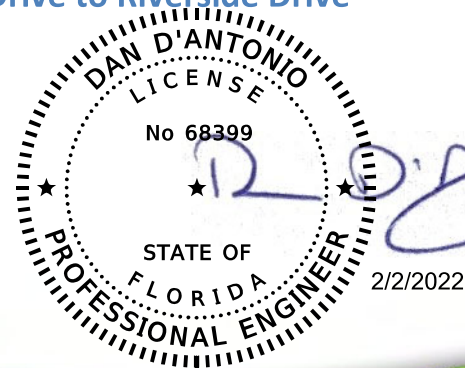




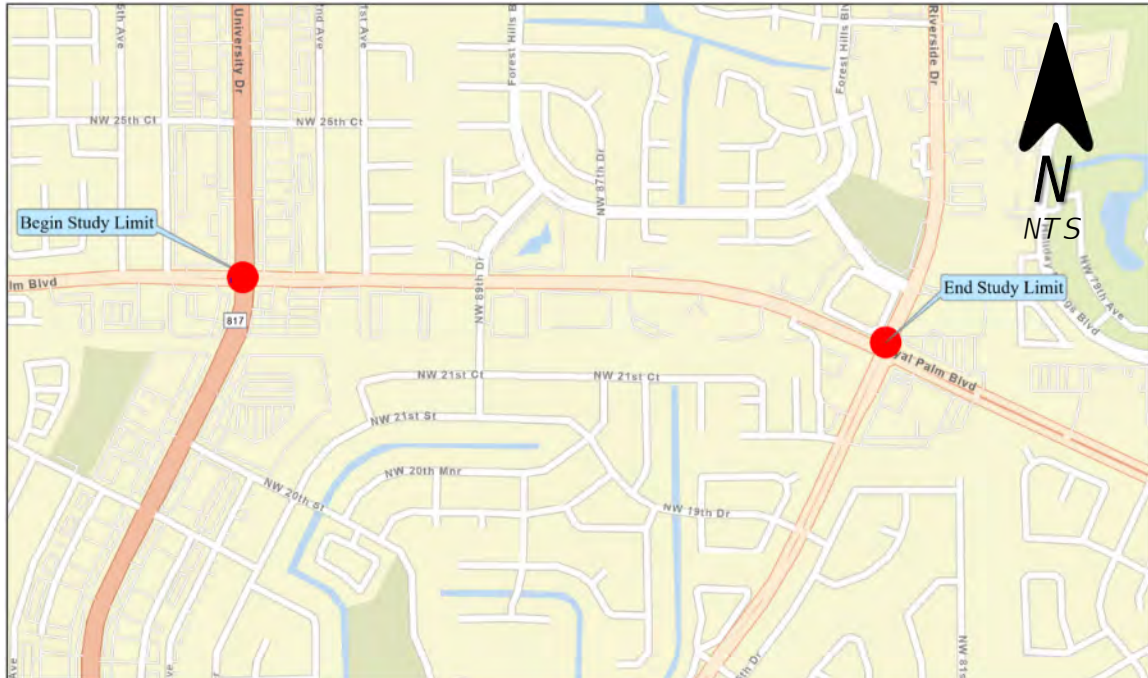
Road Safety Analysis Report
For
Royal Palm Boulevard from University Drive to Riverside Drive
Broward County

February 2022



1.0 INTRODUCTION

The Royal Palm Boulevard corridor from University Drive to Riverside Drive was identified as a high-crash corridor in the 2045 Metropolitan Transportation Plan (MTP) and chosen for study by the Broward Metropolitan Planning Organization (BMPO). The location is in the City of Coral Springs and under the maintenance jurisdiction of Broward County. The intersection at University Drive is under jurisdiction of the Florida Department of Transportation (FDOT). The study corridor in relation to the surrounding roadway network is graphically depicted in the Location Map below.



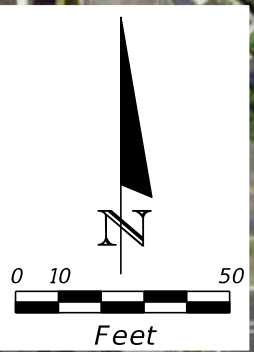
The BMPO is concurrently studying the intersections of NW 89th Drive and Riverside Drive. Observations and recommendations at those locations have been omitted from this corridor study.

2.0 EXISTING CONDITION

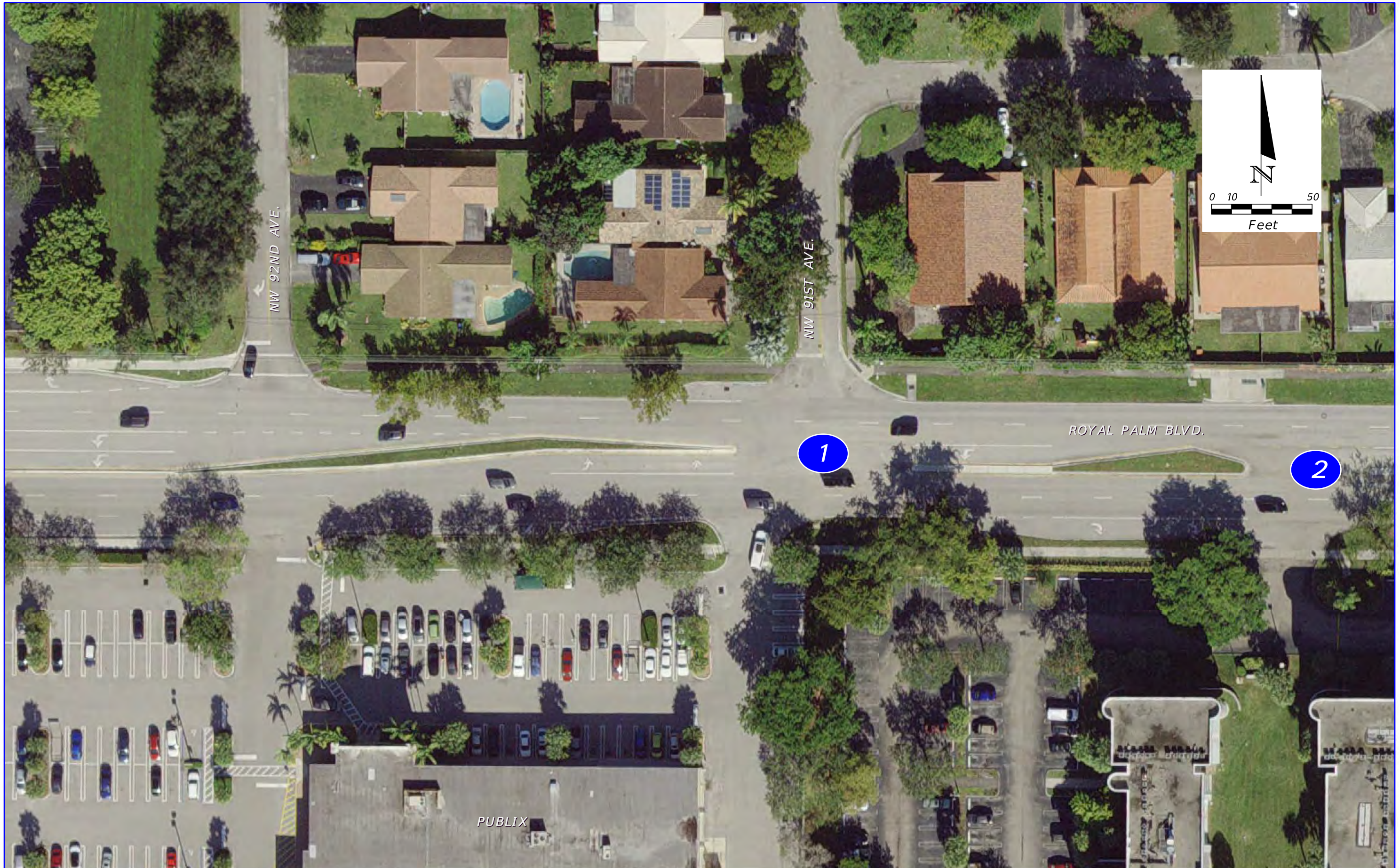
The characteristics of the study corridor from University Drive to Riverside Drive is located in the City of Coral Springs, Broward County, Florida are summarized below. A study corridor condition diagram is provided in the following pages.

Features	Description
Main Street	Royal Palm Boulevard is a four-lane median-divided urban minor arterial oriented east-west.
Context Classification	C4 – Urban General; Target Speed — 30 to 45 mph
Posted Speeds	Royal Palm Boulevard: 40 mph
Sidewalks	Sidewalk present both north and south side of Royal Palm Boulevard.
Bicycle Lane	None
Pedestrian/Bicycle Generators	Big-box and strip mall commercial at the intersection of University Drive. High- and medium-density single-family and multi-family residential developments along Royal Palm Boulevard and NW 89 th Drive. High- and medium-density residential developments along Royal Palm Boulevard and Riverside Drive. Somerset Academy Riverside, Forest Hills Park
Signalized Cross Streets	University Drive Riverside Drive
Roadway Lighting	Roadway lighting present along the north side of Royal Palm Boulevard.

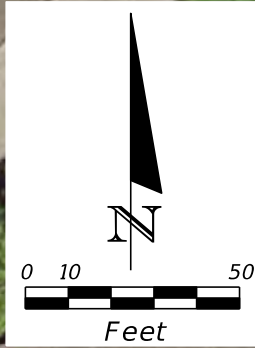
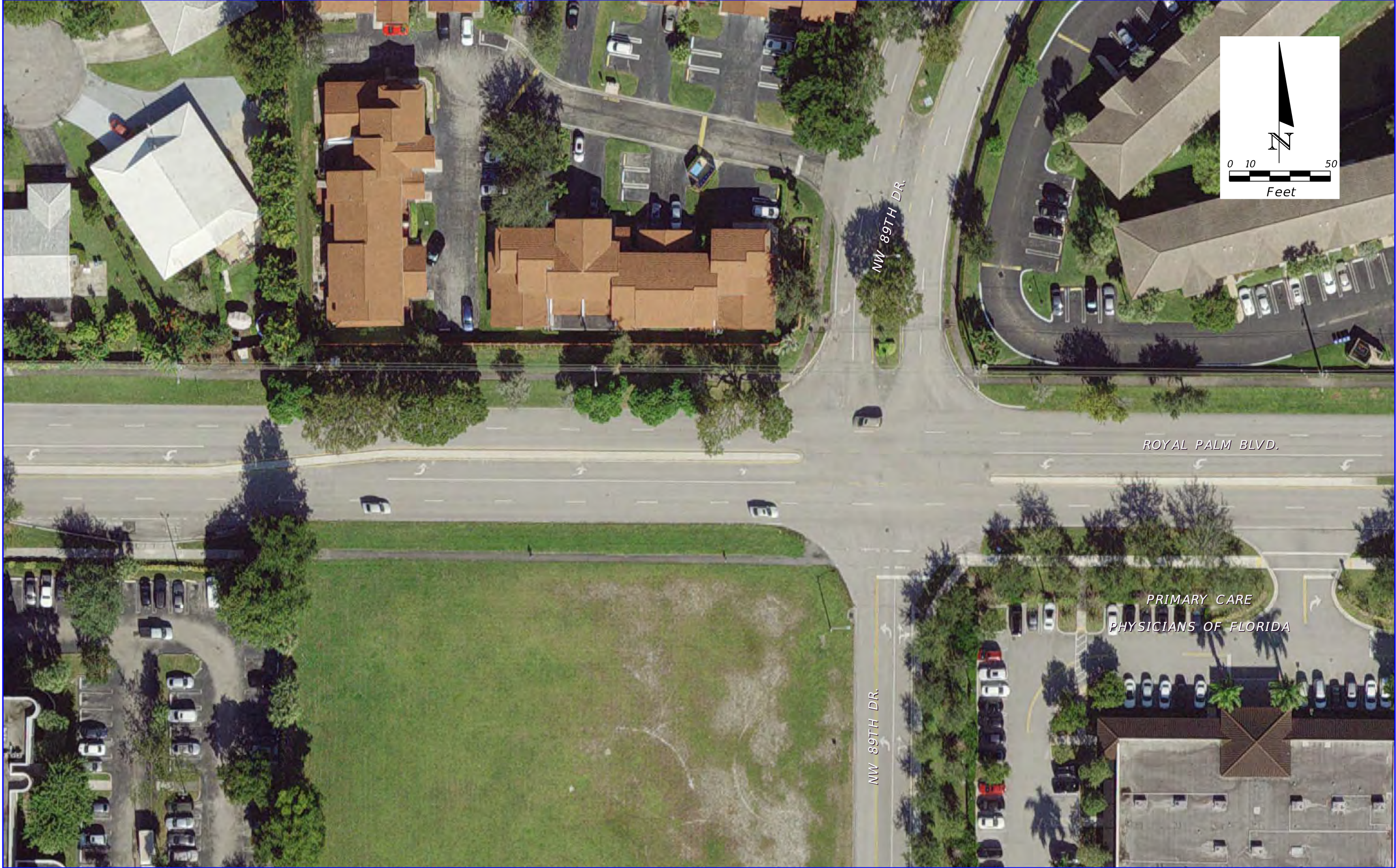
Surrounding Development	<p>Royal Palm Boulevard: High- and medium-density residential and low intensity commercial.</p> <p>University Drive: Big-box and strip mall retail.</p> <p>NW 89th Drive: Medium-density residential.</p> <p>Riverside Drive: High- and medium-density residential. Institutional, recreation, and places of worship.</p>
Pavement, Signing & Marking Condition	<p>University Drive: Fair condition</p> <p>University Drive to NW 89th Drive: Fair condition</p> <p>NW 89th Drive to Riverside Drive: Fair condition</p>
Transit	<p>Broward County Transit route 83 along Royal Palm Boulevard. WB transit stop 565 feet west of NW 89th Drive, WB transit stop 1340 feet west of Riverside drive, WB transit stop 245 feet west of Riverside Drive and EB transit stop 370 feet west of Riverside drive, EB transit stop 400 feet west of 89th drive, and EB transit stop 55 feet east of University Drive.</p>



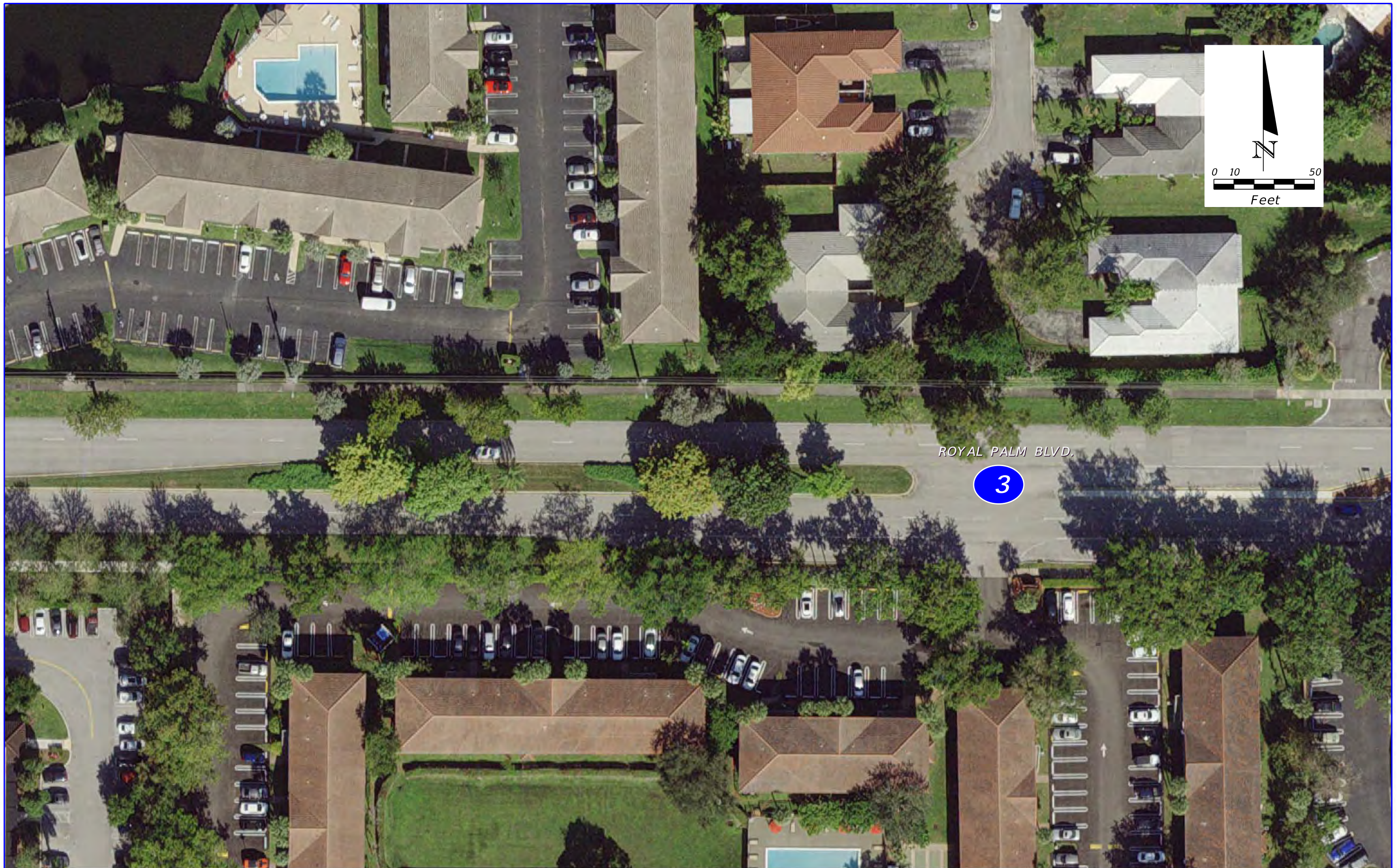
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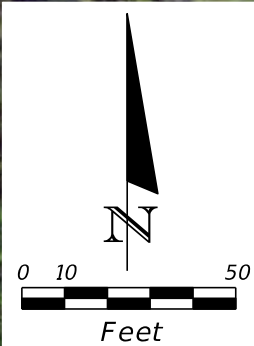
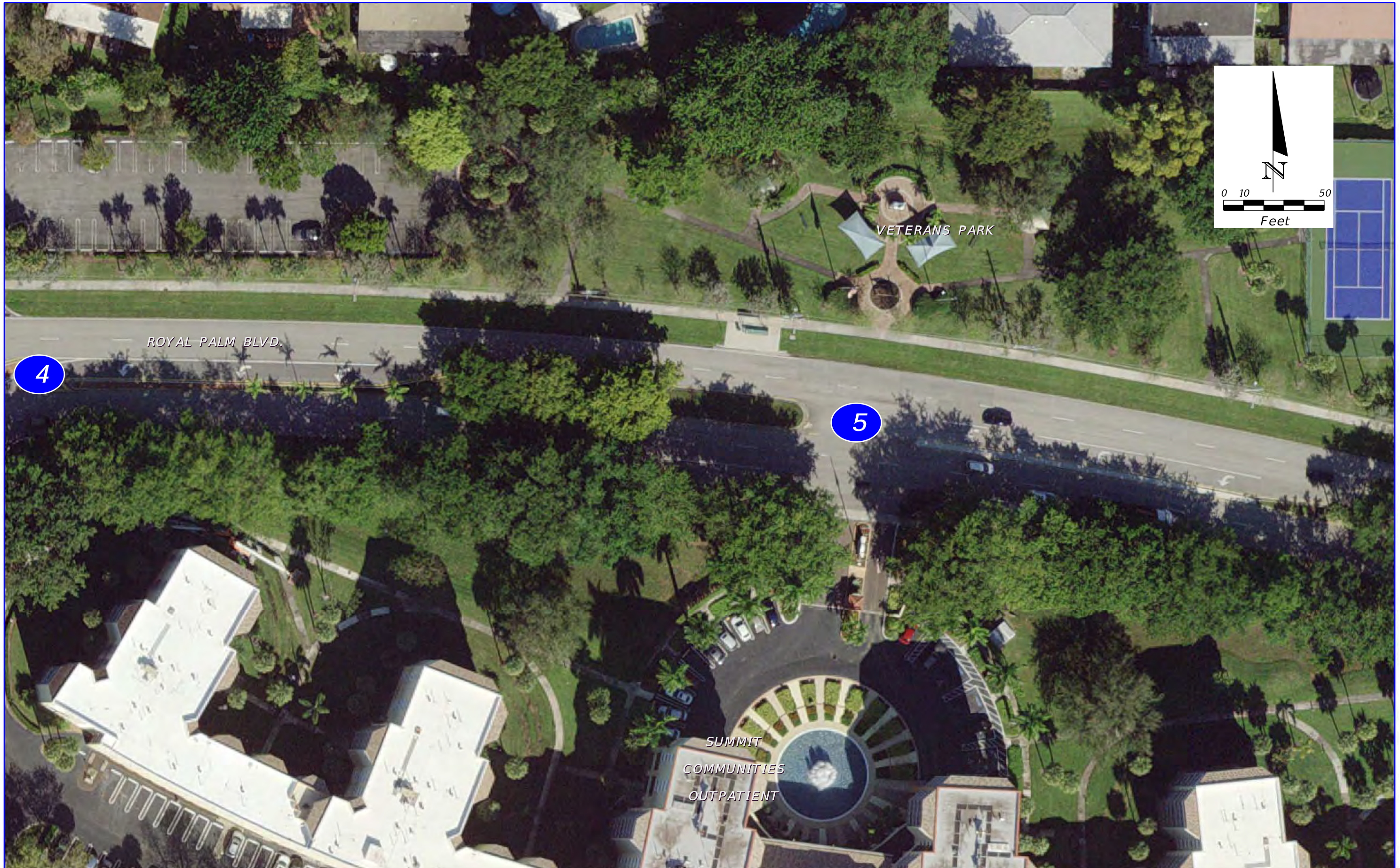
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					BROWARD			



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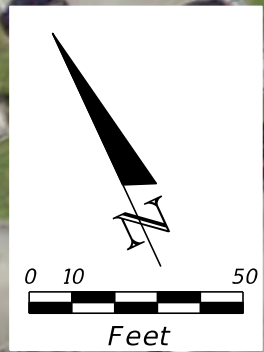
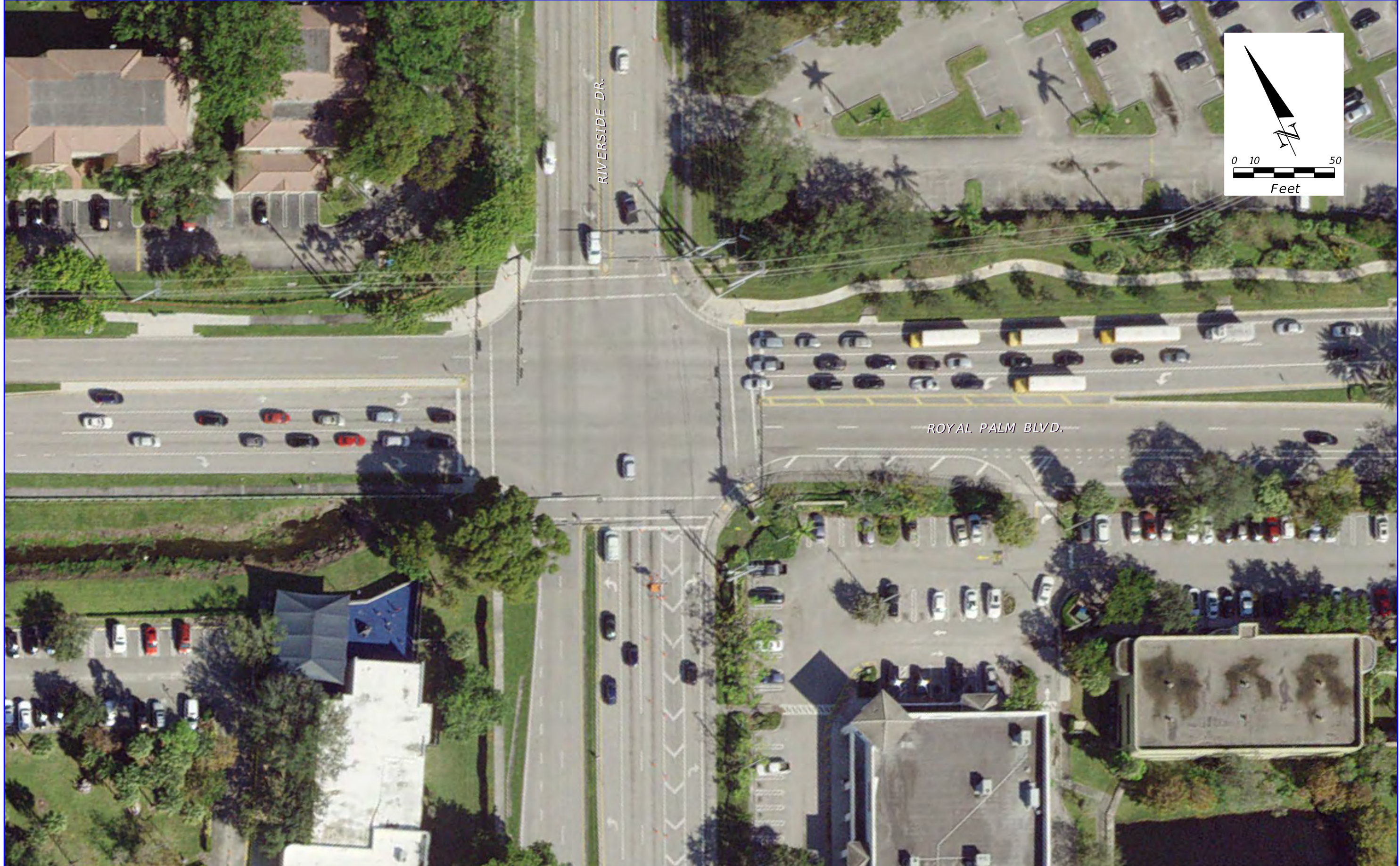


REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			BASEMAP	FIGURE
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			BASEMAP	FIGURE 5
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			BASEMAP	FIGURE
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		7
					BROWARD			

3.0 COLLISION ANALYSIS

As stated in the introduction, the intersections of NW 89th Drive and Riverside Drive are being studied simultaneously with this study. As such, crashes associated with those locations were omitted from this corridor study.

According to crash records obtained by VHB from Signal Four Analytics, there were 405 reported crashes from January 1, 2015 to August 29th, 2021. The total property damage from these crashes was estimated at \$1,515,201. Four pedestrian and five bicycle crashes were reported during the study period.

The number of crashes by types are as follows:

Rear-End	212	(52.3%)
Sideswipe	79	(19.5%)
Angle	37	(9.1%)
Left Turn	28	(6.9%)
Right Turn	15	(3.7%)
Ran-off Road	9	(2.2%)
Bicycle	5	(1.2%)
Backed Into	2	(0.5%)
Pedestrian	4	(1.0%)
Head-on	3	(0.7%)
Roll-over	1	(0.2%)
Other	10	(2.5%)

The number of crashes by contributing cause is as follows:

Careless Driving	192	(47.4%)
Failed to Yield ROW	79	(19.5%)
Improper Lane Change	60	(14.8%)
Followed too closely	22	(5.4%)
Failed to Maintain vehicle	11	(2.7%)
Disregarded Stop Sign	10	(2.5%)
Improper Turn	7	(1.7%)
Disregarded Traffic Signal	4	(1.0%)

Improper backing	2	(0.5%)
Driving wrong side/way	1	(0.2%)
Driver Distraction	1	(0.2%)
Other	16	(4.0%)

The number of crashes by lighting condition are as follows:

Daylight	324	(80.0%)
Dark-Lighted	67	(16.5%)
Dusk	10	(2.5%)
Dawn	3	(0.7%)
Dark-Not Lighted	1	(0.2%)

The number of crashes by analysis year are as follows:

Year 2015	55	(13.6%)
Year 2016	55	(13.6%)
Year 2017	68	(16.8%)
Year 2018	77	(19.0%)
Year 2019	52	(12.8%)
Year 2020	51	(12.6%)
Year 2021 (till August 31)	47	(11.6%)

There were 212 rear-end crashes reported during the study period. These crashes were mainly a result of failure to yield right of way, careless driving, or inattention to stopped or slowing vehicles ahead due to congestion and following too closely and improper lane change. These crashes resulted in 42 injuries and zero fatalities. Of these rear-end crashes, 175 occurred during daylight conditions, 30 occurred under dark-lighted conditions, six occurred during dusk period and one during dawn period.

Twenty-eight left-turn crashes were reported during the study period. Failure to yield right of way was the major factor for these crashes. These crashes resulted in 23 injuries and zero fatalities. Of these rear-end crashes, 19 occurred during daylight conditions, seven occurred under dark-lighted conditions, one occurred during dusk period and one during dawn period.

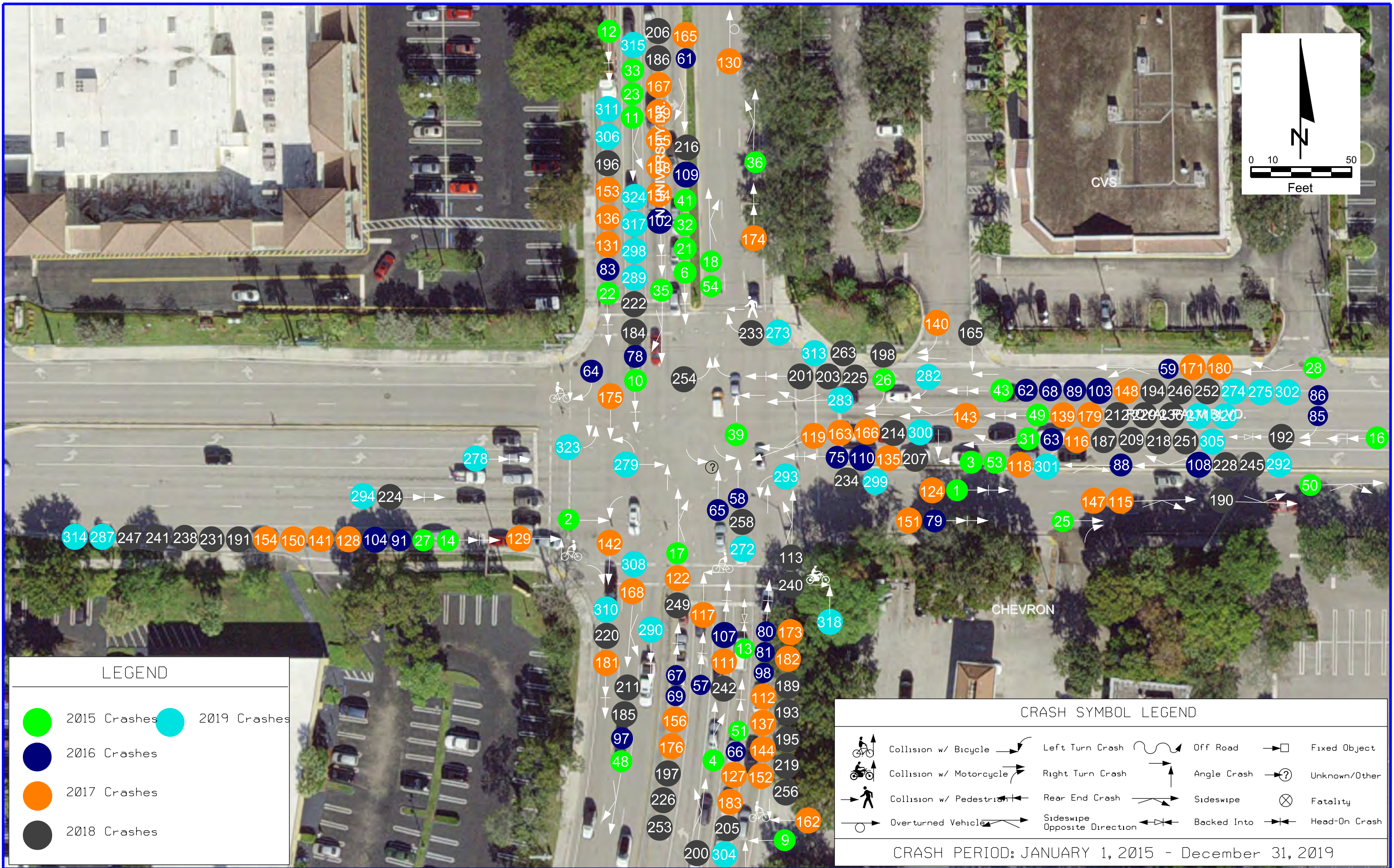
There were 37 angle crashes reported during the study period. These crashes were a result of multiple factors like failing to yield right of way, disregarding stop sign, disregarding traffic signal, following too closely, improper turn, and careless driving. These crashes resulted in nine injuries and zero fatalities. Of these angle crashes, 28 occurred during daylight conditions, eight occurred under dark-lighted conditions, and one occurred during dusk period.

Seventy-nine sideswipe crashes were reported during the study period. These crashes were a result of multiple factors like failing to yield right of way, following too closely, improper lane change and careless driving. These crashes resulted in seven injuries and zero fatalities. Of these angle crashes, 65 occurred during daylight conditions, 12 occurred under dark-lighted conditions, and two occurred during dusk period.

Three head-on crashes were reported during the study period. These crashes were a result of failing to yield right of way and other. These crashes resulted in one injury and zero fatalities. All three crashes occurred during daylight period.

Five bicycle crashes were reported during the study period. These crashes were a result of failing to yield right of way and disregarding a stop sign. These crashes resulted in three injuries and zero fatalities. Four of these bicycle crashes occurred during daylight conditions, one occurred during dawn period.

Four pedestrian crashes were reported during the study period. These crashes were a result of failing to yield right of way and improper lane change. These crashes resulted in five injuries and zero fatalities. Two of these pedestrian crashes occurred during daylight conditions, two occurred under dark-lighted conditions.

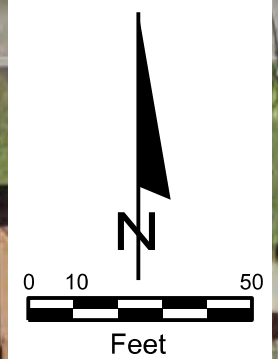
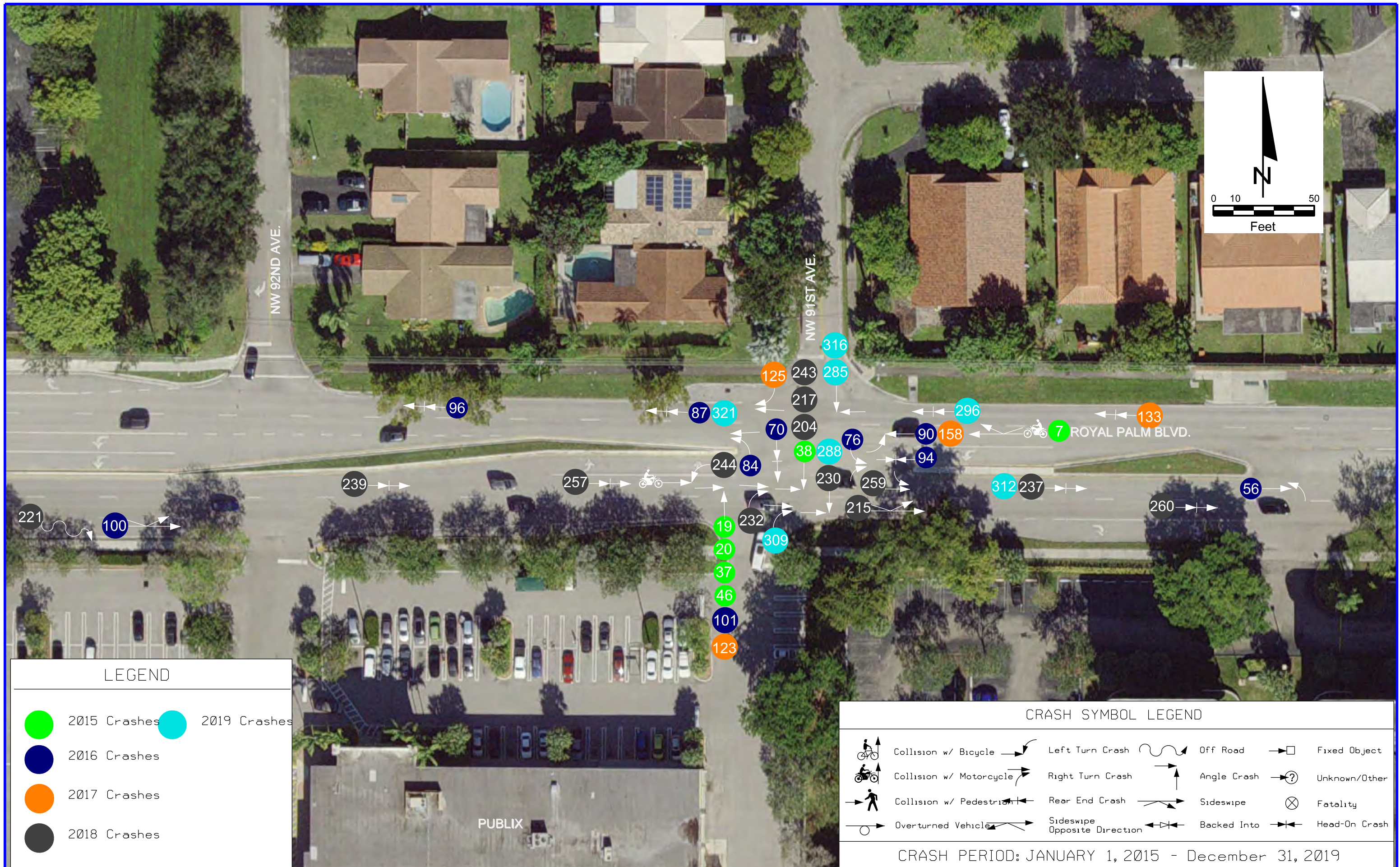


LEGEND			
●	2015 Crashes	●	2019 Crashes
●	2016 Crashes		
●	2017 Crashes		
●	2018 Crashes		

CRASH SYMBOL LEGEND			
	Collision w/ Bicycle		Left Turn Crash
	Collision w/ Motorcycle		Right Turn Crash
	Collision w/ Pedestrian		Rear End Crash
	Overturned Vehicle		Sideswipe Opposite Direction
	Off Road		Angle Crash
	Fixed Object		Sideswipe
	Unknown/Other		Backed Into
	Fatality		Head-On Crash

CRASH PERIOD: JANUARY 1, 2015 - December 31, 2019

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CRASH DIAGRAM ROYAL PALM BLVD	FIGURE 1
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BROWARD			

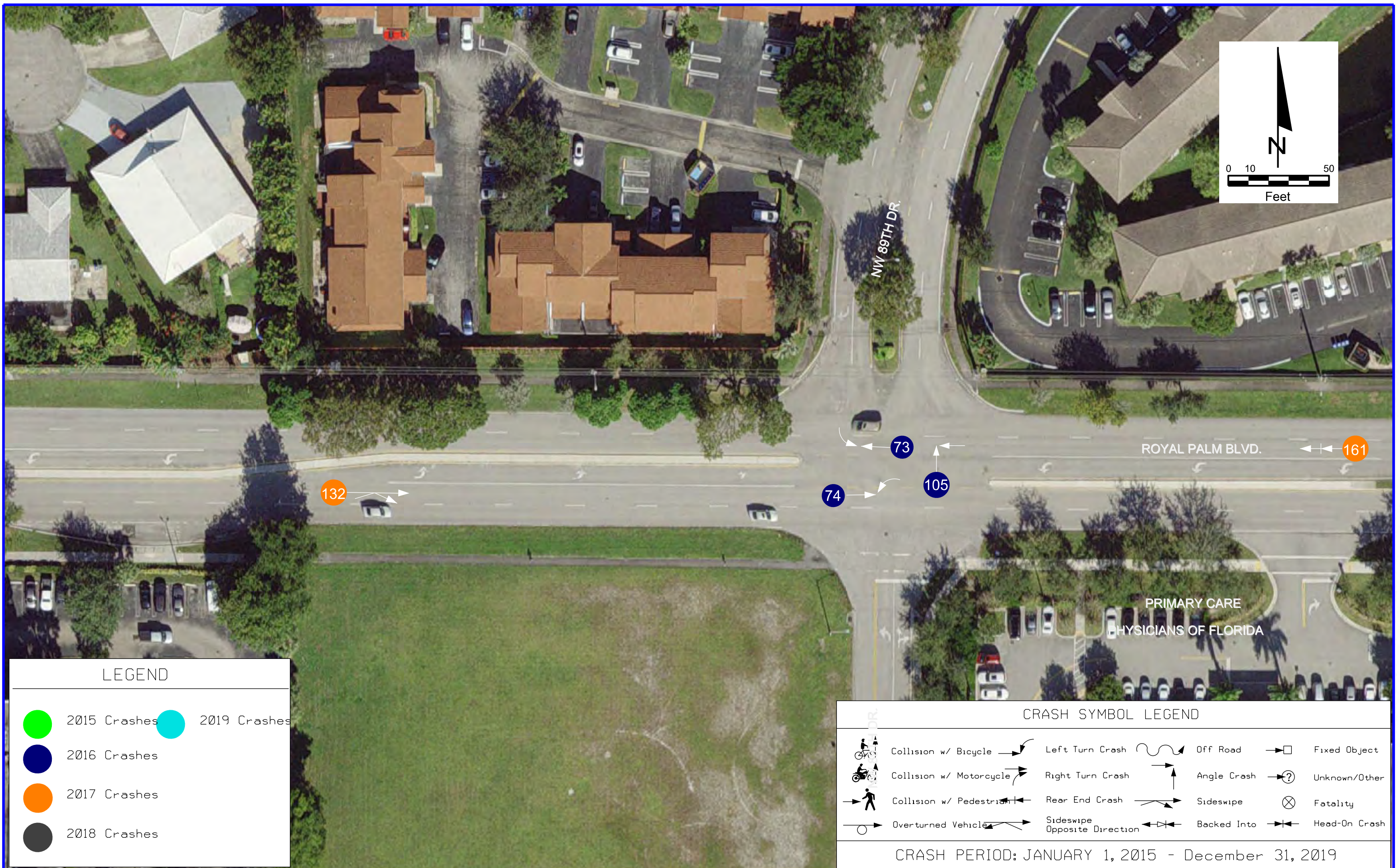


LEGEND	
●	2015 Crashes
●	2019 Crashes
●	2016 Crashes
●	2017 Crashes
●	2018 Crashes

CRASH SYMBOL LEGEND			
	Collision w/ Bicycle		Left Turn Crash
	Collision w/ Motorcycle		Right Turn Crash
	Collision w/ Pedestrian		Rear End Crash
	Overturned Vehicle		Sideswipe Opposite Direction
	Off Road		Angle Crash
	Fixed Object		Sideswipe
	Unknown/Other		Backed Into
	Fatality		Head-On Crash

CRASH PERIOD: JANUARY 1, 2015 - December 31, 2019

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CRASH DIAGRAM ROYAL PALM BLVD	FIGURE 2
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BROWARD			

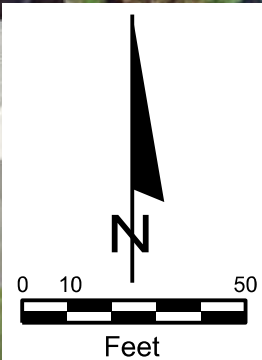


LEGEND	
● 2015 Crashes	● 2019 Crashes
● 2016 Crashes	
● 2017 Crashes	
● 2018 Crashes	

CRASH SYMBOL LEGEND			
	Collision w/ Bicycle		Left Turn Crash
	Collision w/ Motorcycle		Right Turn Crash
	Collision w/ Pedestrian		Rear End Crash
	Overturned Vehicle		Sideswipe Opposite Direction
	Off Road		Angle Crash
	Fixed Object		Sideswipe
	Unknown/Other		Backed Into
	Fatality		Head-On Crash

CRASH PERIOD: JANUARY 1, 2015 - December 31, 2019

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CRASH DIAGRAM ROYAL PALM BLVD	FIGURE 3
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BROWARD			

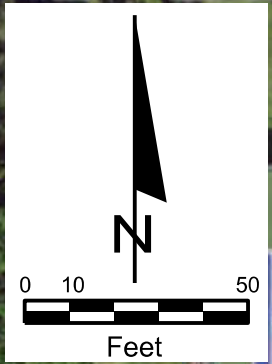
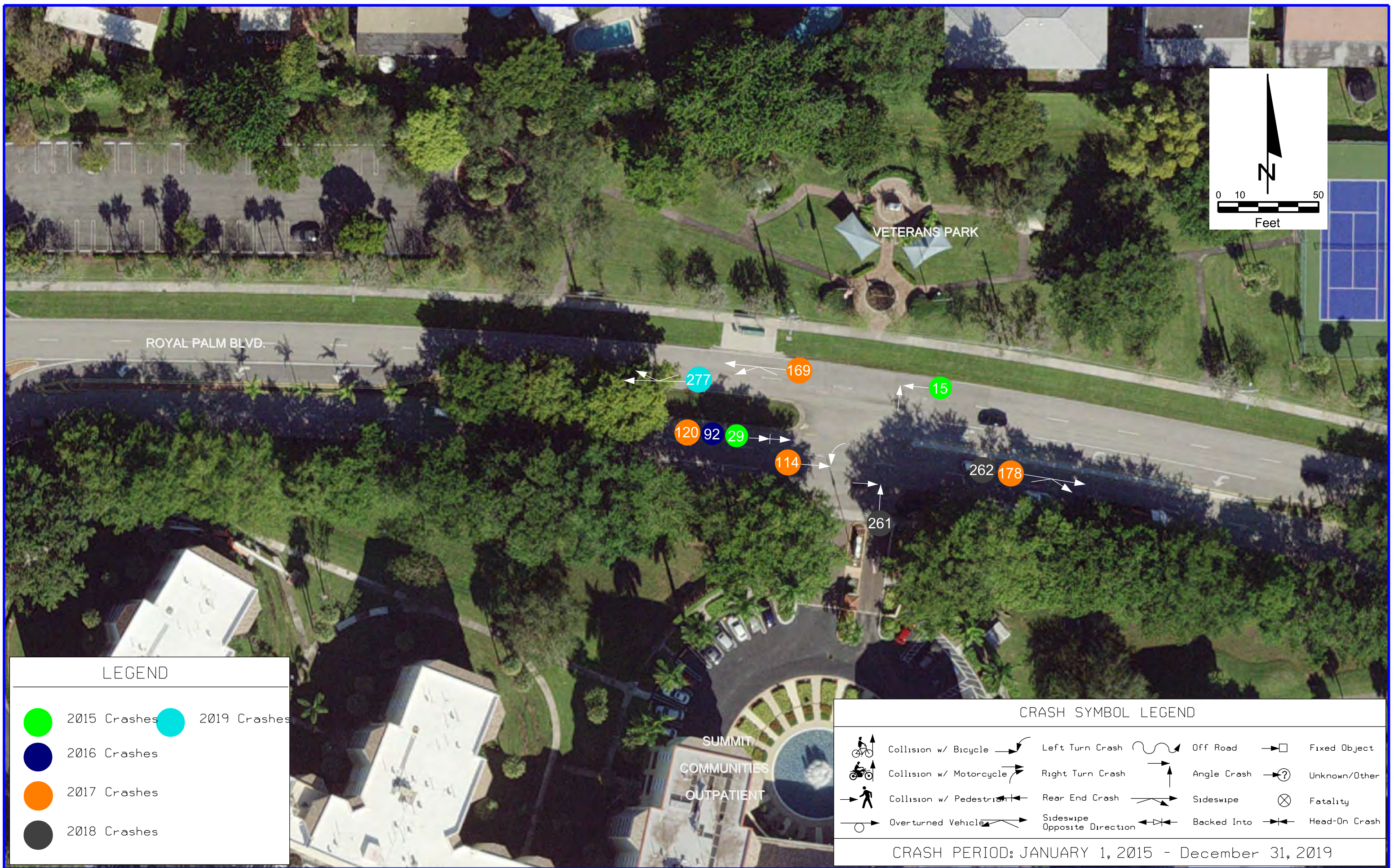


LEGEND	
●	2015 Crashes
●	2016 Crashes
●	2017 Crashes
●	2018 Crashes
●	2019 Crashes

CRASH SYMBOL LEGEND			
	Collision w/ Bicycle		Left Turn Crash
	Collision w/ Motorcycle		Right Turn Crash
	Collision w/ Pedestrian		Rear End Crash
	Overturned Vehicle		Sideswipe Opposite Direction
	Off Road		Angle Crash
	Fixed Object		Sideswipe
	Unknown/Other		Backed Into
	Fatality		Head-On Crash

CRASH PERIOD: JANUARY 1, 2015 - December 31, 2019

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		CRASH DIAGRAM ROYAL PALM BLVD	FIGURE 4
DATE	DESCRIPTION	ROAD NO.	COUNTY		
			BROWARD		

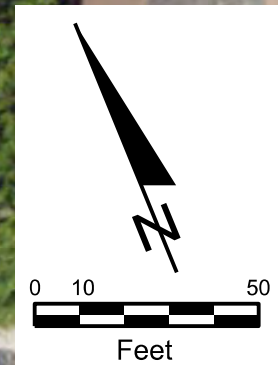


LEGEND	
● 2015 Crashes	● 2019 Crashes
● 2016 Crashes	
● 2017 Crashes	
● 2018 Crashes	

CRASH SYMBOL LEGEND			
	Collision w/ Bicycle		Left Turn Crash
	Collision w/ Motorcycle		Right Turn Crash
	Collision w/ Pedestrian		Rear End Crash
	Overturned Vehicle		Sideswipe Opposite Direction
	Off Road		Angle Crash
	Fixed Object		Sideswipe
	Unknown/Other		Backed Into
	Fatality		Head-On Crash

CRASH PERIOD: JANUARY 1, 2015 - December 31, 2019

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		CRASH DIAGRAM ROYAL PALM BLVD	FIGURE 5
DATE	DESCRIPTION	ROAD NO.	COUNTY		
			BROWARD		

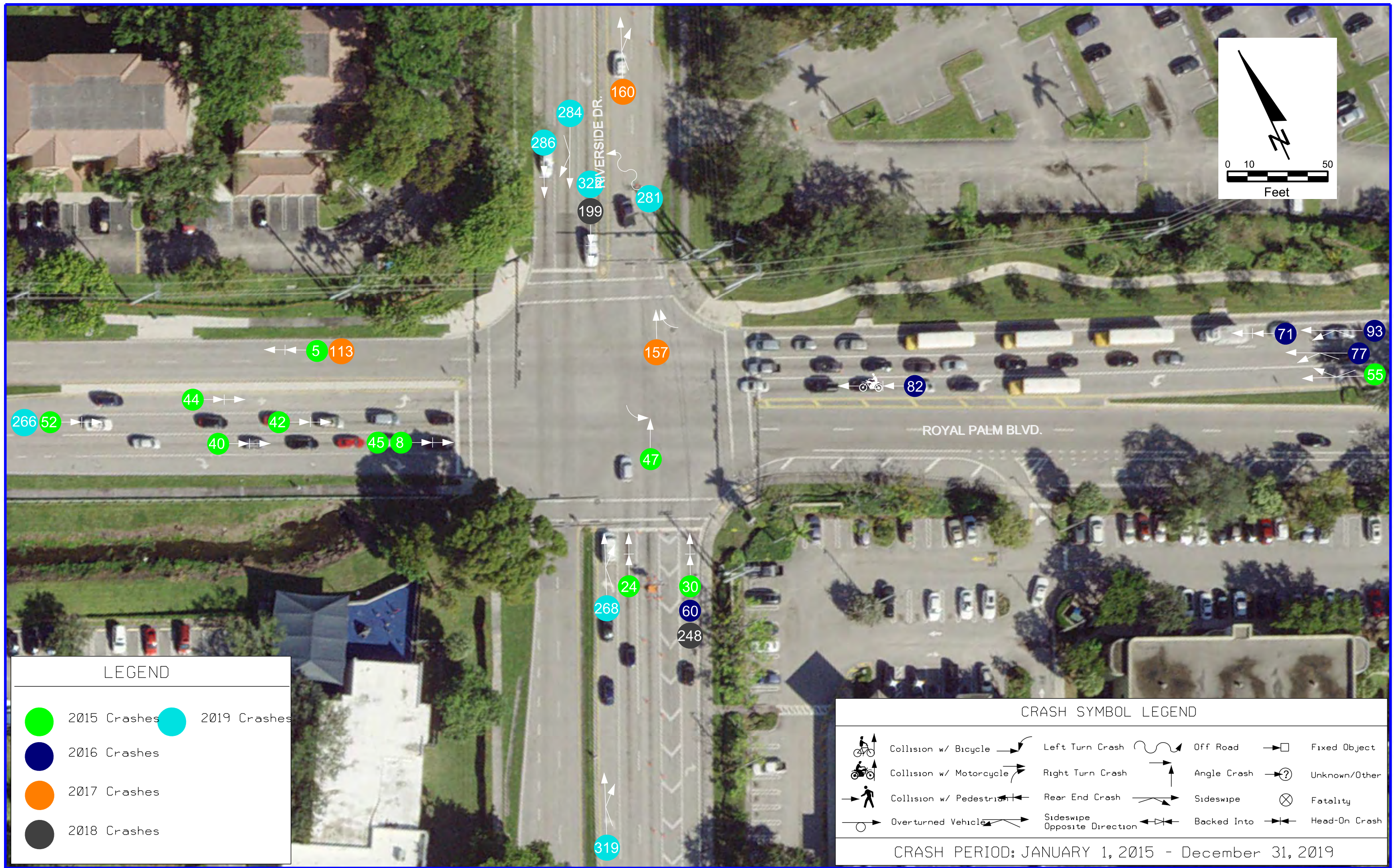


LEGEND	
● 2015 Crashes	● 2019 Crashes
● 2016 Crashes	
● 2017 Crashes	
● 2018 Crashes	

CRASH SYMBOL LEGEND			
	Collision w/ Bicycle		Left Turn Crash
	Collision w/ Motorcycle		Right Turn Crash
	Collision w/ Pedestrian		Rear End Crash
	Overturned Vehicle		Sideswipe Opposite Direction
	Off Road		Angle Crash
	Fixed Object		Sideswipe
	Unknown/Other		Backed Into
	Fatality		Head-On Crash

CRASH PERIOD: JANUARY 1, 2015 - December 31, 2019

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		CRASH DIAGRAM ROYAL PALM BLVD	FIGURE 6
DATE	DESCRIPTION	ROAD NO.	COUNTY		
			BROWARD		



LEGEND

●	2015 Crashes	●	2019 Crashes
●	2016 Crashes		
●	2017 Crashes		
●	2018 Crashes		

CRASH SYMBOL LEGEND

	Collision w/ Bicycle		Left Turn Crash		Off Road		Fixed Object
	Collision w/ Motorcycle		Right Turn Crash		Angle Crash		Unknown/Other
	Collision w/ Pedestrian		Rear End Crash		Sideswipe		Fatality
	Overturned Vehicle		Sideswipe Opposite Direction		Backed Into		Head-On Crash

CRASH PERIOD: JANUARY 1, 2015 - December 31, 2019

DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			FIGURE		
										ROAD NO.		COUNTY		FINANCIAL PROJECT ID	
										BROWARD				7	

4.0 Field Observations

A qualitative assessment based on field observations was performed by a team of stakeholders on October 5, 2021 along the study corridor of Royal Palm Boulevard from University Drive to Riverside Drive. The team consisted of the following representatives:

Name	Agency
Mark Brown	Broward MPO
Brooke Peters	Coral Springs
Derek Fernandes	Coral Springs
Lei Cai	Broward County Traffic Engineering
Edil Pena	T.Y. Lin International
Dan D'Antonio	VHB

Prior to the field observations, the RSA team was provided with corridor existing conditions data related to crash history, geometrics, and surrounding land use patterns. The crash trends were compared to traffic and physical conditions to identify field factors potentially contributing to increased crash risk. In addition, maintenance issues were identified and are detailed later in this report.

The purpose of the qualitative assessment was to evaluate safety of the corridor while taking into consideration prevailing operating traffic conditions to identify areas where improvements would be potentially beneficial for safety and efficiency. Specific attention was paid to the interaction between vehicular and non-vehicular roadway users. Field photographs are attached in **Appendix A**.

Mobility and Safety:

General:

1. Directionality of traffic along the corridor appeared to be balanced throughout the day.

2. Drivers appeared to be traveling at or slightly above the posted speed limit during uncongested time periods. Several floating car runs were made to verify this statement.

At University Drive:

3. University Drive is a signalized intersection with concrete strain pole span wire configuration.
4. The eastbound approach consists of two left turn lanes, three through lanes, and an exclusive right turn lane. The third outside through lane is developed approximately 460 feet west of the intersection. The third outside receiving lane eastbound merges approximately 700 feet east of the intersection for a total through lane length of approximately 1,160 feet. Drivers were observed to use this lane as a queue jump to aggressively accelerate to bypass the inside through lane traffic and merge downstream.
5. The northbound and southbound approaches include four-foot bicycle lanes and adjacent six- to eight-foot sidewalks.
6. The northbound approach consists of two left turn lanes, two through lanes, and a shared through/right turn lane. The northbound approach consists of a horizontal curve that intersects Royal Palm Boulevard at the point of tangent. The curve appears to have a superelevation rate of approximately two percent.
7. The westbound approach consists of two left turn lanes, two through lanes, and an exclusive right turn lane.
8. The southbound approach consists of a left turn lane, two through lanes, and a shared through/right turn lane.
9. Protected only left turn phasing is provided for all approaches.
10. Signal backplates without retroreflective borders are provided on the east-west approaches. No backplates are provided on the north-south approaches. Two signal heads are provided for each through lane group. Two left turn signal heads are provided for the northbound left turn lane group. All other left turn lane groups have a single signal head. Florida standard is to provide one three-section signal head per left turn lane.
11. During the peak periods, queues were observed to extend in excess of 1/4-mile on all approaches. The longest queue length was in the northbound direction, which extend nearly to the adjacent intersection at NW 20th Street. Hard braking was observed on this approach as drivers navigated the horizontal curve toward the back of queue.

12. The northbound and southbound approaches experienced phase failures during the AM and PM peak hours when not all vehicles in the queue were able to clear the intersection during their respective phase.
13. The pavement condition and markings were observed to be in fair condition at the intersection of University Drive.

University Drive to NW 89th Drive:

14. A full median opening is provided at NW 91st Avenue and the Publix shopping center. The side streets are offset, which requires overlapping left turn paths as indicated in the figure. Several potential conflicts were observed at this location during the field review. Thirty-one crashes were reported at this location during the crash review period.
15. Pedestrians were observed crossing at unmarked and uncontrolled locations between the residential land use on the north side of Royal Palm Boulevard and the commercial land use on the south side of Royal Palm Boulevard.
16. Due to adjacent median openings, the turn lane lengths at median opening #1 are substandard and do not accommodate queued vehicles and decelerating vehicles.



NW 89th Drive to Riverside Drive:

17. Pedestrians were observed crossing at unmarked and uncontrolled locations to access bus stops and parks.
18. Few driveways exist on the north side of Royal Palm Boulevard. Of the four median openings within this segment, three were directional allowing westbound left turns and one was directional allowing eastbound left turns.
- 19.

Maintenance (Complete Corridor):

20. The pavement and markings were observed to be in fair to poor condition. Some areas showed wear, such as the right turn arrow in the adjacent graphic and other areas showed indication of previous pavement markings that were entirely missing. Pavement wear, such as cracking and rutting was observed.
21. Erosion caused by blocked drainage inlets was observed along the corridor in the non-curbed areas.



- 22. Maintenance concerns due to truck off-tracking were observed at the driveway Park Summit.
- 23. Detectable warning surfaces were incomplete in the southwest and northwest quadrants of the University Drive intersection
- 24. Pedestrian push buttons at University Drive do not meet standard for placement or sign type. This led to confusion by pedestrians regarding what button to push for which crossing. Pedestrians were observed pushing both buttons regardless of the desired crossing direction.



5.0 Recommendations

Based on the crash records, field observations of the corridor, and input from the multi-disciplinary RSA team, this study recommends the following:

1. University Drive Intersection
 - a. Provide one additional left turn signal for the E-W left turn lane. Reconstruct signal, as needed.
 - b. Provide advanced signing with flashing beacon on the northbound approach with message, "Prepare to Stop, When Flashing."
 - c. Restripe to eliminate third eastbound through lane and convert receiving lane to dedicated right turn lane. Reconstruct southeast curb return.
 - d. Resurface the intersection. Provide special emphasis crosswalks.
2. University Drive to NW 89th Drive
 - a. Convert the full median opening at NW 91st Avenue to a westbound left-in, right-in, right-out directional opening.
 - b. Install detectable warning surfaces and crosswalks at all driveways and cross streets.
3. NW 89th Drive to Riverside Drive
 - a. Provide a midblock pedestrian crossing and pedestrian hybrid beacon near Veterans Park.
 - b. Install a "No Left Turn/No U-Turn" sign in the eastbound direction at the median opening serving Park Summit Retirement Community.

A conceptual improvement diagram is attached as **Appendix C**. Construction cost estimates, benefit-cost analyses, and net present value analyses are attached as **Appendices D, E, and F**, respectively.

The project costs, benefit-cost ratios, and NPVs are summarized in the following tables.

Royal Palm Blvd. at University Dr.	
Project Cost Estimate	\$913,523.18
B-C Ratio (Benefit \$/Cost \$)	18.26
NPV	\$21,605,844

Royal Palm Blvd. from East of University Dr. to NW 89th Dr.	
Project Cost Estimate	\$42,286.65
B-C Ratio (Benefit \$/Cost \$)	56.05
NPV	\$3,184,734

Royal Palm Blvd. from NW 89th Dr. to Riverside Dr.	
Project Cost Estimate	\$249,451.18
B-C Ratio (Benefit \$/Cost \$)	N/A*
NPV	N/A*

*N/A – the improvements between NW 89th Dr. and Riverside Dr. are providing pedestrian safety infrastructure for crossing demand that was witnessed during field observations. This is a risk-based countermeasure. No historic crash trend exists so no B/C analysis can be conducted.

6.0 Feasibility Review

University Drive:

The proposed improvements can be constructed within the existing right of way. The existing back of sidewalk will remain unchanged, and the curb ramp areas are being increased in size which allows for greater flexibility for mast arm pole placement. Generally, a reduced roadway footprint is proposed by eliminating pavement areas that are unused or not used for the intended purpose.

Utilities appear to be dense aboveground and underground. Robust utility coordination will need to occur to ensure utilities are avoided or relocated. The curb returns in the northwest, southwest, and southeast quadrants will be moved further within the existing roadway where underground utilities are less likely to be placed. This should allow greater flexibility for placement of the proposed mast arm and pedestrian pole foundations.

One drainage modification is proposed. A curb inlet will need to be replaced along the eastbound travel way and pipe placed to connect the new inlet to the existing drainage system. This work appears to be feasible and is not expected to require work beyond what is included in the cost estimate.

University Drive to NW 89th Drive:

The proposed improvements can be constructed within the existing right of way with no impact to utilities. The nature of the improvements include work within the existing travel way with excavation shallower than 18 inches. Single post signs are proposed within medians or along the roadside.

The improvements will cause a change in traffic patterns for the Publix shopping center and neighborhood served by NW 91st Avenue. Left turn movements will no longer be allowed from the minor streets at Royal Palm Boulevard. Drivers can still access Royal Palm Boulevard for right turn movements and downstream. Residents of the neighborhoods accessible via NW 89th Drive have access to both Riverside Drive and N University Drive using other routes.

The final design task should include collection of traffic counts, estimated redistribution of traffic, and traffic analysis to ensure alternative intersections and turn lanes can accommodate any increases. Probe data providers, such as StreetLight, or BlueTooth® readers can be used to assist with the redistribution of traffic according to existing origin-destination patterns.

NW 89th Drive to Riverside Drive:

The proposed improvements can be constructed within the existing right of way. A dual arm mast arm is proposed within the median to support the pedestrian hybrid beacons. Utilities are unlikely within the median. Per the traffic engineering manual, a study should be conducted to fully support the recommended midblock crossing and pedestrian hybrid beacon. Data needs for this justification were not available at the time of this study.

The Candidate Project Feasibility Checklist for TSM&O/Safety Program Funds is provided in **Appendix G**.

7.0 Implementation Plan

The implementation plan presented below identifies the agency responsible for the implementation, the nature of the improvement with respect to near-term/long-term, and the associated costs. Near-term is considered within the next five years. Give the scope of improvements and magnitude, it is recommended that improvements at each location be constructed in their entirety and by a contractor.

Improvement	Responsible Agency	Agency with Roadway Jurisdiction	Near- or Long-Term	Cost
<p>1. Royal Palm Boulevard at University Drive</p> <p>a. Provide one additional left turn signal for the E-W left turn lane. Reconstruct signal, as needed.</p> <p>b. Provide advanced signing with flashing beacon on the northbound approach with message, "Prepare to Stop, When Flashing."</p> <p>c. Restripe to eliminate third eastbound through lane and convert receiving lane to dedicated right turn lane. Reconstruct southeast curb return.</p> <p>d. Resurface the intersection. Provide special emphasis crosswalks.</p>	FDOT	FDOT	Near-term	\$913,523.18

Improvement	Responsible Agency	Agency with Roadway Jurisdiction	Near- or Long-Term	Cost
<p>2. From University Drive to NW 89th Drive</p> <p>a. Convert the full median opening at NW 91st Avenue to a westbound left-in, right-in, right-out directional opening.</p> <p>b. Install detectable warning surfaces and crosswalks at all driveways and cross streets.</p>	Broward County or Coral Springs	Broward County	Near-Term or Maintenance	\$42,286.65
<p>3. NW 89th Drive to Riverside Drive</p> <p>a. Provide a midblock pedestrian crossing and pedestrian hybrid beacon near Veterans Park.</p> <p>b. Install a "No Left Turn/No U-Turn" sign in the eastbound direction at the median opening serving Park Summit Retirement Community.</p>	Broward County or Coral Springs	Broward County	Near-Term	\$249,451.18

Notes: If Coral Springs elects to champion the project within Royal Palm Boulevard right of way, permitting may be required with Broward County

Appendix A – Crash Summary

CRASH SUMMARY

MAJOR ROUTE: Royal Palm Drive
From University Drive **to** Riverside
STUDY PERIOD: 1/1/2015 **to** 8/29/2021

COUNTY: Broward

ENGINEER: MW

CRASH REF. NO.	HSMV NO.	DATE	DAY	TIME	Vehicle Type Involved	ALCOHOL / DRUGS	CRASH TYPE	FATAL	INJURY	INCAPACITATING	NON-INCAPACITATING	POSSIBLE INJURY	NON- TRAFFIC FATALITY	FATALITY WITHIN 30 DAYS	PROPERTY DAMAGE	LIGHTING CONDITION	PAVEMENT CONDITIONS	CONTRIBUTING CAUSE
1	84970483	1/7/2015	Wednesday	6:10 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	ALL OTHER
2	83407671	1/9/2015	Friday	11:23 AM	Motorized Vehicle	No	Left Turn	0	2	0	2	0	0	0	\$6,500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
3	84970558	1/15/2015	Thursday	2:36 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
4	84970578	1/18/2015	Sunday	5:34 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
5	84970639	1/26/2015	Monday	3:41 PM	Motorized Vehicle	No	Rear End	0	1	1	0	0	0	0	\$7,000	Daylight	Dry	CARELESS DRIVING
6	84970711	2/2/2015	Monday	6:29 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	CARELESS DRIVING
7	84970921	2/24/2015	Tuesday	7:59 PM	Motorized Vehicle	No	Sideswipe	0	1	1	0	0	0	0	\$4,000	Dark - Lighted	Dry	CARELESS DRIVING
8	84970980	3/3/2015	Tuesday	8:36 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	CARELESS DRIVING
9	84970995	3/4/2015	Wednesday	6:46 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
10	84971034	3/9/2015	Monday	6:26 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
11	84971113	3/16/2015	Monday	6:43 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
12	84971161	3/21/2015	Saturday	1:10 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
13	84971164	3/21/2015	Saturday	4:32 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
14	84971177	3/24/2015	Tuesday	1:22 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
15	84971269	4/2/2015	Thursday	12:55 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$200	Daylight	Dry	CARELESS DRIVING
16	84971356	4/6/2015	Monday	7:54 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
17	84971377	4/12/2015	Sunday	4:50 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,000	Dark - Lighted	Dry	IMPROPER TURN
18	84971488	4/23/2015	Thursday	10:25 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
19	83407829	5/2/2015	Saturday	8:01 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$10,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
20	83407844	5/10/2015	Sunday	11:57 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
21	84971691	5/14/2015	Thursday	3:41 PM	Motorized Vehicle	No	Rear End	0	2	0	0	2	0	0	\$2,500	Daylight	Dry	CARELESS DRIVING
22	83407863	6/20/2015	Saturday	1:05 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$10,500	Dark - Lighted	Dry	CARELESS DRIVING
23	85961167	7/9/2015	Thursday	9:51 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
24	83407895	7/10/2015	Friday	6:17 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
25	85961186	7/11/2015	Saturday	12:40 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$0	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
26	85961226	7/15/2015	Wednesday	12:53 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
27	85961442	8/9/2015	Sunday	12:33 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
28	85961478	8/13/2015	Thursday	12:34 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
29	85961489	8/14/2015	Friday	2:33 PM	Motorized Vehicle	No	Rear End	0	2	0	0	2	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
30	85961485	8/14/2015	Friday	7:06 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
31	85961508	8/17/2015	Monday	10:02 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Wet	FAILED TO YIELD RIGHT OF WAY
32	85961632	8/28/2015	Friday	2:23 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
33	85961636	8/28/2015	Friday	6:13 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$10	Daylight	Dry	IMPROPER LANE CHANGE
34	85961689	9/3/2015	Thursday	4:20 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
35	86113222	9/6/2015	Sunday	5:10 PM	Motorized Vehicle	No	Sideswipe	0	1	0	0	1	0	0	\$2,001	Daylight	Dry	CARELESS DRIVING
36	85961771	9/12/2015	Saturday	6:40 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$24,500	Dark - Lighted	Dry	IMPROPER LANE CHANGE
37	85961784	9/14/2015	Monday	7:56 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$0	Daylight	Dry	DISREGARDED STOP SIGN
38	85961797	9/16/2015	Wednesday	7:09 AM	Motorized Vehicle	No	Angle	0	1	0	1	0	0	0	\$30,000	Daylight	Wet	FAILED TO YIELD RIGHT OF WAY
39	86113229	9/20/2015	Sunday	5:43 AM	Motorized Vehicle	No	Angle	0	1	1	0	0	0	0	\$6,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
40	85961855	9/21/2015	Monday	7:15 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$8,000	Dark - Lighted	Dry	CARELESS DRIVING
41	85961932	9/29/2015	Tuesday	11:50 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
42	85961950	9/30/2015	Wednesday	5:39 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
43	85961952	10/1/2015	Thursday	4:41 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	CARELESS DRIVING
44	85962011	10/7/2015	Wednesday	8:13 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
45	85962435	11/17/2015	Tuesday	9:07 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	CARELESS DRIVING
46	85962433	11/17/2015	Tuesday	6:32 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$8,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
47	85962522	11/26/2015	Thursday	9:50 PM	Motorized Vehicle	No	Left Turn	0	2	0	0	2	0	0	\$20,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
48	85962527	11/27/2015	Friday	3:47 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
49	85962559	11/30/2015	Monday	5:47 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
50	85962581	12/3/2015	Thursday	1:42 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
51	85962587	12/3/2015	Thursday	6:16 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Wet	CARELESS DRIVING
52	85962647	12/9/2015	Wednesday	3:18 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
53	85962770	12/19/2015	Saturday	1:25 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
54	85962797	12/22/2015	Tuesday	11:33 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,300	Dark - Lighted	Wet	IMPROPER LANE CHANGE
55	85962795	12/22/2015	Tuesday	3:28 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
56	85962937	1/4/2016	Monday	1:24 PM	Motorized Vehicle	No	Left Turn	0	3	0	0	3	0	0	\$8,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
57	85962965	1/7/2016	Thursday	12:10 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
58	85963070	1/17/2016	Sunday	7:02 AM	Motorized Vehicle	No	Left Turn	0	3	0	3	0	0	0	\$10,000	Dawn	Wet	DISREGARDED TRAFFIC SIGNAL
59	85963102	1/20/2016	Wednesday	7:23 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	IMPROPER LANE CHANGE
60	85963203	1/30/2016	Saturday	12:38 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
61	85963298	2/9/2016	Tuesday	11:54 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
62	85963719	3/12/2016	Saturday	12:17 PM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$400	Daylight	Dry	CARELESS DRIVING
63	85963745	3/14/2016	Monday	2:34 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
64	85963778	3/17/2016	Thursday	12:28 PM	Bicyclists	No	Bicycle	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
65	85963790	3/18/2016	Friday	9:52 AM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	ALL OTHER
66	85963801	3/18/2016	Friday	4:59 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
67	85963880	3/26/2016	Saturday	9:10 AM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$200	Daylight	Dry	CARELESS DRIVING
68	85963959	4/1/2016	Friday	8:51 AM	Motorized Vehicle	No	Rear End	0	1	1	0	0	0	0	\$12,500	Daylight	Dry	CARELESS DRIVING
69	85963978	4/2/2016	Saturday	5:28 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
70	85964012	4/5/2016	Tuesday	7:27 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
71	85964020	4/6/2016	Wednesday	3:50 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	CARELESS DRIVING
72	85964034	4/7/2016	Thursday	7:53 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$10,500	Dark - Lighted	Dry	DRIVER DISTRACTION
73	85964212	4/22/2016	Friday	7:40 AM	Motorized Vehicle	No	Left Turn	0	1	0	0	1	0	0	\$8,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
74	85964259	4/26/2016	Tuesday	1:20 PM	Motorized Vehicle	No	Left Turn	0	1	1	0	0	0	0	\$12,500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
75	85964398	5/7/2016	Saturday	10:57 AM	Motorized Vehicle	No	Rear End	0	1	1	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
76	85964504	5/15/2016	Sunday	8:50 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
77	85964513	5/16/2016	Monday	4:12 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	IMPROPER LANE CHANGE
78	85964551	5/19/2016	Thursday	2:46 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$5,000	Daylight	Dry	CARELESS DRIVING
79	85964616	5/25/2016	Wednesday	5:12 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
80	85964644	5/26/2016	Thursday	5:08 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
81	85964684	5/28/2016	Saturday															

CRASH REF. NO.	HSMV NO.	DATE	DAY	TIME	Vehicle Type Involved	ALCOHOL / DRUGS	CRASH TYPE	FATAL	INJURY	INCAPACITATING	NON-INCAPACITATING	POSSIBLE INJURY	NON- TRAFFIC FATALITY	FATALITY WITHIN 30 DAYS	PROPERTY DAMAGE	LIGHTING CONDITION	PAVEMENT CONDITIONS	CONTRIBUTING CAUSE
85	85964776	6/3/2016	Friday	3:45 PM	Motorized Vehicle	No	Right Turn	0	2	0	0	2	0	0	\$10,000	Daylight	Dry	DISREGARDED STOP SIGN
86	85964987	6/17/2016	Friday	7:23 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$22,500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
87	85964958	6/20/2016	Monday	5:09 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
88	85964985	6/23/2016	Thursday	2:25 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$10,500	Daylight	Wet	FAILED TO MAINTAIN VEHICLE
89	85965262	7/19/2016	Tuesday	11:59 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
90	85965292	7/19/2016	Tuesday	3:58 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$0	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
91	85965346	7/27/2016	Wednesday	3:48 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
92	85965424	8/3/2016	Wednesday	9:02 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$10,000	Daylight	Wet	CARELESS DRIVING
93	86385254	8/9/2016	Tuesday	6:00 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	IMPROPER LANE CHANGE
94	86742461	9/8/2016	Thursday	3:50 PM	Motorized Vehicle	No	Head On	0	1	0	1	0	0	0	\$2,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
95	86742464	9/8/2016	Thursday	7:13 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	IMPROPER LANE CHANGE
96	86742491	9/9/2016	Friday	6:08 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
97	86742490	9/10/2016	Saturday	7:55 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,500	Dusk	Dry	DISREGARDED TRAFFIC SIGNAL
98	86742604	9/19/2016	Monday	6:40 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,000	Daylight	Wet	CARELESS DRIVING
99	86742609	9/20/2016	Tuesday	6:30 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Dark - Lighted	Wet	IMPROPER LANE CHANGE
100	86742766	10/2/2016	Sunday	4:08 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
101	86742778	10/3/2016	Monday	7:29 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$0	Dark - Lighted	Wet	FAILED TO YIELD RIGHT OF WAY
102	86742905	10/13/2016	Thursday	8:59 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dark - Lighted	Dry	CARELESS DRIVING
103	86743103	10/31/2016	Monday	6:05 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Dusk	Dry	CARELESS DRIVING
104	86743255	11/13/2016	Sunday	11:55 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
105	86743417	11/26/2016	Saturday	11:53 AM	Motorized Vehicle	No	Angle	0	1	0	0	1	0	0	\$20,000	Daylight	Dry	DISREGARDED STOP SIGN
106	86743437	11/29/2016	Tuesday	7:33 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
107	86743464	12/1/2016	Thursday	12:20 PM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
108	86743503	12/5/2016	Monday	3:39 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
109	86795314	12/16/2016	Friday	3:33 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
110	86795430	12/23/2016	Friday	5:38 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Dark - Lighted	Dry	CARELESS DRIVING
111	86795570	1/4/2017	Wednesday	4:51 PM	Motorized Vehicle	No	Rollover	0	2	0	0	2	0	0	\$20,000	Daylight	Wet	FOLLOWED TOO CLOSELY
112	86795564	1/4/2017	Wednesday	3:56 PM	Motorized Vehicle	No	Rollover	0	0	0	0	0	0	0	\$20,000	Daylight	Wet	CARELESS DRIVING
113	86795743	1/20/2017	Friday	6:55 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,500	Dark - Lighted	Dry	CARELESS DRIVING
114	86795738	1/20/2017	Friday	2:12 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
115	86795742	1/20/2017	Friday	4:40 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	IMPROPER LANE CHANGE
116	86795818	1/27/2017	Friday	6:30 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,000	Dark - Lighted	Dry	IMPROPER LANE CHANGE
117	86795813	1/27/2017	Friday	11:50 AM	Bicyclists	No	Other	0	1	0	1	0	0	0	\$300	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
118	86795820	1/28/2017	Saturday	11:51 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$600	Daylight	Dry	CARELESS DRIVING
119	86795843	1/31/2017	Tuesday	1:22 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	IMPROPER LANE CHANGE
120	86795854	2/1/2017	Wednesday	2:05 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
121	86795934	2/7/2017	Tuesday	10:00 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Dark - Lighted	Dry	IMPROPER LANE CHANGE
122	86795989	2/13/2017	Monday	1:10 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	IMPROPER TURN
123	86796041	2/17/2017	Friday	6:38 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$20,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
124	86796042	2/17/2017	Friday	6:36 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Dark - Lighted	Dry	FOLLOWED TOO CLOSELY
125	86796158	2/27/2017	Monday	2:41 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
126	86796150	2/27/2017	Monday	9:04 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	IMPROPER LANE CHANGE
127	86796195	3/2/2017	Thursday	2:13 PM	Motorized Vehicle	No	Rear End	0	2	0	0	2	0	0	\$0	Daylight	Dry	CARELESS DRIVING
128	86796355	3/15/2017	Wednesday	8:16 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,500	Dusk	Dry	CARELESS DRIVING
129	86796431	3/19/2017	Sunday	1:26 PM	Bicyclists	No	Bicycle	0	1	0	0	1	0	0	\$50	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
130	86796555	4/1/2017	Saturday	6:09 AM	Motorized Vehicle	Yes	Other	0	1	0	0	0	0	0	\$21,000	Dark - Lighted	Dry	CARELESS DRIVING
131	86796597	4/5/2017	Wednesday	2:28 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,300	Daylight	Dry	CARELESS DRIVING
132	86796593	4/5/2017	Wednesday	10:25 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	IMPROPER LANE CHANGE
133	86796653	4/7/2017	Friday	6:55 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$5,000	Dusk	Dry	CARELESS DRIVING
134	86796651	4/9/2017	Sunday	5:13 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$800	Daylight	Dry	CARELESS DRIVING
135	86796743	4/19/2017	Wednesday	1:47 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,600	Daylight	Dry	CARELESS DRIVING
136	86796838	4/29/2017	Saturday	4:02 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,000	Daylight	Dry	CARELESS DRIVING
137	86796836	4/29/2017	Saturday	3:09 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$25,000	Daylight	Dry	FOLLOWED TOO CLOSELY
138	86796855	5/1/2017	Monday	3:13 PM	Motorized Vehicle	No	Rear End	0	2	0	0	2	0	0	\$200	Daylight	Dry	CARELESS DRIVING
139	86796853	5/1/2017	Monday	2:49 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$600	Daylight	Dry	CARELESS DRIVING
140	86796930	5/8/2017	Monday	6:56 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
141	86797008	5/13/2017	Saturday	11:08 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
142	86797014	5/13/2017	Saturday	3:46 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
143	86797124	5/22/2017	Monday	6:51 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$100	Daylight	Dry	IMPROPER LANE CHANGE
144	86797239	6/2/2017	Friday	1:31 PM	Motorized Vehicle	No	Rear End	0	1	0	1	0	0	0	\$4,000	Daylight	Dry	CARELESS DRIVING
145	86797264	6/4/2017	Sunday	1:57 AM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$2,000	Dark - Lighted	Dry	DISREGARDED TRAFFIC SIGNAL
146	86797311	6/8/2017	Thursday	11:44 AM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
147	86797317	6/8/2017	Thursday	7:53 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,750	Dusk	Dry	CARELESS DRIVING
148	86797375	6/12/2017	Monday	7:46 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$100	Dusk	Dry	CARELESS DRIVING
149	86797411	6/16/2017	Friday	9:05 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$500	Daylight	Dry	CARELESS DRIVING
150	86797470	6/21/2017	Wednesday	7:51 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$400	Dusk	Dry	CARELESS DRIVING
151	86797557	6/29/2017	Thursday	3:57 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
152	86797593	7/3/2017	Monday	11:53 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$500	Daylight	Dry	CARELESS DRIVING
153	86797655	7/10/2017	Monday	11:21 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$5,000	Daylight	Dry	CARELESS DRIVING
154	86797675	7/11/2017	Tuesday	6:06 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$8,000	Daylight	Dry	CARELESS DRIVING
155	86797745	7/18/2017	Tuesday	6:00 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,300	Daylight	Wet	CARELESS DRIVING
156	86797758	7/19/2017	Wednesday	9:52 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Dark - Lighted	Wet	CARELESS DRIVING
157	86797870	7/30/2017	Sunday	5:47 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	IMPROPER LANE CHANGE
158	86797966	8/7/2017	Monday	6:58 PM	Motorized Vehicle	No	Head On	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
159	86797984	8/9/2017	Wednesday	2:35 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
160	86798062	8/16/2017	Wednesday	8:37 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,000	Dark - Lighted	Dry	IMPROPER LANE CHANGE
161	86798114	8/20/2017	Sunday	2:20 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
162	86798129	8/21/2017	Monday	6:46 PM	Motorized Vehicle	No	Bicycle	0	2	0	0	2	0	0	\$650	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
163	86798147	8/23/2017	Wednesday	8:31 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$800	Daylight	Dry	CARELESS DRIVING
164	86743790	9/17/2017	Sunday	11:21 AM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$25,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
165	86743829	9/21/2017	Thursday	12:17 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,000			

CRASH REF. NO.	HSMV NO.	DATE	DAY	TIME	Vehicle Type Involved	ALCOHOL / DRUGS	CRASH TYPE	FATAL	INJURY	INCAPACITATING	NON-INCAPACITATING	POSSIBLE INJURY	NON- TRAFFIC FATALITY	FATALITY WITHIN 30 DAYS	PROPERTY DAMAGE	LIGHTING CONDITION	PAVEMENT CONDITIONS	CONTRIBUTING CAUSE
180	86744557	11/22/2017	Wednesday	5:55 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,500	Dark - Lighted	Dry	IMPROPER LANE CHANGE
181	86744574	11/24/2017	Friday	5:23 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,900	Daylight	Dry	CARELESS DRIVING
182	86744810	12/13/2017	Wednesday	2:55 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	CARELESS DRIVING
183	86744973	12/23/2017	Saturday	3:40 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$300	Daylight	Dry	CARELESS DRIVING
184	86745114	1/6/2018	Saturday	1:10 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
185	86745125	1/7/2018	Sunday	10:56 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,250	Daylight	Dry	IMPROPER TURN
186	86745124	1/7/2018	Sunday	8:20 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
187	86745132	1/8/2018	Monday	9:47 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$800	Daylight	Dry	IMPROPER LANE CHANGE
188	86745136	1/8/2018	Monday	2:43 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,000	Daylight	Wet	DISREGARDED STOP SIGN
189	86745161	1/10/2018	Wednesday	7:17 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,600	Dawn	Wet	CARELESS DRIVING
190	86745300	1/23/2018	Tuesday	7:05 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	CARELESS DRIVING
191	87556311	1/28/2018	Sunday	9:00 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$500	Daylight	Dry	IMPROPER LANE CHANGE
192	87556349	1/30/2018	Tuesday	4:07 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
193	87556400	2/2/2018	Friday	7:14 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$7,000	Dark - Lighted	Dry	CARELESS DRIVING
194	87556407	2/4/2018	Sunday	7:50 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$100	Daylight	Dry	CARELESS DRIVING
195	87556421	2/6/2018	Tuesday	7:18 AM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$10,750	Daylight	Dry	IMPROPER LANE CHANGE
196	87556438	2/7/2018	Wednesday	1:57 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$13,000	Daylight	Dry	CARELESS DRIVING
197	87556638	2/21/2018	Wednesday	8:32 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,500	Dark - Lighted	Dry	DISREGARDED STOP SIGN
198	87556712	2/28/2018	Wednesday	10:17 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
199	87556720	3/1/2018	Thursday	4:24 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$200	Daylight	Dry	CARELESS DRIVING
200	87556733	3/2/2018	Friday	3:49 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$3,500	Daylight	Dry	IMPROPER LANE CHANGE
201	87556838	3/13/2018	Tuesday	1:55 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,700	Daylight	Dry	FOLLOWED TOO CLOSELY
202	87556894	3/17/2018	Saturday	4:34 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,500	Daylight	Dry	CARELESS DRIVING
203	87556882	3/17/2018	Saturday	8:20 AM	Motorized Vehicle	No	Rear End	0	0	0	0	1	0	0	\$1,100	Daylight	Dry	CARELESS DRIVING
204	87556893	3/17/2018	Saturday	4:01 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$8,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
205	87556933	3/20/2018	Tuesday	5:48 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
206	87556965	3/22/2018	Thursday	7:00 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,550	Dark - Lighted	Dry	CARELESS DRIVING
207	87556974	3/23/2018	Friday	10:09 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$750	Dark - Lighted	Dry	CARELESS DRIVING
208	87557010	3/28/2018	Wednesday	6:52 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	CARELESS DRIVING
209	87557015	3/29/2018	Thursday	5:06 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	IMPROPER LANE CHANGE
210	87557057	4/2/2018	Monday	2:42 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	CARELESS DRIVING
211	87557083	4/4/2018	Wednesday	12:39 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,200	Daylight	Dry	IMPROPER LANE CHANGE
212	87557081	4/4/2018	Wednesday	11:19 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
213	87557084	4/4/2018	Wednesday	11:43 AM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$600	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
214	87557123	4/7/2018	Saturday	7:26 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$3,000	Dark - Lighted	Dry	CARELESS DRIVING
215	87557181	4/12/2018	Thursday	2:45 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
216	87557211	4/15/2018	Sunday	1:35 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	CARELESS DRIVING
217	87557225	4/16/2018	Monday	5:30 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$10,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
218	87557283	4/20/2018	Friday	5:13 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$3,500	Daylight	Dry	IMPROPER LANE CHANGE
219	87557304	4/22/2018	Sunday	1:30 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,000	Daylight	Wet	CARELESS DRIVING
220	87557352	4/26/2018	Thursday	8:47 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	CARELESS DRIVING
221	87557375	4/28/2018	Saturday	11:39 AM	Motorized Vehicle	No	Off Road	0	0	0	0	0	0	0	\$7,800	Daylight	Dry	FAILED TO MAINTAIN VEHICLE
222	87557405	5/1/2018	Tuesday	7:56 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,500	Daylight	Dry	CARELESS DRIVING
223	87557485	5/7/2018	Monday	6:53 PM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$1,750	Daylight	Dry	CARELESS DRIVING
224	87557556	5/15/2018	Tuesday	11:56 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
225	87557721	5/29/2018	Tuesday	8:31 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$7,000	Daylight	Wet	CARELESS DRIVING
226	87557735	5/29/2018	Tuesday	7:06 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
227	87557882	6/13/2018	Wednesday	4:09 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
228	87557955	6/21/2018	Thursday	12:35 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	IMPROPER LANE CHANGE
229	87558036	6/29/2018	Friday	9:42 AM	Motorized Vehicle	No	Rear End	0	2	0	0	2	0	0	\$14,500	Daylight	Dry	CARELESS DRIVING
230	87558393	8/4/2018	Saturday	1:18 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$21,850	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
231	87558425	8/7/2018	Tuesday	11:55 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,000	Daylight	Dry	CARELESS DRIVING
232	87558424	8/7/2018	Tuesday	11:47 AM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$10,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
233	87558484	8/11/2018	Saturday	10:03 PM	Pedestrians	No	Pedestrian	0	1	0	0	1	0	0	\$0	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
234	87558554	8/18/2018	Saturday	10:48 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,000	Daylight	Wet	IMPROPER LANE CHANGE
235	87558581	8/21/2018	Tuesday	7:29 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
236	87558598	8/21/2018	Tuesday	10:43 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Dark - Lighted	Dry	CARELESS DRIVING
237	87558589	8/21/2018	Tuesday	4:10 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
238	87558733	9/2/2018	Sunday	12:44 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,000	Daylight	Wet	CARELESS DRIVING
239	87558761	9/4/2018	Tuesday	6:00 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
240	87558755	9/4/2018	Tuesday	12:18 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
241	87559003	9/26/2018	Wednesday	8:22 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	CARELESS DRIVING
242	87559024	9/28/2018	Friday	4:36 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,700	Daylight	Dry	CARELESS DRIVING
243	87559176	10/9/2018	Tuesday	5:55 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$6,000	Daylight	Dry	CARELESS DRIVING
244	87559201	10/12/2018	Friday	12:07 PM	Motorized Vehicle	No	Left Turn	0	1	0	0	1	0	0	\$8,000	Daylight	Wet	CARELESS DRIVING
245	87559246	10/16/2018	Tuesday	3:42 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$300	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
246	87559252	10/16/2018	Tuesday	7:59 PM	Motorized Vehicle	No	Rear End	0	2	0	0	2	0	0	\$6,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
247	87914382	10/19/2018	Friday	8:52 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	IMPROPER BACKING
248	87914395	10/20/2018	Saturday	10:27 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$100	Daylight	Dry	CARELESS DRIVING
249	87914439	10/23/2018	Tuesday	10:05 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$650	Dark - Lighted	Dry	CARELESS DRIVING
250	87914490	10/26/2018	Friday	6:23 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
251	87914500	10/28/2018	Sunday	5:01 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	2	0	0	\$2,500	Daylight	Dry	IMPROPER TURN
252	87914579	11/4/2018	Sunday	5:33 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$13,000	Dusk	Dry	FAILED TO YIELD RIGHT OF WAY
253	87914627	11/9/2018	Friday	7:38 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$5,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
254	87914646	11/10/2018	Saturday	1:41 PM	Motorized Vehicle	No	Other	0	1	0	0	1	0	0	\$4,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
255	87914683	11/13/2018	Tuesday	12:42 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$5,000	Daylight	Dry	IMPROPER LANE CHANGE
256	87914760	11/19/2018	Monday	10:50 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
257	87914895	12/1/2018	Saturday	6:19 PM	Motorized Vehicle	No	Other	0	3	0	0	3	0	0	\$11,500	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
258	87914949	12/6/2018	Thursday	4:55 PM	Motorized Vehicle	No	Left Turn	0	1	0	0	1	0	0	\$7,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
259	87915014	12/11/2018	Tuesday	7:29 PM	Motorized Vehicle	No	Left Turn	0	1	0	0	1	0	0	\$10,000	Dark - Lighted	Dry	DISREGARDED STOP SIGN
260	87915131	12/18/2018	Tuesday															

CRASH REF. NO.	HSMV NO.	DATE	DAY	TIME	Vehicle Type Involved	ALCOHOL / DRUGS	CRASH TYPE	FATAL	INJURY	INCAPACITATING	NON-INCAPACITATING	POSSIBLE INJURY	NON- TRAFFIC FATALITY	FATALITY WITHIN 30 DAYS	PROPERTY DAMAGE	LIGHTING CONDITION	PAVEMENT CONDITIONS	CONTRIBUTING CAUSE
275	87916023	3/7/2019	Thursday	4:55 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$600	Daylight	Dry	CARELESS DRIVING
276	87916029	3/8/2019	Friday	10:45 AM	Motorized Vehicle	No	Rear End	0	2	0	0	0	0	0	\$5,000	Daylight	Wet	CARELESS DRIVING
277	87916060	3/11/2019	Monday	2:54 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$4,500	Daylight	Dry	IMPROPER LANE CHANGE
278	87916197	3/21/2019	Thursday	7:48 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
279	87916234	3/24/2019	Sunday	2:44 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$7,500	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
280	87916236	3/24/2019	Sunday	10:31 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	IMPROPER LANE CHANGE
281	87916235	3/24/2019	Sunday	5:16 AM	Motorized Vehicle	No	Off Road	0	0	0	0	0	0	0	\$500	Dark - Not Lighted	Dry	FAILED TO MAINTAIN VEHICLE
282	87916250	3/25/2019	Monday	3:42 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$750	Daylight	Dry	CARELESS DRIVING
283	87916377	4/6/2019	Saturday	2:27 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$650	Daylight	Dry	IMPROPER LANE CHANGE
284	87916593	4/23/2019	Tuesday	8:17 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	FOLLOWED TOO CLOSELY
285	87916652	4/30/2019	Tuesday	7:18 AM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$8,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
286	87916703	5/3/2019	Friday	7:27 PM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$10,500	Dark - Lighted	Wet	CARELESS DRIVING
287	87916801	5/10/2019	Friday	10:41 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
288	87916814	5/11/2019	Saturday	7:27 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$16,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
289	87916917	5/17/2019	Friday	6:46 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,500	Daylight	Dry	CARELESS DRIVING
290	87917139	5/28/2019	Tuesday	7:44 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	IMPROPER LANE CHANGE
291	87917056	5/30/2019	Thursday	12:07 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$7,500	Daylight	Dry	CARELESS DRIVING
292	87917088	6/1/2019	Saturday	12:58 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
293	87917105	6/2/2019	Sunday	11:11 AM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
294	87917122	6/3/2019	Monday	2:44 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$500	Daylight	Dry	CARELESS DRIVING
295	87917197	6/11/2019	Tuesday	12:07 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$250	Daylight	Dry	CARELESS DRIVING
296	87917243	6/14/2019	Friday	7:18 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$8,000	Daylight	Dry	DISREGARDED STOP SIGN
297	87917272	6/17/2019	Monday	2:31 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$4,500	Daylight	Wet	IMPROPER LANE CHANGE
298	87917293	6/19/2019	Wednesday	10:43 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$500	Daylight	Dry	CARELESS DRIVING
299	87917373	6/26/2019	Wednesday	3:34 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	CARELESS DRIVING
300	87917452	7/3/2019	Wednesday	10:58 AM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$200	Daylight	Dry	IMPROPER TURN
301	87917465	7/4/2019	Thursday	11:19 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$2,200	Daylight	Dry	FOLLOWED TOO CLOSELY
302	87917521	7/10/2019	Wednesday	12:46 PM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$500	Daylight	Dry	FOLLOWED TOO CLOSELY
303	87917640	7/23/2019	Tuesday	10:28 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
304	87917694	7/28/2019	Sunday	2:50 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Wet	CARELESS DRIVING
305	87917704	7/30/2019	Tuesday	10:20 AM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	IMPROPER LANE CHANGE
306	87917755	8/3/2019	Saturday	4:08 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Wet	CARELESS DRIVING
307	87917815	8/8/2019	Thursday	4:40 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,250	Daylight	Dry	CARELESS DRIVING
308	87918165	9/6/2019	Friday	10:01 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$1,800	Daylight	Dry	IMPROPER LANE CHANGE
309	87918216	9/9/2019	Monday	5:55 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	IMPROPER LANE CHANGE
310	87918385	9/25/2019	Wednesday	8:00 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,500	Daylight	Dry	CARELESS DRIVING
311	87918420	9/27/2019	Friday	2:21 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
312	87918509	10/3/2019	Thursday	7:58 AM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
313	87918523	10/4/2019	Friday	10:14 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
314	87918695	10/19/2019	Saturday	3:47 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$5,350	Daylight	Dry	CARELESS DRIVING
315	87918700	10/20/2019	Sunday	2:59 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	ALL OTHER
316	87918841	10/31/2019	Thursday	5:38 PM	Motorized Vehicle	No	Angle	0	1	0	0	1	0	0	\$2,000	Daylight	Dry	IMPROPER LANE CHANGE
317	87918865	11/3/2019	Sunday	10:09 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	FAILED TO MAINTAIN VEHICLE
318	87918975	11/11/2019	Monday	12:35 PM	Motorized Vehicle	No	Angle	0	1	1	0	0	0	0	\$6,000	Daylight	Dry	CARELESS DRIVING
319	87919059	11/20/2019	Wednesday	11:53 AM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$6,000	Daylight	Dry	IMPROPER TURN
320	87919083	11/21/2019	Thursday	3:52 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$6,500	Daylight	Dry	CARELESS DRIVING
321	87919277	12/6/2019	Friday	4:31 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$8,000	Daylight	Dry	CARELESS DRIVING
322	88698824	12/14/2019	Saturday	7:05 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$500	Dark - Lighted	Dry	CARELESS DRIVING
323	88698815	12/14/2019	Saturday	12:41 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$12,000	Daylight	Dry	DISREGARDED STOP SIGN
324	88698852	12/17/2019	Tuesday	9:58 AM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$1,250	Daylight	Dry	CARELESS DRIVING
325	88699049	1/2/2020	Thursday	12:23 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$6,000	Daylight	Dry	CARELESS DRIVING
326	88699084	1/6/2020	Monday	1:56 PM	Motorized Vehicle	No	Sideswipe	0	1	0	0	1	0	0	\$11,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
327	88699092	1/7/2020	Tuesday	7:46 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
328	88699128	1/10/2020	Friday	5:45 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,050	Dark - Lighted	Wet	CARELESS DRIVING
329	88699145	1/12/2020	Sunday	11:07 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,250	Daylight	Dry	FOLLOWED TOO CLOSELY
330	88699361	1/31/2020	Friday	9:21 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$12,000	Dark - Lighted	Wet	CARELESS DRIVING
331	88699533	2/14/2020	Friday	5:15 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,500	Daylight	Dry	FOLLOWED TOO CLOSELY
332	88699542	2/15/2020	Saturday	2:56 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,500	Daylight	Wet	CARELESS DRIVING
333	88699570	2/17/2020	Monday	6:41 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Dark - Lighted	Dry	CARELESS DRIVING
334	88699640	2/22/2020	Saturday	9:30 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$1,500	Dark - Lighted	Wet	IMPROPER LANE CHANGE
335	88699665	2/25/2020	Tuesday	5:16 PM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$500	Daylight	Dry	CARELESS DRIVING
336	88699717	2/29/2020	Saturday	8:50 PM	Motorized Vehicle	No	Pedestrian	0	2	0	0	2	0	0	\$3,500	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
337	88699733	3/2/2020	Monday	1:59 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	CARELESS DRIVING
338	88699855	3/14/2020	Saturday	11:53 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$1,750	Daylight	Dry	IMPROPER TURN
339	88699922	3/20/2020	Friday	7:54 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$7,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
340	88699937	3/25/2020	Wednesday	9:53 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$0	Daylight	Dry	CARELESS DRIVING
341	88699944	3/26/2020	Thursday	1:59 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$40,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
342	88700130	5/6/2020	Wednesday	5:20 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
343	88700182	5/12/2020	Tuesday	3:55 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$400	Daylight	Dry	CARELESS DRIVING
344	88700186	5/13/2020	Wednesday	10:59 AM	Motorized Vehicle	No	Off Road	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	FAILED TO MAINTAIN VEHICLE
345	88700222	5/18/2020	Monday	1:33 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$4,500	Daylight	Dry	FAILED TO MAINTAIN VEHICLE
346	88700246	5/22/2020	Friday	1:06 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	IMPROPER BACKING
347	88700248	5/22/2020	Friday	2:45 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	FAILED TO MAINTAIN VEHICLE
348	88700259	5/24/2020	Sunday	4:25 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Wet	CARELESS DRIVING
349	88700273	5/27/2020	Wednesday	10:14 AM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
350	88700286	5/28/2020	Thursday	5:19 PM	Motorized Vehicle	No	Head On	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
351	88700358	6/8/2020	Monday	8:59 AM	Motorized Vehicle	No	Left Turn	0	2	0	0	2	0	0	\$16,300	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
352	88700533	7/1/2020	Wednesday	9:33 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$2,000	Dark - Lighted	Dry	ALL OTHER
353	88700555	7/4/2020	Saturday	11:53 AM	Motorized Vehicle	No	Rear End	0	2	0	0	2	0	0	\$6,000	Daylight	Dry	CARELESS DRIVING
354	88700577	7/7/2020	Tuesday	7:27 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$15,000	Daylight	Dry	CARELESS DRIVING
355	88700666	7/21/2020	Tuesday	9:38 AM	Motor													

CRASH REF. NO.	HSMV NO.	DATE	DAY	TIME	Vehicle Type Involved	ALCOHOL / DRUGS	CRASH TYPE	FATAL	INJURY	INCAPACITATING	NON-INCAPACITATING	POSSIBLE INJURY	NON- TRAFFIC FATALITY	FATALITY WITHIN 30 DAYS	PROPERTY DAMAGE	LIGHTING CONDITION	PAVEMENT CONDITIONS	CONTRIBUTING CAUSE
370	88701608	11/13/2020	Friday	1:58 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	CARELESS DRIVING
371	88701666	11/19/2020	Thursday	11:48 PM	Motorized Vehicle	No	Left Turn	0	1	0	0	1	0	0	\$4,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
372	88701763	12/1/2020	Tuesday	8:46 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$7,000	Daylight	Dry	DISREGARDED TRAFFIC SIGNAL
373	88701785	12/2/2020	Wednesday	2:19 PM	Pedestrians	No	Pedestrian	0	1	0	0	1	0	0	\$0	Daylight	Dry	IMPROPER LANE CHANGE
374	89992024	12/8/2020	Tuesday	4:11 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
375	89992046	12/10/2020	Thursday	1:34 PM	Motorized Vehicle	No	Other	0	0	0	0	0	0	0	\$4,500	Daylight	Dry	DISREGARDED STOP SIGN
376	89992406	1/13/2021	Wednesday	6:05 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,500	Dark - Lighted	Wet	CARELESS DRIVING
377	89992674	2/9/2021	Tuesday	11:00 AM	Motorized Vehicle	No	Rear End	0	1	0	0	1	0	0	\$4,000	Daylight	Dry	FOLLOWED TOO CLOSELY
378	89992682	2/11/2021	Thursday	4:26 PM	Motorized Vehicle	No	Off Road	0	0	0	0	0	0	0	\$800	Daylight	Dry	ALL OTHER
379	89992701	2/13/2021	Saturday	2:09 AM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$8,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
380	89992756	2/19/2021	Friday	1:02 PM	Motorized Vehicle	No	Sideswipe	0	2	0	2	0	0	0	\$3,000	Daylight	Dry	IMPROPER LANE CHANGE
381	89992804	2/24/2021	Wednesday	8:45 PM	Motorized Vehicle	No	Off Road	0	0	0	0	0	0	0	\$10,200	Dark - Lighted	Wet	FAILED TO MAINTAIN VEHICLE
382	89992929	3/9/2021	Tuesday	12:51 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,250	Daylight	Dry	FOLLOWED TOO CLOSELY
383	89992996	3/15/2021	Monday	2:24 PM	Motorized Vehicle	No	Rear End	0	2	0	2	0	0	0	\$1,500	Daylight	Dry	FOLLOWED TOO CLOSELY
384	89993090	3/26/2021	Friday	10:54 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
385	89993088	3/27/2021	Saturday	3:43 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	CARELESS DRIVING
386	89993119	3/30/2021	Tuesday	6:35 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	CARELESS DRIVING
387	89993164	4/3/2021	Saturday	4:18 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$3,000	Daylight	Dry	FOLLOWED TOO CLOSELY
388	89993170	4/4/2021	Sunday	1:51 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$3,600	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
389	89993185	4/6/2021	Tuesday	8:55 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	CARELESS DRIVING
390	89993237	4/11/2021	Sunday	10:56 AM	Motorized Vehicle	No	Other	0	1	0	0	1	0	0	\$12,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
391	89993257	4/13/2021	Tuesday	2:44 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$100	Daylight	Dry	CARELESS DRIVING
392	89993289	4/17/2021	Saturday	12:04 PM	Motorized Vehicle	No	Unknown	0	0	0	0	0	0	0	\$2,500	Daylight	Dry	IMPROPER LANE CHANGE
393	89993318	4/19/2021	Monday	12:48 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$12,000	Daylight	Dry	CARELESS DRIVING
394	89993372	4/24/2021	Saturday	12:16 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$4,500	Daylight	Dry	IMPROPER LANE CHANGE
395	89993398	4/27/2021	Tuesday	3:11 PM	Motorized Vehicle	No	Left Turn	0	1	0	0	1	0	0	\$5,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
396	89993416	4/28/2021	Wednesday	7:19 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$200	Daylight	Dry	FOLLOWED TOO CLOSELY
397	89993446	5/1/2021	Saturday	12:15 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	FOLLOWED TOO CLOSELY
398	89993462	5/3/2021	Monday	7:37 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	CARELESS DRIVING
399	89993490	5/5/2021	Wednesday	4:38 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,000	Daylight	Dry	FOLLOWED TOO CLOSELY
400	89993671	5/24/2021	Monday	12:41 PM	Motorized Vehicle	No	Rear End	0	3	0	0	3	0	0	\$6,000	Daylight	Dry	IMPROPER LANE CHANGE
401	89993678	5/25/2021	Tuesday	7:48 AM	Motorized Vehicle	No	Sideswipe	0	2	0	0	2	0	0	\$4,500	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
402	89993805	6/4/2021	Friday	9:41 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$800	Dark - Lighted	Dry	FAILED TO MAINTAIN VEHICLE
403	89993871	6/10/2021	Thursday	3:54 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$5,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
404	89993885	6/11/2021	Friday	6:46 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$9,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
405	89993887	6/11/2021	Friday	9:27 PM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$11,000	Dark - Lighted	Dry	FAILED TO YIELD RIGHT OF WAY
406	89993905	6/14/2021	Monday	12:51 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,000	Daylight	Wet	FOLLOWED TOO CLOSELY
407	89993923	6/15/2021	Tuesday	5:07 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,500	Daylight	Wet	FOLLOWED TOO CLOSELY
408	89993931	6/16/2021	Wednesday	1:24 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$2,000	Daylight	Wet	IMPROPER LANE CHANGE
409	89993939	6/17/2021	Thursday	3:41 PM	Motorized Vehicle	No	Angle	0	2	0	2	0	0	0	\$10,000	Daylight	Dry	IMPROPER LANE CHANGE
410	89993998	6/22/2021	Tuesday	11:43 AM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$3,500	Daylight	Dry	IMPROPER LANE CHANGE
411	89994031	6/25/2021	Friday	11:49 AM	Motorized Vehicle	No	Angle	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	FAILED TO YIELD RIGHT OF WAY
412	89994037	6/25/2021	Friday	3:18 PM	Motorized Vehicle	No	Head On	0	0	0	0	0	0	0	\$1,000	Daylight	Dry	ALL OTHER
413	899XXXXX	7/11/2021	Sunday	4:05 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$1,500	Daylight	Dry	ALL OTHER
414	899XXXXX	7/12/2021	Monday	7:31 PM	Motorized Vehicle	No	Left Turn	0	2	0	2	0	0	0	\$12,000	Dusk	Dry	ALL OTHER
415	899XXXXX	7/23/2021	Friday	2:18 PM	Motorized Vehicle	No	Sideswipe	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	ALL OTHER
416	899XXXXX	7/25/2021	Sunday	8:35 PM	Motorized Vehicle	No	Right Turn	0	0	0	0	0	0	0	\$3,300	Dark - Lighted	Dry	ALL OTHER
417	899XXXXX	7/29/2021	Thursday	8:46 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$500	Daylight	Dry	ALL OTHER
418	899XXXXX	8/3/2021	Tuesday	7:48 PM	Motorized Vehicle	No	Left Turn	0	0	0	0	0	0	0	\$3,050	Dark - Lighted	Wet	ALL OTHER
419	899XXXXX	8/10/2021	Tuesday	4:32 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$4,000	Daylight	Dry	ALL OTHER
420	899XXXXX	8/19/2021	Thursday	2:36 PM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$5,000	Daylight	Dry	ALL OTHER
421	899XXXXX	8/26/2021	Thursday	9:21 AM	Motorized Vehicle	No	Rear End	0	0	0	0	0	0	0	\$2,500	Daylight	Wet	ALL OTHER
422	899XXXXX	8/27/2021	Friday	11:08 PM	Motorized Vehicle	No	Off Road	0	0	0	0	0	0	0	\$2,900	Dark - Lighted	Dry	ALL OTHER
TOTAL								1	218	15	52	151	0	1	\$ 3,161,255			

CRASH DESCRIPTION																						
TOTAL CRASHES	FATAL	INJURY CRASHES	TOTAL INJURIES	INCAPACITATING	NON-INCAPACITATING	POSSIBLE INJURY	NON-TRAFFIC FATALITY	FATALITY WITHIN 30 DAYS	PROPERTY DAMAGE CRASHES	PEDESTRIAN / BICYCLIST / MOTORCYCLIST	MOTORIZED VEHICLE	LIGHTING CONDITION					ROADWAY CONDITIONS					
												DAYLIGHT	DARK-LIGHTED	DARK-NOT LIGHTED	DUSK	DAWN	WET	DRY				
422	0	72	218	11	27	62	0	1	350	11	411	341	67	1	10	3	42	380				
100%	0%	17%	52%	3%	6%	15%	0%	0%	83%	3%	97%	80.8%	15.9%	0.2%	2.4%	0.7%	10.0%	90.0%				
CRASH TYPE											CONTRIBUTING CAUSE											
ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDESWIPE	HEAD ON	PEDESTRIAN	BICYCLE	OFF ROAD	ROLL-OVER	ALL OTHER	CARELESS DRIVING	FAILED TO YIELD RIGHT OF WAY	FAILED TO MAINTAIN VEHICLE	IMPROPER LANE CHANGE	IMPROPER TURN	DISREGARDED TRAFFIC SIGNAL	FOLLOWED TOO CLOSELY	DISREGARDED STOP SIGN	DRIVER DISTRACTION	DRIVING WRONG SIDE/WAY	IMPROPER BACKING	ALL OTHER
29	28	12	218	72	4	4	8	7	3	37	199	84	12	63	7	4	22	11	1	1	2	16
6.9%	6.6%	2.8%	51.7%	17.1%	0.9%	1%	2%	2%	1%	9%	47.2%	19.9%	2.8%	14.9%	1.7%	1%	5.2%	2.6%	0.2%	0.2%	0.5%	3.8%

Appendix B – Field Photographs



Looking east on Royal Palm toward University Dr



Looking east on Royal Palm toward University Dr



Looking east on Royal Palm toward University Dr



Looking east from University Dr in the WB lanes



Looking west into the intersection of University Dr



Looking west toward median opening #1



Looking east toward median opening #2



Looking west toward median opening #2



Looking west into median opening #4



Westbound bus stop adjacent to Veterans Park



Looking south from Veterans Park pedestrian access



Looking west toward median opening #5



Looking west at median opening #6



Westbound bus stop adjacent to Veterans Park



Pedestrians crossing mid-block between University Dr and median opening #1



Looking east toward University Dr



Looking east toward University Dr



Looking south across the east leg crosswalk at University



Looking west across the north leg crosswalk at University Dr



Non-standard pedestrian push buttons in the northeast quadrant at University Dr



Looking north across the west leg at University Dr



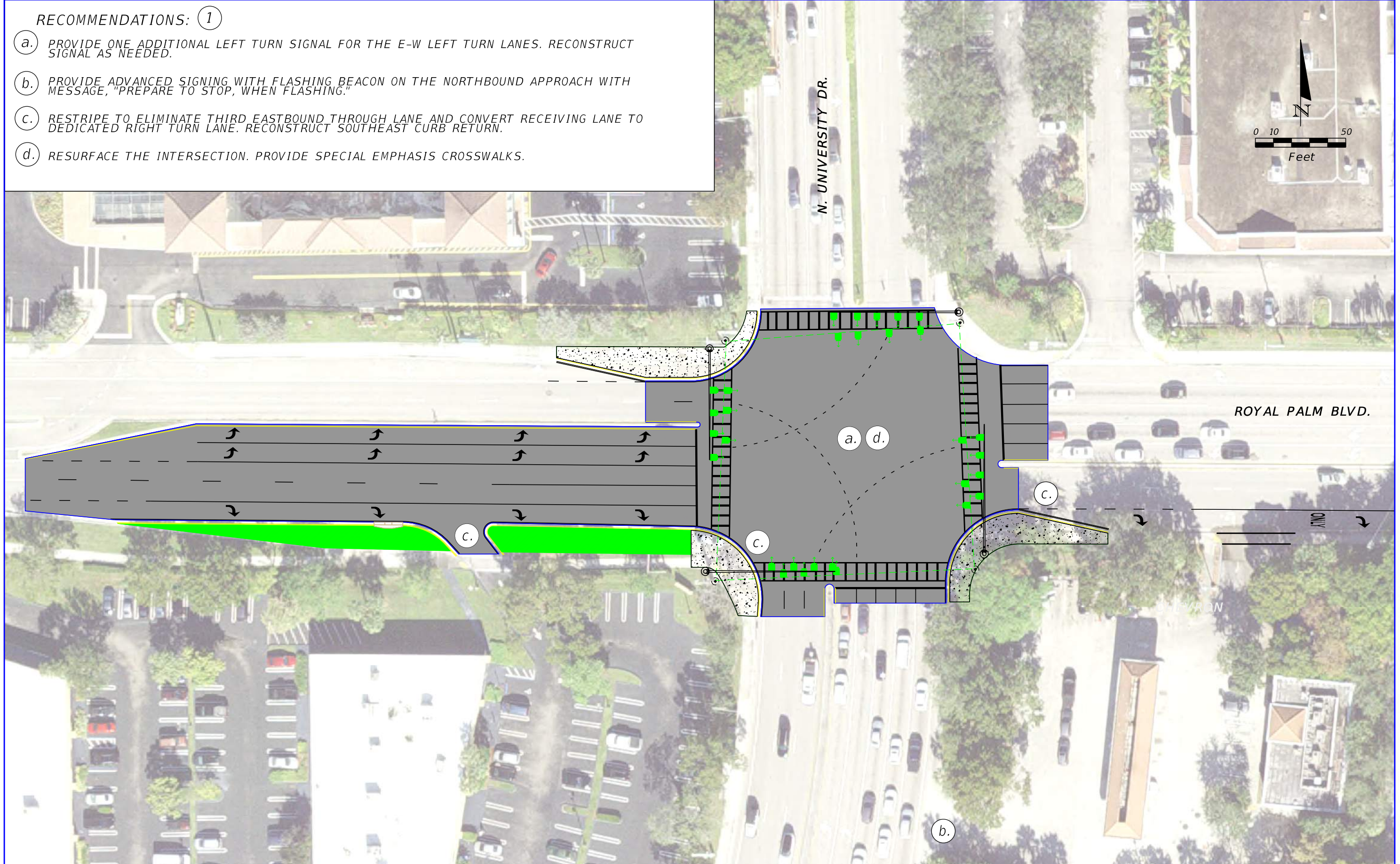
Looking south across the west leg at University Dr

Appendix C – Conceptual Improvement Diagram



RECOMMENDATIONS: (1)

- (a) PROVIDE ONE ADDITIONAL LEFT TURN SIGNAL FOR THE E-W LEFT TURN LANES. RECONSTRUCT SIGNAL AS NEEDED.
- (b) PROVIDE ADVANCED SIGNING WITH FLASHING BEACON ON THE NORTHBOUND APPROACH WITH MESSAGE, "PREPARE TO STOP, WHEN FLASHING."
- (c) RESTRIPE TO ELIMINATE THIRD EASTBOUND THROUGH LANE AND CONVERT RECEIVING LANE TO DEDICATED RIGHT TURN LANE. RECONSTRUCT SOUTHEAST CURB RETURN.
- (d) RESURFACE THE INTERSECTION. PROVIDE SPECIAL EMPHASIS CROSSWALKS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAN D'ANTONIO, P.E.
P.E. LICENSE NUMBER 68399
VANASSE HANGEN BRUSTLIN, INC.
501 E KENNEDY BLVD #1010
TAMPA, FL 33602 (813)327-5450

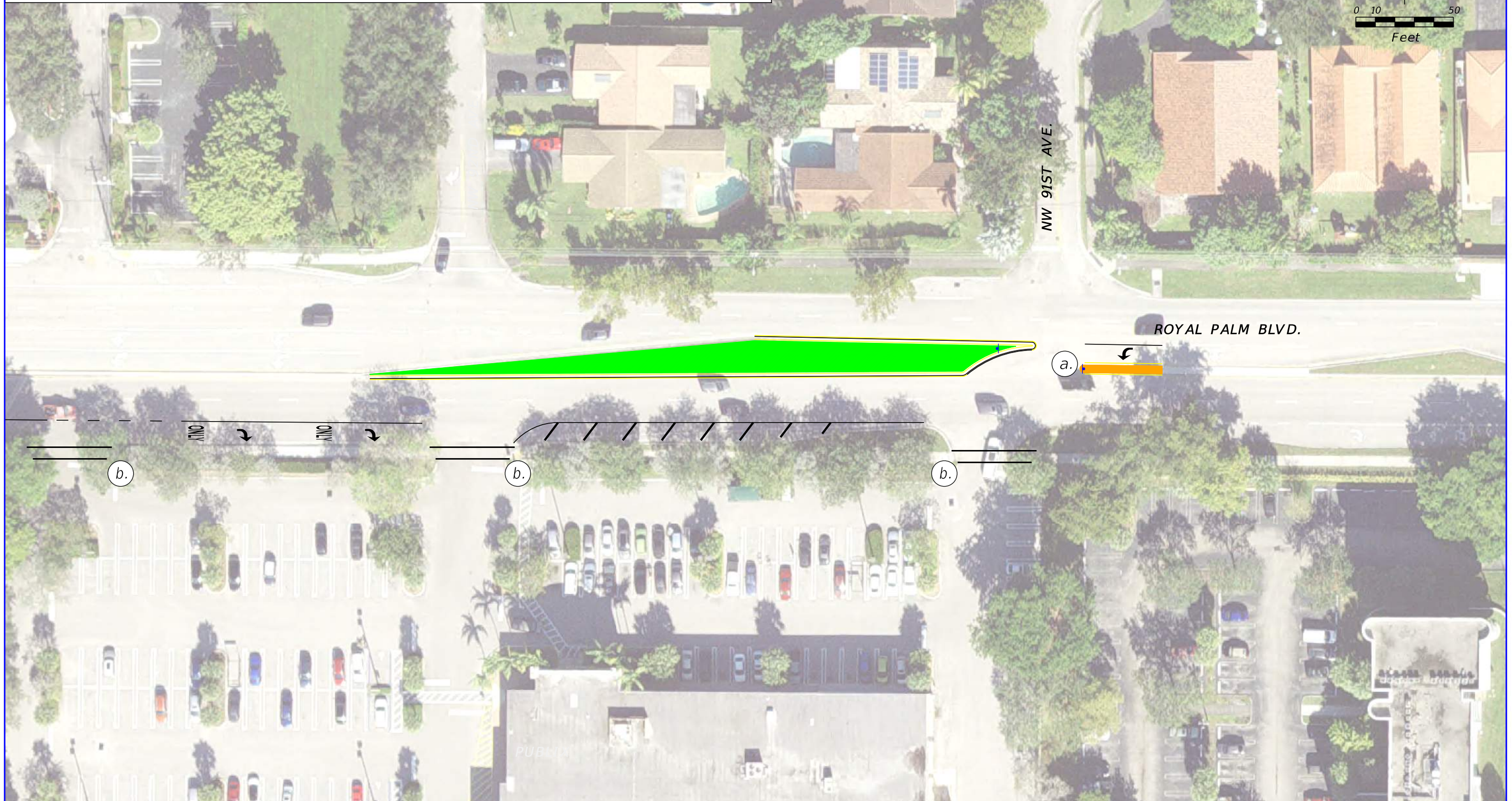
BROWARD METROPOLITAN PLANNING ORGANIZATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	BROWARD	

**CONCEPT PLAN
ROYAL PALM BLVD
UNIVERSIRTY TO RIVERSIDE**

SHEET
NO.
1

RECOMMENDATIONS: (2)

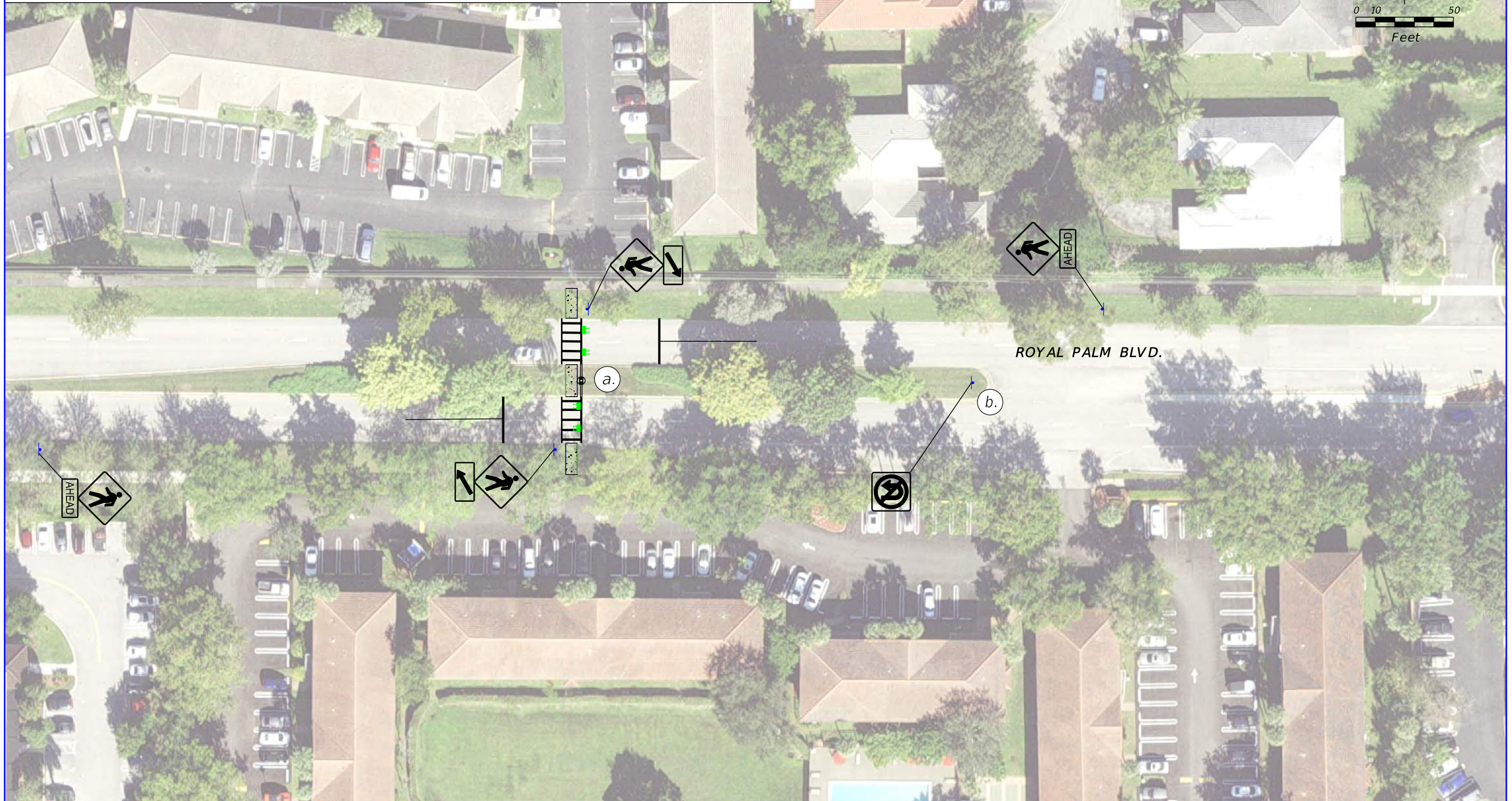
- (a) CONVERT THE FULL MEDIAN OPENING AT NW 91ST AVENUE TO A WESTBOUND LEFT-IN, RIGHT-IN, RIGHT-OUT DIRECTIONAL MEDIAN.
- (b) INSTALL DETECTABLE WARNING SURFACES AND CROSSWALKS AT ALL DRIVEWAYS AND CROSS STREETS.



REVISIONS				DAN D'ANTONIO, P.E. P.E. LICENSE NUMBER 68399 VANASSE HANGEN BRUSTLIN, INC. 501 E KENNEDY BLVD #1010 TAMPA, FL 33602 (813)327-5450	BROWARD METROPOLITAN PLANNING ORGANIZATION		CONCEPT PLAN ROYAL PALM BLVD UNIVERSITY TO RIVERSIDE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID
					BROWARD			

RECOMMENDATIONS: (3)

- a. PROVIDE A MIDBLOCK PEDESTRIAN CROSSING AND PEDESTRIAN HYBRID BEACON NEAR VETERANS PARK.
- b. INSTALL A "NO LEFT TURN/NO U-TURN" SIGN IN THE EASTBOUND DIRECTION AT THE MEDIAN OPENING SERVING PARK SUMMIT RETIREMENT COMMUNITY.



REVISIONS				DAN D'ANTONIO, P.E. P.E. LICENSE NUMBER 68399 VANASSE HANGEN BRUSTLIN, INC. 501 E KENNEDY BLVD #1010 TAMPA, FL 33602 (813)327-5450	BROWARD METROPOLITAN PLANNING ORGANIZATION			CONCEPT PLAN ROYAL PALM BLVD UNIVERSITY TO RIVERSIDE	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BROWARD				

Appendix D – Construction Cost Estimate

ENGINEER'S ESTIMATE - Royal Palm Blvd. at University Dr.

PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
0101 1	MOBILIZATION	LS	1	10%	See Below
0102 1	MAINTENANCE OF TRAFFIC	LS	1	10%	See Below
0104 10 3	SEDIMENT BARRIER	LF	877	\$1.12	\$982.24
0104 18	INLET PROTECTION SYSTEM	EA	12	\$111.56	\$1,338.72
0110 1 1	CLEARING & GRUBBING	AC	2.1	\$8,675.58	\$18,598.52
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	363.1	\$16.52	\$5,998.60
0327 70 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	SY	5007	\$2.15	\$10,764.33
0337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	413.1	\$112.25	\$46,364.86
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	429	\$51.77	\$22,215.08
0527 2	DETECTABLE WARNINGS	SF	96	\$27.93	\$2,681.28
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	634	\$22.84	\$14,480.56
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	485	\$21.00	\$10,185.00
0425 1361	INLETS, CURB, TYPE P-6, <10'	EA	1	\$5,709.73	\$5,709.73
0425 2 41	MANHOLES, P-7, <10'	EA	1	\$5,237.55	\$5,237.55
0430174124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	20	\$124.55	\$2,491.00
0570 1 2	PERFORMANCE TURF, SOD	SY	334	\$2.41	\$805.48
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	90	\$3.78	\$340.20
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	200	\$13.75	\$2,750.00
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1246	\$23.01	\$28,670.46
0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	\$4,549.31	\$4,549.31
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	16	\$727.16	\$11,634.56
0635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	4	\$1,692.01	\$6,768.04
0635 2 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1	\$3,087.53	\$3,087.53
0633 3 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1	\$990.06	\$990.06
0633 2 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	12	\$46.32	\$555.84
0633 1121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	100	\$3.61	\$361.00
0633 2 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	6	\$101.50	\$609.00
0633 3 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	1	\$1,142.28	\$1,142.28
0633 8 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	300	\$6.25	\$1,875.00
0641 2 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	4	\$2,359.56	\$9,438.24
0639 1121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	1	\$2,864.50	\$2,864.50
0639 1610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	1	\$900.00	\$900.00
0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	200	\$13.70	\$2,740.00
0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1	\$1,895.95	\$1,895.95
0641 2 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	1	\$1,478.80	\$1,478.80
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	8	\$1,174.61	\$9,396.88
0649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	1	\$42,132.24	\$42,132.24
0649 21 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	3	\$52,008.38	\$156,025.14
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	17	\$1,022.00	\$17,374.00
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8	\$954.42	\$7,635.36
0660 3 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	\$3,600.00	\$3,600.00
0660 3 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	4	\$8,214.29	\$32,857.16
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8	\$228.66	\$1,829.28
0670 4 1	INTERSECTION CONTROL BEACON CONTROLLER ASSEMBLY, FURNISH & INSTALL	AS	1	\$1,650.00	\$1,650.00
0670 5110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1	\$36,875.80	\$36,875.80
0670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1	\$660.46	\$660.46
0684 1 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1	\$3,979.03	\$3,979.03
0685 1 11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA	1	\$4,236.83	\$4,236.83
0682 1113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1	\$7,580.29	\$7,580.29
0684 1 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1	\$3,979.03	\$3,979.03
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	6	\$353.32	\$2,119.92
0700 1 60	SINGLE POST SIGN, REMOVE	AS	10	\$23.48	\$234.80
0700 5 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4	\$3,152.21	\$12,608.84
0700 12 11	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON	AS	2	\$7,025.00	\$14,050.00
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1097	\$1.84	\$2,018.48
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	84	\$2.62	\$220.08
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1747	\$4.13	\$7,215.11
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.141	\$1,315.29	\$185.83
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	750	\$14.66	\$10,995.00
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	3	\$328.00	\$984.00
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	17	\$229.80	\$3,906.60
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.379	\$3,906.86	\$1,479.87
0711 16131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.057	\$1,179.32	\$67.01
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.208	\$3,893.17	\$811.08
0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	600	\$2.41	\$1,446.00
0715 11211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA	4	\$1,645.65	\$6,582.60
999-25	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS		5%	See Below
	CONTINGENCY (PROJECT UNKNOWNNS)	LS		15%	See Below
				SUBTOTAL:	\$625,240.44
(101-1) MOB (MOBILIZATION)				10%	\$62,524.04
				SUBTOTAL:	\$687,764.49
(102-1) MOT (MAINTENANCE OF TRAFFIC)				10%	\$68,776.45
				SUBTOTAL:	\$756,540.94
PU (PROJECT UNKNOWNNS)				15%	\$113,481.14
				SUBTOTAL:	\$870,022.08
(999-25) INITIAL CONTINGENCY (DO NOT BID)				5%	\$43,501.10
				SUBTOTAL:	\$913,523.18
RIGHT-OF-WAY					\$0.00
				PROJECT TOTAL:	\$913,523.18

ENGINEER'S ESTIMATE -Royal Palm Blvd. from East of University Dr. to NW 89th Dr.

PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
0101 1	MOBILIZATION	LS	1	10%	See Below
0102 1	MAINTENANCE OF TRAFFIC	LS	1	10%	See Below
0104 10 3	SEDIMENT BARRIER	LF	1050	\$1.12	\$1,176.00
0104 18	INLET PROTECTION SYSTEM	EA	8	\$111.56	\$892.48
0110 1 1	CLEARING & GRUBBING	AC	1.1	\$8,675.58	\$9,526.01
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	108.9	\$16.52	\$1,799.76
0520 5 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	43	\$53.73	\$2,310.39
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	485	\$21.00	\$10,185.00
0570 1 2	PERFORMANCE TURF, SOD	SY	367	\$2.41	\$885.54
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	10	\$3.78	\$37.80
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	4	\$353.32	\$1,413.28
0700 1 60	SINGLE POST SIGN, REMOVE	AS	2	\$23.48	\$46.96
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.017	\$1,315.29	\$22.42
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	1	\$229.80	\$229.80
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.008	\$3,906.86	\$29.60
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.099	\$3,893.17	\$387.10
999-25	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS		5%	See Below
	CONTINGENCY (PROJECT UNKNOWNNS)	LS		15%	See Below
				SUBTOTAL:	\$28,942.15
(101-1) MOB (MOBILIZATION)				10%	\$2,894.21
				SUBTOTAL:	\$31,836.36
(102-1) MOT (MAINTENANCE OF TRAFFIC)				10%	\$3,183.64
				SUBTOTAL:	\$35,020.00
PU (PROJECT UNKNOWNNS)				15%	\$5,253.00
				SUBTOTAL:	\$40,273.00
(999-25) INITIAL CONTINGENCY (DO NOT BID)				5%	\$2,013.65
				SUBTOTAL:	\$42,286.65
				RIGHT-OF-WAY	\$0.00
				PROJECT TOTAL:	\$42,286.65

12 Month Area 12 Average Unit Costs 12/1/2020 - 11/30/2021

ENGINEER'S ESTIMATE - Royal Palm Blvd. from NW 89th Dr. to Riverside Dr.

PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
0101 1	MOBILIZATION	LS	1	10%	See Below
0102 1	MAINTENANCE OF TRAFFIC	LS	1	10%	See Below
0104 10 3	SEDIMENT BARRIER	LF	200	\$1.12	\$224.00
0110 1 1	CLEARING & GRUBBING	AC	1.0	\$8,675.58	\$8,675.58
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	3.0	\$16.52	\$49.56
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	32	\$51.77	\$1,650.89
0527 2	DETECTABLE WARNINGS	SF	24	\$27.93	\$670.32
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	10	\$3.78	\$37.80
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	100	\$13.75	\$1,375.00
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	75	\$23.01	\$1,725.75
0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	\$4,549.31	\$4,549.31
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	8	\$727.16	\$5,817.28
0639 1121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	1	\$2,864.50	\$2,864.50
0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	200	\$13.70	\$2,740.00
0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1	\$1,895.95	\$1,895.95
0641 2 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	1	\$1,478.80	\$1,478.80
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2	\$1,174.61	\$2,349.22
0649 21 2	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 30'-30'	EA	1	\$57,878.00	\$57,878.00
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4	\$1,022.00	\$4,088.00
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	2	\$954.42	\$1,908.84
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	2	\$228.66	\$457.32
0670 5110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1	\$36,875.80	\$36,875.80
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	6	\$353.32	\$2,119.92
0700 3201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	\$637.45	\$1,274.90
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	96	\$1.84	\$176.64
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	48	\$4.13	\$198.24
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.019	\$3,906.86	\$73.99
0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	20	\$2.41	\$48.20
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	100	\$14.66	\$1,466.00
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	200	\$2.84	\$568.00
0715 4 12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	2	\$5,718.25	\$11,436.50
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1	\$16,056.95	\$16,056.95
999-25	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS		5%	See Below
	CONTINGENCY (PROJECT UNKNOWNNS)	LS		15%	See Below
				SUBTOTAL:	\$170,731.26
(101-1) MOB (MOBILIZATION)				10%	\$17,073.13
				SUBTOTAL:	\$187,804.39
(102-1) MOT (MAINTENANCE OF TRAFFIC)				10%	\$18,780.44
				SUBTOTAL:	\$206,584.83
PU (PROJECT UNKNOWNNS)				15%	\$30,987.72
				SUBTOTAL:	\$237,572.55
(999-25) INITIAL CONTINGENCY (DO NOT BID)				5%	\$11,878.63
				SUBTOTAL:	\$249,451.18
				RIGHT-OF-WAY	\$0.00
				PROJECT TOTAL:	\$249,451.18

12 Month Area 12 Average Unit Costs 12/1/2020 - 11/30/2021

Appendix E – Benefit Cost Analysis



Benefit-Cost Analysis

District: **Four** County: **86 - Broward** Date Prepared: **01/18/22**

Location: **Royal Palm Blvd. at University Dr.**

Section : _____ Beg. Milepost : _____ End Milepost : _____

Rdway Type: **4 - 5 Lanes Suburban Divided**

Control Element: **Other (describe in box below)**

Resurface pavement. Add 3" yellow retroreflective sheeting to signal backplates. Convert span wire to mast arm signal.

ANNUAL COST OF IMPROVEMENTS

Type	Cost	Service Life	Capital Recovery Factor	Total
ROW		100	0.0408	\$ -
P.E.C.E.I. Structure	\$ 274,056.95	15	0.0899	\$ 24,637.72
Roadway	\$913,523.18	20	0.0736	\$ 67,235.31
Drainage		20	0.0736	\$ -
Signal		20	0.0736	\$ -
Other		20	0.0736	\$ -
Sub-Total	\$ 1,187,580.13			\$ 91,873.03
			Annual Cost =	\$ 91,873.03

Total number of crashes = 324	Primary crash reduction factor (%): 21.3
# of correctable crashes, PC = 106	Resurface pavement
# of years of crash data, YD = 5	
PC/YD = 21.20	Additional crash reduction factor: 15
Crash reduction factor, CRF = 35.11%	Add 3" yellow retroreflective sheeting to signal backplates
CRF x (PC/YD) = 7.44	
Cost per crash, CPC = \$225,315.00	Additional crash reduction factor: 3
Benefit = \$1,677,180	Convert span wire to mast arm signal

BENEFIT/COST RATIO

$$\frac{\text{Benefit}}{\text{Cost}} = \frac{\$1,677,180.01}{\$91,873.03} = \mathbf{18.26}$$

Countermeasure: Resurface pavement. Applies to all crash types, KABC severities. Countermeasure: Add 3" yellow retroreflective sheeting to signal backplates. Applies to all crash types, all severities. Countermeasure: Convert span wire to mast arm signal. Applies to all crash types, all severities. Countermeasure #2 and #3 apply to all severities, but were only applied to KABC for conservative purposes.

Appendix F – Net Present Value



Net Present Value (NPV)

Project Name	Royal Palm Blvd. at University Dr.		Project Description Resurface pavement. Add 3" yellow retroreflective sheeting to signal backplates. Convert span wire to mast arm signal.
Project Category	Corridor		
Current Year	2022		
Project Completion	2024		
Project Life	20		
Project Ends	2042		
Discount Rate	0.04		
NPV			
Cost / Benefits			
Year #	Calendar Year	Estimated Cost	Estimated Benefits
0	2022	\$1,187,580	\$0
1	2023	\$0	\$1,677,180
2	2024	\$0	\$1,677,180
3	2025	\$0	\$1,677,180
4	2026	\$0	\$1,677,180
5	2027	\$0	\$1,677,180
6	2028	\$0	\$1,677,180
7	2029	\$0	\$1,677,180
8	2030	\$0	\$1,677,180
9	2031	\$0	\$1,677,180
10	2032	\$0	\$1,677,180
11	2033	\$0	\$1,677,180
12	2034	\$0	\$1,677,180
13	2035	\$0	\$1,677,180
14	2036	\$0	\$1,677,180
15	2037	\$0	\$1,677,180
16	2038	\$0	\$1,677,180
17	2039	\$0	\$1,677,180
18	2040	\$0	\$1,677,180
19	2041	\$0	\$1,677,180
20	2042	\$0	\$1,677,180
Calculation			
Discount Factor	Discount Cost	Discounted Benefits	
1.000	(\$1,187,580)	\$0	
0.962	\$0	\$1,612,673	
0.925	\$0	\$1,550,647	
0.889	\$0	\$1,491,007	
0.855	\$0	\$1,433,661	
0.822	\$0	\$1,378,520	
0.790	\$0	\$1,325,500	
0.760	\$0	\$1,274,519	
0.731	\$0	\$1,225,499	
0.703	\$0	\$1,178,364	
0.676	\$0	\$1,133,043	
0.650	\$0	\$1,089,464	
0.625	\$0	\$1,047,562	
0.601	\$0	\$1,007,271	
0.577	\$0	\$968,530	
0.555	\$0	\$931,279	
0.534	\$0	\$895,460	
0.513	\$0	\$861,019	
0.494	\$0	\$827,903	
0.475	\$0	\$796,061	
0.456	\$0	\$765,443	

Net Present Value (NPV)

Project Name	Royal Palm Blvd. from East of University Dr. to NW 89th Dr.		Project Description			
Project Category	Corridor		Convert an open median to a directional median.			
Current Year	2022		NPV			
Project Completion	2024		\$3,184,734			
Project Life	20					
Project Ends	2042					
Discount Rate	0.04					
Cost / Benefits				Calculation		
Year #	Calendar Year	Estimated Cost	Estimated Benefits	Discount Factor	Discount Cost	Discounted Benefits
0	2022	\$54,973	\$0	1.000	(\$54,973)	\$0
1	2023	\$0	\$238,383	0.962	\$0	\$229,215
2	2024	\$0	\$238,383	0.925	\$0	\$220,399
3	2025	\$0	\$238,383	0.889	\$0	\$211,922
4	2026	\$0	\$238,383	0.855	\$0	\$203,771
5	2027	\$0	\$238,383	0.822	\$0	\$195,934
6	2028	\$0	\$238,383	0.790	\$0	\$188,398
7	2029	\$0	\$238,383	0.760	\$0	\$181,152
8	2030	\$0	\$238,383	0.731	\$0	\$174,184
9	2031	\$0	\$238,383	0.703	\$0	\$167,485
10	2032	\$0	\$238,383	0.676	\$0	\$161,043
11	2033	\$0	\$238,383	0.650	\$0	\$154,849
12	2034	\$0	\$238,383	0.625	\$0	\$148,893
13	2035	\$0	\$238,383	0.601	\$0	\$143,167
14	2036	\$0	\$238,383	0.577	\$0	\$137,660
15	2037	\$0	\$238,383	0.555	\$0	\$132,366
16	2038	\$0	\$238,383	0.534	\$0	\$127,275
17	2039	\$0	\$238,383	0.513	\$0	\$122,380
18	2040	\$0	\$238,383	0.494	\$0	\$117,673
19	2041	\$0	\$238,383	0.475	\$0	\$113,147
20	2042	\$0	\$238,383	0.456	\$0	\$108,795

Appendix G – Candidate Project Feasibility Checklist for TSM&O/Safety Program Funds

Candidate Project Feasibility Checklist for TSM&O/Safety Program Funds

The project requires additional feasibility review if "Yes" is checked for questions 1, 2, 3, 5, 6, or 7.

1. Will the proposed project need right of way?

- Yes No Unknown

Source(s) to determine existing right of way: Field inspection of existing typical section elements (i.e., back of sidewalk). Review of Broward County property appraiser GIS of property lines.

2. Will the proposed project have utility impacts or require utility adjustments?

- Yes No Unknown

Source(s) to determine existing utilities: Review of field conditions of above ground utilities, manhole covers, valves, and other markers. The majority of work will done within the limits of the existing roadway will not include underground work.

3. Does the proposed project modify existing access to residences or businesses?

- Yes No Unknown

3a. If answered "Yes" to the above, please describe the process needed to gain approval to make the proposed access changes: Walgreen's in the southeast quadrant has a right-in/right-out driveway on Royal Palm Boulevard. The existing signing and pavement markings restrict left-in and left-out movements. However, these movements are not restricted by physical features. A median separator is proposed to physically restrict the movements. This should not be considered a change to access since the separator is only reinforcing the current access restrictions.

4. Can the project be designed to meet all applicable design criteria and standards?

- Yes No Unknown

4a. If answered "No" to the above, can design exceptions or variations reasonably be obtained?

- Yes No Unknown

Please provide a preliminary list of exceptions and/or variations: _____

5. Does the project impact existing structures?

- Yes No

5a. If answered "Yes" to the above, has a preliminary structural review been conducted to determine the acceptability of the impact and all costs been accounted for in the estimate?

- Yes No

6. Does the project affect environmental or cultural resources?

- Yes No Unknown

7. Are any other agency permits required?

- Yes No Unknown

8. Does the project require a project development and environment (PD&E) study?

- Yes No Unknown

8a. If answered "Yes" to the above, what level of PD&E is anticipated?

- Type 1 Categorical Exclusion Type 2 Categorical Exclusion Environmental Assessment
(see FDOT [Type 1 CE Checklist](#)) or Impact Statement

9. Is the agency, or agencies for intersections, with jurisdiction over the facility in support of the project?

- Yes No Unknown



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Broward Metropolitan Planning Organization
Trade Centre South
100 West Cypress Creek Road, Suite 650, 6th Floor
Fort Lauderdale, FL 33309

info@browardmpo.org

(954) 876-0033 Office

(954) 876-0062 Fax

For more information on activities and projects of the Broward MPO, please visit:

BrowardMPO.org

For complaints, questions or concerns about civil rights or nondiscrimination; or for special requests under the Americans with Disabilities Act, please contact Carl Ema at emac@browardmpo.org

For more information, please contact:

Title VI Coordinator at (954) 876-0058 or emac@browardmpo.org