department. If you smell gas while cooking, immediately get away from the grill and call the fire department. Do not move the grill.

If the flame goes out, turn the grill and gas off and wait at least 15 minutes before re-lighting it.

#### FACTS

- ! July is the peak month for grill fires.
- ! Roughly half of the injuries involving grills are thermal burns.



Name or Organization Here

Contact Information Here



Your Source for SAFETY Information  
NFPA Public Education Division • 1 Batterymarch Park, Quincy, MA 02149





# Community Risk Reduction

Thunder and lightning

storms happen all the time. Know what to do to keep you and your family safe when storms strike!

## Safety Tips

### Outdoor Safety

- » If you can hear thunder, you are within striking distance of lightning. Look for shelter inside a home, large building, or a hard-topped vehicle right away.
- » Do not go under trees for shelter. There is no place outside that is safe during a thunderstorm.
- » Wait at least 30 minutes after hearing the last clap of thunder before leaving your shelter.
- » Stay away from windows and doors. Stay off porches.
- » There is no safe place outside. Places with only a roof on sports fields, golf courses, and picnic areas are not safe during a lightning storm. Small sheds should not be used.
- » If a person is struck by lightning, call 9-1-1. Get medical help right away.

### Indoor Safety

Turn off computers. Stay off corded phones, computers, and other things that put you in direct contact with electricity or plumbing. You can use a cell or cordless phone.

Do not wash your hands, bathe, shower, do laundry, or wash dishes.



## Smoke Alarms at Home

SMOKE ALARMS ARE A KEY PART of a home fire escape plan. When there is a fire, smoke spreads fast. Working smoke alarms give you early warning so you can get outside quickly.



### SAFETY TIPS

- » Install smoke alarms inside and outside each bedroom and sleeping area. Install alarms on every level of the home. Install alarms in the basement.
- » Large homes may need extra smoke alarms.
- » It is best to use interconnected smoke alarms. When one smoke alarm sounds they all sound.
- » Test all smoke alarms at least once a month. Press the test button to be sure the alarm is working.
- » There are two kinds of alarms. Ionization smoke alarms are quicker to warn about flaming fires. Photoelectric alarms are quicker to warn about smoldering fires. It is best to use both types of alarms in the home.
- » A smoke alarm should be on the ceiling or high on a wall. Keep smoke alarms away from the kitchen to reduce false alarms. They should be at least 10 feet (3 meters) from the stove.
- » People who are hard-of-hearing or deaf can use special alarms. These alarms have strobe lights and bed shakers.
- » Replace all smoke alarms when they are 10 years old.

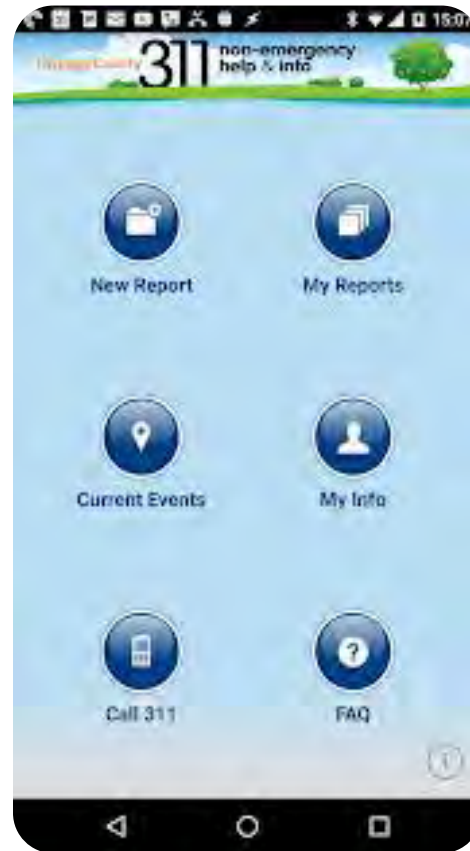
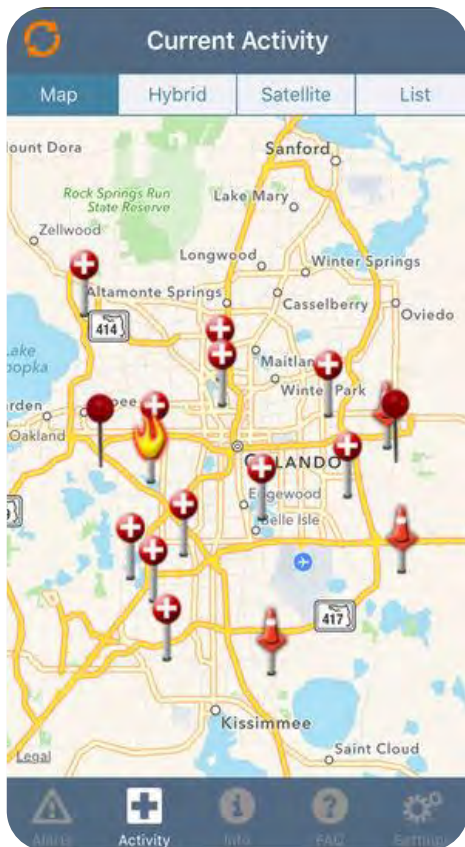
### FACTS

- 1 Smoke alarms should be installed inside every bedroom, outside each sleeping area and on every level. Smoke alarms should be connected so when one sounds, they all sound. Most homes do not have this level of protection.
- 1 Roughly 3 out of 5 fire deaths happen in homes with no smoke alarms or the alarms are not working.





# Smartphone Apps







# NEW FIRE STATION 57



REPLACEMENT





# New Fire Station 57







# WILLIAMSBURG COMMUNITY MEETING

Orange County Fire Rescue Department

March 12, 2020



# WILLIAMSBURG TOWN HALL

**Sheriff John W. Mina**

**Acting Captain Ken Parker**



**ORANGE COUNTY  
SHERIFF'S OFFICE**



## MISSION STATEMENT

*The Orange County Sheriff's Office is committed to excellence in law enforcement, reducing crime and the fear of crime, ensuring the safety of our residents and visitors, while enhancing trust through community engagement.*

# ORANGE COUNTY SHERIFF'S OFFICE VALUES

## **REDUCE CRIME**

Reduce crime, the fear of crime, and keep our residents and visitors safe

## **TRUST & TRANSPARENCY**

Work diligently to enhance trust through transparency and community engagement

## **DIGNITY & RESPECT**

Treat all members of the public with dignity and respect

## **COMMUNITY**

Demonstrate a strong commitment to the communities we serve and enhance quality of life throughout Orange County

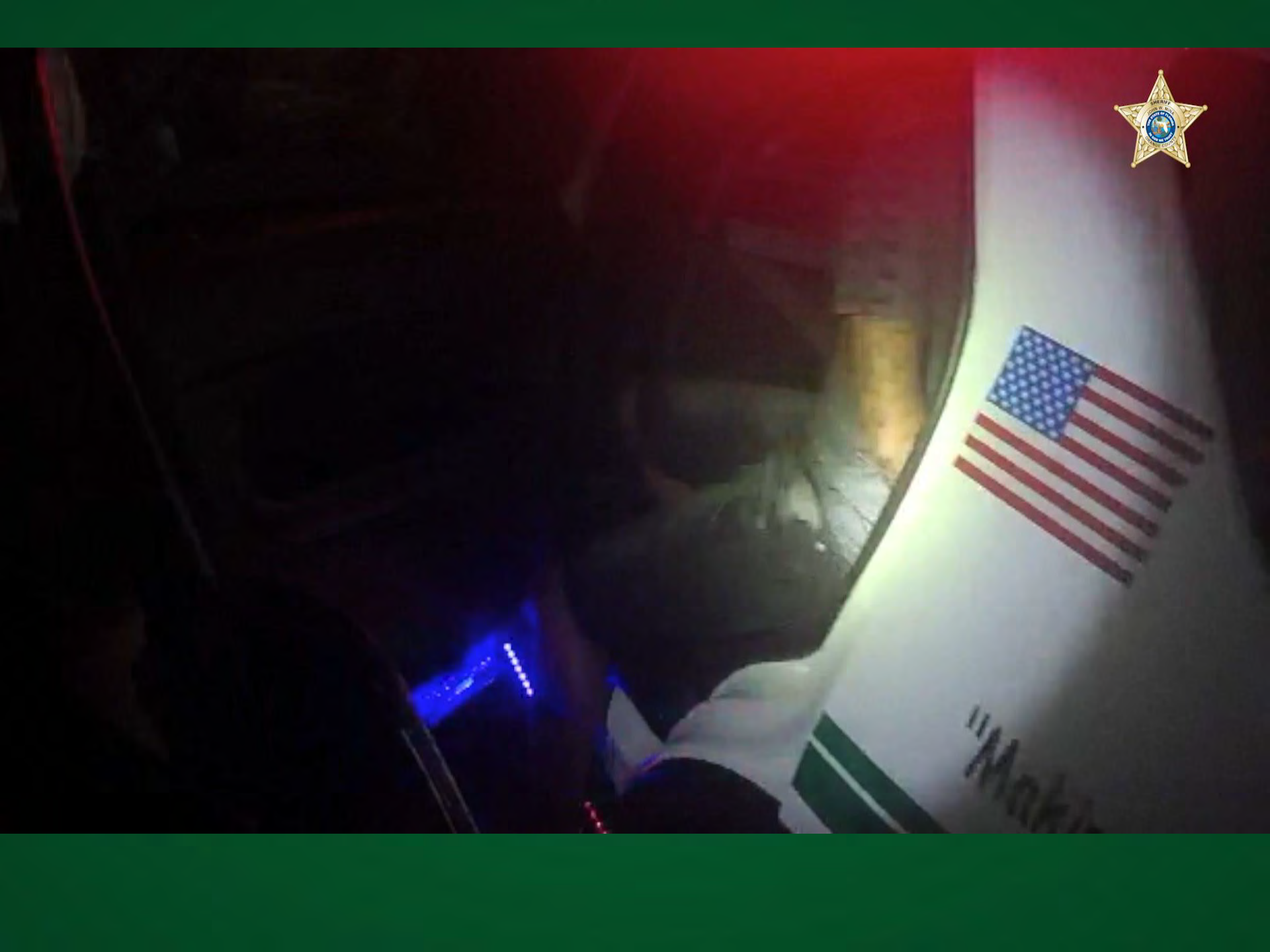
## **INTEGRITY**

Maintain the highest levels of integrity and professionalism while delivering excellent service

## **SAFETY & WELLNESS**

Incorporate the best training, equipment, and programs for the safety, health, and wellness of all employees



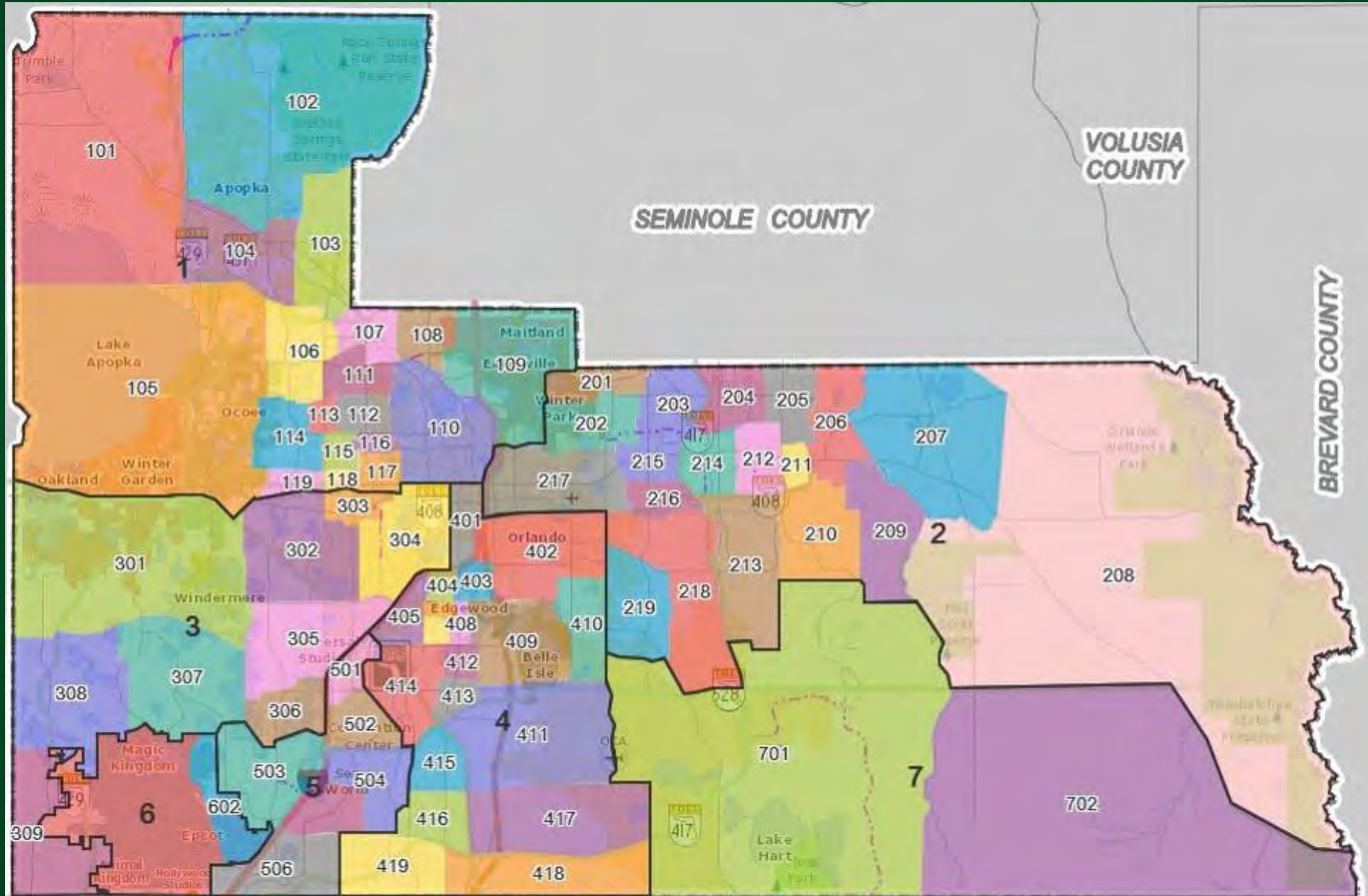


# Central Florida is Seeing Tremendous Growth

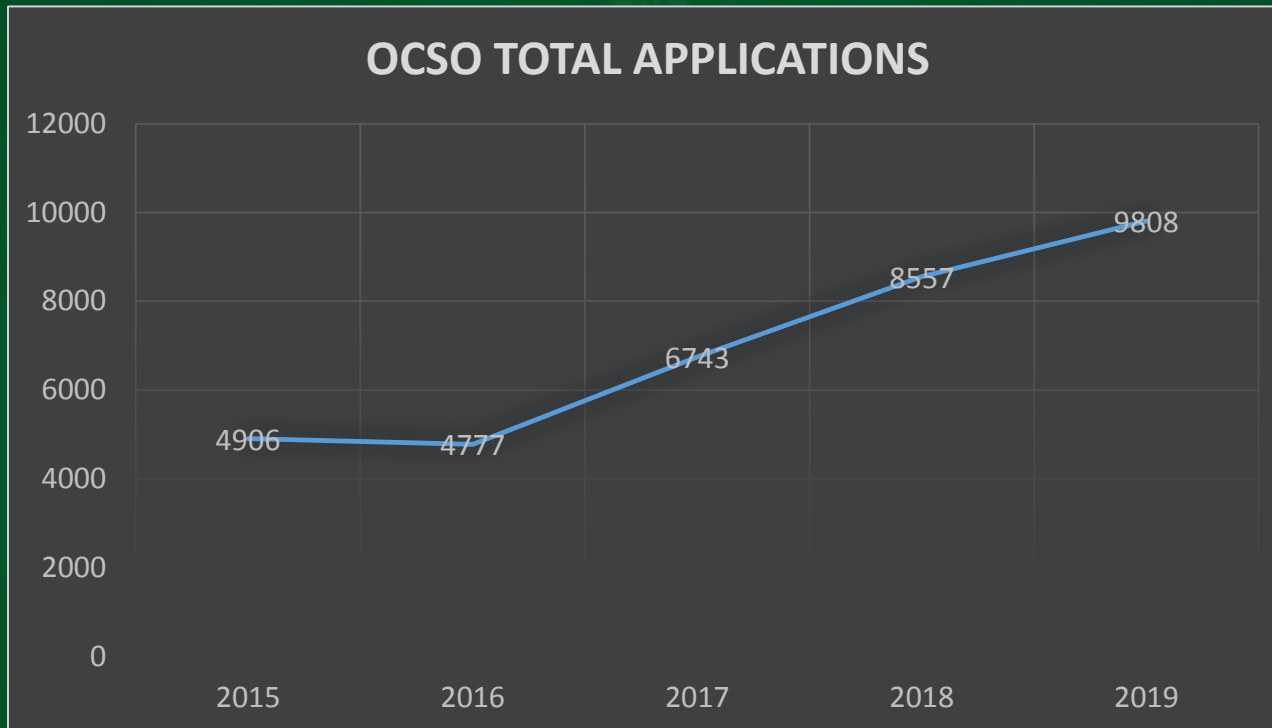
- According to the Orlando Economic Partnership, the Central Florida region is projected to **add more than 1,500 people every week for the next 11 years**
- About 30 percent of them will settle in Orange County
- In planning for this continued growth, we have made some changes to the way the county is patrolled by our deputies



# New Sector Boundaries



# Recruiting: Attracting and Retaining the Best Talent



- In 2019, 9,808 people applied for jobs with OCSO
- In 2019, we hired more than 160 Deputies
- In 2018, we hired 140 Deputies

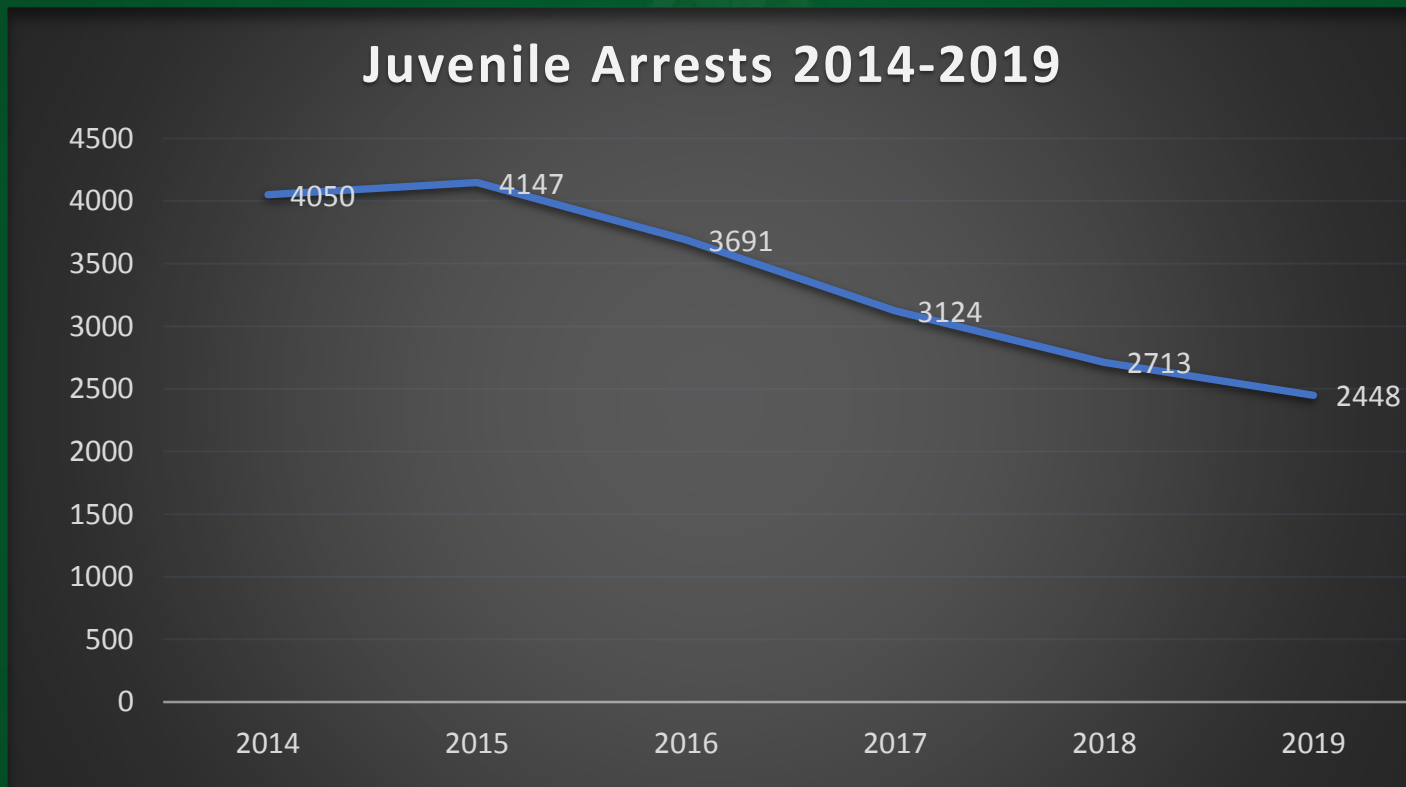


# Recruiting Military Veterans



Nearly 40 percent of the new hires in 2019 have served in the military

# Juvenile Arrests down nearly 40 percent since 2014



In 2019, OCSO made 2,448 juvenile arrests, and we expect the downward trend to continue



# School Resource Deputies: Keeping Our Kids Safe



Deputies provide bell-to-bell coverage in all traditional schools  
in OCSO jurisdiction

# Safety Measures in Schools

- The Orange County Sheriff's Office has purchased (\$199,000) and installed 128 gun safes in our 121 schools
- All School Resource Deputies undergo extensive training in Active Shooter response and “single deputy response”
- **OCSO has real-time access to roughly 6,000 video cameras in Orange County Public Schools**
- Deputies and analysts in our Analytics, Intelligence and Monitoring (AIM) unit can instantly give valuable intelligence to Deputies



# Opioid Epidemic: A Constant Battle

2019 YTD: **187** overdose deaths  
2018 YTD: **185** overdose deaths

**EVERY DAY,  
115 AMERICANS  
DIE AFTER  
OVERDOSING  
ON OPIOIDS.**



OCSO Deputies have administered Narcan more than 479 times since May, 2016

Narcan has been a valuable tool – and it has saved lives!

# Keeping Crime Guns Off Our Streets

In July 2019, during two burglaries, 50 guns were stolen and in the hands of criminals – because they weren't locked up by the gun shop and pawn shop



That's why I am calling for a law requiring gun and pawn shops to secure their firearm inventory at night



# Telling the OCSO Story

**Orange County Sheriff's Office** @OrangeCoSheriff · Dec 20, 2019  
 It's almost time! OCSO SWAT spreading some holiday cheer at @APHospital! SWAT operators will rappel from the roof and on the way down, they'll wave to some of the kids, staff and @SheriffMina!

**Orange County Sheriff's Office** @OrangeCoSheriff · Feb 7  
 Get ready for #TweetfromtheBeat! TONIGHT, right here, between 6pm and 10pm.  
 Join us to get a behind-the-scenes look of OCSO deputies keeping Orange County safe!



**OCSO Deputies rescue man from burning car**  
 Orange County Sheriff's Offi...  
 3M Views

**It's OK to not be OK**  
 Orange County Sheriff's Offi...  
 431K Views

**Orange County Sheriff's Office SWAT Team**  
 Orange County Sheriff's Offi...  
 10K Views

**OCSO deputy finds brother on 23andMe**  
 Orange County Sheriff's Offi...  
 20K Views

**Trained as a law enforcement officer Corporal Rougeux is...**  
 Orange County Sheriff's Offi...  
 5.3K Views

**Puppy Dorian Update**  
 Orange County Sheriff's Offi...  
 6.9K Views

**Orange County Sheriff's Office** @OrangeCoSheriff · Jan 18  
 We are excited to be at Town of @eatonville\_fl's Dr. Martin Luther King Jr. parade celebration . We haven't started yet so come on over and join us!

**BEHIND THE STAR**

What Happens When You Call 9-1-1

**Orange County Sheriff's Office** @OrangeCoSheriff · Dec 23, 2019  
 Our deputies were overjoyed to gather and donate Christmas presents for the residents of the Russell Home. They house people with special needs and disabilities from the ages of 12 weeks to 70. Great work by all involved!



2020-01-10 T10:00:05Z  
AXON FLEX 2 X83086917





# Community Involvement



It's integral to everything we do

# Fighting Crime

- Our top priority is making sure that Orange County remains a great place to live, work and visit
- Our crime fighting initiatives are the key to that
- We monitor any crime trends closely and we deploy our myriad resources to tamp down crime
- In 2019, OCSO made 25,476 arrests (13,220 felonies and 12,256 misdemeanors)
- 2019, the Sheriff's Office initiated more than 50 crime fighting special operations



# Crime Overview

2019 VS 2018

- Overall Crime in Orange County was DOWNS -1%
- Overall Burglary Crimes in Zone 50A (Williamsburg) was DOWNS -9%
- There were 6 additional residential burglaries
- Auto Theft was DOWNS -28%

# Contact Information

## Acting Captain Ken Parker

6817 Westwood Boulevard

Orlando, Florida, 32821

407-354-0889 – Office

[Ken.Parker@ocfl.net](mailto:Ken.Parker@ocfl.net)



# QUESTIONS?





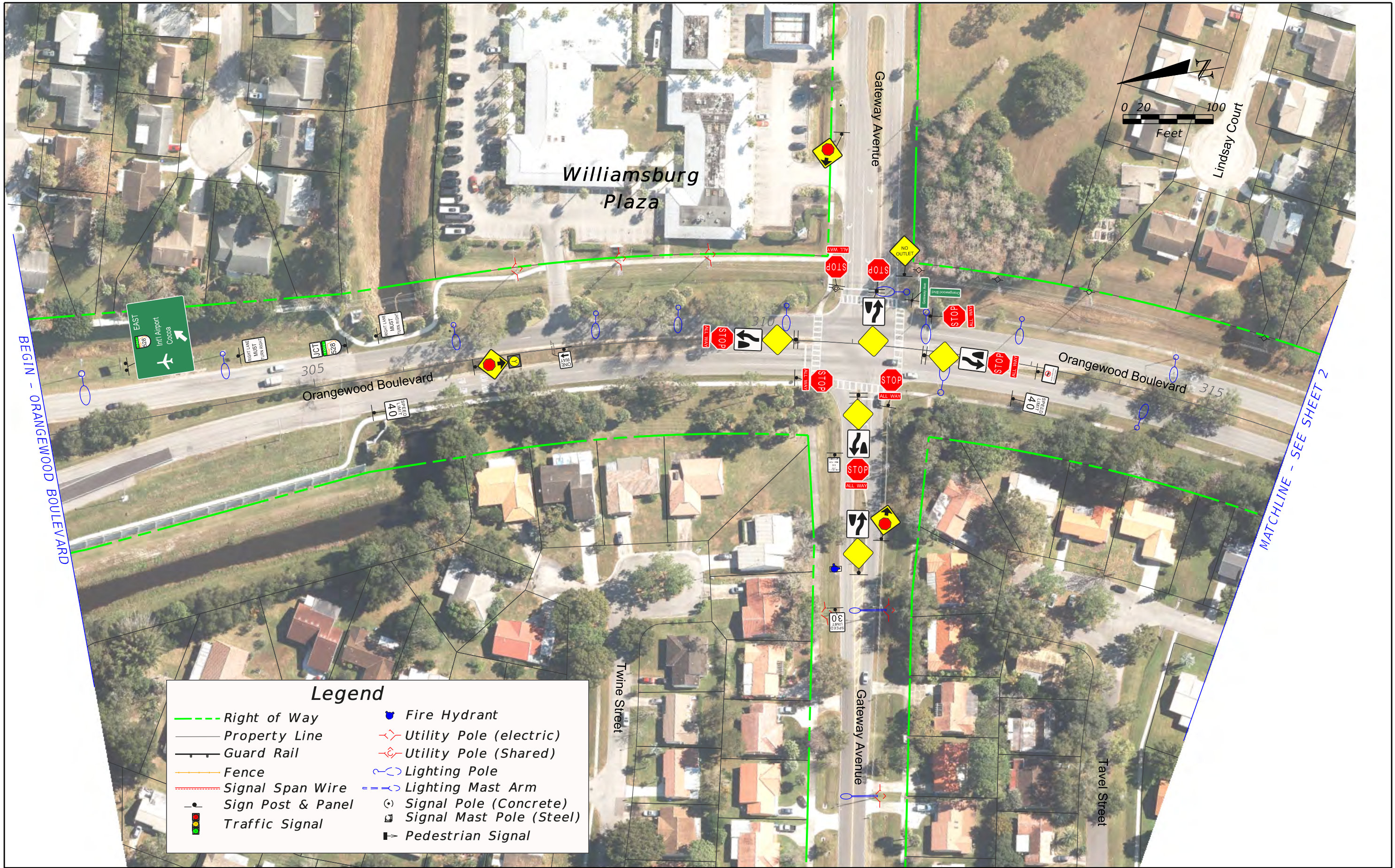
# Williamsburg Town Hall Meeting

Q&A



**Appendix H**  
**Study Area Condition Diagrams**





**Legend**

Right of Way	Fire Hydrant
Property Line	Utility Pole (electric)
Guard Rail	Utility Pole (Shared)
Fence	Lighting Pole
Signal Span Wire	Lighting Mast Arm
Sign Post & Panel	Signal Pole (Concrete)
Traffic Signal	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET NO.  
1





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET NO.  
2





**Legend**

Right of Way	Fire Hydrant
Property Line	Utility Pole (electric)
Guard Rail	Utility Pole (Shared)
Fence	Lighting Pole
Signal Span Wire	Lighting Mast Arm
Sign Post & Panel	Signal Pole (Concrete)
Traffic Signal	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

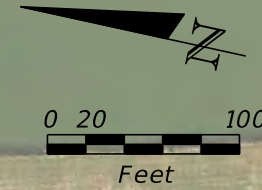
WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET NO.  
3





MATCHLINE - SEE SHEET 3

MATCHLINE - SEE SHEET 5

Legend					
	Right of Way		Fire Hydrant		Utility Pole (electric)
	Property Line		Utility Pole (Shared)		Lighting Pole
	Guard Rail		Lighting Mast Arm		Signal Pole (Concrete)
	Fence		Signal Mast Pole (Steel)		Pedestrian Signal
	Signal Span Wire		Traffic Signal		

REVISIONS					
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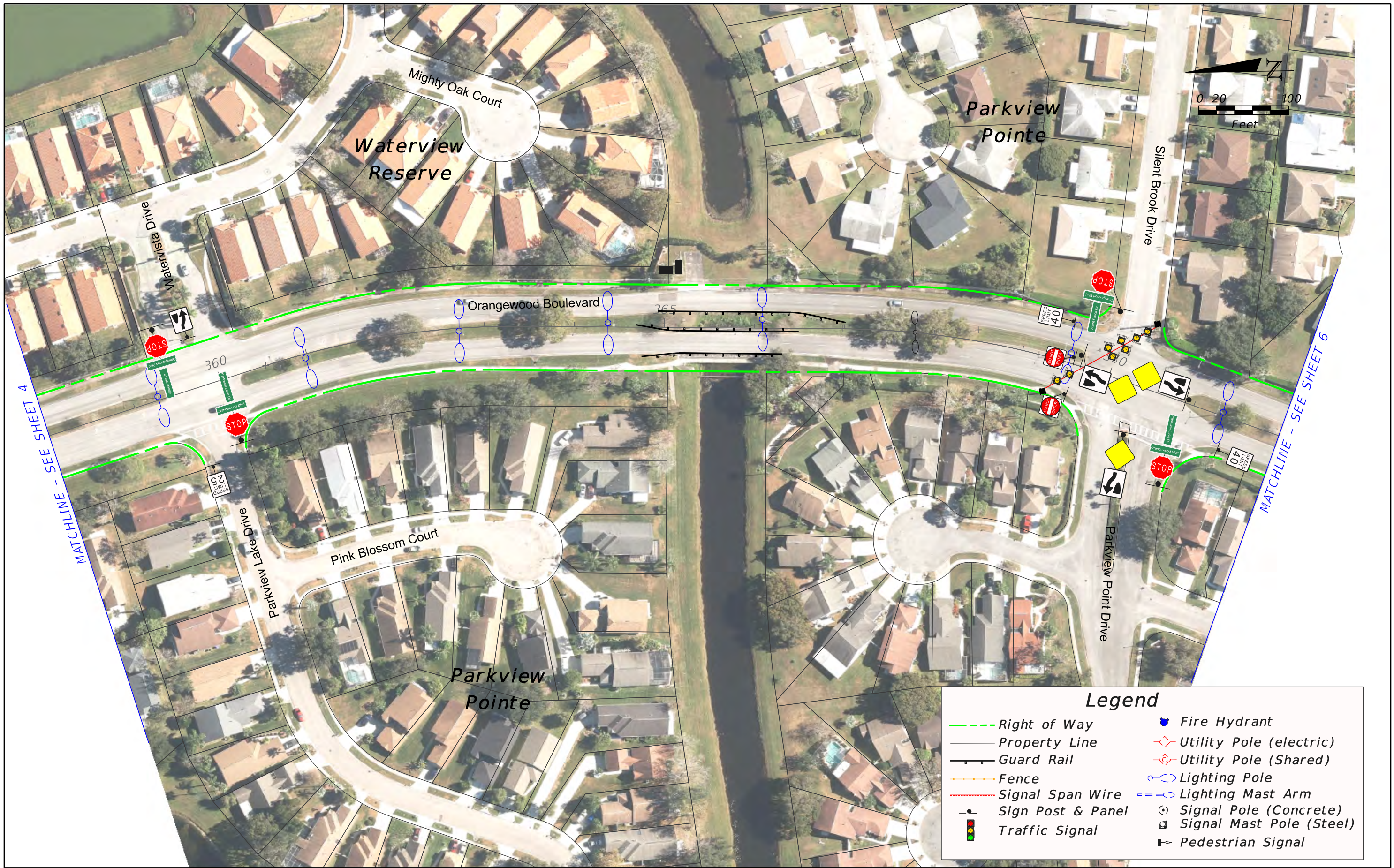
WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET NO.  
4





Legend	
	Right of Way
	Property Line
	Guard Rail
	Fence
	Signal Span Wire
	Sign Post & Panel
	Traffic Signal
	Fire Hydrant
	Utility Pole (electric)
	Utility Pole (Shared)
	Lighting Pole
	Lighting Mast Arm
	Signal Pole (Concrete)
	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

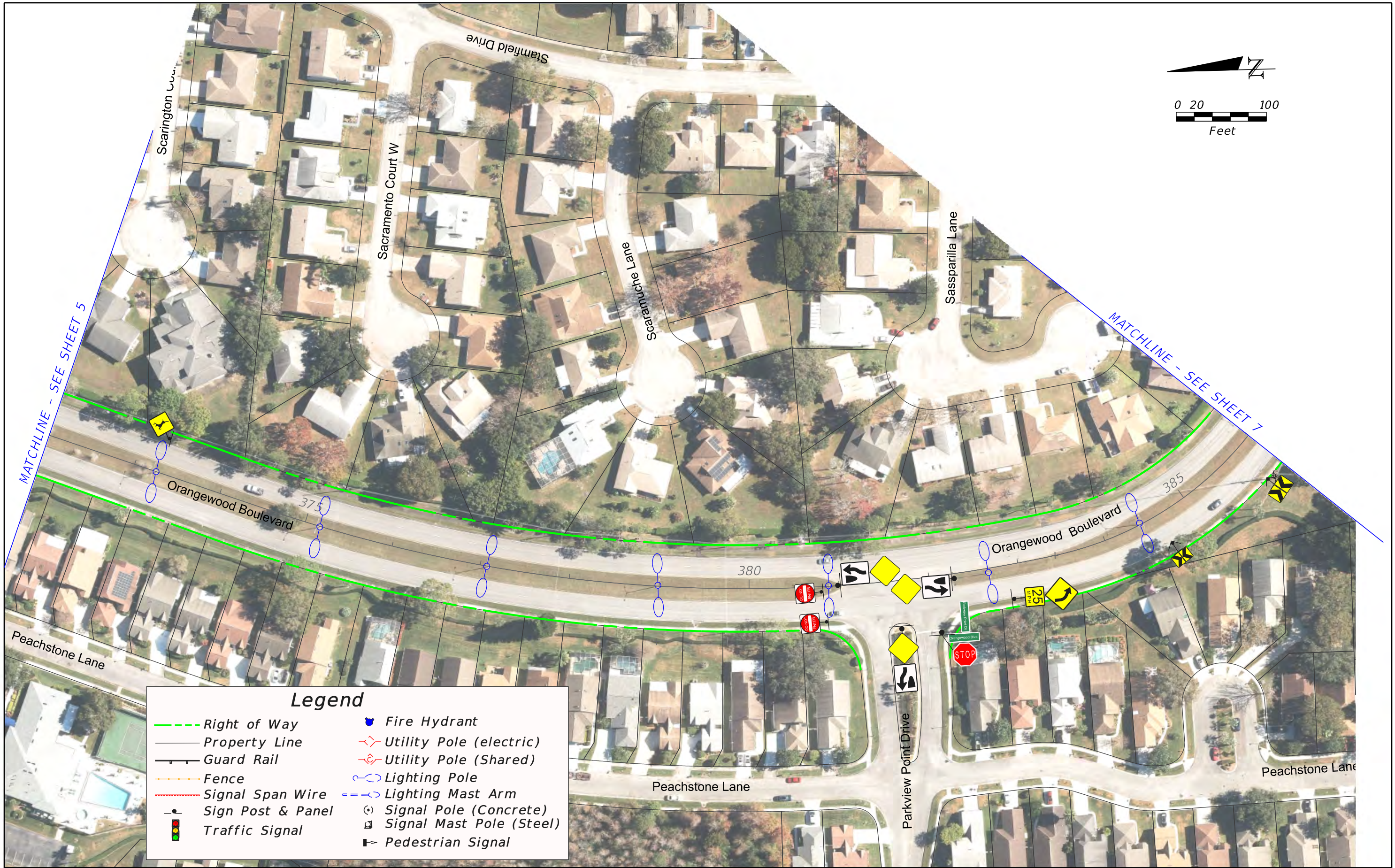
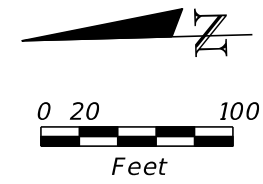
WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET NO.  
5





Legend	
	Right of Way
	Property Line
	Guard Rail
	Fence
	Signal Span Wire
	Sign Post & Panel
	Traffic Signal
	Fire Hydrant
	Utility Pole (electric)
	Utility Pole (Shared)
	Lighting Pole
	Lighting Mast Arm
	Signal Pole (Concrete)
	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET NO.  
6





**Legend**

Right of Way	Fire Hydrant
Property Line	Utility Pole (electric)
Guard Rail	Utility Pole (Shared)
Fence	Lighting Pole
Signal Span Wire	Lighting Mast Arm
Sign Post & Panel	Signal Pole (Concrete)
Traffic Signal	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET  
NO.  
7





Legend			
	Right of Way		Fire Hydrant
	Property Line		Utility Pole (electric)
	Guard Rail		Utility Pole (Shared)
	Fence		Lighting Pole
	Signal Span Wire		Lighting Mast Arm
	Sign Post & Panel		Signal Pole (Concrete)
	Traffic Signal		Signal Mast Pole (Steel)
			Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



ORANGEWOOD BLVD  
CONDITION DIAGRAM

SHEET NO.  
8





BEGIN - CENTRAL FLORIDA PARKWAY

MATCHLINE - SEE SHEET 2

Legend	
	Right of Way
	Property Line
	Guard Rail
	Fence
	Signal Span Wire
	Sign Post & Panel
	Traffic Signal
	Fire Hydrant
	Utility Pole (electric)
	Utility Pole (Shared)
	Lighting Pole
	Lighting Mast Arm
	Signal Pole (Concrete)
	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

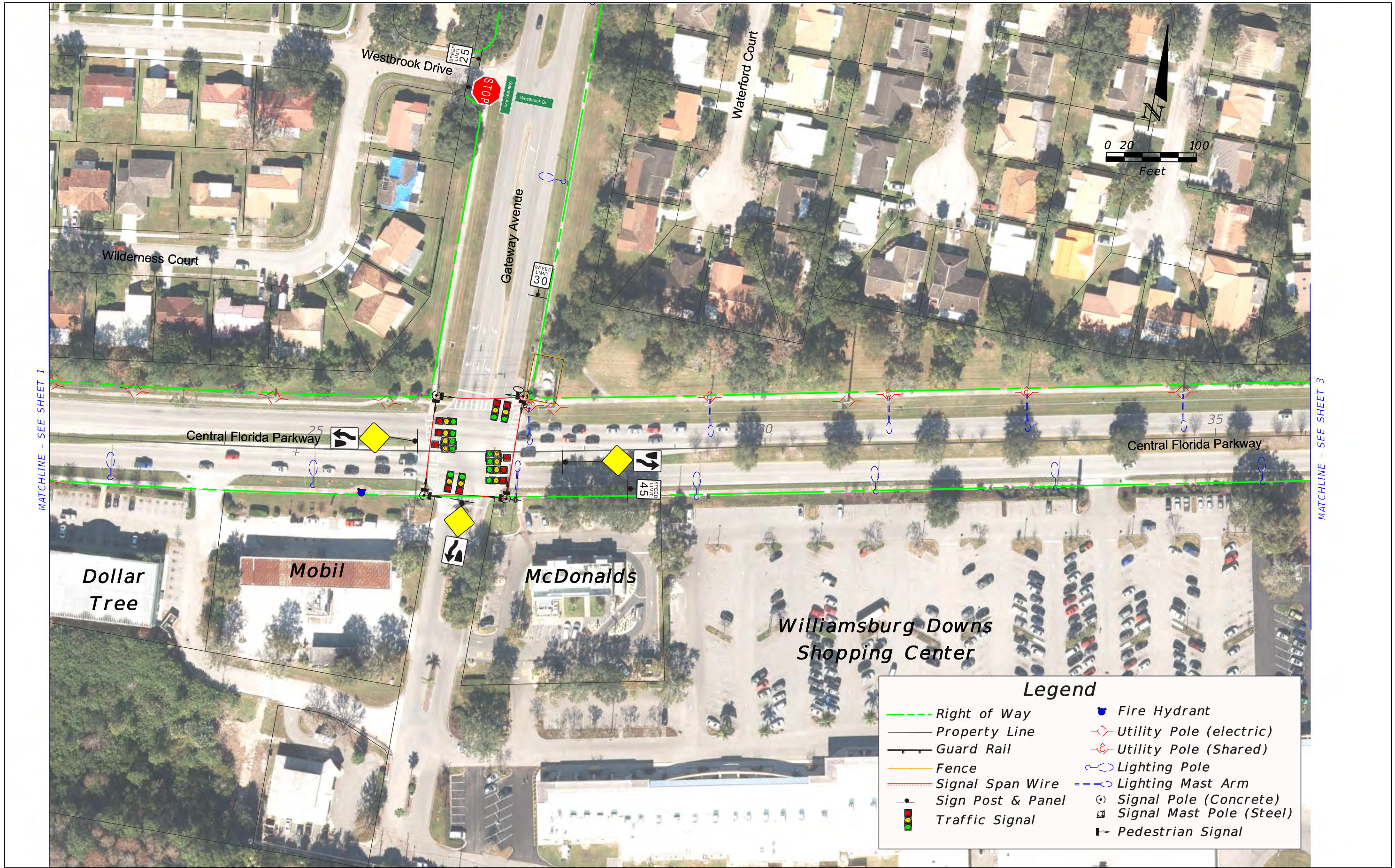
WILLIAMSBURG AREA  
TRANSPORTATION STUDY



CENTRAL FLORIDA PARKWAY  
CONDITION DIAGRAM

SHEET NO.  
1





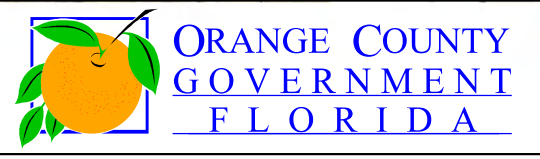
MATCHLINE - SEE SHEET 1

MATCHLINE - SEE SHEET 3

Legend	
	Right of Way
	Property Line
	Guard Rail
	Fence
	Signal Span Wire
	Sign Post & Panel
	Traffic Signal
	Fire Hydrant
	Utility Pole (electric)
	Utility Pole (Shared)
	Lighting Pole
	Lighting Mast Arm
	Signal Pole (Concrete)
	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



CENTRAL FLORIDA PARKWAY  
CONDITION DIAGRAM

SHEET NO.  
2





MATCHLINE - SEE SHEET 2

MATCHLINE - SEE SHEET 4

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



CENTRAL FLORIDA PARKWAY  
CONDITION DIAGRAM

SHEET  
NO.  
3





MATCHLINE - SEE SHEET 3

MATCHLINE - SEE SHEET 5

Legend	
	Right of Way
	Property Line
	Guard Rail
	Fence
	Signal Span Wire
	Sign Post & Panel
	Traffic Signal
	Fire Hydrant
	Utility Pole (electric)
	Utility Pole (Shared)
	Lighting Pole
	Lighting Mast Arm
	Signal Pole (Concrete)
	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

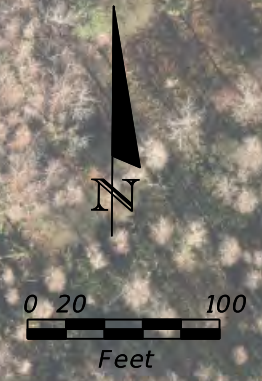
WILLIAMSBURG AREA  
TRANSPORTATION STUDY



CENTRAL FLORIDA PARKWAY  
CONDITION DIAGRAM

SHEET NO.  
4





MATCHLINE - SEE SHEET 4

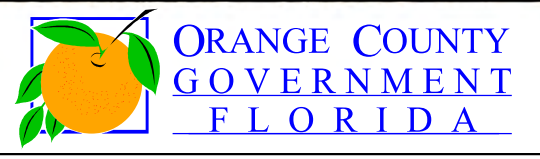
MATCHLINE - SEE SHEET 6



Legend	
	Right of Way
	Property Line
	Guard Rail
	Fence
	Signal Span Wire
	Sign Post & Panel
	Traffic Signal
	Fire Hydrant
	Utility Pole (electric)
	Utility Pole (Shared)
	Lighting Pole
	Lighting Mast Arm
	Signal Pole (Concrete)
	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



CENTRAL FLORIDA PARKWAY  
CONDITION DIAGRAM

SHEET NO.  
5





**Legend**

Right of Way	Fire Hydrant
Property Line	Utility Pole (electric)
Guard Rail	Utility Pole (Shared)
Fence	Lighting Pole
Signal Span Wire	Lighting Mast Arm
Sign Post & Panel	Signal Pole (Concrete)
Traffic Signal	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

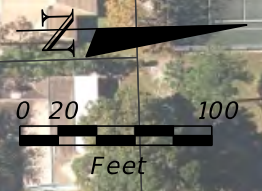
WILLIAMSBURG AREA  
TRANSPORTATION STUDY



CENTRAL FLORIDA PARKWAY  
CONDITION DIAGRAM

SHEET  
NO.  
6





BEGIN - GATEWAY AVENUE

MATCHLINE - SEE SHEET 2

Legend			
	Right of Way		Fire Hydrant
	Property Line		Utility Pole (electric)
	Guard Rail		Utility Pole (Shared)
	Fence		Lighting Pole
	Signal Span Wire		Lighting Mast Arm
	Sign Post & Panel		Signal Pole (Concrete)
	Traffic Signal		Signal Mast Pole (Steel)
			Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



GATEWAY AVENUE  
CONDITION DIAGRAM

SHEET NO.  
1





Legend			
	Right of Way		Fire Hydrant
	Property Line		Utility Pole (electric)
	Guard Rail		Utility Pole (Shared)
	Fence		Lighting Pole
	Signal Span Wire		Lighting Mast Arm
	Sign Post & Panel		Signal Pole (Concrete)
	Traffic Signal		Signal Mast Pole (Steel)
			Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



GATEWAY AVENUE  
CONDITION DIAGRAM

SHEET NO.  
2





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



GATEWAY AVENUE  
CONDITION DIAGRAM

SHEET NO.  
3





MATCHLINE - SEE SHEET 3

MATCHLINE - SEE SHEET 5

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Right of Way	Fire Hydrant
Property Line	Utility Pole (electric)
Guard Rail	Utility Pole (Shared)
Fence	Lighting Pole
Signal Span Wire	Lighting Mast Arm
Sign Post & Panel	Signal Pole (Concrete)
Traffic Signal	Signal Mast Pole (Steel)
	Pedestrian Signal

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



GATEWAY AVENUE  
CONDITION DIAGRAM

SHEET NO.  
4





MATCHLINE - SEE SHEET 4

MATCHLINE - SEE SHEET 6

**Legend**

- Right of Way
- Property Line
- Guard Rail
- Fence
- Signal Span Wire
- Sign Post & Panel
- Traffic Signal
- Fire Hydrant
- ⚡ Utility Pole (electric)
- ⚡ Utility Pole (Shared)
- ⚡ Lighting Pole
- ⚡ Lighting Mast Arm
- ⊙ Signal Pole (Concrete)
- ⊙ Signal Mast Pole (Steel)
- ⬇ Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



GATEWAY AVENUE  
CONDITION DIAGRAM

SHEET  
NO.  
5





**Legend**

Right of Way	Fire Hydrant
Property Line	Utility Pole (electric)
Guard Rail	Utility Pole (Shared)
Fence	Lighting Pole
Signal Span Wire	Lighting Mast Arm
Sign Post & Panel	Signal Pole (Concrete)
Traffic Signal	Signal Mast Pole (Steel)
	Pedestrian Signal

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

WILLIAMSBURG AREA  
TRANSPORTATION STUDY



GATEWAY AVENUE  
CONDITION DIAGRAM

SHEET  
NO.  
6



**Appendix I**  
**Crash Data Summary Sheets**

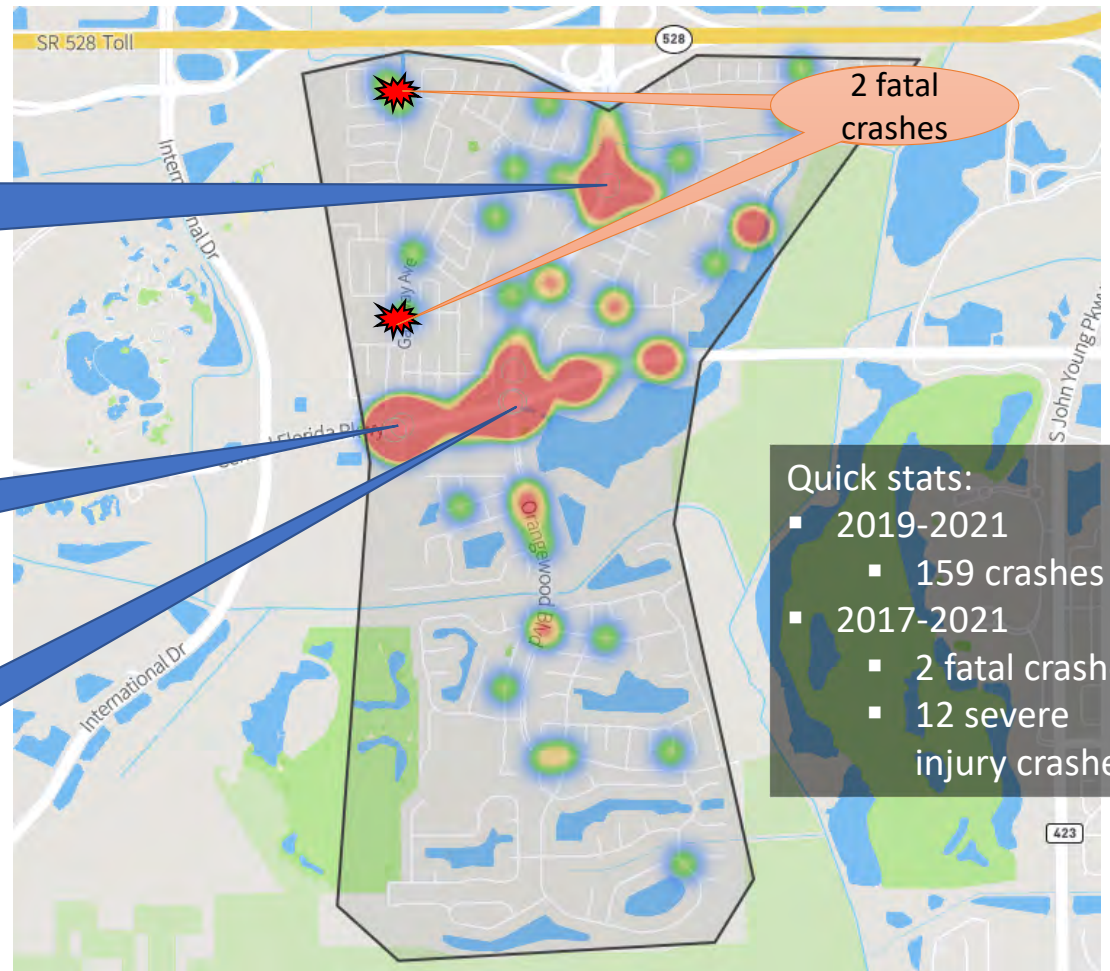


# CRASH HOT SPOTS

Orangewood Blvd and Gateway Ave:  
10 crashes, 90% angle, 100% failed to yield to right-of-way

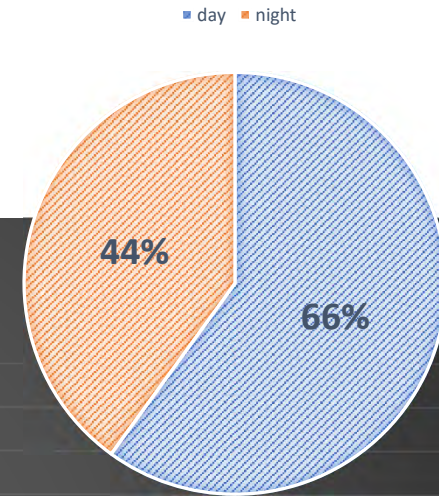
Central FL Parkway and Gateway Ave:  
32 crashes, 53% rear-end, 63% due to careless driving

Orangewood Blvd and Central FL Parkway:  
41 crashes, 51% rear-end, 56% careless driving

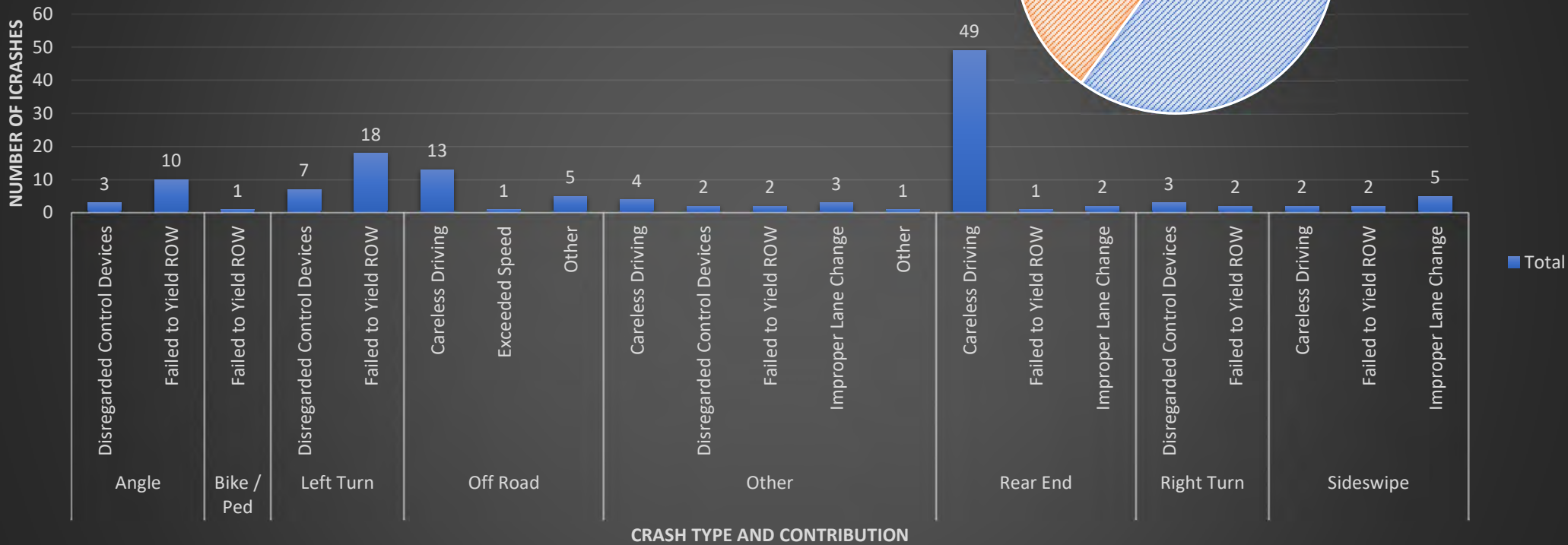


# What is Causing the Crashes?

## LIGHTING CONDITIONS

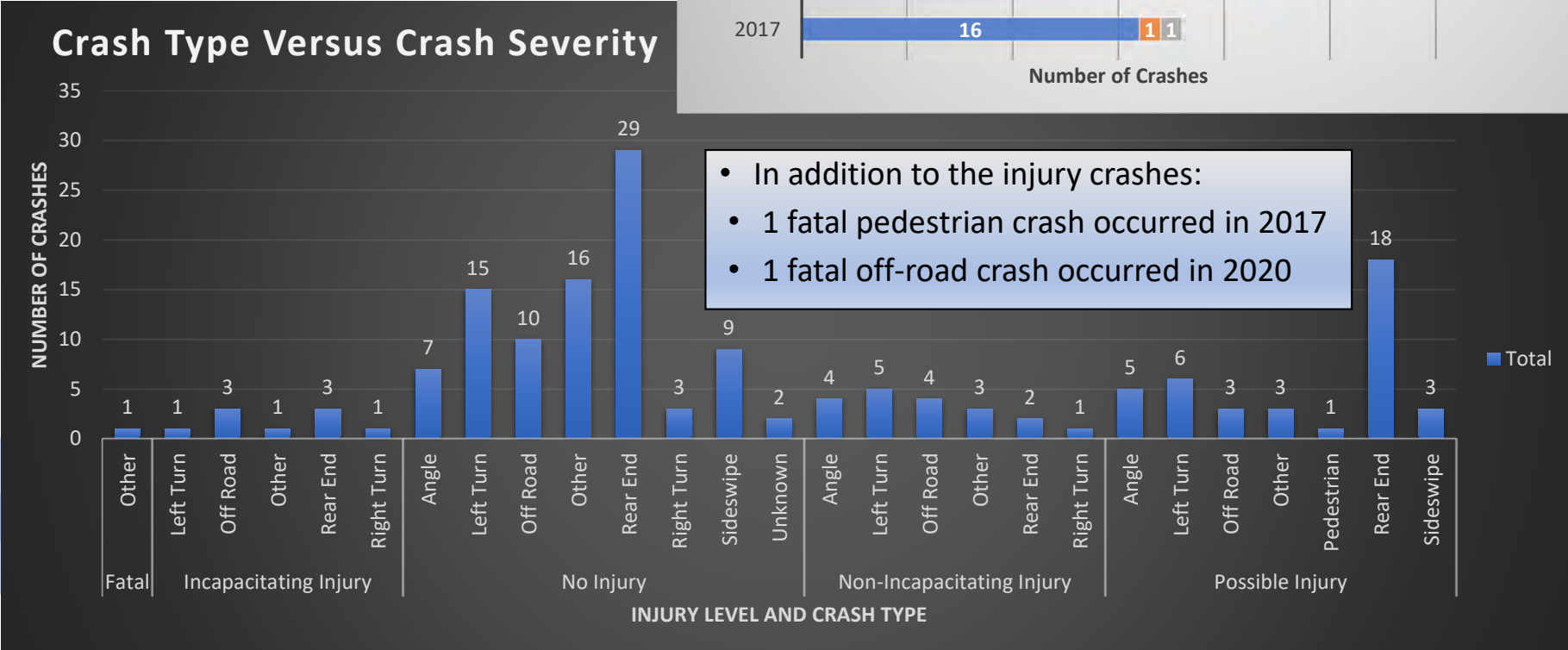
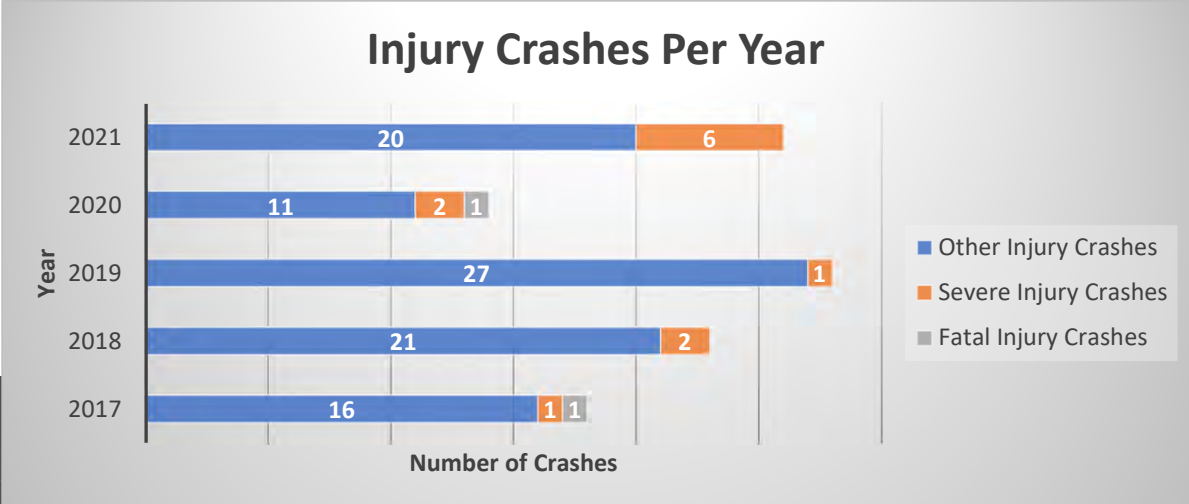


## Crash Types by Contributing Cause





Crashes Over Time and Crash Type Vs. Severity



**Appendix J**  
**Field Visit Summary Notes**



Williamsburg Area  
Field Visit Summary Notes

No.	Intersection		Vehicle Stop Bars		Pedestrian Crosswalks		Landing Pad				Pedestrian Corner Features								Sight Distance Concern	Notes
											Detectable Pads				> 4° Slope					
	Major Road	Minor Road	Major	Minor	Major	Minor	NE	NW	SE	SW	NE	NW	SE	SW	NE	NW	SE	SW		
1	Orangewood Blvd	Gateway Ave			NB stop bar 29-ft from crosswalk	-	Ok	Ok	Concrete needs repair	Ok	No	No	No	No	-	-	-	-	-	Signal design underway
2	Orangewood Blvd	Larissa St	Ok	Ok	-	Faded crosswalks	No	No	No	No	No	No	No	No	-	-	12	12	-	-
3	Orangewood Blvd	Central Florida Pkwy	Ok	Ok	Ok	Crosswalk on southside needs restriping	Ok	Ok	Ok	Ok	Ok	Ok	No	Ok	-	-	5.5	5.6	-	NB left observed 3x in 10 minutes to nearly cause accidents
4	Central Florida Pkwy	Gateway Ave	Ok	Ok	Ok	Ped pole inside sidewalk on SW corner	-	-	-	-	Ok	Ok	Ok	Ok	-	-	-	7	-	Sidewalk on NE corner runs directly into signal cabinet at 7° angle
5	Gateway Ave	Wildflower Rd	-	No WB stop bar	-	No crosswalk on eastside; terminate into major road	Ok	Ok	Ok	Ok	No	No	No	No	-	-	-	15	-	-
6	Gateway Ave	Delmonte Dr	-	No	-	No	Ok	Ok	-	-	No	No	-	-	-	-	-	-	-	NB approach view obstructed
7	Gateway Ave	Lazy Lake Dr	-	Ok	No crosswalk on south of major road	No crosswalk; terminate into major road	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Gateway Ave	Galliard Blvd	-	SB used to have stop bar	No crosswalk on south of major road	Used to have north crosswalk; terminate into major road	Ok	Ok	-	-	No	No	-	-	16	13	-	-	-	-
9	Gateway Ave	Larissa St	-	Ok	No crosswalk on south of major road	No crosswalk; terminate into major road	-	-	-	-	-	-	-	-	-	-	10	-	-	-
10	Gateway Ave	Marco Polo Dr	-	No	-	Faded & Beyond Crosswalk	No	No	-	-	No	No	-	-	-	-	-	-	-	View difficult from stop bar
11	Central Florida Pkwy	Leewind Wy	-	Ok	-	No	No	No	-	-	No	No	-	-	12	12	-	-	-	-
12	Central Florida Pkwy	Whitley Pl	-	No	-	No Cross Bars on South Side	-	-	Ok	Ok	No	No	No	No	-	-	-	-	-	Gated
13	Orangewood Blvd	Parkview Lake Dr	-	Ok	-	No Cross Bars on East Side	No	No	No	No	No	No	No	No	No	-	-	-	-	SB Traffic Why Flashing Light?
14	Orangewood Blvd	Silent Brook Dr	-	Ok	-	Ok	-	No	-	No	-	Ok	-	Ok	-	?	-	?	-	-
15	Orangewood Blvd	Parkview Point Dr	-	Ok	-	No	-	No	-	No	-	Ok	-	Ok	-	Ok	-	Ok	-	NB Traffic
16	Orangewood Blvd	Deer Creek Dr/Stamfield Dr	-	Ok	-	Ok	No	No	No	No	No	No	No	No	13	13	13	13	-	-

**Appendix K**  
Community Meeting No. 2  
Sing-in Sheets, Speaker Cards, Comment Sheets/emails



# Williamsburg Areawide Study

Open House  
Wednesday, August 17, 2022  
6:00 p.m.

Green Briar Village Clubhouse  
10151 Gifford Blvd  
Orlando, FL 32821



Name	Address	Phone	Email
Robert A Sisk	10400 Hidden Glen Ln	407-3510169	—
PAM Osborne	<del>18211 Deer</del> 5431 Deer Creek Dr	407-921-9622	dance@CFL.RR.COM
RICH/ROB WOROBL	5608 MINARET CT.	407-922-8758	R.WOROBLZ@MAIL.COM
Harold Oxa	10064 BILTON	407 352 9025	
BRIAN BLACKMORE	11364 SCENIC VIEW LN.	(407) 592-8255	BLACKMOREM50@YAHOO
Jaime Law	10335 Manika Bay Dr	321-527-6252	Jaime • Jaime..1060@Gmail
Yvonne Qualls	10755 Lazy Lake Dr	407 810 4860	SUN57K@gmail.com
SANDI DELOUGHERY	11828 SITTING BULL LN	407-928-8330	SANGRALEE@GMAIL.COM
Judy & Wes Thomas	10637 LAZY LAKE DR	407-376-4624	jthomas44@CFL.RR.COM
Dennis & Renee Misorek	5855 Plumtree Ct.	407-778-4229	dmisorek@gmail.com
Laura Beers	5333 Desmond Ln		laurambeers@yahoo.com
RON Habin	10419 Manassas Cir	407-352-8292	



# Williamsburg Areawide Study

Open House  
Wednesday, August 17, 2022  
6:00 p.m.

Green Briar Village Clubhouse  
10151 Gifford Blvd  
Orlando, FL 32821



Name	Address	Phone	Email
------	---------	-------	-------

Linda Dorage	10020 Grendon Ln	407 701-0559	
Margaret Louici	10153 Bazed tree Ct	407 5802599	
ROD THROWSKI	5029 LINDSAY CT	(407) 248-8691	
Rand Paer		407 873 4691	
John Had	5413 Deerfoot Ct	407-239-5490	
HOEFT	12016 DUNLIN CT	941-416-6106	
Gwendolyn Glaser	5225 Tavelst	407 7822054	
DALE WEBER	4808 LORETTA LN	913-777-1888	
Roberta #Claude Chomer	10305 LAZY LAKE D	570-772-5512	
ALAN TRAYNOR	4704 GRENVILLE LN	407 267-7293	
Miriam Nieves	5256 Waterista Dr.	407.264.2939	
↪ Milly5256@gmail.com			



@OrangeCoFL



Orange County,  
Florida Government

Gwendolyn Glaser

gwendolynglaser@gmail.com



# Williamsburg Areawide Study

Open House  
Wednesday, August 17, 2022  
6:00 p.m.

Green Briar Village Clubhouse  
10151 Gifford Blvd  
Orlando, FL 32821



Name	Address	Phone	Email
DAN + EILEEN MATHER	61714 SANDY HILL DR	407 238 0201	
Jay + Cynthia Myers	10022 Greendale Ln	407-489-7780	cynmyers@yorkco.com
Wendy Lewis	11826 Sailboat La	407-421-8978	
Troy Anderson	5332 DORRINGTON LN	724-413-1360	
Stefaney Giordano	10313 Marco Polo Dr.	360.620.2964	
Mae + K. McGowan	5665 PKW LK DR		
Rocio Cabezas Torres	5512 W. Sacramento Ct	407 450 9319	cogvio71@hotmail.com
Leslie Curtis	10400 Kingbrook LN	407 489 5662	
Rosa Quiñones	10821 Westbrook Dr.	407-226-9989	romyqsB@gmail.com
DOROTHY Mattia-Wade	4704 Glenview Lane	908-764-6919	
LOIS + DEN TAFAS	5419 STRATFIELD DR	UNLISTED	



@OrangeCoFL



Orange County, Florida Government

# Williamsburg Areawide Study

Open House  
Wednesday, August 17, 2022  
6:00 p.m.

Green Briar Village Clubhouse  
10151 Gifford Blvd  
Orlando, FL 32821



Name	Address	Phone	Email
Debra Norton	5032 Lady Bug Pl	4072182727	chefintraining1955@gmail.com
James Yachtler	11332 Pink Blossom Ct	407 399 2091	jpyachtler@outlook.com
Peter Yachtler	"	"	"
Cindy Powell	10148 Allenby Ct ORL		CynPow@msn.com
IRA FLECKMAN	10604 WHITMAN CIRCLE	407-352-9314	irafleckman9@gmail.com
Richard Myrnat Harless	5029 Watermark Pl		
Roy Miller		321-689-2152	FEDACSTRATE@CFL.PR.COM
PETE PUEBY	PARKVIEW	610-844-6283	
Jennifer Miller	10301 Gifford Blvd	407-756-2960	
Judae Coyle	5303 Seaton Hall Lane	407-239-7289	
Liz Norfolk	11420 S.W. Woodley	407-492-9114	



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Orange County, Florida Government



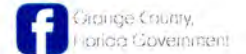
# Williamsburg Areawide Study

Open House  
Wednesday, August 17, 2022  
6:00 p.m.

Green Briar Village Clubhouse  
10151 Gifford Blvd  
Orlando, FL 32821



Name	Address	Phone	Email
Ron Christian	10871 Wm. & Mary CT	407 4055591	
Joel Acson	10406 Montpelier Cr.	407-435-7478	
Drew Dietz	1002 E Marks St.	850-544-9708	
Marcia Joppens	4839 Gifford BLVD	321-310-6876	
Alma Clark	10768 Westbrook Dr.	407-345-8216	
HAROLD TREUBIG	10861 WILLIAM TELL DR.	407-351-6890	
Norrine Grofsn	11660 Peach Grove Ln	407-239-9488	
Joe Gullish	" " " "	407-301-2231	
Theda G. Levinn	5529 Sandy Hill Dr. - avalonthede@aol.com	407-239-0450	
ROBERT LEVINN	" " "	407-239-0450	
Nicola Johnson	11345 Pink Blossom CT	203-858-5742	nsegens@gmail.com
Debra Fox	10531 Linger Lane	407.399.9711	@Orangetx11



Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
**Williamsburg Areawide Study**  
**Orange County, Florida**

Please Print:  
 Name: GRELISH JOE P  
Last First Middle Initial

Address: 11660 PEACH GROVE LN  
Street  
ORLANDO FL 32821  
City State Zip Code

Telephone: 407-301-2231  
Area Code

Representing: Self  Firm   
 Government Agency   
 Civic Organization   
 Homeowners Association WHOA  
 Other PARKVIEW POINT

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
**Williamsburg Areawide Study**  
**Orange County, Florida**

Please Print:  
 Name: Giordano Stefany E  
Last First Middle Initial

Address: 10313 Marco Polo Dr.  
Street  
Orlando, FL 32821  
City State Zip Code

Telephone: ( )   
Area Code

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

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
**Williamsburg Areawide Study**  
**Orange County, Florida**

Please Print:  
 Name: Habin Ron I  
Last First Middle Initial

Address: 10419 Manassas Circle  
Street  
ORL 32821  
City State Zip Code

Telephone: 407-352-5792  
Area Code

Representing: Self  Firm   
 Government Agency   
 Civic Organization   
 Homeowners Association   
 Other

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
**Williamsburg Areawide Study**  
**Orange County, Florida**

Please Print:  
 Name: Mohring Kerry  
Last First Middle Initial

Address: 11213 Purple Plum Ct  
Street  
32821  
City State Zip Code

Telephone: (407) 242-5342  
Area Code

Representing: Self  Firm   
 Government Agency   
 Civic Organization   
 Homeowners Association   
 Other

5273-03-20220708

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
**Williamsburg Areawide Study**  
**Orange County, Florida**

Please Print:  
 Name: Leo Jaime A  
Last First Middle Initial

Address: 10335 Manik Bay Dr.  
Street  
Orlando, FL 32821  
City State Zip Code

Telephone: (321) 527-6252  
Area Code

Representing: Self  Firm James Leo  
 Government Agency   
 Civic Organization   
 Homeowners Association   
 Other



Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: Goldman-Lewinn Theda  
Last First Middle Initial

Address: 5529 SANDY HILL DR.  
Street  
ORL FL 32821  
City State Zip Code

Telephone: (407) 239-0450 avalonthe@aol.com  
Area Code

Representing: Self  Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other Very long time resident & board member

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: Fink Dawn  
Last First Middle Initial

Address: 10529 Larissa  
Street  
Orl 32821  
City State Zip Code

Telephone: ( ) \_\_\_\_\_  
Area Code

Representing: Self  Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other \_\_\_\_\_

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: EXPER HARVEY  
Last First Middle Initial

Address: 1604 EATON LN  
Street  
ORLANDO FL 32821  
City State Zip Code

Telephone: (407) 352-9025  
Area Code

Representing: Self  Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other \_\_\_\_\_

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: Robert Kowal  
Last First Middle Initial

Address: 3512 W. Sacramento  
Street  
City State Zip Code

Telephone: 407 450 9319  
Area Code

Representing: Self \_\_\_\_\_ Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other \_\_\_\_\_

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: BLACKMORE BRIAN A.  
Last First Middle Initial

Address: 11304 SCENIC VIEW LN.  
Street  
ORLANDO FL 32821  
City State Zip Code

Telephone: (407) 592-8255  
Area Code

Representing: Self  Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other \_\_\_\_\_

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: Mattia-Wade DOROTHY  
Last First Middle Initial

Address: 4704 Glenview Lane  
Street  
Orlando FL 32821  
City State Zip Code

Telephone: (908) 764-6919  
Area Code

Representing: Self  Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other \_\_\_\_\_

5273-03-20220708

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: RICHARD POKRID  
Last First Middle Initial

Address: 10517 Man...  
 Man... Pol dr  
Street  
City State Zip Code

Telephone: 407 8734691 32821  
Area Code

Representing: Self \_\_\_\_\_ Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other \_\_\_\_\_

Date: 8/17/22 **Speaker Request Card** Number

To be completed prior to making a recorded statement

**OPEN HOUSE**  
**Wednesday, August 17, 2022**  
 Williamsburg Areawide Study  
 Orange County, Florida

Please Print:  
 Name: CRUM JOSEPH M  
Last First Middle Initial

Address: 5531 DELANO LANE  
Street  
ORLANDO FL 32821  
City State Zip Code

Telephone: (407) 208-2036  
Area Code

Representing: Self  Firm \_\_\_\_\_  
 Government Agency \_\_\_\_\_  
 Civic Organization \_\_\_\_\_  
 Homeowners Association \_\_\_\_\_  
 Other \_\_\_\_\_

5273-03-20220708



# Williamsburg Areawide Study

Thank you for attending the open house. Please provide any comments or questions that you have about the study in the space below. This comment form may be placed in the comment form box at the sign-in table or may be mailed or e-mailed to the Orange County Project Manager (contact information at right).

### Meeting Location

Green Briar Village Clubhouse  
10151 Gifford Blvd  
Orlando, FL 32821

### Meeting Date and Time

Wednesday, August 17, 2022  
6:00 p.m.

### Scott Nager, E.I.

Project Manager,  
Transportation Planning Division  
(407) 836-8074

[Scott.Nager@ocfl.net](mailto:Scott.Nager@ocfl.net)

4200 S. John Young Parkway  
Orlando, FL 32839



Note: All written comments submitted to Orange County, FL will become part of the public record for this project in accordance with Florida's broad public record laws (Chapter 119, F.S. and Chapter, 286 F.S.) and may be released to anyone, including news media, upon request.

### Comments

PLEASE CALL ME  
I CAN HELP.

Name: JOE GRELISH  
Address: 11660 BEACH GROVE LN  
ORLANDO, FL 32822  
Email: JGRELISH@ICLOUD.COM  
Phone: 407-301-2231  
City/State/Zip:



## Williamsburg Areawide Study

Thank you for attending the open house. Please provide any comments or questions that you have about the study in the space below. This comment form may be placed in the comment form box at the sign-in table or may be mailed or e-mailed to the Orange County Project Manager (contact information at right).

Meeting Location  
Green Briar Village Clubhouse  
10151 Gifford Blvd  
Orlando, FL 32821

Meeting Date and Time  
Wednesday, August 17, 2022  
6:00 p.m.

**Scott Nager, E.I.**

Project Manager,  
Transportation Planning Division  
(407) 836-8074

**Scott.Nager@ocfl.net**

4200 S. John Young Parkway  
Orlando, FL 32839



Note: All written comments submitted to Orange County, FL will become part of the public record for this project in accordance with Florida's broad public record laws (Chapter 119, FS, and Chapter 266 FS) and may be released to anyone, including news media, upon request.

Comments the 8/17/22 meeting at Williamsburg was very informative. Neighbors need more real explaining on why the traffic light has not happened. This gives the impression that we are not important. My concern is that when Universal's Epic Park opens - this will generate more traffic from Universal Blvd (south) and Commodity Circle towards the 528 or Orangewood Blvd, heading also towards the Central Fl. Parkway. The flow will create a funnel as they pass under the 528 towards Orangewood Blvd. The traffic will be more than it is now causing accidents and God knows what else. The Orangewood Blvd needs to be expanded with probably an extra lane to prevent the bottle neck stop. Please evaluate this for next meeting.

Name: Rosa Quiñones  
Address: 10821 Westbrook Dr.

Email: wmyqsb@gmail.com  
Phone: 321-217-7233 (leave message)  
City/State/Zip: Orlando FL 32821-8624

**Appendix L**  
Community Meeting No. 3  
Sing-in Sheets, Speaker Cards, Comment Sheets/emails



# Williamsburg Areawide Study

Recommendations Meeting  
Wednesday, May 31, 2023  
5:30 p.m.

Freedom High School  
2500 W Taft Vineland Road  
Orlando, FL 32837



Name	Address	Phone	Email
L PRA C. PRA	5632 PARKVIEW LAKE DRIVE O FLA 32821		ORANGETREE2 @ CENTURYLINK.NET
BRIAN SANDERS	OC TRANS PLANNING		
Barbara O'Halloran	5051 Gardengate Ln		
JB Bello	5314 Dorrington Ln		sorethumb@hotmail
Paul + Elsa Beckert	5485 DEER CREEK DR. ORL.		
Annette Bain	4736 Glenview Lane		freebain@gmail.com
Tim & ANN POKELSEK	5205 WILDFLOWER RD ORL		TPOKELSK@A100.COM
Yvonne Heep	5916 Petunia Lane Orl		
Rita Harris	13547 Eya Rd		Rita.Harris@myfordahouse.gov
Kenneth Benson	10433 Hidden Lane		kennethbenson1@attinet
John + <del>DA</del> REARDON	10516 LAZY LAKE		



@OrangeCoFL



Orange County,  
Florida Government

# Williamsburg Areawide Study

Recommendations Meeting  
 Wednesday, May 31, 2023  
 5:30 p.m.

Freedom High School  
 2500 W Taft Vineland Road  
 Orlando, FL 32837



Name	Address	Phone	Email
Gary Ullmann	32821 5928 Petunia Lane	913-903-7284	GaryUllmann123 @HotMail.com
Debbi Mullen	11623 Peachstone Ln 32821		
Colleen Corey	Somerset Village		
JILL MUNZIAL	Somerset		
Dan Osnowitz	Somerset		
Michele Reynolds	Somerset		
Francis Beghi	5122 Twie St	407 592 2099	Francis.Begh1@ Comcast.com
Donna Mahoney	5315 Slaton Hall Lane	3212461735	
JP Daddles	11332 Pink Blossom Ct	4073992091	∞
Daniel Green	11509 Santa Anita Dr	4076822801	—
TARIA LATIF	11335 SCENIC VIEW LANE	443 846 7724	T.LATIF@METLABS.COM



@OrangeCoFL



Orange County,  
 Florida Government



# Williamsburg Areawide Study

Recommendations Meeting  
 Wednesday, May 31, 2023  
 5:30 p.m.

Freedom High School  
 2500 W Taft Vineland Road  
 Orlando, FL 32837



Name	Address	Phone	Email
Alexander Chiro	5323 Seafield Dr.	321 331 0301	Alex.Chiro@gmail.com
SANDI DELOUGHERY	11828 SITTING BULL LN	407-928-8330	SANGRALEE@GMAIL.COM
JOAN SELLAZZO	5706 PARKVIEW LAREDR	917-991-7082	jbsinfiniti@gmail.com
Laura Vrchota	5421 Donnelly Circle	954-648-5055	vrchota7@yahoo.com
Linda Dorage	10020 Grendon Ln.	407 701-0559	linda8892@aol.com
Stephan Schmid	11261 Scenic View Drive	407 376 4733	S.2fast4u@yahoo.com
Clara Adams			
Brenda & George Reynolds	5831 Parkview Point Dr.	443-350-2968	missymagy@hotmail.com
Jim + Rod Jarnowski	5029 Lindsay Ct	407 569 6278	jantarnowski@att.net
Lee Thiele	4740 Grenville Lane	407-616-1129	leethiele57@gmail.com
Drew Dietzen	2008 Corena Dr.	850-544-9708	andrew.dietzen@afl.net
JOE ALBERT	10406 Montpelier Ct	407-435-7478	



@OrangeCoFL



Orange County,  
 Florida Government

# Williamsburg Areawide Study

Recommendations Meeting  
 Wednesday, May 31, 2023  
 5:30 p.m.

Freedom High School  
 2500 W Taft Vineland Road  
 Orlando, FL 32837



Name	Address	Phone	Email
SCOTT ABNEY	10407 KINGSBROOK LN <sup>ORLANDO,</sup> FL 32821	407-832-3623	SCOTT.ABNEY@YAHOO.COM
Kathy Newell	6019 Parkview Point Cir 32821	407-963-3846	
D & K McMoran	565 Parkview Lake Dr 32821		
RON HAGIN	10419 MANASSAS CIR		
ANTOINETTE PISCONE	10906 WATERBURY CT 32821		
S. Spangberg	10743 William Tell 32821		
Holly Sikes	1101 Norm Ct 32821		
Kathryn Remberta	5012 Jamison Ct 32821		
PAM Osgborne	5431 Deer Creek 32821	407-921-9622	dance@exh.com
CAROLINA STEFCHAK	5437 DEER CREEK 32821		
Lowella Albert-Lios	5503 W. Scarrington Ct 32821		GWAVIAN@GMAIL.COM



@OrangeCoFL



Orange County,  
 Florida Government





# Williamsburg Areawide Study

Recommendations Meeting  
Wednesday, May 31, 2023  
5:30 p.m.

Freedom High School  
2500 W Taft Vineland Road  
Orlando, FL 32837



Name	Address	Phone	Email
Corrin Beckert	5485 Delano Lane	407-405-2497	corrinbeckert@gmail.com
Cynthia Beckert	" 32821	310-403-5371	beckertcynthia@gmail.com
Angie Acosta		(305) 206-1181	angiefus@aol.com
David Abao	5542 Westbrook	407 353 5420	dabao@hotmail.com
Chelsea Gordin	5340 Seaton Hall Ln	269-325-8345	Chelsea.g@me.com
Robert Hazon	5340 Seaton Hall	954 445 6307	RHazon@Gmail.com
Paul Bearls	5572 Donnelly cir		pbear@Gmail.com



@OrangeCoFL



Orange County,  
Florida Government



# Williamsburg Areawide Study

Recommendations Meeting  
Wednesday, May 31, 2023  
5:30 p.m.

Freedom High School  
2500 W Taft Vineland Road  
Orlando, FL 32837



Name	Address	Phone	Email
Kay Meyer	11426 Splitwood Ln	321-329-3657	Kaymeyer27@yahoo.com
MASOOD MIRZA	DC PW		
Daphne M. Lenti	11525 Saddlebow Ln Orlando 32821	407 353 7850	lenti.daphne@gmail.com
ADRIAN LENTI	11525 SADDLEBOW LN ORLANDO 32821	321-228-8263	LENTI-ADRIAN@GMAIL.COM
ZIRN HELG	10021 GALTION LN	407 509-7620	DEUTSCHLAND 591 @GMAIL.COM
JAN PYKA	5339 DESMUND LN		
Leonardo macin			lemazio@katus.com
Colleen Radloff			CRADLOFF06@Hotmail.com
THERESA HEERMAN	5524 W SACRAMENTO CT		NICKPANA125@gmail
CAROL CIMINO	5604 Parkview Cir dr		CCIMINO@CFL.PR.com



@OrangeCoFL



Orange County,  
Florida Government

# Williamsburg Areawide Study

Recommendations Meeting  
 Wednesday, May 31, 2023  
 5:30 p.m.

Freedom High School  
 2500 W Taft Vineland Road  
 Orlando, FL 32837



Name	Address	Phone	Email
Deborah Mallery	5544 Wildflower Rd Orlando FL 32821	407 492-8425	dribbledeb@aol.com
Don Salazar	11535 Pumpkin Seed Ct Orlando FL 32821	321-438 2500	RonSalazar64@gmail.com
Anne Migliorzi	4715 Glenview Ln Orlando	407-902- 5917	Anneoakie@gmail.com,
Renee Misorek	5855 Plumtree Ct. Orlando, FL 32821	407-778- 4229	dmisorek@gmail.com
Megan Hockett	5984 Portview Pt. Dr. Orlando, FL 32821		solarchic@aol.com
Sahar Alseidi	4807 Fiske Cir	(407) 412-8872	sa@trafficmobility.com
Kenny Hill	10634 Windsor Ct	321-299-3452	Kenny Hill 451361.yahoo
EITHNE CLARKE	5409 SHINGLE CREEK DR ORLANDO, FL 32821	407-417-0557	eithne_clarke@hotmail.com
Don Schwarz	11641 Peachstone Ln Orlando 32821		dp22 PIPS @ MSN.com
Humberto Castillejo			humberto.Castillejo@outlook
Azza Alisawi			azza.isawi85@gmail



@OrangeCoFL



Orange County,  
 Florida Government



# Williamsburg Areawide Study

Recommendations Meeting  
Wednesday, May 31, 2023  
5:30 p.m.

Freedom High School  
2500 W Taft Vineland Road  
Orlando, FL 32837



Name	Address	Phone	Email
B. + B RANDOLPH	_____	_____	mamaerta718@gmail.
W. Lewis			wslewis60@comcast.net
Liz Northrup	Williamsburg - Somerset		liz738@comcast.net
Joe Grelish	" PARKVIEW		JGRELISH@ICLOUD.COM
Warren Murphy	" Parkview		ws.murphy11@gmail.
Ursula & Pat Annunziata	Deer Creek		upcoco@yahoo
Alma Clark	Williamsburg - Wingate		als10767@aol.com
Laura Beers	Deer Creek Village		skyeeyes99@yahoo.com
BLANCHE HARDY	ORANGE COUNTY		blanche.hardy@ocfl.net
IAN PHARES	"		
IRA FLECKMAN	10604 Whitman Circle Wingate Williamsburg		irafleckman@gmail.com



@OrangeCoFL



Orange County,  
Florida Government

# Williamsburg Areawide Study

Recommendations Meeting  
 Wednesday, May 31, 2023  
 5:30 p.m.

Freedom High School  
 2500 W Taft Vineland Road  
 Orlando, FL 32837



Name	Address	Phone	Email
Tony Sisk	10400 Hidden Ln Orlando	407-351-0165	—
Harold Treubig	10861 William Tell Dr.	407-357-6370	—
Dorothy Nunziante	5505 Norman H. Cutson Dr. 32821		<del>deltadot</del> comcast.net
Michelle Cragan			michelle.ocfl@gmail.com
Heather Brounle	10653 William Tell Dr 32821	407-363-6937	heatherhj@yahoo.com <del>heather.brounle</del>
Mona Manoes	10714 William Tell Dr <sup>32821</sup>	407-493-6613	mmanoes@hotmail.com
Rosa Quinones	10821 Westbrook Dr 32821	321-217-7233	wmyqs6@gmail.com
Gwendolyn Glaser	5225 Tavel Street		gwendolynglaser@gmail.com
Orlando & Melissa Rosado	5420 E Scarington Court	407-928-6712	rlandoxr@aol.com
Joanne Gizzi	5009 Watervista Drive	407-351-2511	joagiz@yahoo.com
Kerry Mohring	11213 Purple Plum Dr	407-242-5342	Rick Oldmoring.me
Rick Mohring	"		



@OrangeCoFL



Orange County,  
 Florida Government



Date: 5/31/2023

# Speaker Request Card

Number

2

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name:

Dorage Linda

Last

First

Middle Initial

Address:

10020 Grendon Ln.

Street

City

State

Zip Code

Orlando FL 32821

Telephone:

(407) 701-0559

Area Code

Representing: Self



Firm

Government Agency

Civic Organization

Homeowners Association

Other

Central Florida Py @ Taft Vineland

high # of right angle crasles

recently



Date: 5/31/2023

# Speaker Request Card

Number

1

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name:

GRELISH Joe P

Last

First

Middle Initial

Address:

11660 PEACH GROVE LN

Street

City

State

Zip Code

Telephone:

(407) 301 2231

Area Code

Representing: Self

Firm

Government Agency

Civic Organization

Homeowners Association

Other

33 Central Florida Pk @

Gateway & Orangewood

LT Lane queue needs to be  
extended.



Date: 5/31/2023

# Speaker Request Card

Number

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023  
Williamsburg Areawide Study  
Orange County, Florida

Please Print:

Name:

ROSADO Orlando



Last

First

Middle Initial

Address:

5420 E Seawington Ct

Street

Orlando FL 32821

City

State

Zip Code

Telephone:

(407) 335-8430

Area Code

Representing: Self



Firm

Government Agency

Civic Organization

Homeowners Association

Other

EB Central Florida Py  
@ Orange wood

- LT lane queue length
- tree branches blocking both the signal, signs & knick cars.



Date: 5/31/2023

# Speaker Request Card

Number



*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name:

Beckert Corrin

Last

First

Middle Initial

Address:

5785 Delano Ln

Street

Orlando FL

32821

City

State

Zip Code

Telephone:

(407) 405-2497

Area Code

Representing:

Self

Firm

Government Agency

Civic Organization

Homeowners Association

Other

Orangewood & Central Florida Pk  
needs right turn lanes on all  
legs.



Date: 5/31/2023

# Speaker Request Card

Number

6

To be completed prior to making a recorded statement

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name: Benson Kenneth C.  
Last First Middle Initial

Address: 10433 Hidden Lane  
Street  
Orlando FL 32821  
City State Zip Code

Telephone: ( )  
Area Code

Representing: Self  Firm \_\_\_\_\_  
Government Agency \_\_\_\_\_  
Civic Organization  Williamsburg Homeowners Assn.  
Homeowners Association \_\_\_\_\_  
Other \_\_\_\_\_

# HOA President

- Looking for someone at County to discuss some landscaping that is a hindrance.



Date: 5/31/2023

# Speaker Request Card

Number

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name: DELOUGHERY SANDI  
Last First Middle Initial

Address: 11828 SITTING BULL LN  
Street  
32821  
City State Zip Code

Telephone: (407) 928 8330  
Area Code

Representing: Self \_\_\_\_\_ Firm SEE BACK  
Government Agency \_\_\_\_\_  
Civic Organization \_\_\_\_\_  
Homeowners Association \_\_\_\_\_  
Other \_\_\_\_\_

EXTEND SPEED CUSHION'S PAST  
STAMFIELD TO SANDY HILL  
PLEASE!

ALSO - INFO RELATED TO POTENTIAL  
DARRYL CARTER CONNECTION TO JOHN  
YOUNG



Date: 5/31/2023

# Speaker Request Card

Number

7

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

**Wednesday, May 31, 2023**  
**Williamsburg Areawide Study**  
**Orange County, Florida**

Please Print:

Name:

Quinones Rosa I

Last

First

Middle Initial

Address:

10821 Westbrook Dr

Street

Orlando FL 32821

City

State

Zip Code

Telephone:

(321) 217-7233

Area Code

Representing: Self

Firm

Government Agency

Civic Organization

Homeowners Association

Other

Westbrook's, Wagner, after Ian  
the sidewalk was repaired but it  
caused a tree to fall. It left  
a hole near the road.

The family that the tree fell on top of  
is very challenged to find housing.



Date: 5/31/2023

# Speaker Request Card

Number

5

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name:

ABNEY

J

SCOTT

Last

First

Middle Initial

Address:

10407 KINGBROOK LN

Street

ORLANDO, FL 32821

City

State

Zip Code

Telephone:

(407) 832-3623

Area Code

Representing: Self

Firm

Government Agency

Civic Organization

Homeowners Association

Other

MY NEIGHBORS

Orangewood between Central Florida &  
Gateway has a drag racing problems  
& noise problem



Date: 5/31/2023

# Speaker Request Card

Number

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name:

marin leonardo

Last

First

Middle Initial

Address:

10015 Galton Ln

Street

Orlando FL 32821

City

State

Zip Code

Telephone:

(321) 347-4213

Area Code

Representing: Self

Firm

Government Agency

Civic Organization

Homeowners Association

Other

Date: 5/31/2023

# Speaker Request Card

Number

3

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

**Wednesday, May 31, 2023**  
**Williamsburg Areawide Study**  
**Orange County, Florida**

Please Print:

Name:

FLECKMAN IRA

Last

First

Middle Initial

Address:

10609 Whitman Circle

Street

ORLANDO FL

32821-8619

City

State

Zip Code

Telephone:

(407) 352 9314

Area Code

Representing: Self

Firm

Government Agency

Civic Organization

Homeowners Association

Other



Date: 5/31/2023

# Speaker Request Card

Number

4

*To be completed prior to making a recorded statement*

## RECOMMENDATIONS MEETING

Wednesday, May 31, 2023

Williamsburg Areawide Study

Orange County, Florida

Please Print:

Name:

Salazar Ron Salazar

Last

First

Middle Initial

Address:

11535 Pumpkin Seed CRT

Street

Orl

Fl.

32821

City

State

Zip Code

Telephone:

(407) 321-438-2500

Area Code

Representing: Self \_\_\_\_\_ Firm \_\_\_\_\_

Government Agency \_\_\_\_\_

Civic Organization \_\_\_\_\_

Homeowners Association \_\_\_\_\_

Other Personal

# Williamsburg Areawide Study

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## Meeting Location

Freedom High School  
2500 W Taft Vineland Road  
Orlando, FL 32837

## Meeting Date and Time

Wednesday, May 31, 2023  
5:30 p.m.

**Krista Taraszewski**

Project Manager,  
Transportation Planning Division  
407-836-8014

**Krista.Taraszewski@ocfl.net**

4200 S. John Young Parkway  
Orlando, FL 32839



Note: All written comments submitted to Orange County, FL will become part of the public record for this project in accordance with Florida's broad public record laws (Chapter 119, F.S. and Chapter, 286 F.S.) and may be released to anyone, including news media, upon request.

## Comments

Excellent meeting  
Very informative  
Not happy about roundabouts!! Orangewood does not need them. Don't take away our blinking light.  
I am from NJ + they were smart enough to eliminate them years ago!  
Learn from the north ☺

Name: Lowell Albert-Lias  
Address: 5503 W. Scarington Ct

Email: GWAVIAN@GMAIL.COM  
Phone: 732-692-7780  
City/State/Zip: 32821



# Williamsburg Areawide Study

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407-836-8014

[Krista.Taraszewski@ocfl.net](mailto:Krista.Taraszewski@ocfl.net)

4200 S. John Young Parkway  
Orlando, FL 32839



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## Comments

Thank you for holding this meeting and getting feedback from the community!  
One concern: All bike lanes should be protected from motor vehicles with  
vegetation. Drivers are driving like maniacs now.

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

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407-836-8014

[Krista.Taraszewski@ocfl.net](mailto:Krista.Taraszewski@ocfl.net)

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Orlando, FL 32839



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## Comments

Great information.  
Thank you for being here

Name: Colleen Covey  
Address: Somerset Village  
Email: \_\_\_\_\_  
Phone: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_



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Orlando, FL 32839



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## Comments

I Appreciate The study:  
① I Agree with the TURN Lane Extension on Central Florida Parkway  
② I AM concerned about traffic which will increase in this area due to UNIVERSAL + CONVENTION CENTER  
③ TURN Lane Improvements on ORANGEWOOD

Name: Gary Ullmann  
Address:

Email: GaryULLMANN123@HOTMAIL  
Phone: 973-903-7284  
City/State/Zip:

# Williamsburg Areawide Study

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Orlando, FL 32839



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## Comments

Very helpful, good to see what is happening -  
Good to get contact info.

Thanks!

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_



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407-836-8014

[Krista.Taraszewski@ocfl.net](mailto:Krista.Taraszewski@ocfl.net)

4200 S. John Young Parkway  
Orlando, FL 32839



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## Comments

Thanks for taking the community's concerns seriously - much appreciated.

I was surprised at the overall plan - it's beautiful for the neighborhood, but

many of us have so many concerns about the massive traffic increase that will

come w/ Epix. Is it realistic to think we can steer them from using "our

neighborhood" for cut thru? More

conversation w/ your team + our community will help gain more confident support of your

Name: CAROL CIMINO  
Address: 5604 Parkview Lk Dr.

Email: [ccimino@cfl-ep.com](mailto:ccimino@cfl-ep.com)  
Phone: \_\_\_\_\_  
City/State/Zip: Orlando FL

# Williamsburg Areawide Study

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Project Manager,  
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407-836-8014

[Krista.Taraszewski@ocfl.net](mailto:Krista.Taraszewski@ocfl.net)

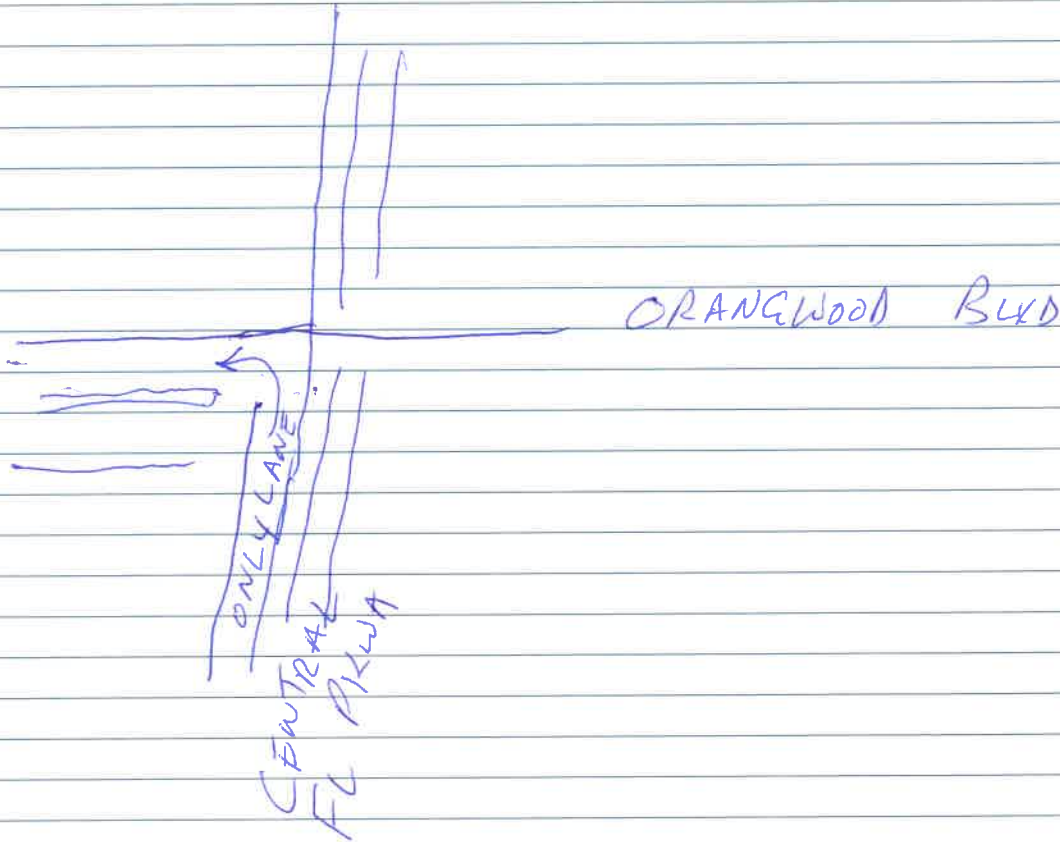
4200 S. John Young Parkway  
Orlando, FL 32839



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## Comments

THE ONLY LANES TURNING FROM FLORIDA CENTRAL PARKWAY TO ORANGEWOOD BLVD NEEDS TO BE EXTENDED, EVEN ON NON RUSH HOURS YOU HAVE TO WAIT FOR MANY SIGNALS TO TURN



Name: TARIQ LATIF  
Address: 11335 SCENIC VIEW LN  
ORLANDO FL 32821

Email: TLATIF@METLABS.COM  
Phone: 443-846-7724  
City/State/Zip: 32821



# Williamsburg Areawide Study

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407-836-8014

[Krista.Taraszewski@ocfl.net](mailto:Krista.Taraszewski@ocfl.net)

4200 S. John Young Parkway  
Orlando, FL 32839



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## Comments

PROPOSALS FOR BOTH GATEWAY & ORANGEWOOD NEEDS TWO LANES (4 LANES TOTAL) EACH WAY.

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

# Williamsburg Areawide Study

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## Comments

In my opinion the meeting went well  
The information was very useful  
I feel that they are good solutions

Name:

Don Salazar

Address:

1135 Pumpkin Seed CRT  
ORLANDO FL 32821

Email:

DonSalazar64@gmail.com

Phone:

32821

City/State/Zip:



# Williamsburg Areawide Study

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Orlando, FL 32839



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## Comments

Pleased with everything I heard  
w/ Mark Saml Decimals & Jan Lane's onto Orangewood.  
Thanks!

Name: \_\_\_\_\_

Address: \_\_\_\_\_

*Daniel Dean*

*4534 Sandy Hill/DW*

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

**Williamsburg - Citizen Concern log**

<b>Date email</b>	<b>Name</b>	<b>Address/Location</b>	<b>Email</b>	<b>Concern</b>	<b>Email response</b>
5/9/2023	Donna Finklestein	Multiple Properties North of Central Florida Py	<a href="mailto:deefina@cfl.rr.com">deefina@cfl.rr.com</a>	Are there any plans to extend Orangewood to John Young Py	Brian responded
5/22/2023	Donna Finklestein	See Above	<a href="mailto:deefina@cfl.rr.com">deefina@cfl.rr.com</a>	Requesting update on traffic signal installation	forwarded to traffic
5/31/2023	Louella Albert-Lois	5503 W Scarington Ct Orlando, FL 32821-7936		Comment opposing roundabouts on south quad	Comment from meeting
5/31/2023	Anonymous			Would like bike lanes to have a protected buffer from traffic	Comment from meeting
6/2/2023	Mr Mac McGowan	5640 Parkview Lake Dr Orlando, FL 32821	<a href="mailto:lbhs_sac@hotmail.com">lbhs_sac@hotmail.com</a>	Email opposing bike lanes, speed cushions, new trees and landscaped medians	email response dist 1 & KT
6/3/2023	Pat Mullin	5511 Deer Creek Drive Orlando, FL 32821	<a href="mailto:jpmullin2000@yahoo.com">jpmullin2000@yahoo.com</a>	Email opposing bike lanes, speed cushions, new trees and landscaped medians	KT 06/05/2023
6/5/2023	Gary Ullmann	5928 Petunia Ln Orlando, FL 32821	<a href="mailto:garyullmann123@hotmail.com">garyullmann123@hotmail.com</a>	email opposing South Quad improvements	Dist 1 response
6/5/2023	Ashley Below	5047 Demott Ct Orlando, FL 32821-7626	<a href="mailto:Abelow@hotmail.com">Abelow@hotmail.com</a>	Email opposing speed cushions	
6/5/2023	Cindy Carter	5118 Dorrington Lane Orlando, FL 32821	<a href="mailto:ccarter4396@gmail.com">ccarter4396@gmail.com</a>	Email opposing speed cushions and roundabouts on south quad	KT email 06/05/23
6/5/2023	John Halas	5707 Parkview Lake Dr Orlando, FL 32821-5505	<a href="mailto:johnphalas@gmail.com">johnphalas@gmail.com</a>	Emial inquiring about emergency vehicles	KT email 06/06/23
6/6/2023	Joseph Crum	5531 Delano Ln Orlando, FL 32821-7636	<a href="mailto:joseph.crum@gmail.com">joseph.crum@gmail.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/15/23
6/6/2023	Caroline Farnham	5831 Petunia Ln Orlando, FL 32821-5512	<a href="mailto:ultrariders3@cfl.rr.com">ultrariders3@cfl.rr.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/06/23
6/6/2023	Michael Morgan	5225 Desmond Lane Orlando, FL 32821	<a href="mailto:mikemorganfl@aol.com">mikemorganfl@aol.com</a>	Email opposing reduction of lanes and roundabouts on south quad	KT email 06/15/2023
6/6/2023	Diann Hasseman	5424 Shingle Creek Dr Orlando, FL 32821	<a href="mailto:diandhasseman@aol.com">diandhasseman@aol.com</a>	Email opposing reduction of lanes and roundabouts on south quad	KT email 06/07/2023



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<b>Date email</b>	<b>Name</b>	<b>Address/Location</b>	<b>Email</b>	<b>Concern</b>	<b>Email response</b>
6/6/2023	Jeff Wright	5173 Deer Creek Dr Orlando, FL 32821	<a href="mailto:jawright407@icloud.com">jawright407@icloud.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/15/23
6/8/2023	Gaby & Eric Astacio	5653 Parkview Lake Dr Orlando, FL 32821-5502	<a href="mailto:gabyschunk@gmail.com">gabyschunk@gmail.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/08/23
6/8/2023	Eithne Clarke	5409 Shingle Creek Drive Orlando, FL 32821	<a href="mailto:eithne_clarke@hotmail.com">eithne_clarke@hotmail.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/15/23
6/8/2023	Kathy Nemeth	6019 Parkview Pointe Dr Orlando, FL 32821		Email opposing reduction of lanes on south quad, would like to see longer timing and queue length at Central florida Py & Orangewood	Telephone Conversation
6/8/2023	Yvonne Heep	5916 Petunia Lane Orlando, FL 32821	<a href="mailto:heeper@centurylink.net">heeper@centurylink.net</a>	Email opposing reduction of lanes on south quad	from Dist 1
6/10/2023	Patrick Desmarais	5337 Dorrington Ln, Orlando, FL 32821	<a href="mailto:patrick.j.desmarais@gmail.com">patrick.j.desmarais@gmail.com</a>	Email opposing reduction of lanes, roundabouts & speed cushions on south quad	KT email 06/15/23
6/10/2023	"Concerned 23 yr old"		cmar281134@aol.com	Email opposing reduction of lanes & speed cushions on south quad	
6/10/2023	Wendy Lewis	1826 Sailboat Ln Orlando, FL 32821	<a href="mailto:wslewis60@comcast.net">wslewis60@comcast.net</a>	Email opposing reduction of lanes, roundabouts & speed cushions on south quad	KT email 06/15/23
6/11/2023	Ned Kazor	5257 Watervista Dr Orlando, FL 32821	<a href="mailto:nedkazor@yahoo.com">nedkazor@yahoo.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/15/2023
6/11/2023	Natalia Warren	5444 Shingle Creek Drive Orland, FL 32821	<a href="mailto:nataliawarren@bellsouth.net">nataliawarren@bellsouth.net</a>	Email opposing recommendations on South quad	KT email 06/12/2023
6/11/2023	Melodie Winn	5397 Watervista Dr Orlando, FL 32821-5549	<a href="mailto:melodiewinn@gmail.com">melodiewinn@gmail.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/12/2023
6/12/2023	Crissy Winn		<a href="mailto:crissywinn@gmail.com">crissywinn@gmail.com</a>	Email opposing reduction of lanes on south quad	
6/12/2023	Pak Yan Chiu	5636 Parkview Lake Dr Orlando, FL 32821	<a href="mailto:pakyanchiu88@gmail.com">pakyanchiu88@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/15/2023
6/13/2023	Misty Hood	email says Parkview Lake Drive	<a href="mailto:mistydhood@gmail.com">mistydhood@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/14/23
6/14/2023	Frank Plantamura	5428 Shingle Creek Dr Orlando, FL 32821-5544	<a href="mailto:plantam70@gmail.com">plantam70@gmail.com</a>	Email opposing reduction of lanes, roundabouts & speed cushions on south quad	
6/15/2023	Rachel McMiller (Haig)		<a href="mailto:rachjaclyn@aim.com">rachjaclyn@aim.com</a>	Email concerning the extension of Orangewood to JYP	KT email 06/15/23

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<b>Date email</b>	<b>Name</b>	<b>Address/Location</b>	<b>Email</b>	<b>Concern</b>	<b>Email response</b>
6/15/2023	Barbara Evans	5633 Parkview Lake Dr Orlando, FL 32821	<a href="mailto:barbevans2016@gmail.com">barbevans2016@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/15/2023
6/15/2023	Elaine Holt		<a href="mailto:wemholt@aol.com">wemholt@aol.com</a>	Email opposing reduction of lanes on south quad	email sent to commissioner cc me
6/16/2023	Chris Beck	5536 Donnelly Circle Orlando, FL 32821	<a href="mailto:babolat75@gmail.com">babolat75@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/16/2023
6/16/2023	Maureen Higgins	Deer Creek Village	<a href="mailto:MaureenHiggins687@outlook.com">MaureenHiggins687@outlook.com</a>	Email opposing reduction of lanes on south quad	
6/17/2023	Anonymous		<a href="mailto:sabovae@aol.com">sabovae@aol.com</a>	Email opposing reduction of lanes, lowering of speed limit & speed cushions on south quad	KT email 06/19/2023
6/17/2023	Gwendolyn glaser	5225 Tavel St Orlando, FL 32821-8711	<a href="mailto:gwendolynglaser@gmail.com">gwendolynglaser@gmail.com</a>	Email requesting review of Orangewood between Gateway and Central Florida Py	KT email 06/19/2023
6/17/2023	Emerson Kovalczuk	11832 Daneswood Ct Orlando, FL 32821-7657	<a href="mailto:emekov@gmail.com">emekov@gmail.com</a>	Email opposing roundabouts, speed radar signs and reduction of lanes on south quad	
6/17/2023	Wendy Lewis	1826 Sailboat Ln Orlando, FL 32821	<a href="mailto:wslewis60@comcast.net">wslewis60@comcast.net</a>	Repeat email from 06/10/2023	Responded to earlier email
6/17/2023	Vickie Emling	5623 Norman H Cutson Dr. Or	<a href="mailto:Vemling@gmail.com">Vemling@gmail.com</a>	Email opposing reduction of lanes on south quad	
6/17/2023	Annie Duong	5745 Parkview Point Dr Orlando, FL 32821-7963	<a href="mailto:annie.duong0@gmail.com">annie.duong0@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/19/2023
6/17/2023	Michael Schambon	5823 Parkview Lake Dr Orlando, FL 32821-5508	<a href="mailto:mschambon2004@yahoo.com">mschambon2004@yahoo.com</a>	Email opposing reduction of lanes on south quad	District 1 response
6/18/2023	John Cody Hampton	5106 Dorrington Ln Orlando, FL 32821-7617	<a href="mailto:code_man4@yahoo.com">code_man4@yahoo.com</a>	Email requesting connection to JYP and opposition to reduction of lanes	KT email 06/19/2023
6/18/2023	Steve Lembrée	11600 Peach Grove Ln Orlando, FL 32821-7913	<a href="mailto:stevelembree@gmail.com">stevelembree@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/19/2023
6/19/2023	Alexander Chiaro	5223 Stratfield Dr Orlando, FL 32821-7941	<a href="mailto:alex.chiaro@gmail.com">alex.chiaro@gmail.com</a>	Email opposing reduction of lanes, traffic circles & speed cushions on south quad	KT email 06/19/2023
6/19/2023	Dan Lantz	5167 Deer Creek Dr Orlando, FL 32821-7643	<a href="mailto:danjilantz@yahoo.com">danjilantz@yahoo.com</a>	Email emphasizing that the south quad was not part of the meetings prior to May 31st, has concerns over recommendations	Email from District 1
6/20/2023	D Gonza		<a href="mailto:dr100fl@gmail.com">dr100fl@gmail.com</a>	Email opposing reduction of lanes on south quad	
6/22/2023	Ken Rogers	Parkview Lake Drive	<a href="mailto:kenrogers914@comcast.net">kenrogers914@comcast.net</a>	Phone call opposing reduction of lanes and speed cushions	



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<b>Date email</b>	<b>Name</b>	<b>Address/Location</b>	<b>Email</b>	<b>Concern</b>	<b>Email response</b>
6/22/2023	Jose Unamuno	5148 Deer Creek Dr Orlando, FL 32821-7614	<a href="mailto:junamuno@gmail.com">junamuno@gmail.com</a>	Proceed with project	KT Email 06/23/23
6/22/2023	Carol Murphy	5214 Deer Creek Dr Orlando, FL 32821	<a href="mailto:carolmurphy132@gmail.com">carolmurphy132@gmail.com</a>	Email opposing reduction of lanes on south quad	KT Email 06/23/2023
6/23/2023	Brian C Peters	5123 Dorrington Lane Orlando, FL 32821	<a href="mailto:brian.peters0511@yahoo.com">brian.peters0511@yahoo.com</a>	Email opposing reduction of lanes & traffic circles	KT email 06/23/2023
6/23/2023	Celeste Herzog		<a href="mailto:mceleher@hotmail.com">mceleher@hotmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/26/2023
6/23/2023	Christina Fragetta	5705 Delano Ln Orlando, FL 32821-7637	<a href="mailto:cfragetta@gmail.com">cfragetta@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/26/2023
6/24/2023	Kristen St Jean	5012 Dyer Ct Orlando, FL 32821-7646	<a href="mailto:kristen.stjean@gmail.com">kristen.stjean@gmail.com</a>	Email opposing reduction of lanes, traffic circles & speed cushions on south quad	KT email 06/26/2023
6/25/2023	Micheal Frith	5185 Deer Creek Drive Orlando, FL 32821	<a href="mailto:frithycent@gmail.com">frithycent@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/26/2023
6/25/2023	Ed Baxley	5729 Delano Ln Orlando, FL 32821-7637	<a href="mailto:ed.baxley@yahoo.com">ed.baxley@yahoo.com</a>	Email opposing reduction of lanes on south quad	KT email 06/26/2023
6/25/2023	John Higgins		<a href="mailto:johnhiggins687@outlook.com">johnhiggins687@outlook.com</a>	Email opposing reduction of lanes, traffic circles & speed cushions on south quad	KT email 06/26/2023
6/26/2023	Laura Bonet	5190 Deer Creek Dr Orlando, FL 32821	<a href="mailto:leb8snow@gmail.com">leb8snow@gmail.com</a>	Email opposing reduction of lanes & traffic circles	KT email 06/27/2023
6/27/2023	Dana Schroeder	11207 Purple Plum Ct Orlando, FL 32821	<a href="mailto:danaschroeder79@gmail.com">danaschroeder79@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/28/2023
6/27/2023	Laurie Boggs	5602 Delano Ln Orlando, FL 32821-7634	<a href="mailto:laurie.boggs@gmail.com">laurie.boggs@gmail.com</a>	Email opposing reduction of lanes, traffic circles & speed cushions on south quad	KT email 06/28/2023
6/27/2023	Daniel Pieloch	5111 Dorrington Lane Orlando, FL 32821	<a href="mailto:Daniel.Pieloch@truist.com">Daniel.Pieloch@truist.com</a>	Email opposing reduction of lanes & speed cushions on south quad	KT email 06/28/2023
6/28/2023	Kathy Joseph	5766 Parkview Lake Dr Orlando, FL 32821-5506	<a href="mailto:tiannie21@gmail.com">tiannie21@gmail.com</a>	Phone call opposing reduction of lanes & speed cushions (just unnecessary disruption)	phone call
6/29/2023	Rick & Kerry Mohring	11213 Purple Plum Ct Orlando, FL 32821-5509	<a href="mailto:rick@professionalimprovementsandrepair.com">rick@professionalimprovementsandrepair.com</a>	Email opposing reduction of lanes on south quad	KT email 06/29/2023
6/29/2023	Raymond S Schalk	11503 Sandy Hill Dr Orlando, FL 32821-7910	<a href="mailto:raymondschalk@hotmail.com">raymondschalk@hotmail.com</a>	Email opposing reduction of lanes on south quad	KT email 06/29/2023
6/30/2023	Max Beaux	Deer Creek Dr Orlando, FL 32821	<a href="mailto:maxbeaux@yahoo.com">maxbeaux@yahoo.com</a>	Email opposing reduction of lanes, traffic circles & speed cushions on south quad	KT email 06/30/2023

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<b>Date email</b>	<b>Name</b>	<b>Address/Location</b>	<b>Email</b>	<b>Concern</b>	<b>Email response</b>
6/30/2023	Andrew Dalmau	5100 Deer Creek Dr Orlando, FL 32821-7607	<a href="mailto:adalmau108@gmail.com">adalmau108@gmail.com</a>	Email opposing recommendations	KT email 06/30/2023
6/30/2023	John Johnston	5208 Deer Creek Dr Orlando, FL 32819	<a href="mailto:jonniejohnston6@gmail.com">jonniejohnston6@gmail.com</a>	Email opposing reduction of lanes on south quad	KT email 07/06/2023
6/30/2023	Ed Luff and Sandra Sandman	11327 Pink Blossom Ct Orlando, FL 32821	<a href="mailto:callycat1@yahoo.com">callycat1@yahoo.com</a>	Email opposing reduction of lanes on south quad	KT email 07/06/2023
7/1/2023	Sandra Deloughery	11828 Sitting Bull Lane Orlando, FL 32821	<a href="mailto:sangralee@gmail.com">sangralee@gmail.com</a>	Email opposing reduction of lanes & traffic circles	KT email 07/06/2023