



CORRIDOR SAFETY STUDY

SR 78 (NE PINE ISLAND ROAD), FROM DEL PRADO BOULEVARD TO HIBISCUS DRIVE

LEE COUNTY

SECTION NO.: 12-060-000

MILEPOST: 12.061-12.802

FM No. 409224-1-32-91
Contract No. C9M86

August 2021

PREPARED FOR
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PROFESSIONAL ENGINEER ENDORSEMENT

I hereby certify that I am a Registered Professional Engineer in the State of Florida and practicing with HNTB Corporation. HNTB Corporation is authorized via Certificate Number EB-0006500 to operate as an Engineering Business by the Florida State Board of Professional Engineers, State of Florida Department of Professional Regulation. I have prepared or supervised the preparation of the evaluation, findings, conclusions, recommendations, or professional opinions/advice contained in this document. My endorsement constitutes my approval of these items.

PROJECT: District-Wide Safety Studies
FPN: 409224-1-32-91

LOCATION: Safety Study – Section No. 12060000
SR 78, from Del Prado Blvd to Hibiscus Dr
Milepost 12.061-12.802

CLIENT: Florida Department of Transportation
District One

The results contained in this report were developed using procedures and references standard to the transportation engineering practice. These references and procedures were applied using professional judgment and experience.

Name: Benjamin S. Rodgers, PE

P.E. No.: 80350

Date: August 2021

Signature: _____



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1. INTRODUCTION

The Florida Department of Transportation District One (FDOT D1) Safety Office has retained HNTB Corporation as part of the district-wide traffic safety contract to perform a safety study for the corridor of SR 78 (NE Pine Island Road) from Del Prado Boulevard to Hibiscus Drive in Cape Coral, Florida within Lee County.

2. EXISTING CONDITIONS

The corridor study along SR 78 spans three quarters of a mile and includes 11 intersections: Del Prado Boulevard, west Lowe's Entrance, east Lowe's Entrance, Pondella Road/ Publix Entrance, NE 17th Place, Target Entrance, North Point Entrance, Coral Walk Entrance, BJ's Entrance, Del Pine Drive, and Hibiscus Drive. **Figure 1** presents an aerial photo of the study segment. The roadway identification number for SR 78 is 12-060-000 and with the mile posts for the 11 intersections being 12.061, 12.144, 12.244, 12.361, 12.444, 12.454, 12.543, 12.555, 12.645, 12.722, and 12.802, respectively. The Straight-Line Diagram of SR 78 can be found in **Appendix A**.



Figure 1: Aerial Photo

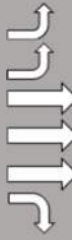
SR 78 is classified as an east-west Urban Principal Arterial Other road with a posted speed limit is 55 mph. Within the study limits, SR 78 transitions from a 6-lane to a 4-lane, two-way raised divided suburban typical section. Before the Lowe's Entrance (MP 12.244), the left side of the roadway has three 11-foot lanes and three 12-foot lanes on the right side, with a 46-foot wide median. Between Lowe's Entrance (MP 12.244) and Pondella Road (MP 12.361), the left side of the roadway has two 12-foot lanes and two 11-foot lanes on the right side, with a 46-foot wide median. After Pondella Road (MP 12.361), the roadway has four 11-foot lanes with a 47-foot wide median. Bicycle lanes, lighting, and curb and gutter are present on both sides of the roadway. Sidewalks are not present along either side of the roadway.

The following sections breakdown the existing lane configurations of each intersection along with presence of sidewalks, crosswalks, and signals.

Del Prado Boulevard is a north-south roadway with a 6-lane divided typical section. The posted speed limit along Del Prado Boulevard is 45 mph. Streetlights are provided along both sides of the roadway. SR 78 at Del Prado Boulevard is a skewed signalized intersection, with a four-legged intersection geometry.

Table 1 shows the lane configurations for each approach of the intersection.

Table 1: Del Prado Boulevard Approaches

Northbound	Southbound	Eastbound	Westbound
			

*Channelized Lane

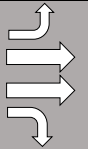
Pedestrian and bicycle facilities at this intersection include sidewalk on both sides of the roadway, standard crosswalks across all legs of the intersection, bicycle key holes, and separately post-mounted pedestrian signals and pushbuttons.

The Lowe's Entrance (MP 12.144) intersects SR 78 as a three-legged junction providing access to the Lowe's with right turn only entry and exit conditions. A crosswalk is not present for pedestrians to cross the roadway.

The Lowe's Entrance (MP 12.244) intersects SR 78 as a directional midblock median opening with an eastbound left turn lane from SR 78. There are no crosswalks present for pedestrians to cross the roadway. The lanes along SR 78 transition from six to four lanes at this three-legged intersection.

Pondella Road/Publix Entrance (MP 12.361) intersects SR 78 as north-south roadway with a 4-lane divided typical section. The speed limit for Pondella Road is 45 mph. The intersection of Pondella Road at SR 78 is a four-legged signalized intersection, with all left-turn movements operating protected phasing. **Table 2** shows the lane configurations for each approach of the intersection.

Table 2: Pondella Road/ Publix Entrance Approaches

Northbound	Southbound	Eastbound	Westbound
			

*Channelized Lane

Pedestrian and bicycle facilities at this intersection include sidewalks along both sides of the Pondella Road and at the northeast and northwest corners of the Publix Entrance leg. Pedestrian signals and pushbuttons are post-mounted separately at each corner. Special emphasis crosswalks are present

across all legs of the intersection. Pondella Road does not have any bike lanes along either side of the roadway.

The NE 17th Place (MP 12.444) side street intersects SR 78 as a three-legged junction providing access to the North Point Plaza with right turn only entry and exit conditions. No crosswalks are present.

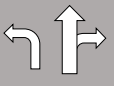
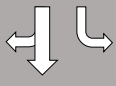
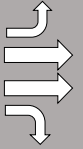
The Target Entrance (MP 12.454) intersects SR 78 as a three-legged junction providing access to the Target with right turn only entry and exit conditions. No crosswalks are present.

The North Point Entrance (MP 12.543) and Coral Walk Entrance (MP12.555) side streets are legs to a bi-directional median opening with left turns on SR 78. No crosswalks are present.

The BJ’s Entrance (MP 12.645) intersects SR 78 as a three-legged junction providing access to the Target with right turn only entry and exit conditions. No crosswalks are present..

The Del Pine Drive (MP 12.722) side street intersects SR 78 as a three-legged junction providing access to the Target with right turn only entry and exit conditions. No crosswalks are present.

Table 3: Hibiscus Drive Approaches

Northbound	Southbound	Eastbound	Westbound
			

*Channelized Lane

Hibiscus Drive (MP 12.802) intersects SR 78 as a north-south roadway. It is a 4-lane divided typical section to the north and a 2-lane undivided typical section to the south. The speed limit for Hibiscus Road is 30 mph. The intersection of Hibiscus Road at SR 78 is a four-legged full median opening, with

left-turn lanes on SR 78 and stop controlled side streets. **Table 3** shows the lane configurations for each approach of the intersection. No crosswalks are present.

The primary context classification for SR 78 is C3C-Suburban commercial. Land uses adjacent to the roadway are primarily commercial and residential. The Lee County Transit has two bus stops within the study segment. Bus stop number 040n0386 is approximately 330 feet west of Del Prado Boulevard and bus stop number 595s1968a is approximately 160 feet west of BJ’s Entrance. The nearest signalized intersections are SR 78 at Andalusia Boulevard (approximately 1.08 miles west of Del Prado Boulevard) and SR 78 at US 41 (approximately 0.45 miles east of Hibiscus Road). **Figure 2** presents the Project Location Map. The Condition Diagram is provided in **Appendix B** and the Intersection Approach Pictures are provided in **Appendix F**.



This section of the report presents the data that was obtained for this study. For the purposes of this study, it was determined that the following information would be required:

- Crash data from January 2013 through December 2017.
- Eight-hour turning movement counts.
- Vehicle count data from count stations located within the study limits.
- Field observations of the intersection operations during an average weekday.
- Recently completed or future planned projects within the study limits.

3.1 Crash Data

Crash data from January 2014 to December 2018, as extracted from the State Crash Analysis Reporting System (CARS) and Signal 4 Analytics, were reviewed to identify any crash trends that could be mitigated as part of this intersection safety study. During this analysis period, a total of 531 crashes occurred within the corridor limits. **Table 4** shows the overall number of crashes by their injury severity and crash characteristics by year. The collision diagrams by year can be found in **Appendix C**.

Table 4: Crash Summary

Crash Information		Crash Year						Mean Crashes per Year	%
		2014	2015	2016	2017	2018	Total		
Crash Type	Angle	1	7	14	18	14	54	10.8	10.17%
	Bicycle	2	0	0	0	1	3	0.6	0.56%
	Left Turn	11	15	9	17	18	70	14	13.18%
	Right Turn	0	0	3	1	6	10	2	1.88%
	Off Road	2	2	4	1	3	12	2.4	2.26%
	Head On	1	0	1	0	0	2	0.4	0.38%
	Overturned	0	1	1	0	0	2	0.4	0.38%
	Pedestrian	0	0	1	0	0	1	0.2	0.19%
	Rear End	46	41	59	68	72	286	57.2	53.86%
	Sideswipe	6	6	21	14	8	55	11	10.36%
	One Vehicle	2	1	1	4	0	8	1.6	1.51%
	Collision w/Sign	0	0	0	1	0	1	0.2	0.19%
	Backed Into	0	1	0	0	3	4	0.8	0.75%
	Other	0	0	0	1	22	23	4.6	4.33%
Injury Severity	Fatal	1	0	0	0	0	1	0.2	0.19%
	Injury	39	32	47	46	49	213	42.6	40.11%
	Property Damage Only	31	42	67	79	98	317	63.4	59.70%
Lighting Condition	Daylight	47	53	88	99	114	401	80.2	75.52%
	Night	24	21	26	26	33	130	26	24.48%
Surface Conditions	Dry	63	63	93	110	123	452	90.4	85.12%
	Wet	8	11	21	15	24	79	15.8	14.88%
Spot Crash Rate (Crashes/MVM)		1.612	1.597	2.392	2.545	2.900	2.209		
Statewide Avg Crash Rate (Crashes/MVM)		2.147	2.616	2.823	2.399	2.125	2.422		
Overall Total		71	74	114	125	147	531	106.2	100%

3.1.1 Crash Analysis

As shown in **Table 4** the following crash trends were identified within the study corridor:

- The corridor spanning between Del Prado Blvd to Hibiscus Dr recorded 531 total crashes for the period spanning from 2014 to 2018.

- There was 1 fatality crash, 213 injury crashes, and 317 property damages crashes.
- Rear end collisions were the most prominent crash type contributing to 286 (57.2%) of the total crashes.
- There were 54 angle crashes and 70 left turn crashes along the entire corridor. Specifically, 30 of the left turn crashes occurred in the eastbound direction at the easternmost Lowe's Entrance. One of these crashes resulted in a fatality. Westbound traffic was seen backing up past this entrance during the field visit as shown in the **Figure 3**, forcing motorists to weave through traffic. **Consider restricting eastbound left turns into this Lowe's Entrance and removing the pavement in the median. Construct an additional left turn lane for the eastbound approach at Pondella Road to allow for adequate queue length because of the additional traffic. A Synchro analysis at Pondella calculated a 95th percentile queue length of 224 feet. With a deceleration length of 290 feet per FDM, the total length of this two-lane left turn lane needs to be 515 feet. The Synchro analysis of a single left and double left turn lane is found in Appendix G. A new mast arm is needed to accommodate an additional left arrow signal head for the new lane.**



Figure 3: Left Turn at Lowe's Entrance

- There were 32 angle crashes occurred at Hibiscus Drive. Multiple vehicles would stage in this median during the field review. **Figure 4** shows three vehicles attempting three different maneuvers at the same time (southbound left, northbound through, and eastbound left). **Consider restricting left turns from northbound/southbound Hibiscus Drive with a bidirectional median opening at Hibiscus Drive.**



Figure 4: Median Opening at Hibiscus Drive

- There were three bicycle crashes and three pedestrian crashes along the corridor. Two of these bicycle crashes and two of these pedestrian crashes were at the signalized intersection of Del Prado Boulevard. All of the crosswalks are long distances, with the east leg being the longest at 168 feet.
 - **Consider marking all of the crosswalks at the signalized intersection of SR 78 at Del Prado Boulevard per Standard Plans Index 711-001.**
 - **Consider raised pedestrian/channelization islands on the northeast and southwest corners of Del Prado Blvd to protect pedestrians and shorten the crosswalk length. As a result, the following shall be done.**
 - **Realign the crosswalks with the raised islands.**
 - **Add crosswalks between the raised islands and the corner radii to protect the pedestrians crossing from island to corner.**
 - **Add pedestrian signals on the islands.**
 - **Add W11-2/W16-7P signs at the yield point for the raised channelized islands. The signs should be double flanked, one on the island and one on the corner radii.**
- There were 6 sideswipes in 2014, 6 sideswipes in 2015, 21 sideswipes in 2016, 16 sideswipes in 2017, and 8 sideswipes in 2018. Years 2016 and 2017 of the crash data had a sharp increase compared to the other years. Upon reading the crash reports, the locations of the crashes were scattered along the corridor with no one area being an issue.
- Nighttime conditions contributed to 25.3% of the total crashes. **Consider retrofitting the existing high pressure sodium light fixtures to LED light fixtures (27 total) from west of Del Prado to east of Pondella to improve the overall lighting on the corridor.** The light pole for the northbound approach of SR 78 at Del Prado is approximately 200 feet south of the stop bar. Typically a light pole would need to be much closer to the intersection. **Consider an evaluation of the lighting at the southeast corner of the intersection of SR 78 at Del Prado Boulevard and add an additional light pole approximately 85' south of the southern crosswalk.**
- Wet road conditions contributed to 14.2% of the total crashes. The skid report with the lowest mean friction number was 33. Therefore, the pavement's friction factor isn't necessarily a contributing factor for accidents under wet conditions.

3.2 *Turning Movement Count (TMC) Data*

The peak-hour volume during AM, Mid-day, and PM peak hours for the intersections of Forest Park Street, Ariana Street and Central Avenue at SR 78 are shown in **Figures 5 - 16**. The raw counts are provided in **Appendix D**.

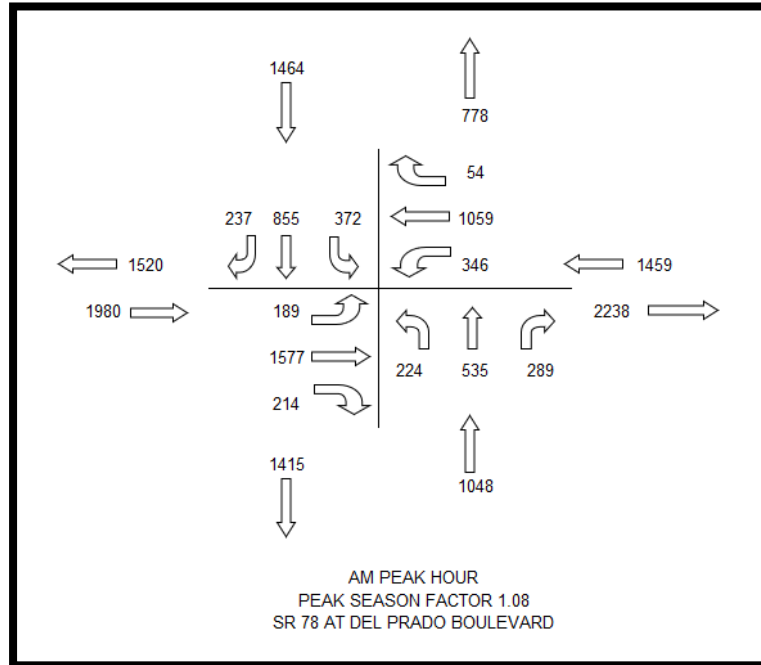


Figure 5: Del Prado Blvd_AM Peak-Hour Turning Movements

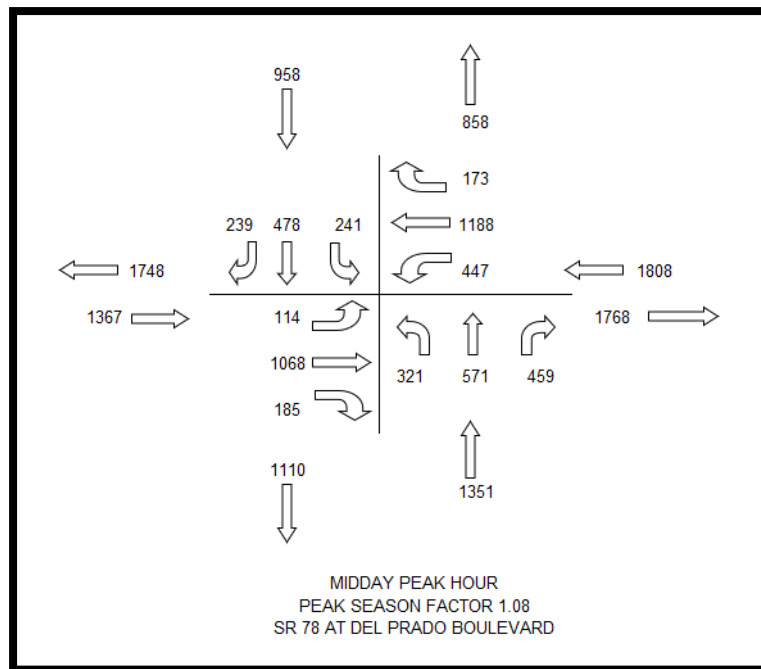


Figure 6: Del Prado Blvd_MID-DAY Peak-Hour Turning Movements

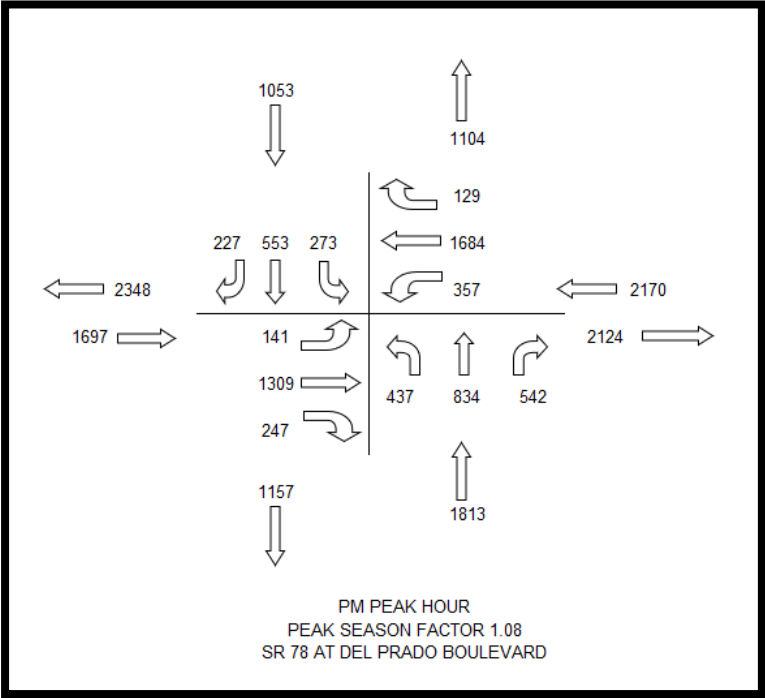


Figure 7: Del Prado Blvd_PM Peak-Hour Turning Movements

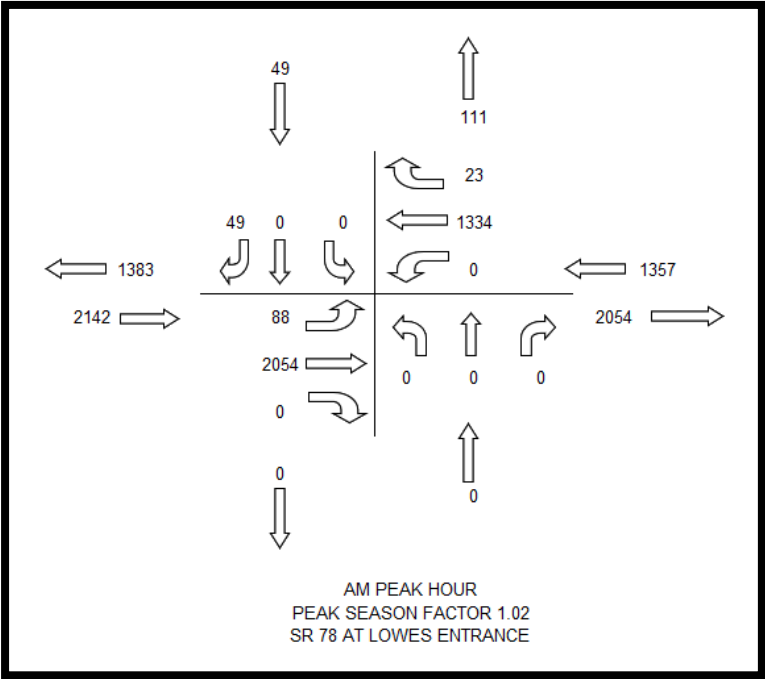


Figure 8: Lowe's Ent_AM Peak-Hour Turning Movements

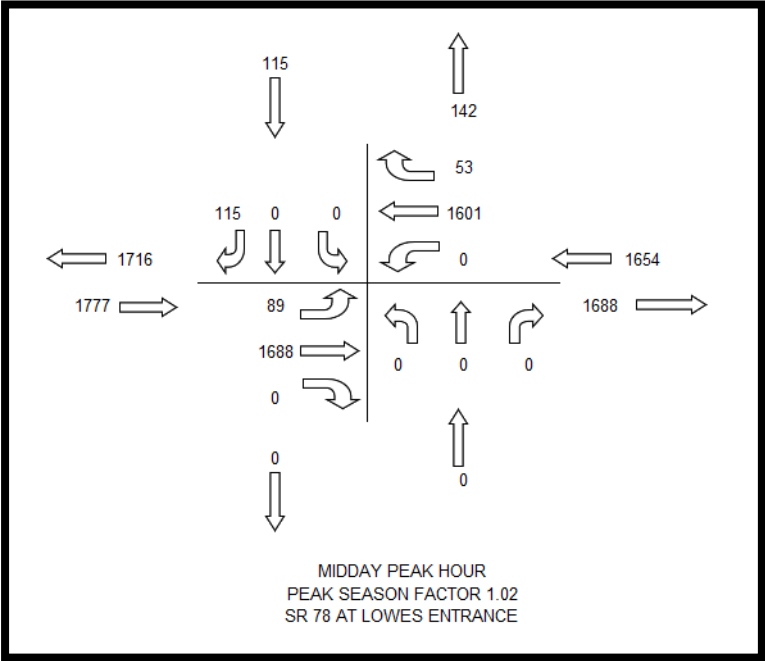


Figure 9: Lowe's Ent_MID-DAY Peak-Hour Turning Movements

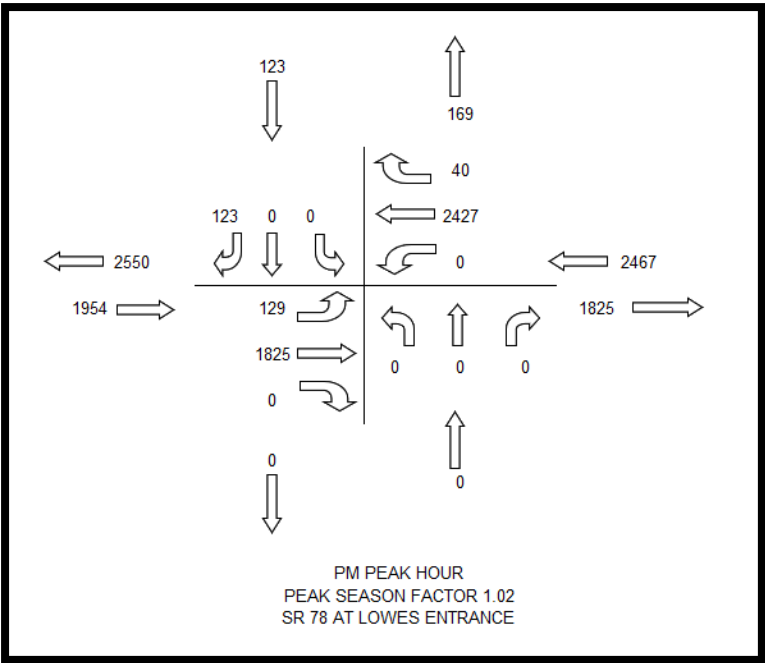


Figure 10: Lowe's Ent_PM Peak-Hour Turning Movements

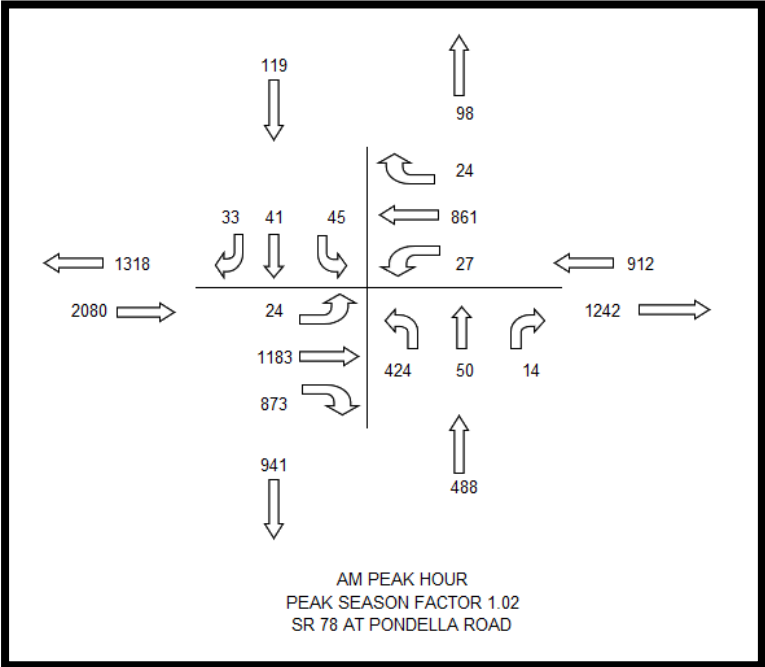


Figure 11: Pondella Rd_AM Peak-Hour Turning Movements

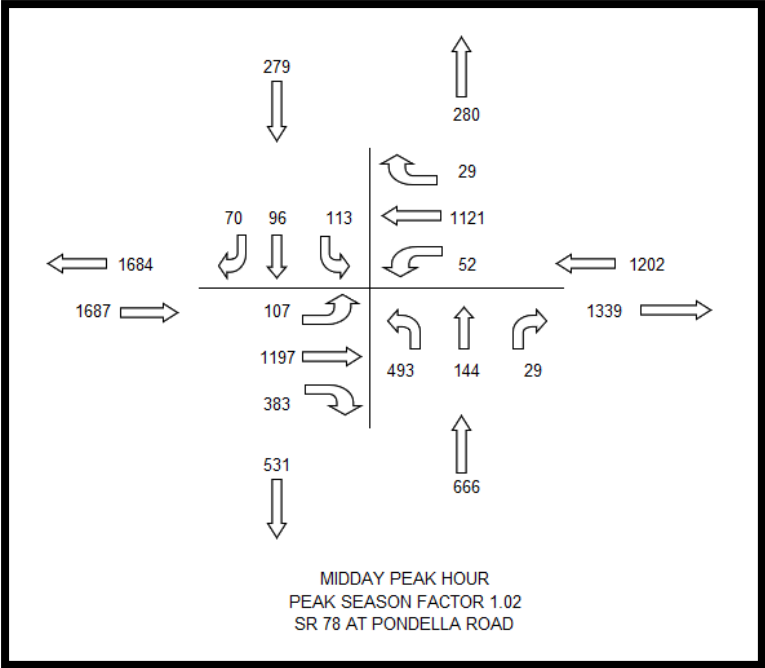


Figure 12: Pondella Rd_MID-DAY Peak-Hour Turning Movements

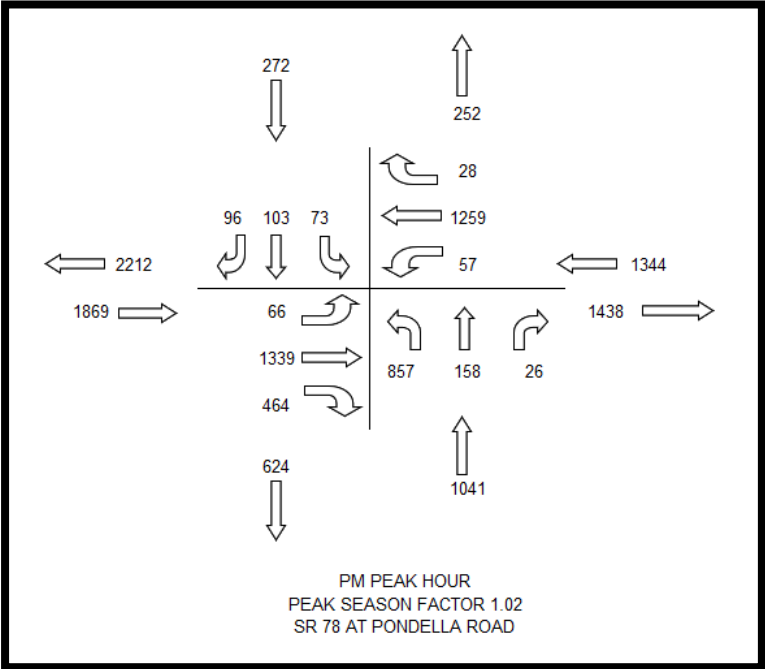


Figure 13: Pondezza Rd_PM Peak-Hour Turning Movements

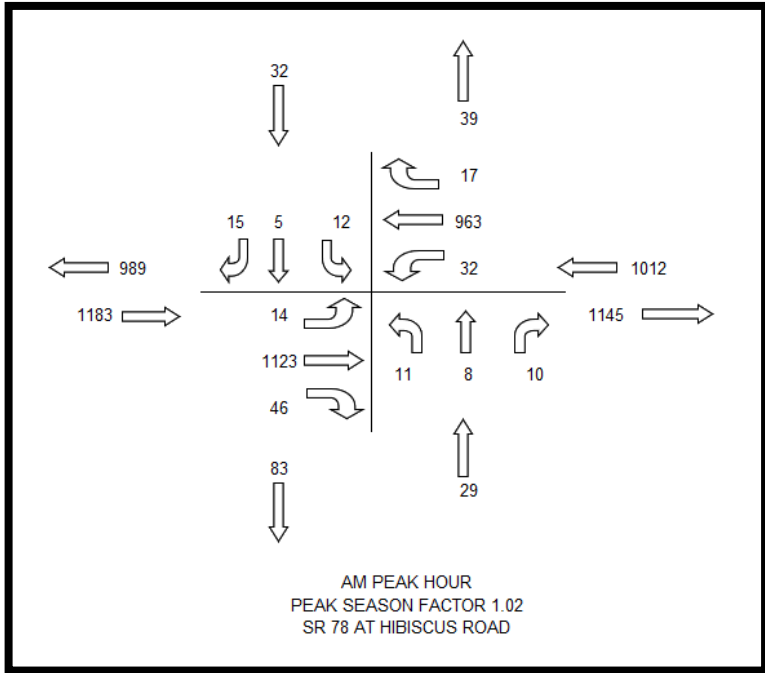


Figure 14: Hibiscus Rd_AM Peak-Hour Turning Movements

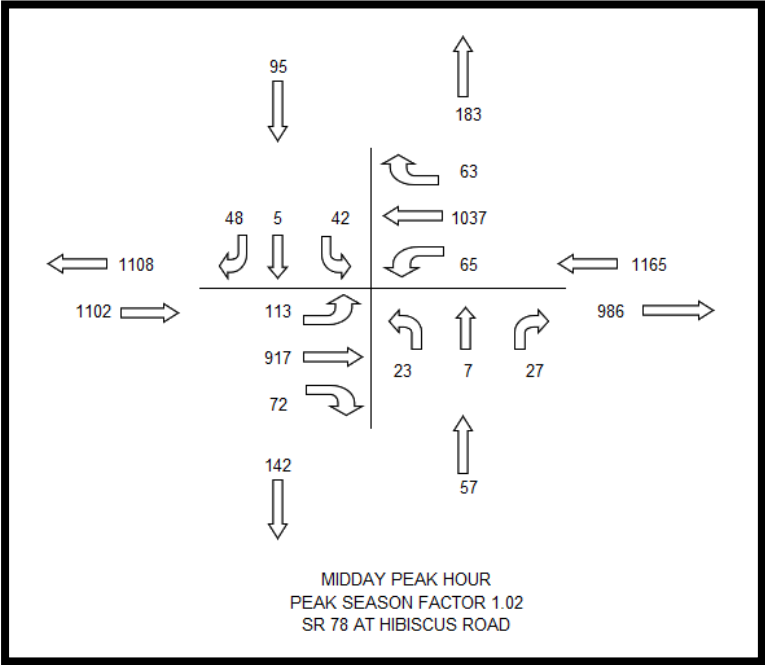


Figure 15: Hibiscus Rd_MID-DAY Peak-Hour Turning Movements

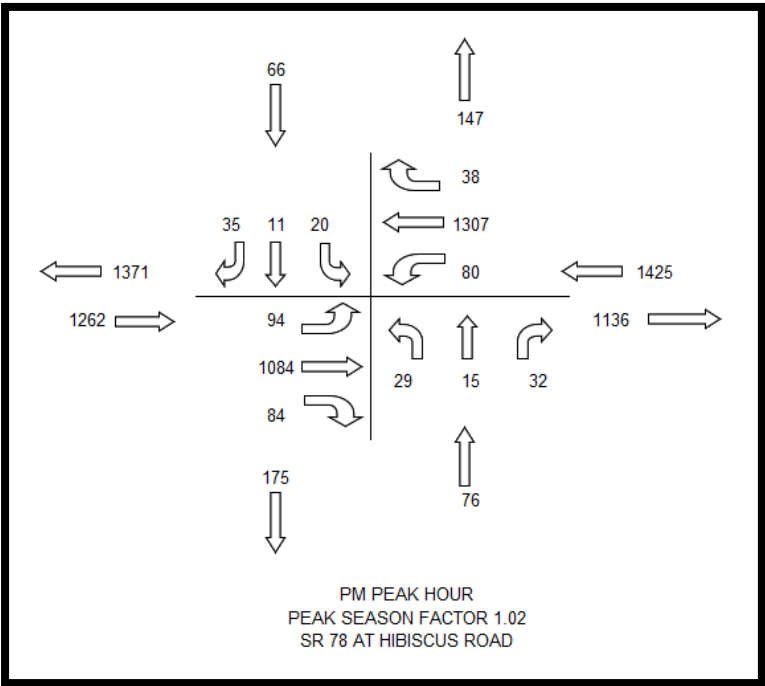


Figure 16: Hibiscus Rd_PM Peak-Hour Turning Movements

3.3 Vehicle Count Data

There is one telemetered traffic monitoring stations (TTMS) along the study corridor east of Pondella Road. There are three portable traffic monitoring stations (PTMSs) and one TTMS in the vicinity of the study corridor. **Table 5** shows the locations and count data of these PTMSs and TTMSs.

Table 5: Segment AADT

Street	PTMS/TTMS	Section	Mile Post	Year	AADT	T-Factor
SR 78, east of Pondella Rd	126049 TTMS	12060000	12.745	2016	28,134	7.0
SR 78, east of Del Prado Blvd	120038 PTMS	12060000	11.934	2018	45,000	9.3
Del Prado Blvd, 0.5 mi north of SR 78	122024 TTMS	12000147	0.501	2018	30,000	4.2
Del Prado Blvd, south of SR 78	124267 PTMS	12501000	7.168	2018	30,500	14.8
Pondella Rd, South of SR 78	124373 PTMS	12580000	0.040	2018	19,400	5.7

3.4 Recently Completed/Future Projects

Based on a review of FDOT's Work Program, zero projects were identified within the study limits for the next five years. Past projects include:

Table 6: Work Program Projects

Item Number	Type of Work	Description	Length	Letting Year
425229-1	RRR	SR 78 (PINE ISLAND) FROM W OF SANTA BARBARA TO W OF DEL PRADO BLVD	2.240	2012
440134-1	RRR	SR 78 (PINE ISLAND) FROM E OF DEL PRADO BLVD TO WEST OF US 41 (SR 45)	2.629	2011
N/A	Intersection Improvement	SR 78 (PINE ISLAND) AT DEL PRADO BLVD	0.46	2009

4. QUALITATIVE ASSESSMENT

The corridor study along SR 78 from Del Prado Blvd to Hibiscus Dr was observed by a registered professional engineer during the morning and afternoon peak periods of an average weekday to assess

the existing operating conditions and to determine what, if any, improvements could be made to improve the safety and efficiency at this intersection.

4.1 Operational Analysis

Operations include the efficiency of operations and interaction of motor vehicles, transit vehicles, pedestrians, and bicycles on the roadway. The results of these observations are summarized below.

- The morning peak was at 7:30 AM and the afternoon peak was at 4:00 PM.
- The truck volume along the corridor averaged to 4.4%.
- The northbound right movement's highest volume at Del Prado Boulevard was 465 vehicles per hour. When attempting to cross the eastern leg of this intersection during the field review, vehicles did not stop to let me cross as traffic was nonstop. Another location with a heavy right turn movement was the eastbound rights at Pondella Road. The highest volume during the counts was 861 vehicles per hour. Again, vehicles would not let me cross at the southern leg of this intersection since traffic was nonstop. With both intersections, the pedestrian has the walk, but the motorists have greens balls, traffic is nonstop, and traffic is moving fast around the right turn. **With three pedestrian crashes and three bicycle crashes, consider adding R10-15 signs (single post) on all approaches to both signalized intersections to remind drivers to yield to pedestrians. Place signs at the yield point, except for the ones approaching the proposed raised island locations. These signs can be placed 50'-75' back from the yield point. Additionally, consider implementing LPIs for the crosswalks at Del Prado Boulevard and at Pondella Road to give pedestrians a chance to enter the crosswalk.**
- The length of the westbound left turn lane approaching Pondella Road is currently 485 feet. The thru westbound traffic queued beyond this turn lane during the field review. Evidence of off-tracking was present, as shown in **Figure 17** below.



Figure 17: Westbound Left Turn Lane at Pondella Road

The westbound left turn lane approaching Pondella was analyzed in Synchro to determine if the problem is adequate queue length. The 95th percentile volume queue length found was 208 feet. With a deceleration length of 290 feet per FDM, the total needed length would be 498 feet. Further look at the results shows that the westbound thru queue is 1260 feet. In conclusion, it is not recommended to add additional pavement for this left turn lane. The Synchro analysis is found in **Appendix G. Consider delineators to prevent people from driving on the grass.**

- The traffic signal at Del Prado Blvd has right turn overlaps at all four corners. The traffic signal at Pondella Rd has a right turn overlap at the southwest corner only. With heavy right turns at these, RTOs are necessary.
- The existing signal timings at Del Prado Blvd and at Pondella Rd are in **Appendix H**. The pedestrian crosswalk walk times shown were sufficient at each approach with a walk time of 3.5 feet/second or less. Red clearance interval times and yellow change interval times were all per criteria of the FDOT TEM Chapter 3.6.2.

4.2 Maintenance

In addition to observing operational and safety conditions during the field review, correctible maintenance items were reviewed.

- The Pedestrian Ahead sign on Del Prado Boulevard, approximately 300 feet north of SR 78, is obscured by overgrown landscape as shown in **Figure 18**. **Consider trimming the landscape around the Pedestrian Ahead sign on Del Prado Boulevard, approximately 300 feet north of SR 78, so that it is visible to drivers.**



Figure 18: Pedestrian Ahead sign on Del Prado Boulevard, 300 feet north of SR 78

- At the time of the field review, evidence of maintenance work was in the area of SR 78 at Del Prado Boulevard. No workers were present, however, the two western corners of the intersection had construction waste littered on the sidewalks, as shown in **Figure 19**.



Figure 19: Construction Waste on Sidewalks at SR 78 and Del Prado Blvd

- On Pondella Road, approximately 280 feet south of SR 78, there is a hole in the concrete slab surrounding a manhole for a storm drain as shown in **Figure 20**. **Consider repairing the hole or replacing the storm drain slab surrounding the manhole on northbound Pondella Road, located approximately 280 feet south of SR 78.**



Figure 20: Hole in Slab Around Manhole on Northbound Pondella Road Approximately 280 feet south of SR 78

- At the south east corner of SR 78 and Del Prado Boulevard, there is one point of the sidewalk where the two slabs do not meet flush together as shown in **Figure 21**. **Consider grinding down the high end of the sidewalk where the two slabs are not flush together located at the southeast corner of SR 78 and Del Prado Boulevard.**



Figure 21: Sidewalk Concrete Slabs Not Flush at the Southeast Corner of SR 78 and Del Prado Boulevard

4.3 Best Practices

In addition to observing operational, safety, and maintenance conditions during the field review, correctible engineering best practice items were also reviewed.

- The westbound bike lane located 300 feet west of Del Prado Boulevard is striped with a 6" white line and diagonal crosshatch markings extending across the bike lane as if it were ending as shown in **Figure 22**. However, the bike lane does not end. **Consider removing the 6" white line and diagonal crosshatch markings that are currently in the bike lane for westbound bike lane located 300 feet west of Del Prado Boulevard.**



Figure 22: Westbound Bike Lane Approximately 300 feet West of Del Prado Boulevard

- The north side of SR 78 has 6" white 2'-4' skip connecting the bike lanes across the roads and major driveways. The south side does not. **Consider adding 6" white 2'-4' skip pavement markings connecting the bike lane across the two major driveways (the entrance with Wawa and the entrance with Five Guys) and Hibiscus Dr on the south side of SR 78 that don't have currently have markings.**

5. RECOMMENDATIONS

Based on the results of the data collection, crash analysis, qualitative assessment, operational assessment and engineering judgment, the following recommendations were developed:

1. **Consider restricting eastbound left turns into this Lowe's Entrance and removing the pavement in the median. Construct an additional left turn lane for the eastbound approach at Pondella Road to allow for adequate queue length because of the additional traffic. A Synchro analysis at Pondella calculated a 95th percentile queue length of 224 feet. With a deceleration length of 290 feet per FDM, the total length of this two-lane left turn lane needs to be 515 feet. The Synchro analysis of a single left and double left turn lane is found in Appendix G. A new mast arm is needed to accommodate an additional left arrow signal head for the new lane.**
2. **Consider marking all of the crosswalks at the signalized intersection of SR 78 at Del Prado Boulevard per Standard Plans Index 711-001.**
3. **Consider raised pedestrian/channelization islands on the northeast and southwest corners of Del Prado Blvd to protect pedestrians and shorten the crosswalk length. As a result, the following shall be done.**
 - a. **Realign the crosswalks with the raised islands.**
 - b. **Add crosswalks between the raised islands and the corner radii to protect the pedestrians crossing from island to corner.**
 - c. **Add pedestrian signals on the islands.**
 - d. **Add W11-2/W16-7P signs at the yield point for the raised channelized islands. The signs should be double flanked, one on the island and one on the corner radii.**
4. **Consider retrofitting the existing high pressure sodium light fixtures to LED light fixtures (27 total) from west of Del Prado to east of Pondella to improve the overall lighting on the corridor. Consider an evaluation of the lighting at the southeast corner of the intersection of SR 78 at Del Prado Boulevard and add an additional light pole approximately 85' south of the southern crosswalk.**

5. With three pedestrian crashes and three bicycle crashes, consider adding R10-15 signs (single post) on all approaches to both signalized intersections to remind drivers to yield to pedestrians. Place signs at the yield point, except for the ones approaching the proposed raised island locations. These signs can be placed 50'-75' back from the yield point. Additionally, consider implementing LPIs for the crosswalks at Del Prado Boulevard and at Pondella Road to give pedestrians a chance to enter the crosswalk.
6. Consider restricting left turns from northbound/southbound Hibiscus Drive with a bi-directional median opening at Hibiscus Drive.

Best Practices

7. Consider removing the 6" white line and diagonal crosshatch markings that are currently in the bike lane for westbound bike lane located 300 feet west of Del Prado Boulevard.
8. Consider adding 6" white 2'-4' skip pavement markings connecting the bike lane across the two major driveways (the entrance with Wawa and the entrance with Five Guys) and Hibiscus Dr on the south side of SR 78 that don't have currently have markings.

Maintenance

9. Consider trimming the landscape around the Pedestrian Ahead sign on Del Prado Boulevard, approximately 300 feet north of SR 78, so that it is visible to drivers.
10. Consider repairing the hole or replacing the storm drain slab surrounding the manhole on northbound Pondella Road, located approximately 280 feet south of SR 78.
11. Consider grinding down the high end of the sidewalk where the two slabs are not flush together located at the southeast corner of SR 78 and Del Prado Boulevard.
12. Consider delineators to prevent people from driving on the grass approaching the westbound left turn lane at Pondella Road.

The Conceptual Improvement Plan and Engineer's Estimate are found in **Appendix E**. The Benefit Cost Ratio and Net Present Value are found in **Appendix H**.



APPENDIX A: Straight Line Diagram

5 YR INV		SLD REV		BMP		EMP		INV		SLD REV		FLORIDA DEPARTMENT OF TRANSPORTATION STRAIGHT LINE DIAGRAM OF ROAD INVENTORY										SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO:																																																																																																																																																																																																																																																																																															
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<table><tr><td rowspan="4">ROADWAY FEATURES</td><td rowspan="4">LANE WIDTHS ARE AVERAGED</td><td colspan="2">INSIDE CITY, AND URBAN CAPE CORAL PINE ISLAND RD SR 78</td><td colspan="2">INSIDE CITY, AND URBAN CAPE CORAL PINE ISLAND RD SR 78</td><td colspan="2">LOWES ENT</td><td colspan="2">LOWES ENT</td><td colspan="2">PUBLIX ENT</td><td colspan="2">NE 17 PL</td><td colspan="2">NORTH POINT ENT</td><td colspan="2">BUS ENT</td><td colspan="2">6049</td><td colspan="2">HIBISCUS DR</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">DEL PRADO BLVD</td><td colspan="2"></td><td colspan="2">UNSIGNED</td><td colspan="2"></td><td colspan="2">PONDELLA RD</td><td colspan="2">TARGET ENT</td><td colspan="2">CORAL WALK ENT</td><td colspan="2">DEL PINE DR</td><td colspan="2"></td><td colspan="2">HIBISCUS DR</td><td colspan="2">WALMART ENT</td><td colspan="2"></td></tr><tr><td colspan="2">152.0' - 33.0'L+36.0'R 3 - 11.0'L + 3 - 12.0'R RDWY 46.0 CB&VEG MED 2 - 2.0' C&G INSHLD1 5.0' PVD SHLD1 - LT 8.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">123.0' - 44.0' 4 - 11.0' RDWY 47.0 VEG MED 4.0' PVD INSHLD1 - RT 2 - 4.0' PVD SHLD1 2 - 12.0' LWN SHLD2</td><td colspan="2">124.0' - 24.0'L+22.0'R 3 - 11.0'L + 3 - 12.0'R RDWY 46.0 CB&VEG MED 2 - 2.0' C&G INSHLD1 2 - 4.0' PVD SHLD1 2 - 12.0' LWN SHLD2</td><td colspan="2">125.0' - 44.0' 4 - 11.0' RDWY 47.0 VEG MED 4.0' PVD INSHLD1 - LT 4.0' PVD SHLD1 - LT 6.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2</td><td colspan="2">125.0' - 44.0' 4 - 11.0' RDWY 47.0 VEG MED 4.0' PVD INSHLD1 - RT 6.0' PVD SHLD1 - LT 4.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2</td><td colspan="2">127.0' - 48.0' 4 - 12.0' RDWY 47.0 VEG MED 2 - 4.0' PVD INSHLD1 2 - 4.0' PVD SHLD1 2 - 12.0' LWN SHLD2</td><td colspan="2">131.0' - 48.0' 4 - 12.0' RDWY 47.0 VEG MED 8.0' PVD INSHLD1 - LT 4.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">12.061</td><td colspan="2">12.061</td><td colspan="2">12.144</td><td colspan="2">12.244</td><td colspan="2">12.361</td><td colspan="2">12.454</td><td colspan="2">12.555</td><td colspan="2">12.645</td><td colspan="2">12.745</td><td colspan="2">12.802</td><td colspan="2">12.898</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td>ROADWAY</td><td colspan="26">28/FC-4</td></tr><tr><td>COMPOSITION</td><td colspan="26">28/FC-4</td></tr><tr><td>HORIZONTAL ALIGNMENT</td><td colspan="26"></td></tr><tr><td>STRUCTURE DESCRIPTION</td><td colspan="26"> 12.210 1 - 18" X 180' CC 12.477 1 - 18" X 92' CC 12.704 1 - 18" X 172' CC 12.869 1 - 18" X 93' CC </td></tr><tr><td>DISTRICT USE</td><td colspan="26"></td></tr><tr><td>SIS</td><td colspan="26"></td></tr><tr><td>FUN CLASS</td><td colspan="26">URBAN PRIN ART OTHER</td></tr></table>																											ROADWAY FEATURES	LANE WIDTHS ARE AVERAGED	INSIDE CITY, AND URBAN CAPE CORAL PINE ISLAND RD SR 78		INSIDE CITY, AND URBAN CAPE CORAL PINE ISLAND RD SR 78		LOWES ENT		LOWES ENT		PUBLIX ENT		NE 17 PL		NORTH POINT ENT		BUS ENT		6049		HIBISCUS DR						DEL PRADO BLVD				UNSIGNED				PONDELLA RD		TARGET ENT		CORAL WALK ENT		DEL PINE DR				HIBISCUS DR		WALMART ENT				152.0' - 33.0'L+36.0'R 3 - 11.0'L + 3 - 12.0'R RDWY 46.0 CB&VEG MED 2 - 2.0' C&G INSHLD1 5.0' PVD SHLD1 - LT 8.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2								123.0' - 44.0' 4 - 11.0' RDWY 47.0 VEG MED 4.0' PVD INSHLD1 - RT 2 - 4.0' PVD SHLD1 2 - 12.0' LWN SHLD2		124.0' - 24.0'L+22.0'R 3 - 11.0'L + 3 - 12.0'R RDWY 46.0 CB&VEG MED 2 - 2.0' C&G INSHLD1 2 - 4.0' PVD SHLD1 2 - 12.0' LWN SHLD2		125.0' - 44.0' 4 - 11.0' RDWY 47.0 VEG MED 4.0' PVD INSHLD1 - LT 4.0' PVD SHLD1 - LT 6.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2		125.0' - 44.0' 4 - 11.0' RDWY 47.0 VEG MED 4.0' PVD INSHLD1 - RT 6.0' PVD SHLD1 - LT 4.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2		127.0' - 48.0' 4 - 12.0' RDWY 47.0 VEG MED 2 - 4.0' PVD INSHLD1 2 - 4.0' PVD SHLD1 2 - 12.0' LWN SHLD2		131.0' - 48.0' 4 - 12.0' RDWY 47.0 VEG MED 8.0' PVD INSHLD1 - LT 4.0' PVD SHLD1 - RT 2 - 12.0' LWN SHLD2						12.061		12.061		12.144		12.244		12.361		12.454		12.555		12.645		12.745		12.802		12.898						ROADWAY	28/FC-4																										COMPOSITION	28/FC-4																										HORIZONTAL ALIGNMENT																											STRUCTURE DESCRIPTION	12.210 1 - 18" X 180' CC 12.477 1 - 18" X 92' CC 12.704 1 - 18" X 172' CC 12.869 1 - 18" X 93' CC																										DISTRICT USE																											SIS																											FUN CLASS	URBAN PRIN ART OTHER																									
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COMPOSITION	28/FC-4														
HORIZONTAL ALIGNMENT	CURVE DATA NOT FIELD VERIFIED														
STRUCTURE DESCRIPTION															
DISTRICT USE															
SIS															
FUN CLASS	URBAN PRIN ART OTHER														



APPENDIX B: Condition Diagram

CONDITION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE 07/08/2020 PREPARED BY HNTB



MATCHLINE - SEE SHEET 2

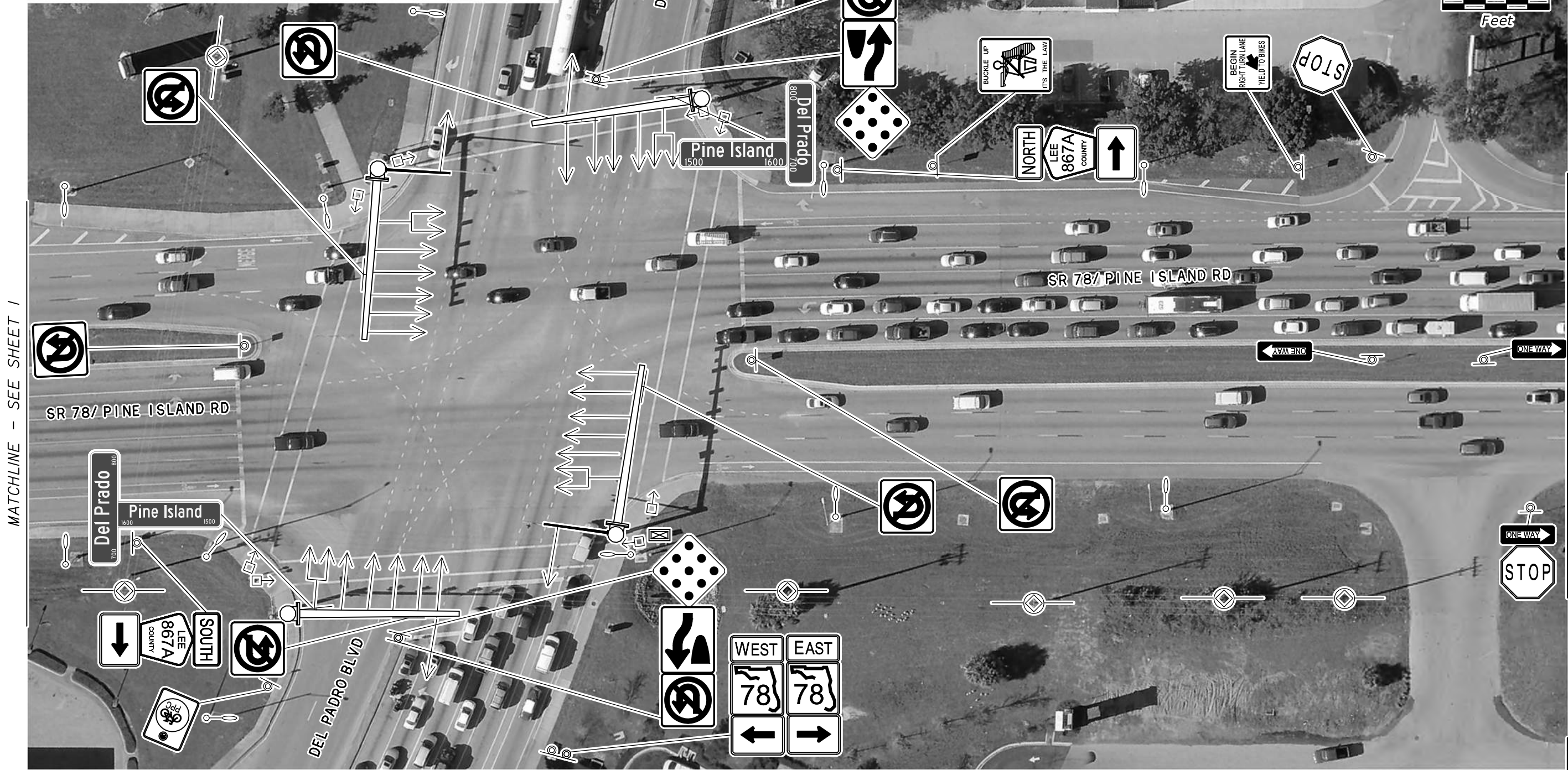
SHEET
1

SYMBOLS

	FENCE		BUS STOP BENCH		CONTROLLER CABINET		SIGNAL STRAIN POLE		POWER POLE		SINGLE POST SIGN
	GUARDRAIL		HYDRANT		PED. SIGNAL PEDESTAL		SIGNAL MAST ARM		COMBINATION POLE		MULTI-POST SIGN
	BUILDING		STREET NAME SIGN		TRAFFIC SIGNAL PEDESTAL		SIGNAL HEAD		LIGHT POLE		OVERHEAD SIGN

CONDITION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE 07/08/2020 PREPARED BY HNTB



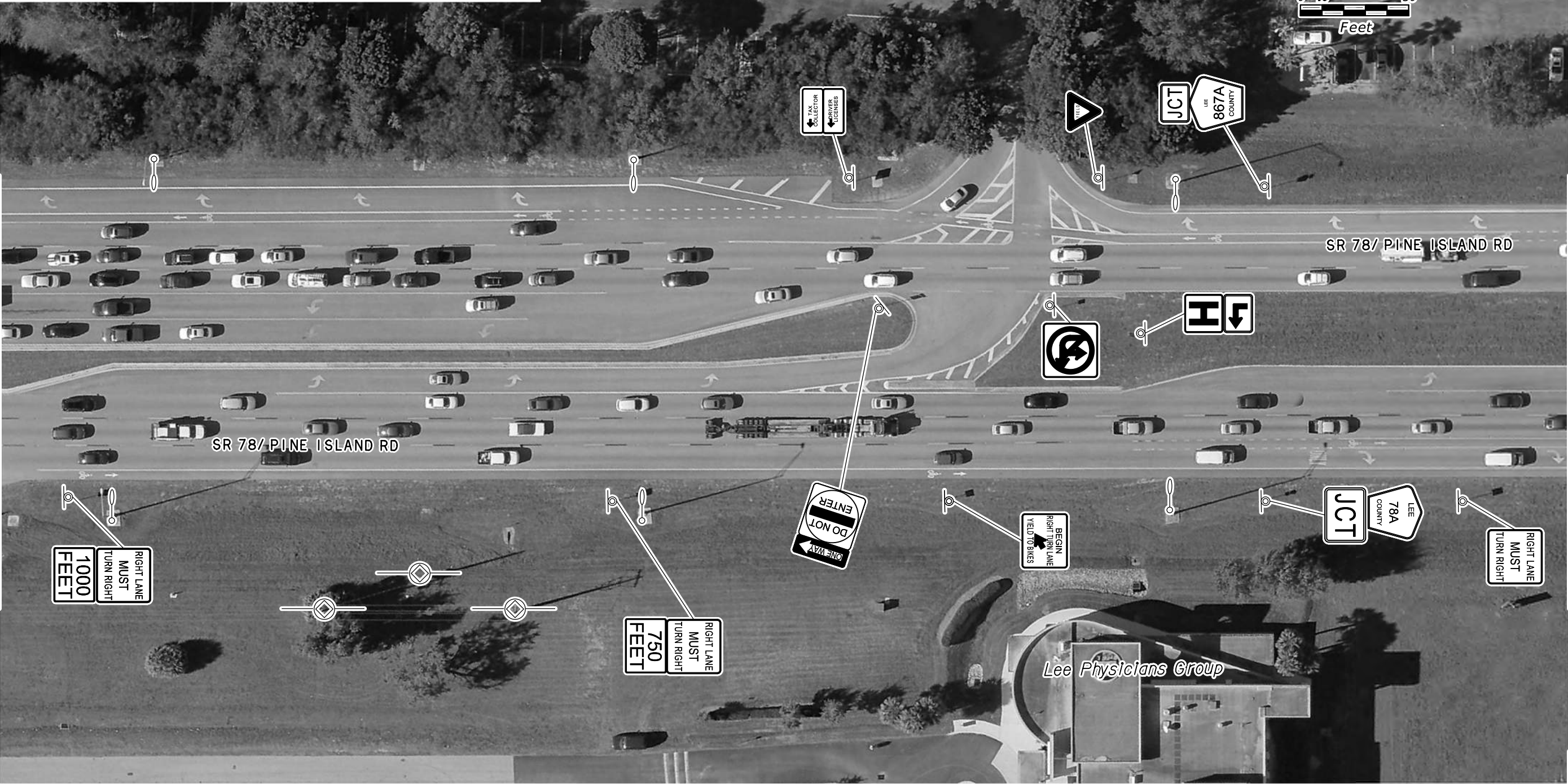
SYMBOLS

	FENCE		BUS STOP BENCH		CONTROLLER CABINET		SIGNAL STRAIN POLE		POWER POLE		SINGLE POST SIGN
	GUARDRAIL		HYDRANT		PED. SIGNAL PEDESTAL		SIGNAL MAST ARM		COMBINATION POLE		MULTI-POST SIGN
	BUILDING		STREET NAME SIGN		TRAFFIC SIGNAL PEDESTAL		SIGNAL HEAD		LIGHT POLE		OVERHEAD SIGN

CONDITION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE 07/08/2020 PREPARED BY HNTB

MATCHLINE - SEE SHEET 2

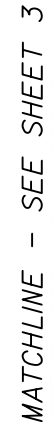


MATCHLINE - SEE SHEET 4

SYMBOLS

	FENCE		BUS STOP BENCH		CONTROLLER CABINET		SIGNAL STRAIN POLE		POWER POLE		SINGLE POST SIGN
	GUARDRAIL		HYDRANT		PED. SIGNAL PEDESTAL		SIGNAL MAST ARM		COMBINATION POLE		MULTI-POST SIGN
	BUILDING		STREET NAME SIGN		TRAFFIC SIGNAL PEDESTAL		SIGNAL HEAD		LIGHT POLE		OVERHEAD SIGN

LOCATION	SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR		
COUNTY	LEE	CITY	FORT MYERS
DATE	07/18/2020	PREPARED BY	HNTB

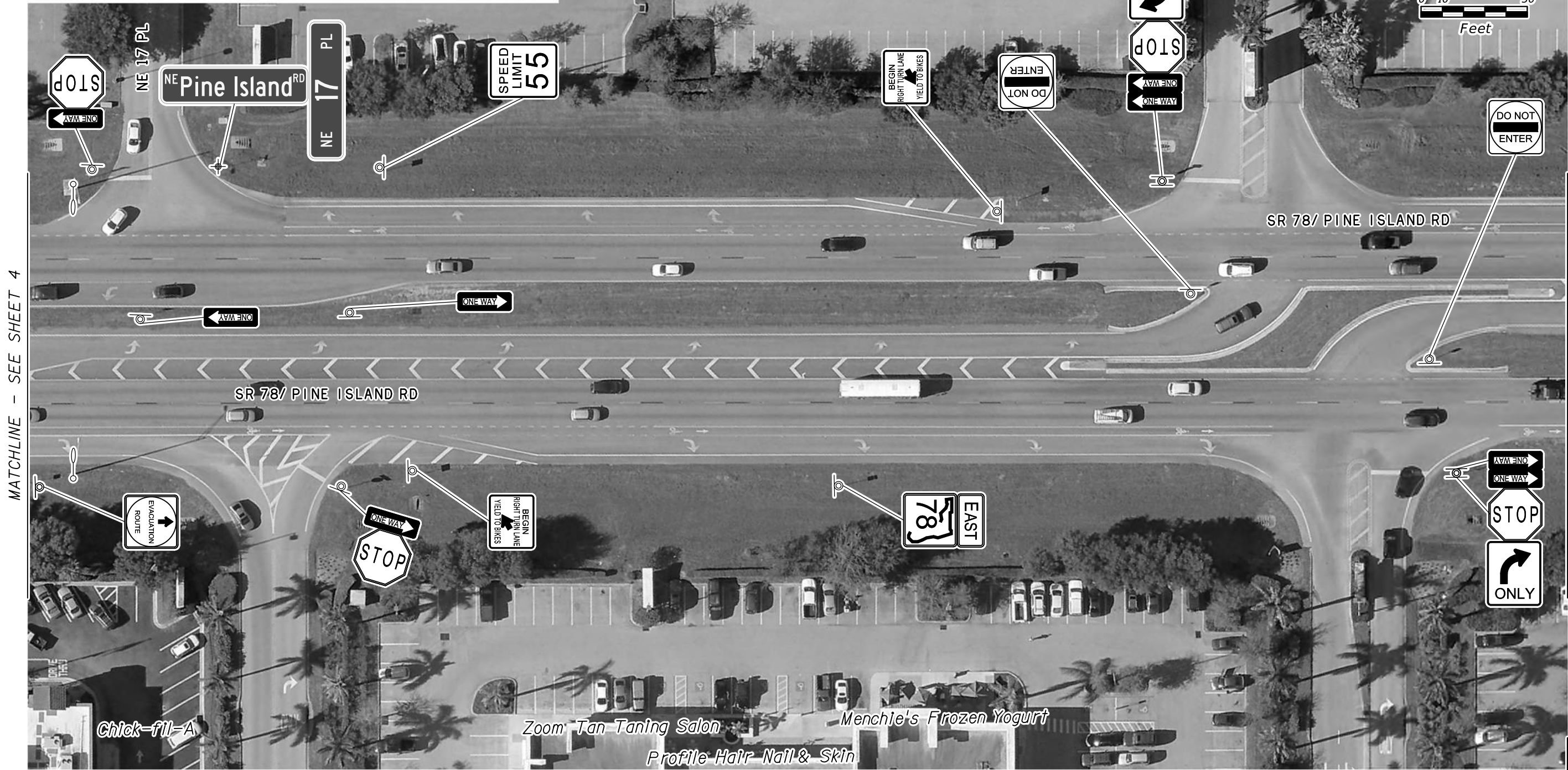


MAIL CHINE - SEE SHEET 13

	FENCE		BUS STOP BENCH		CONTROLLER CABINET		SIGNAL STRAIN POLE		POWER POLE		SINGLE POST SIGN
	GUARDRAIL		HYDRANT		PED. SIGNAL PEDESTAL		SIGNAL MAST ARM		COMBINATION POLE		MULTI-POST SIGN
	BUILDING		STREET NAME SIGN		TRAFFIC SIGNAL PEDESTAL		SIGNAL HEAD		LIGHT POLE		OVERHEAD SIGN

CONDITION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE 07/08/2020 PREPARED BY HNTB



SYMBOLS

	FENCE		BUS STOP BENCH		CONTROLLER CABINET		SIGNAL STRAIN POLE		POWER POLE		SINGLE POST SIGN
	GUARDRAIL		HYDRANT		PED. SIGNAL PEDESTAL		SIGNAL MAST ARM		COMBINATION POLE		MULTI-POST SIGN
	BUILDING		STREET NAME SIGN		TRAFFIC SIGNAL PEDESTAL		SIGNAL HEAD		LIGHT POLE		OVERHEAD SIGN

CONDITION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE 07/08/2020 PREPARED BY HNTB



MATCHLINE - SEE SHEET 5

MATCHLINE - SEE SHEET 7

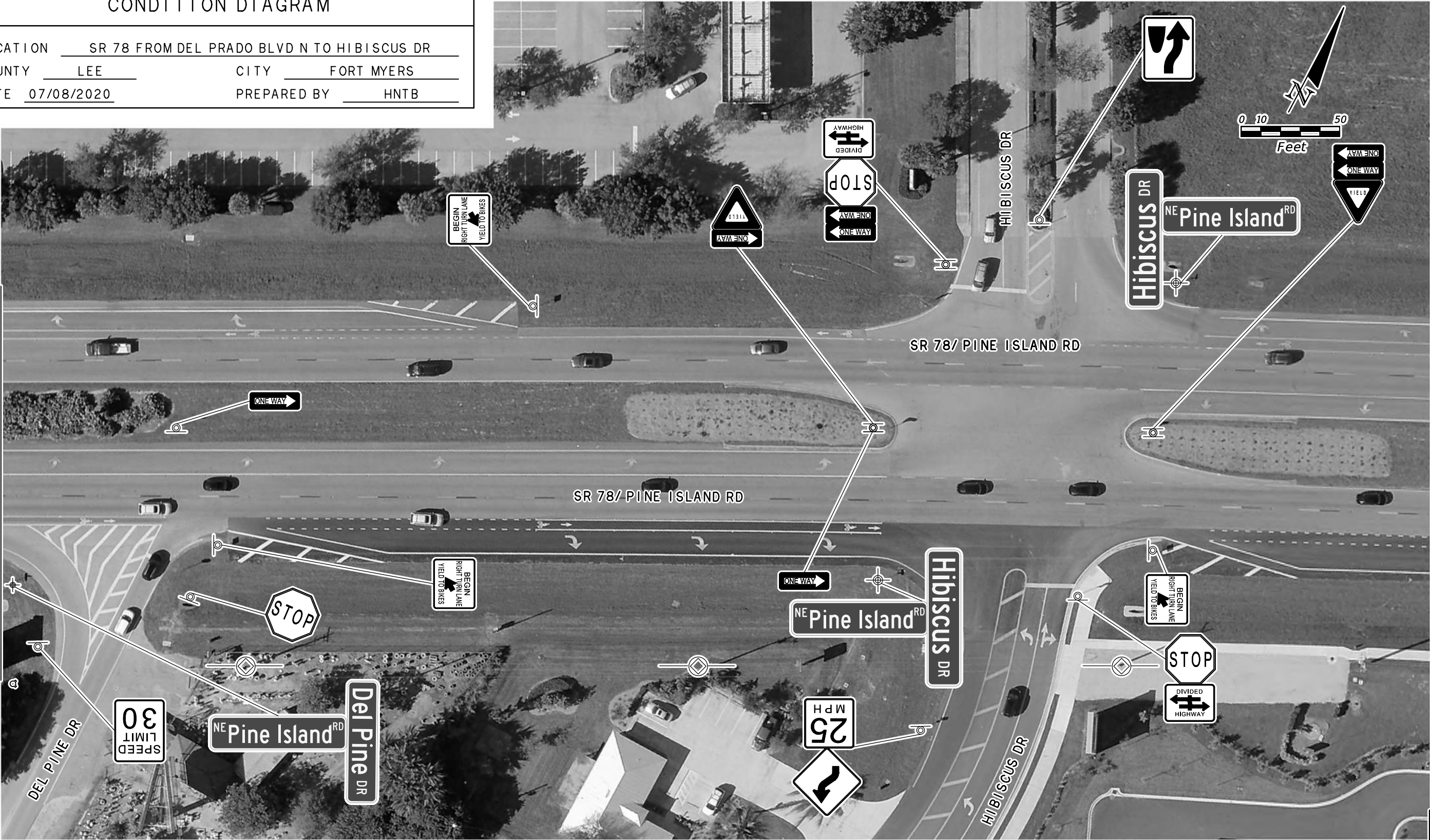
SYMBOLS

—x—x—	FENCE		BUS STOP BENCH		CONTROLLER CABINET		SIGNAL STRAIN POLE		POWER POLE		SINGLE POST SIGN
	GUARDRAIL		HYDRANT		PED. SIGNAL PEDESTAL		SIGNAL MAST ARM		COMBINATION POLE		MULTI-POST SIGN
	BUILDING		STREET NAME SIGN		TRAFFIC SIGNAL PEDESTAL		SIGNAL HEAD		LIGHT POLE		OVERHEAD SIGN

CONDITION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE 07/08/2020 PREPARED BY HNTB

MATCHLINE - SEE SHEET 6



SHEET
7

SYMBOLS

	FENCE		BUS STOP BENCH		CONTROLLER CABINET		SIGNAL STRAIN POLE		POWER POLE		SINGLE POST SIGN
	GUARDRAIL		HYDRANT		PED. SIGNAL PEDESTAL		SIGNAL MAST ARM		COMBINATION POLE		MULTI-POST SIGN
	BUILDING		STREET NAME SIGN		TRAFFIC SIGNAL PEDESTAL		SIGNAL HEAD		LIGHT POLE		OVERHEAD SIGN



APPENDIX C: Crash Data

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2014 to 12/31/2014
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
1	1/9/2014	Thu.	16:38	Left Turn		x		Day	Dry	Careless Driving	84131478	
2	1/10/2014	Fri.	7:20	Sideswipe			x	Day	Dry	Improper Turn	84131485	
3	1/17/2014	Fri.	19:59	Rear End		x		Night	Dry	Careless Driving	84131570	
4	1/28/2014	Tue.	14:48	Rear End			x	Day	Dry	Careless Driving	84131672	
5	1/30/2014	Thu.	18:30	Sideswipe			x	Night	Wet	Careless Driving	84131710	
6	2/3/2014	Mon.	15:59	Left Turn			x	Day	Dry	Careless Driving	84131753	
7	2/14/2014	Fri.	18:59	Rear End		x		Night	Dry	Careless Driving	84131900	
8	2/16/2014	Sun.	12:15	Sideswipe			x	Day	Dry	Improper Lane Change	84131919	
9	2/20/2014	Thu.	19:04	Rear End			x	Night	Dry	Followed Too Closely	84131966	
10	2/20/2014	Thu.	20:02	Left Turn		x		Night	Dry	FTYRW	84131968	
11	2/26/2014	Wed.	8:03	Rear End			x	Day	Dry	Followed Too Closely	84634124	
12	3/3/2014	Mon.	19:23	Rear End		x		Night	Dry	Followed Too Closely	84634191	
13	3/4/2014	Tue.	14:23	Rear End		x		Day	Dry	Careless Driving	84634199	
14	3/4/2014	Tue.	13:53	Sideswipe		x		Day	Dry	FTYRW	84634202	
15	3/13/2014	Thu.	17:34	Left Turn		x		Day	Dry	Disregarded Traffic Control	84634302	
16	3/16/2014	Sun.	21:00	Angle		x		Day	Dry	Improper Turn	84634326	
17	4/1/2014	Tue.	6:52	Rear End			x	Night	Dry	Followed Too Closely	84634483	
18	4/21/2014	Mon.	11:19	Rear End		x		Day	Dry	Followed Too Closely	84634701	
19	4/24/2014	Thu.	14:19	Rear End			x	Day	Dry	Followed Too Closely	84634730	
20	4/28/2014	Mon.	15:30	Bicycle		x		Day	Dry	Disregarded Traffic Control	84634779	
21	4/29/2014	Tue.	13:17	Rear End			x	Day	Dry	Followed Too Closely	84634785	
22	5/1/2014	Thu.	18:34	Rear End		x		Day	Dry	Careless Driving	84634809	
23	5/2/2014	Fri.	15:31	Rear End		x		Day	Dry	FTYRW	84634817	
24	5/9/2014	Fri.	12:45	Rear End			x	Day	Dry	Followed Too Closely	84634901	
25	5/9/2014	Fri.	22:39	Rear End			x	Night	Dry	Careless Driving	84634908	
26	5/12/2014	Mon.	16:31	Rear End			x	Day	Dry	Careless Driving	84634929	
27	5/26/2014	Mon.	10:37	Rear End		x		Day	Dry	Careless Driving	84635079	
28	5/27/2014	Tue.	9:24	Rear End			x	Day	Dry	Careless Driving	84635088	
29	5/28/2014	Wed.	17:10	Rear End		x		Day	Dry	Followed Too Closely	84152427	
30	6/14/2014	Sat.	11:05	Rear End		x		Day	Wet	Careless Driving	84635260	
31	6/15/2014	Sun.	17:31	Rear End			x	Day	Wet	Exceeded Speed Limit	84635274	
32	6/17/2014	Tue.	7:13	Rear End			x	Day	Dry	Followed Too Closely	84635305	
33	6/18/2014	Wed.	15:47	Rear End		x		Day	Wet	Careless Driving	84635316	
34	6/21/2014	Sat.	23:33	Left Turn		x		Night	Dry	Disregarded Traffic Signal	84635346	
35	6/25/2014	Wed.	15:19	Rear End			x	Day	Dry	Followed Too Closely	84635368	
36	6/28/2014	Sat.	21:17	Off Road		x		Night	Dry	Exceeded Speed Limit	84635403	
37	6/30/2014	Mon.	12:40	Collision w/ Object			x	Day	Dry	Improper Load	84635413	
38	7/1/2014	Tue.	18:22	Rear End		x		Day	Dry	Careless Driving	84635424	
39	7/7/2014	Mon.	22:38	Left Turn		x		Night	Dry	FTYRW	84635465	
40	7/25/2014	Fri.	20:34	Left Turn		x		Night	Dry	FTYRW	84635517	
41	8/1/2014	Fri.	21:12	Left Turn			x	Night	Dry	Disregarded Traffic Signal	84635679	
42	8/7/2014	Thu.	1:45	Rear End			x	Night	Dry	Followed Too Closely	84635722	
43	8/11/2014	Mon.	18:37	Rear End		x		Day	Dry	Careless Driving	84635759	
44	8/25/2014	Mon.	17:26	Rear End		x		Night	Dry	Followed Too Closely	84635914	

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2014 to 12/31/2014
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
45	9/16/2014	Tue.	15:36	Rear End			x	Day	Dry	Followed Too Closely	84633635	
46	9/21/2014	Sun.	13:02	Rear End		x		Day	Wet	Followed Too Closely	84633690	
47	9/22/2014	Mon.	6:41	Rear End			x	Night	Dry	Followed Too Closely	84633692	
48	9/29/2014	Mon.	18:17	Rear End			x	Day	Dry	Careless Driving	84633788	
49	10/6/2014	Mon.	18:31	Rear End		x		Day	Dry	Followed Too Closely	84633866	
50	10/11/2014	Sat.	8:23	Rear End			x	Day	Dry	Followed Too Closely	84633920	
51	10/15/2014	Wed.	7:15	Head On		x		Day	Wet	Careless Driving	84633973	
52	10/15/2014	Wed.	6:44	Rear End		x		Night	Wet	Followed Too Closely	84633974	
53	10/23/2014	Thu.	19:48	Sideswipe			x	Night	Dry	Improper Lane Change	84633123	
54	10/29/2014	Wed.	7:53	Off Road		x		Day	Dry	Careless Driving	84633118	
55	10/29/2014	Wed.	12:11	Rear End		x		Day	Dry	Careless Driving	84633126	
56	11/19/2014	Wed.	7:05	Rear End			x	Night	Dry	Careless Driving	84633376	
57	11/21/2014	Fri.	17:02	Rear End		x		Night	Dry	Careless Driving	84633417	
58	11/24/2014	Mon.	14:23	Sideswipe		x		Day	Dry	FTYRW	84633441	
59	11/24/2014	Mon.	15:43	Rear End		x		Day	Dry	Careless Driving	84633443	
60	11/25/2014	Tue.	23:07	Left Turn			x	Night	Dry	Disregarded Traffic Signal	84633459	
61	11/26/2014	Wed.	12:51	Rear End		x		Day	Dry	Careless Driving	84633469	
62	12/1/2014	Mon.	10:48	Rear End		x		Day	Dry	Followed Too Closely	84633517	
63	12/1/2014	Mon.	18:20	Left Turn		x		Night	Dry	Other	84633528	
64	12/5/2014	Fri.	14:15	Left Turn	x			Day	Dry	FTYRW	84633580	
65	12/17/2014	Wed.	14:09	Rear End		x		Day	Dry	Careless Driving	85716801	
66	12/18/2014	Thu.	16:30	Rear End			x	Day	Dry	Improper Lane Change	85614217	
67	12/24/2014	Wed.	20:54	Rear End			x	Night	Dry	Careless Driving	85716905	
68	12/26/2014	Fri.	9:58	Rear End			x	Day	Dry	Careless Driving	85716910	
69	12/29/2014	Mon.	16:28	Rear End		x		Day	Dry	Careless Driving	85716945	
70	12/31/2014	Wed.	0:06	Fell From Vehicle		x		Night	Wet	Other	85716964	
71	12/31/2014	Wed.	14:55	Bicycle			x	Day	Dry	FTYRW	85716969	

Total No.	Fatal	Injury	Property Damage	Angle	Left Turn	Head On	Right Turn	Rear End	Side Swipe	Collision w/ Sign	Overtaken	Collision w/ Pole	Hit Animal	Run Off Road	Other
71	1	39	31	1	11	1	0	46	6	0	0	0	0	2	0
%	1	55	44	1	15	1	0	65	8	0	0	0	0	3	0
One Vehicle	Ped/ Bike	Day	Night	Dry	Wet	Careless Driving	FTYRW	Improper Turn	DUI	Improper Lane Change	Disregarded Traffic Signal	Failed to Maintain Vehicle	Improper Load	No Improper Driving	Other
2	2	47	24	63	8	28	8	2	0	3	3	0	1	0	2
3	3	66	34	89	11	39	11	3	0	4	4	0	1	0	3

Notice:

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COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2015 to 12/31/2015
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
1	1/3/2015	Sat.	12:29	Rear End		x		Day	Dry	Followed Too Closely	85717007	
2	1/5/2015	Mon.	16:12	Left Turn		x		Day	Dry	Careless Driving	85717026	
3	1/14/2015	Wed.	17:49	Rear End			x	Night	Dry	Careless Driving	85717138	
4	1/19/2015	Mon.	18:41	Backed Into			x	Night	Dry	Improper Backing	85717201	
5	1/20/2015	Tue.	16:48	Rear End			x	Day	Dry	Careless Driving	85717215	
6	1/23/2015	Fri.	16:28	Left Turn		x		Day	Dry	Disregarded Traffic Control	85717246	
7	1/24/2015	Sat.	13:44	Rear End			x	Day	Dry	Careless Driving	85717256	
8	1/24/2015	Sat.	14:48	Left Turn			x	Day	Dry	FTYRW	85717259	
9	1/31/2015	Sat.	17:29	Rear End		x		Day	Dry	Followed Too Closely	85717343	
10	2/10/2015	Tue.	16:24	Left Turn			x	Day	Dry	Disregarded Traffic Control	85717458	
11	2/10/2015	Tue.	17:17	Sideswipe			x	Day	Dry	Improper Lane Change	85717459	
12	2/13/2015	Fri.	15:22	Left Turn			x	Day	Dry	FTYRW	85717502	
13	2/13/2015	Fri.	20:16	Rear End			x	Night	Dry	Followed Too Closely	85717511	
14	2/17/2015	Tue.	1:55	Rollover		x		Night	Dry	Careless Driving	85717554	
15	2/28/2015	Sat.	19:43	Rear End		x		Night	Wet	Followed Too Closely	85717686	
16	3/2/2015	Mon.	19:23	Rear End			x	Night	Dry	Followed Too Closely	85717703	
17	3/9/2015	Mon.	17:35	Left Turn			x	Day	Dry	FTYRW	85717797	
18	3/20/2015	Fri.	16:30	Left Turn		x		Day	Dry	FTYRW	85717955	
19	3/22/2015	Sun.	20:07	Rear End		x		Night	Dry	Careless Driving	85717977	
20	3/23/2015	Mon.	13:47	Rear End			x	Day	Wet	Exceeded Speed Limit	85717989	
21	3/23/2015	Mon.	17:45	Rear End			x	Day	Dry	Careless Driving	85717993	
22	3/24/2015	Tue.	18:26	Rear End		x		Day	Dry	Other	85718009	
23	3/25/2015	Wed.	14:50	Rear End			x	Day	Dry	Followed Too Closely	85718019	
24	3/27/2015	Fri.	9:29	Fell From Vehicle		x		Day	Wet	Exceeded Speed Limit	85718046	
25	4/11/2015	Sat.	18:23	Rear End		x		Day	Dry	Followed Too Closely	85718228	
26	4/13/2015	Mon.	19:15	Rear End		x		Day	Dry	Careless Driving	85718245	
27	4/16/2015	Thu.	8:38	Rear End		x		Day	Dry	Followed Too Closely	85718276	
28	4/24/2015	Fri.	16:40	Rear End			x	Day	Dry	Careless Driving	85718395	
29	4/26/2015	Sun.	22:14	Angle		x		Night	Dry	Careless Driving	85718414	
30	4/28/2015	Tue.	12:33	Rear End		x		Day	Wet	Careless Driving	85882048	
31	5/5/2015	Tue.	16:38	Left Turn		x		Day	Dry	FTYRW	85882215	
32	5/14/2015	Thu.	14:39	Rear End			x	Day	Dry	Followed Too Closely	85718634	
33	5/15/2015	Fri.	14:32	Angle		x		Day	Dry	FTYRW	85718650	
34	5/19/2015	Tue.	13:58	Sideswipe			x	Day	Dry	Improper Lane Change	85718688	
35	5/23/2015	Sat.	18:21	Rear End		x		Day	Wet	Careless Driving	85718736	
36	5/28/2015	Thu.	22:17	Rear End			x	Night	Dry	Careless Driving	85718793	
37	5/29/2015	Fri.	18:10	Rear End			x	Day	Dry	Followed Too Closely	85718808	
38	6/5/2015	Fri.	15:34	Off Road			x	Day	Dry	Other	85718875	
39	6/5/2015	Fri.	15:34	Rear End		x		Day	Dry	Careless Driving	85718876	
40	6/8/2015	Mon.	18:30	Rear End			x	Day	Wet	Exceeded Speed Limit	85718910	
41	6/24/2015	Wed.	8:28	Rear End			x	Day	Dry	Careless Driving	85719035	
42	6/24/2015	Wed.	20:46	Rear End			x	Night	Wet	Followed Too Closely	85719048	
43	6/27/2015	Sat.	18:04	Sideswipe			x	Day	Dry	FTYRW	85719077	
44	6/30/2015	Tue.	18:06	Rear End			x	Day	Dry	Careless Driving	85719103	

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2015 to 12/31/2015
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
45	7/3/2015	Fri.	19:37	Left Turn		x		Night	Wet	Careless Driving	85719140	
46	7/8/2015	Wed.	11:37	Rear End		x		Day	Dry	Careless Driving	85719182	
47	7/10/2015	Fri.	11:13	Sideswipe		x		Day	Dry	FTYRW	85719198	
48	7/17/2015	Fri.	16:39	Rear End			x	Day	Wet	Exceeded Speed Limit	85719264	
49	8/3/2015	Mon.	17:35	Rear End		x		Day	Dry	Careless Driving	85719410	
50	8/8/2015	Sat.	16:01	Rear End			x	Day	Wet	Careless Driving	85719468	
51	8/10/2015	Mon.	16:23	Angle			x	Day	Dry	Careless Driving	85719495	
52	8/16/2015	Sun.	7:49	Angle			x	Day	Dry	Careless Driving	85719548	
53	8/21/2015	Fri.	16:04	Rear End			x	Day	Dry	Careless Driving	86099962	
54	9/9/2015	Wed.	20:49	Left Turn		x		Night	Dry	Disregarded Traffic Signal	85719836	
55	9/10/2015	Thu.	16:25	Rear End		x		Day	Dry	Followed Too Closely	85719846	
56	10/3/2015	Sat.	18:04	Rear End		x		Day	Dry	Followed Too Closely	85720110	
57	10/3/2015	Sat.	23:01	Left Turn		x		Night	Dry	Disregarded Traffic Signal	85720114	
58	10/6/2015	Tue.	21:37	Angle		x		Night	Dry	Careless Driving	85720155	
59	10/12/2015	Mon.	7:07	Rear End			x	Night	Dry	Careless Driving	85720208	
60	10/13/2015	Tue.	9:17	Left Turn			x	Day	Dry	FTYRW	85720220	
61	10/16/2015	Fri.	16:51	Rear End			x	Day	Dry	Other	85720269	
62	10/30/2015	Fri.	20:04	Rear End			x	Night	Dry	Followed Too Closely	85720445	
63	11/1/2015	Sun.	2:25	Off Road		x		Night	Dry	Careless Driving	85720454	
64	11/1/2015	Sun.	13:13	Rear End			x	Day	Dry	Careless Driving	85720460	
65	11/5/2015	Thu.	16:23	Left Turn		x		Day	Dry	Careless Driving	85720522	
66	11/12/2015	Thu.	6:00	Sideswipe			x	Day	Dry	Improper Lane Change	85720605	
67	11/12/2015	Thu.	13:11	Rear End			x	Day	Dry	Followed Too Closely	85720612	
68	11/14/2015	Sat.	18:50	Sideswipe			x	Night	Dry	FTYRW	85720638	
69	11/14/2015	Sat.	23:42	Left Turn		x		Night	Dry	Disregarded Traffic Signal	85720639	
70	11/22/2015	Sun.	6:37	Angle			x	Night	Wet	Other	86385818	
71	12/9/2015	Wed.	15:53	Left Turn			x	Day	Dry	FTYRW	86385820	
72	12/10/2015	Thu.	8:11	Rear End			x	Day	Dry	Followed Too Closely	86385823	
73	12/29/2015	Tue.	11:18	Angle		x		Day	Dry	Improper Turn	86385872	
74	12/30/2015	Wed.	19:12	Rear End			x	Night	Dry	Careless Driving	86386280	

Total No.	Fatal	Injury	Property Damage	Angle	Left Turn	Head On	Right Turn	Rear End	Side Swipe	Collision w/ Sign	Overturned	Collision w/ Pole	Hit Animal	Run Off Road	Other
74	0	32	42	7	15	0	0	41	6	0	1	0	0	2	0
%	0	43	57	9	20	0	0	55	8	0	1	0	0	3	0
One Vehicle	Ped/ Bike	Day	Night	Dry	Wet	Careless Driving	FTYRW	Improper Turn	DUI	Improper Lane Change	Disregarded Traffic Signal	Failed to Maintain Vehicle	Improper Load	No Improper Driving	Other
1	0	72	28	85	15	39	15	1	0	4	4	0	0	0	5

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COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2016 to 12/31/2016
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
12	2/18/2016	Thu.	13:40	Angle		x		Day	Dry	FTYRW	86386918	
13	2/20/2016	Sat.	11:17	Sideswipe			x	Day	Dry	Other	86386942	
14	3/1/2016	Tue.	13:35	Angle			x	Day	Dry	FTYRW	86387615	
15	3/4/2016	Fri.	18:19	Left Turn			x	Night	Dry	Disregarded Traffic Control	86387614	
16	3/6/2016	Sun.	15:00	Rear End		x		Day	Dry	Careless Driving	86387630	
17	3/7/2016	Mon.	9:04	Off Road			x	Day	Dry	Careless Driving	86387638	
18	3/8/2016	Tue.	17:45	Rear End		x		Day	Dry	Careless Driving	86387659	
19	3/9/2016	Wed.	7:24	Sideswipe			x	Day	Dry	Other	86387666	
20	3/11/2016	Fri.	8:01	Rear End			x	Day	Dry	Followed Too Closely	86387698	
21	3/17/2016	Thu.	7:00	Rear End			x	Night	Dry	Followed Too Closely	86372283	
22	3/21/2016	Mon.	13:55	Rear End			x	Day	Dry	Careless Driving	86387077	
23	3/23/2016	Wed.	16:03	Rear End			x	Day	Dry	Careless Driving	86387112	
24	4/14/2016	Thu.	17:50	Rear End			x	Day	Dry	Followed Too Closely	86387396	
25	4/15/2016	Fri.	15:40	Rear End			x	Day	Dry	Careless Driving	86373190	
26	4/15/2016	Fri.	21:11	Left Turn		x		Night	Dry	FTYRW	86387415	
27	4/16/2016	Sat.	16:15	Sideswipe			x	Day	Dry	Other	86373220	
28	4/21/2016	Thu.	22:04	Rear End			x	Night	Wet	Careless Driving	86387486	
29	4/21/2016	Thu.	15:00	Sideswipe			x	Day	Dry	Improper Lane Change	86387487	
30	4/27/2016	Wed.	20:41	Sideswipe		x		Night	Dry	Improper Lane Change	86574189	
31	5/12/2016	Thu.	5:47	Rear End			x	Night	Dry	Improper Lane Change	86574367	
32	5/17/2016	Tue.	17:41	Rear End			x	Day	Dry	Exceeded Speed Limit	86574436	
33	5/18/2016	Wed.	17:24	Rear End			x	Day	Dry	Careless Driving	86574456	
34	5/20/2016	Fri.	16:49	Rear End			x	Day	Dry	Followed Too Closely	86574487	
35	5/27/2016	Fri.	17:49	Sideswipe			x	Day	Dry	Careless Driving	86574564	
36	5/28/2016	Sat.	10:48	Angle			x	Day	Dry	Careless Driving	86574570	
37	5/31/2016	Tue.	19:17	Rear End			x	Day	Wet	Other	86574606	
38	6/9/2016	Thu.	21:29	Rear End		x		Night	Wet	Followed Too Closely	86574718	
39	6/14/2016	Tue.	16:00	Rear End		x		Day	Dry	Followed Too Closely	86574772	
40	6/15/2016	Wed.	14:15	Sideswipe			x	Day	Dry	Improper Lane Change	86574786	
41	6/23/2016	Thu.	18:10	Sideswipe		x		Day	Dry	FTYRW	86574870	
42	6/25/2016	Sat.	17:57	Off Road		x		Day	Dry	Careless Driving	86574897	
43	7/1/2016	Fri.	15:17	Left Turn			x	Day	Dry	Other	86574956	
44	7/10/2016	Sun.	21:02	Rear End		x		Night	Dry	Careless Driving	86575057	
45	7/12/2016	Tue.	7:05	Rear End		x		Day	Dry	Careless Driving	86575071	
46	7/16/2016	Sat.	0:09	Rollover		x		Night	Dry	Careless Driving	86575108	
47	7/19/2016	Tue.	16:54	Rear End		x		Day	Wet	Careless Driving	86575145	
48	7/20/2016	Wed.	7:26	Rear End			x	Night	Dry	Followed Too Closely	86575149	
49	7/22/2016	Fri.	13:44	Angle		x		Day	Dry	FTYRW	86575185	
50	7/25/2016	Mon.	14:10	Sideswipe			x	Day	Dry	FTYRW	86575222	
51	7/28/2016	Thu.	23:29	Rear End			x	Night	Dry	Followed Too Closely	86575257	
52	7/29/2016	Fri.	18:15	Rear End		x		Day	Wet	Followed Too Closely	86575265	
53	8/2/2016	Tue.	14:42	Angle		x		Day	Dry	FTYRW	86575304	
54	8/4/2016	Thu.	11:31	Rear End			x	Day	Wet	Followed Too Closely	86575316	
55	8/8/2016	Mon.	6:14	Rear End			x	Night	Wet	Other	86575366	

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2016 to 12/31/2016
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
56	8/8/2016	Mon.	12:47	Rear End		x		Day	Wet	Followed Too Closely	86575371	
57	8/9/2016	Tue.	18:09	Rear End		x		Day	Wet	Careless Driving	86575382	
58	8/11/2016	Thu.	6:36	Rear End			x	Night	Dry	Careless Driving	86575397	
59	8/19/2016	Fri.	13:02	Rear End			x	Day	Dry	Followed Too Closely	86575497	
60	8/23/2016	Tue.	10:54	Sideswipe			x	Day	Dry	Improper Lane Change	86575558	
61	8/23/2016	Tue.	17:22	Rear End			x	Day	Dry	Followed Too Closely	86575564	
62	8/25/2016	Thu.	10:54	Rear End			x	Day	Dry	Careless Driving	86575580	
63	8/30/2016	Tue.	16:38	Rear End		x		Day	Wet	Careless Driving	86575646	
64	9/2/2016	Fri.	11:28	Rear End		x		Day	Wet	Careless Driving	86575674	
65	9/2/2016	Fri.	17:20	Angle		x		Day	Wet	FTYRW	86575685	
66	9/4/2016	Sun.	9:20	Left Turn			x	Day	Dry	Disregarded Traffic Signal	86575695	
67	9/5/2016	Mon.	22:07	Angle		x		Night	Wet	Careless Driving	86575705	
68	9/12/2016	Mon.	7:29	Rear End			x	Day	Dry	Followed Too Closely	86575766	
69	9/14/2016	Wed.	16:06	Rear End			x	Day	Dry	Followed Too Closely	86575805	
70	9/15/2016	Thu.	15:09	Angle			x	Day	Dry	FTYRW	86575817	
71	9/16/2016	Fri.	17:56	Angle		x		Day	Wet	Careless Driving	86575831	
72	9/17/2016	Sat.	18:20	Rear End			x	Day	Wet	Careless Driving	86575850	
73	9/18/2016	Sun.	17:05	Fell From Vehicle		x		Day	Wet	Other	86575857	
74	9/23/2016	Fri.	16:39	Left Turn			x	Day	Dry	FTYRW	86575926	
75	9/24/2016	Sat.	20:13	Sideswipe			x	Night	Dry	Careless Driving	86575938	
76	9/25/2016	Sun.	10:21	Rear End			x	Day	Dry	Followed Too Closely	86575939	
77	9/28/2016	Wed.	19:44	Sideswipe			x	Night	Dry	Improper Lane Change	86575978	
78	9/28/2016	Wed.	20:18	Sideswipe			x	Day	Dry	Careless Driving	86575979	
79	9/28/2016	Wed.	17:24	Rear End			x	Day	Dry	Followed Too Closely	86575984	
80	9/29/2016	Thu.	13:40	Right Turn			x	Day	Wet	FTYRW	86575986	
81	10/1/2016	Sat.	15:57	Rear End		x		Day	Dry	Careless Driving	86576019	
82	10/2/2016	Sun.	12:02	Rear End			x	Day	Dry	Careless Driving	86576003	
83	10/5/2016	Wed.	11:04	Left Turn		x		Day	Dry	FTYRW	86576054	
84	10/5/2016	Wed.	11:15	Right Turn			x	Day	Dry	FTYRW	86576055	
85	10/6/2016	Thu.	16:27	Rear End		x		Day	Wet	Careless Driving	86576081	
86	10/10/2016	Mon.	12:54	Rear End		x		Day	Dry	Followed Too Closely	86576123	
87	10/10/2016	Mon.	16:55	Rear End		x		Day	Dry	Careless Driving	86576136	
88	10/12/2016	Wed.	17:51	Head On			x	Night	Wet	Careless Driving	86769856	
89	10/20/2016	Thu.	15:52	Rear End		x		Day	Dry	Careless Driving	86769950	
90	10/20/2016	Thu.	16:12	Angle			x	Day	Dry	Disregarded Traffic Signal	86769953	
91	10/22/2016	Sat.	1:21	Off Road			x	Night	Dry	Careless Driving	86769975	
92	10/28/2016	Fri.	11:45	Sideswipe			x	Day	Dry	Other	86770049	
93	10/28/2016	Fri.	20:20	Rear End		x		Night	Dry	Careless Driving	86770061	
94	11/1/2016	Tue.	10:18	Angle		x		Day	Dry	FTYRW	86770102	
95	11/3/2016	Thu.	10:28	Rear End			x	Day	Dry	Careless Driving	86770132	
96	11/4/2016	Fri.	10:54	Angle			x	Day	Dry	FTYRW	86770146	
97	11/10/2016	Thu.	19:45	Rear End		x		Night	Dry	Followed Too Closely	86770235	
98	11/24/2016	Thu.	14:16	Rear End			x	Day	Dry	Other	86770386	
99	11/29/2016	Tue.	8:20	Pedestrian		x		Day	Dry	FTYRW	86770424	

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2016 to 12/31/2016
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
100	11/29/2016	Tue.	16:14	Rear End		x		Day	Dry	Careless Driving	86770427	
101	11/29/2016	Tue.	16:33	Rear End			x	Day	Dry	Followed Too Closely	86770429	
102	11/29/2016	Tue.	15:25	Sideswipe		x		Day	Dry	Followed Too Closely	86770440	
103	12/3/2016	Sat.	20:27	Rear End			x	Night	Dry	Followed Too Closely	86770491	
104	12/10/2016	Sat.	15:15	Off Road			x	Day	Dry	Other	86770599	
105	12/19/2016	Mon.	16:17	Rear End			x	Day	Dry	Careless Driving	86770738	
106	12/19/2016	Mon.	17:35	Angle		x		Night	Dry	FTYRW	86770752	
107	12/20/2016	Tue.	10:44	Rear End		x		Day	Dry	Careless Driving	86770745	
108	12/22/2016	Thu.	17:20	Sideswipe			x	Day	Dry	FTYRW	86770781	
109	12/22/2016	Thu.	18:36	Left Turn			x	Night	Dry	Careless Driving	86770784	
110	12/23/2016	Fri.	12:36	Sideswipe			x	Day	Dry	Improper Lane Change	86770791	
111	12/25/2016	Sun.	9:59	Angle		x		Day	Dry	Careless Driving	86770819	
112	12/26/2016	Mon.	7:45	Rear End			x	Day	Dry	Followed Too Closely	86770821	
113	12/29/2016	Thu.	18:55	Rear End			x	Night	Dry	Careless Driving	86770863	
114	12/30/2016	Fri.	17:54	Rear End			x	Night	Dry	Followed Too Closely	86770875	

Total No.	Fatal	Injury	Property Damage	Angle	Left Turn	Head On	Right Turn	Rear End	Side Swipe	Collision w/ Sign	Overtuned	Collision w/ Pole	Hit Animal	Run Off Road	Other
114	0	47	67	14	9	1	3	59	21	0	1	0	0	4	0
%	0	41	59	12	8	1	3	52	18	0	1	0	0	4	0
One Vehicle	Ped/ Bike	Day	Night	Dry	Wet	Careless Driving	FTYRW	Improper Turn	DUI	Improper Lane Change	Disregarded Traffic Signal	Failed to Maintain Vehicle	Improper Load	No Improper Driving	Other
1	1	88	26	93	21	43	21	0	0	10	2	0	0	0	10
1	1	77	23	82	18	38	18	0	0	9	2	0	0	0	9

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COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2017 to 12/31/2017
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
1	1/2/2017	Mon.	17:13	Left Turn		x		Day	Dry	Disregarded Traffic Signal	86770909	
2	1/4/2017	Wed.	6:37	Sideswipe			x	Night	Dry	Careless Driving	86770963	
3	1/8/2017	Sun.	15:06	Sideswipe			x	Day	Dry	Careless Driving	86770981	
4	1/19/2017	Thu.	10:20	Rear End			x	Day	Dry	Followed Too Closely	86771100	
5	1/19/2017	Thu.	13:05	Left Turn			x	Day	Dry	FTYRW	86771104	
6	1/23/2017	Mon.	9:42	Sideswipe			x	Day	Dry	Careless Driving	86771152	
7	1/23/2017	Mon.	17:46	Left Turn			x	Night	Dry	FTYRW	86771170	
8	1/25/2017	Wed.	16:29	Rear End		x		Day	Dry	Careless Driving	86771197	
9	1/25/2017	Wed.	17:42	Rear End		x		Day	Dry	Careless Driving	86771199	
10	1/30/2017	Mon.	18:40	Rear End			x	Night	Dry	Careless Driving	86829891	
11	2/1/2017	Wed.	10:16	Angle		x		Day	Dry	Careless Driving	86771301	
12	2/4/2017	Sat.	8:42	Rear End			x	Day	Dry	Careless Driving	86771358	
13	2/4/2017	Sat.	9:19	Left Turn		x		Day	Dry	FTYRW	86771359	
14	2/6/2017	Mon.	9:53	Left Turn			x	Day	Dry	Disregarded Traffic Signal	86771387	
15	2/8/2017	Wed.	20:28	Left Turn		x		Night	Dry	FTYRW	86771431	
16	2/9/2017	Thu.	11:10	Angle		x		Day	Dry	FTYRW	86771437	
17	2/10/2017	Fri.	13:48	Sideswipe			x	Day	Dry	Improper Turn	86771453	
18	2/14/2017	Tue.	13:29	Angle			x	Day	Dry	Careless Driving	86771503	
19	2/15/2017	Wed.	7:34	Rear End		x		Day	Dry	Followed Too Closely	86771515	
20	2/15/2017	Wed.	18:05	Rear End			x	Night	Dry	Careless Driving	86771549	
21	2/17/2017	Fri.	16:57	Rear End			x	Day	Dry	Followed Too Closely	86771565	
22	2/18/2017	Sat.	7:03	Rear End		x		Day	Dry	Careless Driving	86771570	
23	2/18/2017	Sat.	12:46	Rear End		x		Day	Dry	Careless Driving	86771575	
24	2/23/2017	Thu.	8:13	Left Turn			x	Day	Dry	Disregarded Traffic Signal	86771653	
25	2/23/2017	Thu.	12:20	Rear End		x		Day	Dry	Followed Too Closely	86771654	
26	2/27/2017	Mon.	10:19	Rear End			x	Day	Dry	Careless Driving	86771719	
27	3/1/2017	Wed.	13:55	Rear End			x	Day	Dry	Followed Too Closely	86771759	
28	3/1/2017	Wed.	14:08	Sideswipe			x	Day	Dry	Improper Lane Change	86771761	
29	3/6/2017	Mon.	11:16	Rear End			x	Day	Dry	Followed Too Closely	86771821	
30	3/10/2017	Fri.	13:59	Rear End			x	Day	Dry	Followed Too Closely	86971077	
31	3/13/2017	Mon.	21:35	Left Turn			x	Night	Wet	Careless Driving	86971120	
32	3/17/2017	Fri.	21:19	Fell From Vehicle		x		Night	Dry	Careless Driving	86971207	
33	3/22/2017	Wed.	7:04	Rear End			x	Night	Dry	Careless Driving	86971241	
34	3/23/2017	Thu.	15:32	Collision w/ Bike		x		Day	Dry	Disregarded Traffic Control	86971272	
35	3/25/2017	Sat.	15:58	Other			x	Day	Dry	Other	86971292	
36	3/28/2017	Tue.	10:46	Rear End			x	Day	Dry	Careless Driving	86971329	
37	3/29/2017	Wed.	13:39	Rear End			x	Day	Dry	Careless Driving	86831922	
38	4/7/2017	Fri.	17:23	Rear End			x	Day	Dry	Followed Too Closely	86971459	
39	4/8/2017	Sat.	16:33	Angle		x		Day	Dry	Disregarded Traffic Signal	86971471	
40	4/8/2017	Sat.	18:28	Rear End		x		Day	Dry	Careless Driving	86971474	
41	4/13/2017	Thu.	15:07	Left Turn		x		Day	Dry	Disregarded Traffic Control	86971532	
42	4/24/2017	Mon.	16:19	Angle		x		Day	Dry	FTYRW	86971674	
43	4/26/2017	Wed.	12:32	Angle		x		Day	Dry	FTYRW	86971704	
44	5/3/2017	Wed.	12:08	Rear End			x	Day	Dry	Followed Too Closely	86971800	

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2017 to 12/31/2017
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
45	5/12/2017	Fri.	8:30	Sideswipe			x	Day	Dry	Improper Lane Change	86971920	
46	5/12/2017	Fri.	17:47	Rear End		x		Day	Dry	Followed Too Closely	86971931	
47	5/16/2017	Tue.	6:18	Rear End		x		Night	Dry	Followed Too Closely	86971968	
48	5/31/2017	Wed.	11:31	Angle		x		Day	Dry	FTYRW	86972142	
49	6/9/2017	Fri.	6:01	Rear End		x		Night	Dry	Careless Driving	86972260	
50	6/10/2017	Sat.	17:15	Collision w/ Sign			x	Day	Wet	Failed To Maintain Vehicle	86972274	
51	6/15/2017	Thu.	11:25	Rear End			x	Day	Dry	Careless Driving	86972317	
52	6/18/2017	Sun.	17:01	Rear End			x	Day	Dry	Followed Too Closely	86972366	
53	6/20/2017	Tue.	17:42	Rear End		x		Day	Dry	Careless Driving	86972394	
54	6/22/2017	Thu.	17:12	Rear End			x	Day	Dry	Improper Lane Change	86972426	
55	6/23/2017	Fri.	17:23	Rear End			x	Day	Dry	Careless Driving	86972438	
56	6/29/2017	Thu.	22:20	Rear End			x	Night	Wet	Followed Too Closely	86972528	
57	6/30/2017	Fri.	22:11	Angle		x		Night	Dry	FTYRW	86972541	
58	7/1/2017	Sat.	13:25	Rear End			x	Day	Dry	Careless Driving	86972545	
59	7/3/2017	Mon.	9:23	Rear End		x		Day	Dry	Followed Too Closely	86972563	
60	7/12/2017	Wed.	19:21	Angle			x	Day	Wet	FTYRW	86972677	
61	7/14/2017	Fri.	10:10	Sideswipe			x	Day	Dry	Other	86972691	
62	7/14/2017	Fri.	17:19	Rear End		x		Day	Wet	Careless Driving	86972699	
63	7/15/2017	Sat.	19:26	Rear End		x		Day	Wet	Followed Too Closely	86972719	
64	7/16/2017	Sun.	22:58	Rear End			x	Night	Wet	Other	86972729	
65	7/27/2017	Thu.	15:40	Left Turn			x	Day	Dry	FTYRW	86972870	
66	7/29/2017	Sat.	13:18	Rear End		x		Day	Dry	Careless Driving	86972898	
67	8/4/2017	Fri.	7:11	Rear End			x	Day	Dry	Careless Driving	86972970	
68	8/4/2017	Fri.	15:55	Rear End			x	Day	Dry	Careless Driving	86972981	
69	8/4/2017	Fri.	20:28	Angle			x	Night	Dry	FTYRW	86972985	
70	8/5/2017	Sat.	9:18	Rear End		x		Day	Dry	Careless Driving	86972989	
71	8/5/2017	Sat.	10:12	Rear End			x	Day	Dry	Careless Driving	86972991	
72	8/9/2017	Wed.	15:40	Sideswipe			x	Day	Dry	FTYRW	86973043	
73	8/9/2017	Wed.	17:31	Rear End			x	Day	Dry	Careless Driving	86973047	
74	8/11/2017	Fri.	16:29	Sideswipe			x	Day	Dry	Improper Lane Change	86973078	
75	8/13/2017	Sun.	21:06	Rear End		x		Night	Dry	FTYRW	86973098	
76	8/14/2017	Mon.	17:37	Left Turn		x		Day	Wet	FTYRW	86973115	
77	8/15/2017	Tue.	14:10	Rear End			x	Day	Dry	Followed Too Closely	86973126	
78	8/16/2017	Wed.	5:55	Angle			x	Night	Dry	Improper Lane Change	86973129	
79	8/17/2017	Thu.	16:53	Left Turn			x	Day	Dry	FTYRW	86973148	
80	8/21/2017	Mon.	16:35	Rear End			x	Day	Dry	Followed Too Closely	86973197	
81	8/22/2017	Tue.	10:46	Rear End		x		Day	Dry	Careless Driving	86973206	
82	8/24/2017	Thu.	20:48	Off Road			x	Night	Wet	Careless Driving	86973238	
83	8/26/2017	Sat.	18:54	Sideswipe			x	Day	Wet	Other	86973260	
84	8/26/2017	Sat.	17:35	Rear End			x	Day	Dry	Careless Driving	86973261	
85	8/29/2017	Tue.	18:32	Rear End			x	Day	Dry	Other	86973298	
86	9/1/2017	Fri.	15:41	Rear End			x	Day	Dry	Careless Driving	86973333	
87	9/5/2017	Tue.	12:26	Angle		x		Day	Dry	FTYRW	86973381	
88	9/19/2017	Tue.	14:36	Angle			x	Day	Dry	FTYRW	86973531	

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2017 to 12/31/2017
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
89	9/20/2017	Wed.	16:44	Rear End		x		Day	Dry	Followed Too Closely	87379410	
90	9/24/2017	Sun.	17:38	Rear End			x	Day	Wet	Careless Driving	86973591	
91	9/25/2017	Mon.	15:40	Left Turn			x	Day	Dry	Disregarded Traffic Control	86973606	
92	9/29/2017	Fri.	16:57	Rear End			x	Day	Dry	Careless Driving	86973664	
93	9/29/2017	Fri.	15:54	Rear End			x	Day	Wet	Careless Driving	86973665	
94	10/1/2017	Sun.	5:40	Sideswipe			x	Night	Dry	FTYRW	86973682	
95	10/1/2017	Sun.	15:11	Left Turn		x		Day	Dry	FTYRW	86973686	
96	10/2/2017	Mon.	18:23	Rear End		x		Day	Wet	Careless Driving	86973707	
97	10/4/2017	Wed.	12:58	Angle			x	Day	Dry	FTYRW	86973736	
98	10/6/2017	Fri.	19:55	Rear End		x		Night	Dry	Careless Driving	86973771	
99	10/10/2017	Tue.	8:50	Angle			x	Day	Dry	FTYRW	86973807	
100	10/18/2017	Wed.	20:16	Angle			x	Night	Dry	Disregarded Traffic Signal	86973930	
101	10/19/2017	Thu.	20:31	Fell From Vehicle		x		Night	Dry	FTYRW	86973952	
102	10/22/2017	Sun.	10:09	Left Turn			x	Day	Dry	FTYRW	86973979	
103	10/24/2017	Tue.	8:16	Rear End			x	Day	Wet	Followed Too Closely	86974003	
104	10/24/2017	Tue.	11:46	Sideswipe			x	Day	Dry	FTYRW	86974007	
105	10/25/2017	Wed.	12:19	Sideswipe			x	Day	Dry	FTYRW	86974018	
106	10/27/2017	Fri.	8:36	Rear End			x	Day	Dry	Careless Driving	86974040	
107	10/28/2017	Sat.	13:23	Rear End			x	Day	Wet	Followed Too Closely	87559284	
108	10/30/2017	Mon.	16:46	Rear End		x		Day	Dry	Followed Too Closely	87380803	
109	10/30/2017	Mon.	15:25	Left Turn			x	Day	Dry	Other	87559314	
110	11/2/2017	Thu.	6:22	Angle			x	Night	Dry	FTYRW	87559359	
111	11/4/2017	Sat.	19:42	Rear End		x		Night	Dry	Followed Too Closely	87559402	
112	11/6/2017	Mon.	13:05	Rear End			x	Day	Dry	Followed Too Closely	87559413	
113	11/8/2017	Wed.	16:13	Sideswipe			x	Day	Dry	Improper Turn	87559455	
114	11/16/2017	Thu.	13:15	Rear End		x		Day	Dry	Careless Driving	87559572	
115	11/21/2017	Tue.	13:47	Rear End			x	Day	Dry	Followed Too Closely	87559648	
116	11/28/2017	Tue.	17:12	Right Turn			x	Day	Dry	FTYRW	87559727	
117	12/1/2017	Fri.	20:58	Rear End			x	Night	Dry	Careless Driving	87559779	
118	12/2/2017	Sat.	14:58	Fell From Vehicle		x		Day	Dry	Other	87559776	
119	12/5/2017	Tue.	8:59	Rear End		x		Day	Dry	Careless Driving	87559803	
120	12/6/2017	Wed.	18:12	Rear End		x		Night	Dry	Careless Driving	87559823	
121	12/13/2017	Wed.	20:45	Left Turn		x		Night	Dry	FTYRW	87559931	
122	12/20/2017	Wed.	10:04	Rear End			x	Day	Dry	Careless Driving	87560017	
123	12/25/2017	Mon.	13:17	Rear End			x	Day	Dry	Followed Too Closely	87560089	
124	12/26/2017	Tue.	13:14	Angle		x		Day	Dry	FTYRW	87560098	
125	12/28/2017	Thu.	9:01	Rear End			x	Day	Dry	Careless Driving	87560123	

Total No.	Fatal	Injury	Property Damage	Angle	Left Turn	Head On	Right Turn	Rear End	Side Swipe	Collision w/ Sign	Overtaken	Collision w/ Pole	Hit Animal	Run Off Road	Other
125	0	46	79	18	17	0	1	68	14	1	0	0	0	1	1
%	0	37	63	14	14	0	1	54	11	1	0	0	0	1	1
One	Ped/					Careless		Improper		Improper	Disregarded	Failed to	Improper	No Improper	

COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2017 to 12/31/2017
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date		Day Day	Time Night	Type Dry	Fatal Wet	Injury Driving	Prop. Damage FTYRW	Day/ Night Turn	Wet/ Dry DUI	Contributing Cause		Crash Report Number	Comments		
	Vehicle	Bike									Lane Change	Traffic Signal		Maintain Vehicle	Load	Driving
4		0	99	26	110	15	47	30	2	0	5	5	1	0	0	7
3		0	79	21	88	12	38	24	2	0	4	4	1	0	0	6

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COLLISION SUMMARY

Section: 12010000
 Location: SR 78 from Del Prado to Hibiscus
 Study Period: 1/1/2018 to 12/31/2018
 No. of Years: 1

State Route: 45
 M.P.: 12.061 - 12.802
 County: Lee

Engineer: FDOT

No.	Date	Day	Time	Type	Fatal	Injury	Prop. Damage	Day/ Night	Wet/ Dry	Contributing Cause	Crash Report Number	Comments
1	1/2/2018	Tue.	20:23	Other			x	Night	Dry	Careless driving	87560204	
2	1/2/2018	Tue.	13:52	Left Turn			x	Day	Dry	FTYRW	87560196	
3	1/2/2018	Tue.	0:36	Sideswipe			x	Night	Dry	Careless driving	87560189	
4	1/3/2018	Wed.	12:36	Left Turn		x		Day	Wet	FTYRW	87560212	
5	1/4/2018	Thu.	13:11	Rear End			x	Day	Dry	followed too closely	87560225	
6	1/4/2018	Thu.	15:13	Rear End			x	Day	Dry	Improper Lane Change	87560228	
7	1/4/2018	Thu.	16:22	Rear End		x		Day	Dry	Followed Too Closely	87560230	
8	1/6/2018	Sat.	12:57	Rear End			x	Day	Dry	followed too closely	87560254	
9	1/8/2018	Mon.	18:31	Rear End		x		Night	Dry	Careless Driving	87560279	
10	1/9/2018	Tue.	11:26	Rear End		x		Day	Dry	Followed Too Closely	87560283	
11	1/10/2018	Wed.	17:28	Rear End			x	Day	Dry	followed too closely	87560302	
12	1/16/2018	Tue.	1:01	Left Turn		x		Night	Dry	Running at Red light	87560369	
13	1/17/2018	Wed.	13:28	Off Road			x	Day	Dry	Careless driving	87560405	
14	1/19/2018	Fri.	11:46	Backed Into			x	Day	Dry	Improper backing	87560437	
15	1/22/2018	Mon.	21:25	Sideswipe			x	Night	Dry	Improper Turn	87669675	
16	1/22/2018	Mon.	11:38	Other			x	Day	Dry	Boat caused damage to roadway	87560476	
17	1/22/2018	Mon.	6:51	Rear End			x	Night	Wet	Careless driving	87560466	
18	1/23/2018	Tue.	9:31	Rear End			x	Day	Wet	Improper Lane Change	87560481	
19	1/25/2018	Thu.	12:52	Rear End		x		Day	Dry	Followed Too Closely	87560515	
20	1/28/2018	Sun.	19:34	Rear End			x	Night	Wet	Followed Too Closely	87560554	
21	1/29/2018	Mon.	8:06	Rear End			x	Day	Wet	Followed Too Closely	87560557	
22	2/1/2018	Thu.	14:45	Rear End			x	Day	Dry	Followed Too Closely	87560604	
23	2/2/2018	Fri.	0:47	Rear End			x	Night	Dry	DUI	87560612	
24	2/2/2018	Fri.	21:12	Other			x	Day	Dry	FTYRW	87560630	
25	2/7/2018	Wed.	11:11	Left Turn			x	Day	Dry	FTYRW	87560677	
26	2/8/2018	Thu.	18:15	Rear End			x	Night	Dry	Careless Driving	87560707	
27	2/8/2018	Thu.	15:38	Rear End			x	Day	Dry	Other	87560703	
28	2/8/2018	Thu.	13:57	Rear End			x	Day	Dry	Followed Too Closely	87560698	
29	2/9/2018	Fri.	16:49	Other			x	Day	Dry	Careless Driving	87560725	
30	2/12/2018	Mon.	6:46	Rear End			x	Night	Dry	Improper Lane Change	87560752	
31	2/12/2018	Mon.	11:34	Other		x		Day	Dry	Improper Lane Change	87560755	
32	2/13/2018	Tue.	16:24	Angle			x	Day	Dry	FTYRW	87560782	
33	2/16/2018	Fri.	13:23	Other			x	Day	Dry	Other	87560851	
34	2/18/2018	Sun.	14:11	Left Turn			x	Day	Dry	Failing to use due care	87560887	
35	2/19/2018	Mon.	17:27	Rear End			x	Day	Dry	Careless driving	87560913	
36	2/20/2018	Tue.	9:42	Angle			x	Day	Dry	FTYRW	87560918	
37	2/21/2018	Wed.	14:30	Rear End		x		Day	Dry	Improper Lane Change	87560945	
38	2/21/2018	Wed.	15:44	Rear End			x	Day	Dry	Careless driving	87560941	
39	3/4/2018	Sun.	16:23	Rear End			x	Day	Dry	Followed Too Closely	87561123	
40	3/5/2018	Mon.	6:27	Angle			x	Night	Dry	FTYRW	87561126	
41	3/6/2018	Tue.	11:28	Rear End			x	Day	Dry	followed too closely	87561153	
42	3/10/2018	Sat.	18:30	Rear End			x	Night	Wet	Driving too fast for conditions(Wet rd)	87561231	
43	3/13/2018	Tue.	6:27	Sideswipe			x	Night	Dry	Improper Lane Change	87561255	
44	3/26/2018	Mon.	15:49	Rear End			x	Day	Dry	Failing to use due care	87561479	
45	3/27/2018	Tue.	14:41	Rear End			x	Day	Dry	Followed Too Closely	87561502	
46	3/28/2018	Wed.	13:42	Sideswipe			x	Day	Dry	Improper Lane Change	87561525	
47	4/2/2018	Mon.	10:40	Backed Into			x	Day	Dry	Careless driving	87561603	
48	4/2/2018	Mon.	21:23	Right Turn		x		Night	Dry	Disregarded Stop Sign	87561617	
49	4/4/2018	Wed.	17:39	Rear End		x		Day	Dry	followed too closely	87561653	
50	4/6/2018	Fri.	20:20	Rear End		x		Night	Dry	Driving too fast for conditions	87561699	
51	4/7/2018	Sat.	20:18	Rear End		x		Night	Dry	followed too closely	87561711	

52	4/9/2018	Mon.	16:06	Rear End			x	Day	Dry	Careless driving	87561736	
53	4/11/2018	Wed.	15:20	Rear End			x	Day	Dry	followed too closely	87561760	
54	4/12/2018	Thu.	14:57	Rear End		x		Day	Dry	FTYRW	87561778	
55	4/12/2018	Thu.	9:24	Off Road			x	Day	Dry	Failed To Maintain Vehicle	87561775	
56	4/18/2018	Wed.	6:55	Other			x	Day	Dry	Careless driving	87561846	
57	4/23/2018	Mon.	15:02	Angle		x		Day	Dry	FTYRW	87561926	
58	4/27/2018	Fri.	18:13	Rear End		x		Day	Dry	followed too closely	87561990	
59	5/3/2018	Thu.	16:52	Rear End			x	Day	Dry	followed too closely	87562067	
60	5/5/2018	Sat.	15:55	Rear End		x		Day	Dry	followed too closely	87562099	
61	5/8/2018	Tue.	13:57	Angle		x		Day	Dry	Careless driving	87562149	
62	5/8/2018	Tue.	6:52	Rear End			x	Day	Dry	Careless driving	87562139	
63	5/8/2018	Tue.	11:08	Sideswipe			x	Day	Dry	Improper Lane Change	87562145	
64	5/10/2018	Thu.	13:43	Left Turn		x		Day	Dry	FTYRW	87562179	
65	5/11/2018	Fri.	14:19	Bicycle		x		Day	Dry	Violating Right of way	87562190	
66	5/11/2018	Fri.	6:25	Rear End			x	Night	Dry	Improper Lane Change	87562186	
67	5/14/2018	Mon.	14:10	Rear End			x	Day	Wet	Other	87562229	
68	5/14/2018	Mon.	11:50	Left Turn		x		Day	Wet	FTYRW	87562224	
69	5/16/2018	Wed.	2:03	Off Road		x		Night	Wet	Failed To Maintain Vehicle	87562252	
70	5/16/2018	Wed.	16:14	Left Turn			x	Day	Dry	FTYRW	87562257	
71	5/17/2018	Thu.	17:51	Other		x		Day	Wet	FTYRW	87966942	
72	5/17/2018	Thu.	17:57	Right Turn			x	Day	Dry	Other	87966943	
73	5/19/2018	Sat.	12:19	Other		x		Day	Dry	FTYRW	87966968	
74	5/22/2018	Tue.	11:40	Rear End		x		Day	Dry	Improper Lane Change	87967008	
75	5/23/2018	Wed.	18:48	Rear End		x		Day	Wet	Careless driving	87967035	
76	6/4/2018	Mon.	11:45	Other			x	Day	Dry	Careless driving	87967163	
77	6/5/2018	Tue.	11:59	Angle		x		Day	Dry	FTYRW	87967179	
78	6/9/2018	Sat.	12:25	Rear End		x		Day	Dry	followed too closely	87967235	
79	6/12/2018	Tue.	17:27	Left Turn			x	Day	Dry	FTYRW	87967278	
80	6/19/2018	Tue.	20:10	Other			x	Night	Dry	Failed To Maintain Vehicle	87967361	
81	6/20/2018	Wed.	18:13	Left Turn			x	Day	Dry	FTYRW	87967373	
82	6/22/2018	Fri.	9:19	Rear End		x		Day	Dry	Careless driving	87967389	
83	6/23/2018	Sat.	13:07	Other			x	Day	Dry	Careless driving	87967414	
84	6/25/2018	Mon.	11:06	Sideswipe			x	Day	Dry	FTYRW	87967436	
85	6/26/2018	Tue.	17:50	Angle		x		Day	Dry	FTYRW	87967454	
86	6/27/2018	Wed.	16:40	Other			x	Day	Dry	FTYRW	87967468	
87	7/1/2018	Sun.	9:48	Left Turn		x		Day	Dry	FTYRW	87967522	
88	7/3/2018	Tue.	16:52	Other			x	Day	Wet	Other	87967555	
89	7/6/2018	Fri.	15:08	Right Turn			x	Day	Wet	Improper Lane Change	87967596	
90	7/6/2018	Fri.	13:52	Rear End			x	Day	Dry	Careless driving	87967593	
91	7/10/2018	Tue.	8:15	Rear End			x	Day	Dry	followed too closely	87967628	
92	7/11/2018	Wed.	15:17	Angle			x	Day	Dry	Careless driving	87967642	
93	7/12/2018	Thu.	10:09	Other		x		Day	Dry	followed too closely	87967648	
94	7/13/2018	Fri.	15:40	Left Turn			x	Day	Dry	Careless driving	87967675	
95	7/13/2018	Fri.	19:06	Rear End			x	Day	Dry	Failed To Maintain Vehicle	87967677	
96	7/15/2018	Sun.	15:46	Rear End			x	Day	Dry	Careless driving	87967697	
97	7/22/2018	Sun.	13:23	Right Turn			x	Night	Dry	FTYRW	87967776	
98	7/23/2018	Mon.	17:17	Left Turn			x	Day	Dry	Careless driving	87967794	
99	7/23/2018	Mon.	18:06	Left Turn			x	Day	Dry	Careless driving	87967796	
100	7/27/2018	Fri.	10:28	Other		x		Day	Dry	Careless driving	87967830	
101	8/3/2018	Fri.	14:00	Left Turn			x	Day	Dry	FTYRW	87967922	
102	8/7/2018	Tue.	18:39	Rear End			x	Day	Dry	followed too closely	87967978	
103	8/14/2018	Tue.	15:34	Rear End		x		Day	Wet	followed too closely	87968060	
104	8/15/2018	Wed.	17:38	Rear End			x	Day	Wet	followed too closely	87968071	
105	8/16/2018	Thu.	18:34	Rear End		x		Day	Wet	Careless driving	87968092	
106	8/20/2018	Mon.	12:17	Angle			x	Day	Dry	FTYRW	87968143	
107	8/21/2018	Tue.	13:51	Rear End			x	Day	Dry	followed too closely	87968157	
108	8/22/2018	Wed.	8:55	Rear End			x	Day	Dry	followed too closely	87968174	
109	8/24/2018	Fri.	21:27	Sideswipe			x	Night	Wet	Improper Lane Change	87968214	
110	8/25/2018	Sat.	17:52	Rear End			x	Day	Wet	followed too closely	87968227	
111	8/30/2018	Thu.	10:59	Rear End		x		Day	Dry	Careless driving	87968278	
112	8/31/2018	Fri.	13:27	Rear End		x		Day	Wet	Careless driving	87968292	

113	9/3/2018	Mon.	13:52	Other			x	Day	Wet	Improper Lane Change	87968331	
114	9/4/2018	Tue.	7:20	Sideswipe			x	Day	Dry	Improper Lane Change	87968338	
115	9/8/2018	Sat.	17:26	Other			x	Day	Dry	Other	87968414	
116	9/9/2018	Sun.	11:12	Right Turn		x		Day	Dry	Careless driving	87968418	
117	9/11/2018	Tue.	16:47	Angle			x	Day	Dry	followed too closely	87968443	
118	9/21/2018	Fri.	19:13	Rear End		x		Night	Wet	Failing to use due care	87968603	
119	9/25/2018	Tue.	19:19	Rear End		x		Night	Wet	followed too closely	87968670	
120	9/30/2018	Sun.	20:20	Other			x	Night	Dry	Careless driving	87968742	
121	9/30/2018	Sun.	20:01	Right Turn			x	Night	Dry	FTYRW	87968743	
122	10/1/2018	Mon.	13:22	Rear End		x		Day	Dry	Failing to use due care	87968754	
123	10/1/2018	Mon.	14:30	Other			x	Day	Dry	Failing to use due care	87968756	
124	10/4/2018	Thu.	19:58	Angle			x	Night	Dry	FTYRW	87968794	
125	10/7/2018	Sun.	13:06	Rear End		x		Day	Dry	followed too closely	87968827	
126	10/9/2018	Tue.	18:13	Rear End		x		Day	Dry	Careless driving	87968863	
127	10/9/2018	Tue.	10:27	Angle		x		Day	Dry	FTYRW	87968850	
128	10/13/2018	Sat.	15:19	Rear End		x		Day	Dry	followed too closely	87968912	
129	10/15/2018	Mon.	16:58	Rear End			x	Day	Dry	Careless driving	87968939	
130	10/16/2018	Tue.	7:39	Rear End			x	Day	Dry	followed too closely	87968945	
131	10/18/2018	Thu.	11:11	Backed Into			x	Day	Dry	Other	87968974	
132	11/2/2018	Fri.	18:59	Rear End			x	Night	Wet	Careless driving	87969193	
133	11/7/2018	Wed.	7:44	Rear End			x	Day	Dry	followed too closely	87969264	
134	11/12/2018	Mon.	13:55	Rear End			x	Day	Dry	Improper Lane Change	87969322	
135	11/15/2018	Thu.	13:49	Rear End			x	Day	Dry	followed too closely	87969373	
136	11/19/2018	Mon.	14:50	Angle			x	Day	Dry	FTYRW	87969428	
137	11/20/2018	Tue.	17:22	Angle			x	Day	Dry	FTYRW	87969453	
138	11/23/2018	Fri.	16:50	Rear End			x	Day	Dry	Careless driving	87969483	
139	11/25/2018	Sun.	18:16	Rear End			x	Night	Dry	followed too closely	87969506	
140	11/30/2018	Fri.	13:18	Rear End			x	Day	Dry	Careless driving	87969571	
141	12/3/2018	Mon.	19:43	Left Turn		x		Night	Dry	Other	87969629	
142	12/4/2018	Tue.	22:41	Rear End		x		Night	Dry	Careless driving	87969650	
143	12/4/2018	Tue.	6:30	Other			x	Night	Wet	Careless driving	87969631	
144	12/21/2018	Fri.	14:17	Rear End		x		Day	Dry	Careless driving	87969898	
145	12/24/2018	Mon.	19:35	Other			x	Night	Dry	Operating vehicle in a negligent manner	88923108	
146	12/29/2018	Sat.	20:59	Left Turn		x		Night	Dry	Disregarded Traffic Control	88923191	
147	12/31/2018	Mon.	10:10	Left Turn		x		Day	Dry	FTYRW	88923203	

Total No.	Fatal	Injury	Property Damage	Angle	Left Turn	Head On	Right Turn	Rear End	Side Swipe	Collision w/ Sign	Overtaken	Collision w/ Pole	Hit Animal	Run Off Road	Other
147	0	49	98	14	18	0	6	72	8	0	0	0	0	3	22
%	0	33	67	10	12	0	4	49	5	0	0	0	0	2	15
One Vehicle	Ped/ Bike	Day	Night	Dry	Wet	Careless Driving	FTYRW	Improper Turn	DUI	Improper Lane Change	Disregarded Traffic Signal	Failed to Maintain Vehicle	Improper Load	No Improper Driving	Other
0	1	114	33	123	24	38	28	0	1	15	0	4	0	0	8
0	1	78	22	84	16	26	22	0	1	10	0	3	0	0	5

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2014 TO 12/31/2014 PREPARED BY HNTB



SYMBOLS	
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COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2014 TO 12/31/2014 PREPARED BY HNTB



SYMBOLS

 OVERTURNED VEHICLE

 HEAD ON COLLISION

 COLLISION W/ PED.

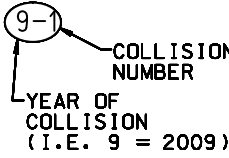
 REAR END COLLISION

 OUT OF CONTROL

 RIGHT TURN COLLISION

 PERSONAL INJURY

 FATALITY



9-1
COLLISION NUMBER
YEAR OF COLLISION
(I.E. 9 = 2009)

 BACKING VEHICLE

 ANGLE COLLISION

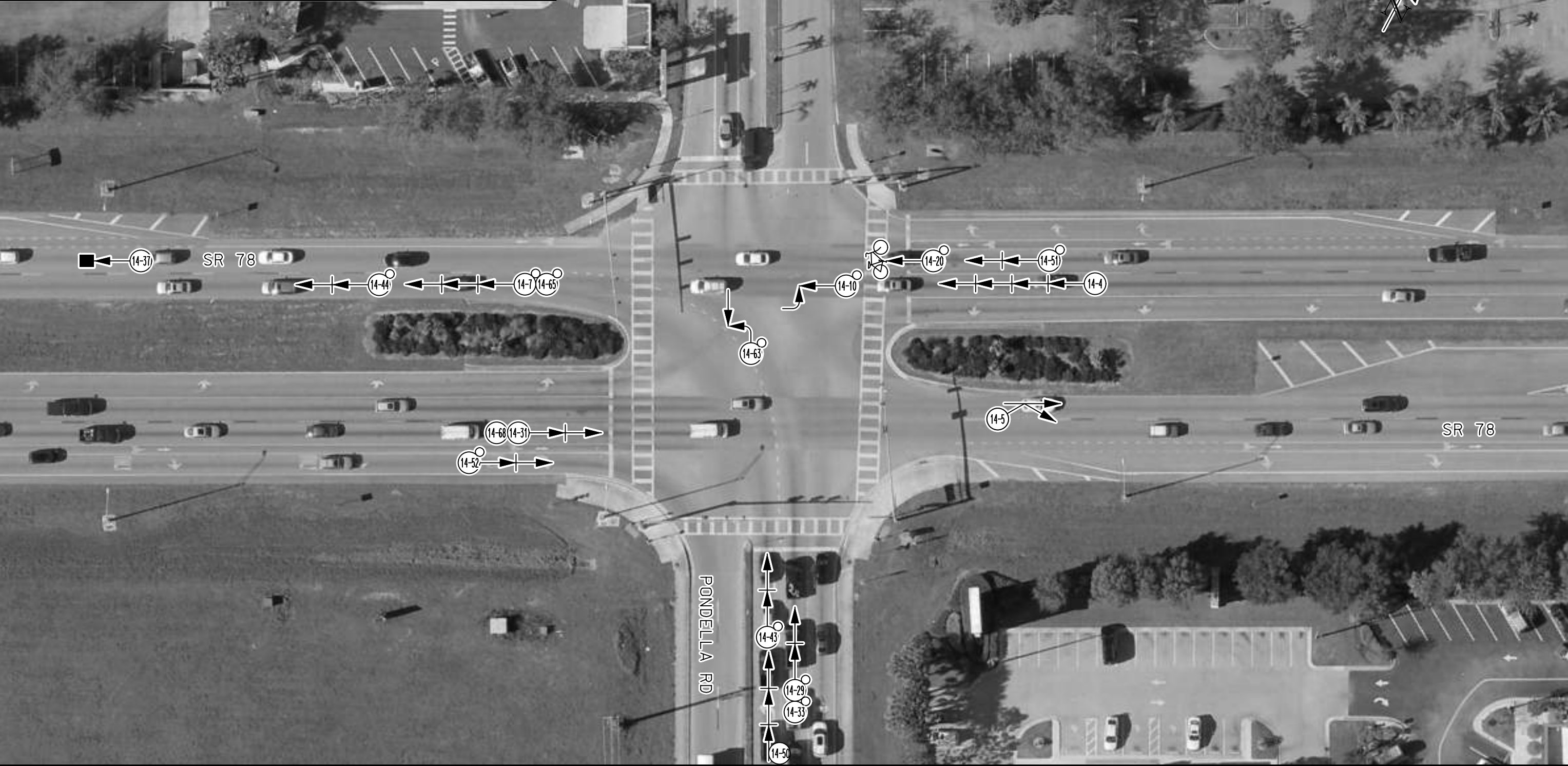
 COLLISION W/ BIKE

 SIDE SWIPE

 LEFT TURN COLLISION

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2014 TO 12/31/2014 PREPARED BY HNTB



SYMBOLS

 OVERTURNED VEHICLE	 HEAD ON COLLISION	 COLLISION W/ PED.	 REAR END COLLISION	 OUT OF CONTROL	 RIGHT TURN COLLISION	 PERSONAL INJURY  FATALITY	 COLLISION NUMBER (I.E. 9 = 2009)
 BACKING VEHICLE	 ANGLE COLLISION	 COLLISION W/ BIKE	 SIDE SWIPE	 LEFT TURN COLLISION			

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2014 TO 12/31/2014 PREPARED BY HNTB



SYMBOLS

OVERTURNED VEHICLE

BACKING VEHICLE

HEAD ON COLLISION

ANGLE COLLISION

COLLISION W/ PED.

COLLISION W/ BIKE

REAR END COLLISION

SIDE SWIPE

OUT OF CONTROL

LEFT TURN COLLISION

RIGHT TURN COLLISION

PERSONAL INJURY

FATALITY

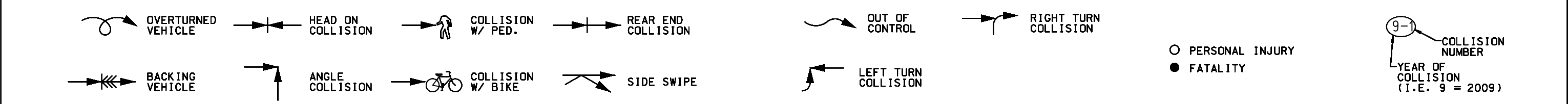
COLLISION NUMBER
YEAR OF COLLISION
(I.E. 9 = 2009)

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2014 TO 12/31/2014 PREPARED BY HNTB



SYMBOLS



COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR

COUNTY LEE CITY FORT MYERS

DATE RANGE 01/01/2014 TO 12/31/2014 PREPARED BY HNTB

COLLISION DIAGRAM

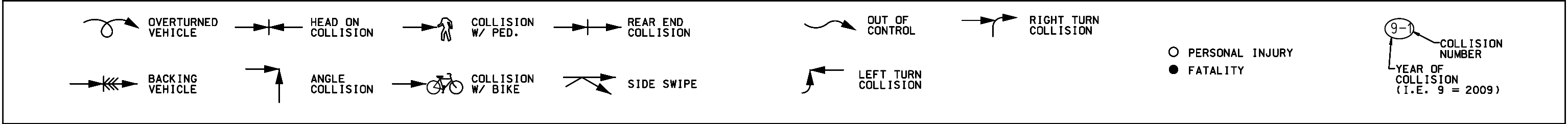
LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR

COUNTY LEE CITY FORT MYERS

DATE RANGE 01/01/2014 TO 12/31/2014 PREPARED BY HNTB



SYMBOLS	
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COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2015 TO 12/31/2015 PREPARED BY HNTB



SYMBOLS

OVERTURNED VEHICLE

BACKING VEHICLE

HEAD ON COLLISION

ANGLE COLLISION

COLLISION W/ PED.

COLLISION W/ BIKE

REAR END COLLISION

SIDE SWIPE

OUT OF CONTROL

LEFT TURN COLLISION

RIGHT TURN COLLISION

PERSONAL INJURY

FATALITY

COLLISION NUMBER

YEAR OF COLLISION (I.E. 9 = 2009)

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2015 TO 12/31/2015 PREPARED BY HNTB



SYMBOLS

 OVERTURNED VEHICLE

 HEAD ON COLLISION

 COLLISION W/ PED.

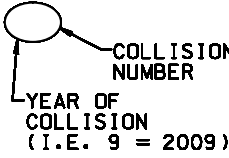
 REAR END COLLISION

 OUT OF CONTROL

 RIGHT TURN COLLISION

 PERSONAL INJURY

 FATALITY



 BACKING VEHICLE

 ANGLE COLLISION

 COLLISION W/ BIKE

 SIDE SWIPE

 LEFT TURN COLLISION

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2015 TO 12/31/2015 PREPARED BY HNTB



SYMBOLS

OVERTURNED VEHICLE	HEAD ON COLLISION	COLLISION W/ PED.	REAR END COLLISION	OUT OF CONTROL	RIGHT TURN COLLISION	○ PERSONAL INJURY ● FATALITY	COLLISION NUMBER YEAR OF COLLISION (I.E. 9 = 2009)
BACKING VEHICLE	ANGLE COLLISION	COLLISION W/ BIKE	SIDE SWIPE	LEFT TURN COLLISION			

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2015 TO 12/31/2015 PREPARED BY HNTB



SYMBOLS

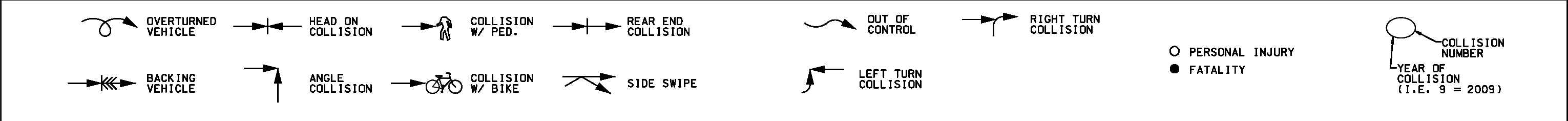
 OVERTURNED VEHICLE	 HEAD ON COLLISION	 COLLISION W/ PED.	 REAR END COLLISION	 OUT OF CONTROL	 RIGHT TURN COLLISION	○ PERSONAL INJURY ● FATALITY	 COLLISION NUMBER YEAR OF COLLISION (I.E. 9 = 2009)
 BACKING VEHICLE	 ANGLE COLLISION	 COLLISION W/ BIKE	 SIDE SWIPE	 LEFT TURN COLLISION			

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2015 TO 12/31/2015 PREPARED BY HNTB



SYMBOLS

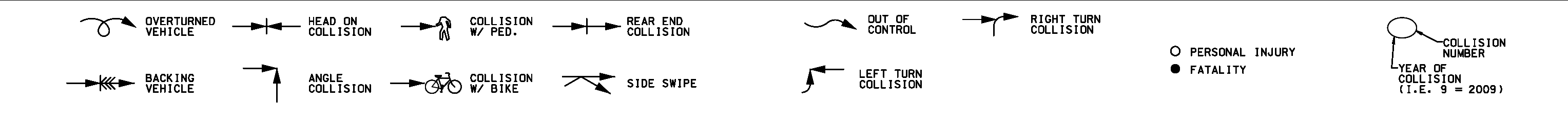


COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2015 TO 12/31/2015 PREPARED BY HNTB



SYMBOLS



COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2016 TO 12/31/2016 PREPARED BY HNTB



SYMBOLS

- | | | | | | | | |
|-------------------|-------------------|-------------------|--------------------|---------------------|----------------------|---------------------------------|---|
| OVERTAKEN VEHICLE | HEAD ON COLLISION | COLLISION W/ PED. | REAR END COLLISION | OUT OF CONTROL | RIGHT TURN COLLISION | ○ PERSONAL INJURY
● FATALITY | COLLISION NUMBER
YEAR OF COLLISION
(I E 9 = 2009) |
| BACKING VEHICLE | ANGLE COLLISION | COLLISION W/ BIKE | SIDE SWIPE | LEFT TURN COLLISION | | | |

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2016 TO 12/31/2016 PREPARED BY HNTB



SYMBOLS

OVERTURNED VEHICLE

HEAD ON COLLISION

COLLISION W/ PED.

REAR END COLLISION

OUT OF CONTROL

RIGHT TURN COLLISION

PERSONAL INJURY

FATALITY

COLLISION NUMBER
YEAR OF COLLISION
(I E 9 = 2009)

BACKING VEHICLE

ANGLE COLLISION

COLLISION W/ BIKE

SIDE SWIPE

LEFT TURN COLLISION

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2016 TO 12/31/2016 PREPARED BY HNTB



SYMBOLS

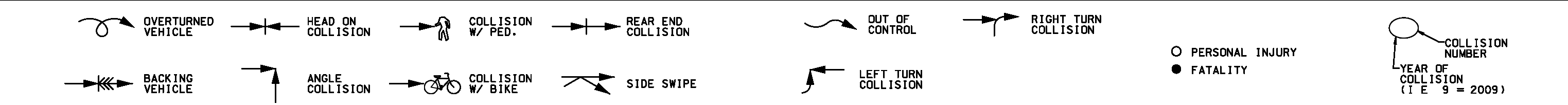
	OVERTURNED VEHICLE		HEAD ON COLLISION		COLLISION W/ PED.		REAR END COLLISION		OUT OF CONTROL		RIGHT TURN COLLISION	○ PERSONAL INJURY ● FATALITY	 COLLISION NUMBER YEAR OF COLLISION (I E 9 = 2009)
	BACKING VEHICLE		ANGLE COLLISION		COLLISION W/ BIKE		SIDE SWIPE		LEFT TURN COLLISION				

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2016 TO 12/31/2016 PREPARED BY HNTB



SYMBOLS

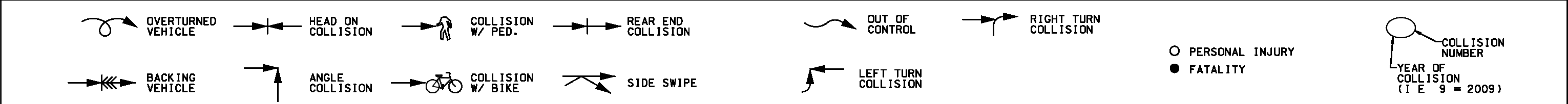


COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2016 TO 12/31/2016 PREPARED BY HNTB



SYMBOLS

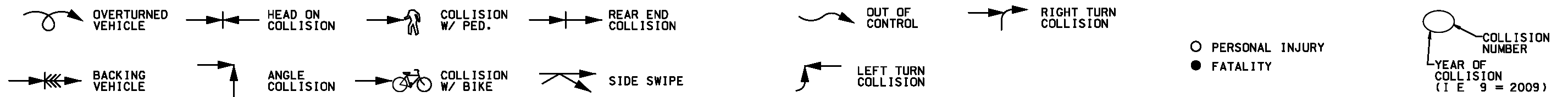


COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
 COUNTY LEE CITY FORT MYERS
 DATE RANGE 01/01/2016 TO 12/31/2016 PREPARED BY HNTB



SYMBOLS



COLLISION DIAGRAM

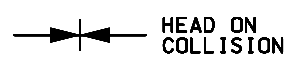
LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
 COUNTY LEE CITY FORT MYERS
 DATE RANGE 01/01/2017 TO 12/31/2017 PREPARED BY HNTB



SYMBOLS



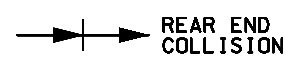
OVERTURNED
VEHICLE



HEAD ON
COLLISION



COLLISION
W/ PED.



REAR END
COLLISION



OUT OF
CONTROL



RIGHT TURN
COLLISION



BACKING
VEHICLE



ANGLE
COLLISION



COLLISION
W/ BIKE



SIDE SWIPE



LEFT TURN
COLLISION

○ PERSONAL INJURY
● FATALITY

○ COLLISION
NUMBER
YEAR OF
COLLISION
(I.E. 9 = 2009)

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2017 TO 12/31/2017 PREPARED BY HNTB



SYMBOLS



OVERTURNED VEHICLE



HEAD ON COLLISION



COLLISION W/ PED.



REAR END COLLISION



OUT OF CONTROL



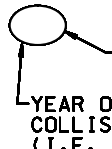
RIGHT TURN COLLISION



PERSONAL INJURY



FATALITY



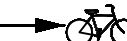
COLLISION NUMBER
YEAR OF COLLISION
(I.E. 9 = 2009)



BACKING VEHICLE



ANGLE COLLISION



COLLISION W/ BIKE



SIDE SWIPE



LEFT TURN COLLISION

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2017 TO 12/31/2017 PREPARED BY HNTB



SYMBOLS

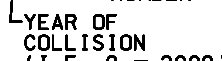
	OVERTAKEN VEHICLE		HEAD ON COLLISION		COLLISION W/ PED.		REAR END COLLISION		OUT OF CONTROL		RIGHT TURN COLLISION		PERSONAL INJURY		COLLISION NUMBER		YEAR OF COLLISION (I.E. 9 = 2009)
	BACKING VEHICLE		ANGLE COLLISION		COLLISION W/ BIKE		SIDE SWIPE		LEFT TURN COLLISION		FATALITY						

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2017 TO 12/31/2017 PREPARED BY HNTB



SYMBOLS





COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR

COUNTY LEE

DATE RANGE 01/01/2017 TO 12/31/2017

CITY FORT MYERS

PREPARED BY HNTB

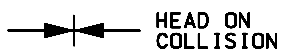
LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2017 TO 12/31/2017 PREPARED BY HNTB



SYMBOLS													
	OVERTURNED VEHICLE		HEAD ON COLLISION		COLLISION W/ PED.		REAR END COLLISION		OUT OF CONTROL		RIGHT TURN COLLISION	PERSONAL INJURY FATALITY	COLLISION NUMBER YEAR OF COLLISION (I.E. 9 = 2009)
	BACKING VEHICLE		ANGLE COLLISION		COLLISION W/ BIKE		SIDE SWIPE		LEFT TURN COLLISION				



**OVERTURNED
VEHICLE**



COLLISION
W/ PED.



 OUT OF CONTROL



○ PERSONAL INJURY
● FATALITY

COLLISION
NUMBER

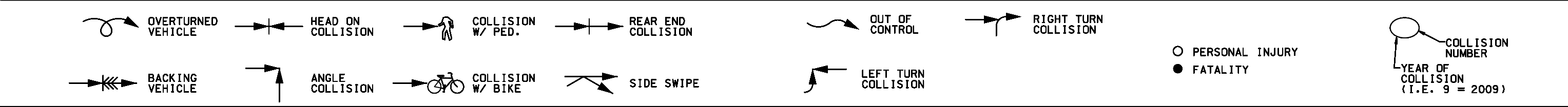
YEAR OF
COLLISION
(I.E. 9 = 2009)

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2017 TO 12/31/2017 PREPARED BY HNTB



SYMBOLS

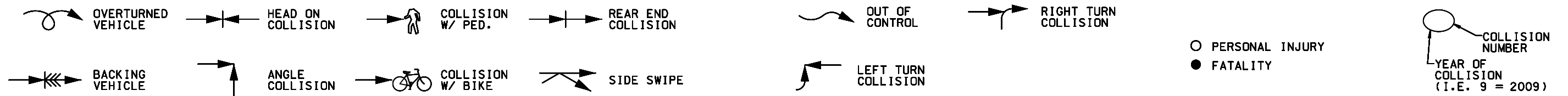


COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2018 TO 12/31/2018 PREPARED BY HNTB



SYMBOLS



COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2018 TO 12/31/2018 PREPARED BY HNTB



SYMBOLS

OVERTURNED VEHICLE

HEAD ON COLLISION

COLLISION W/ PED.

REAR END COLLISION

OUT OF CONTROL

RIGHT TURN COLLISION

○ PERSONAL INJURY

● FATALITY

COLLISION NUMBER
YEAR OF COLLISION
(I.E. 9 = 2009)

BACKING VEHICLE

ANGLE COLLISION

COLLISION W/ BIKF

SIDE SWIPE

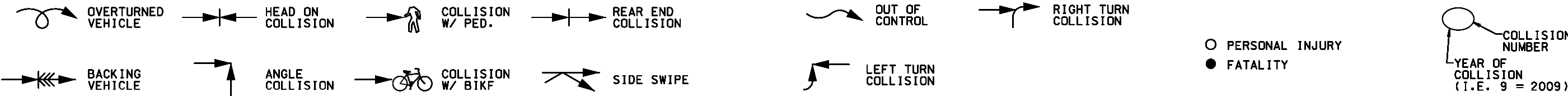
LEFT TURN COLLISION

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2018 TO 12/31/2018 PREPARED BY HNTB



SYMBOLS



COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2018 TO 12/31/2018 PREPARED BY HNTB



SYMBOLS

						PERSONAL INJURY FATALITY	COLLISION NUMBER YEAR OF COLLISION (I.E. 9 = 2009)

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2018 TO 12/31/2018 PREPARED BY HNTB



SYMBOLS

OVERTURNED VEHICLE

HEAD ON COLLISION

COLLISION W/ PED.

REAR END COLLISION

OUT OF CONTROL

RIGHT TURN COLLISION

○ PERSONAL INJURY

● FATALITY

COLLISION NUMBER
YEAR OF COLLISION
(I.E. 9 = 2009)

BACKING VEHICLE

ANGLE COLLISION

COLLISION W/ BIKF

SIDE SWIPE

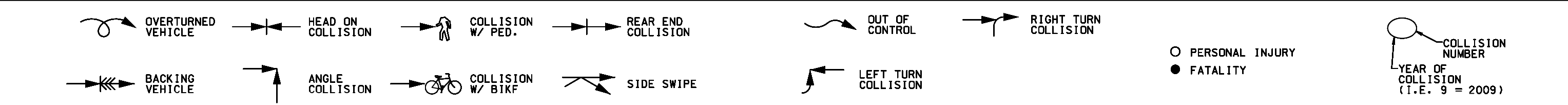
LEFT TURN COLLISION

COLLISION DIAGRAM

LOCATION SR 78 FROM DEL PRADO BLVD N TO HIBISCUS DR
COUNTY LEE CITY FORT MYERS
DATE RANGE 01/01/2018 TO 12/31/2018 PREPARED BY HNTB



SYMBOLS





APPENDIX D: Turning Movement Count Data

FLORIDA DEPARTMENT OF TRANSPORTATION

SUMMARY OF VEHICLE MOVEMENTS

SECTION: N/A

CITY: Cape Coral

COUNTY: Lee

INTR ROUTE: Del Prado Blvd

STATE ROUTE: SR 78/ Pine Island Rd

OBSERVER: Video Cam2

DATE: 10/15/20

MILEPOST:

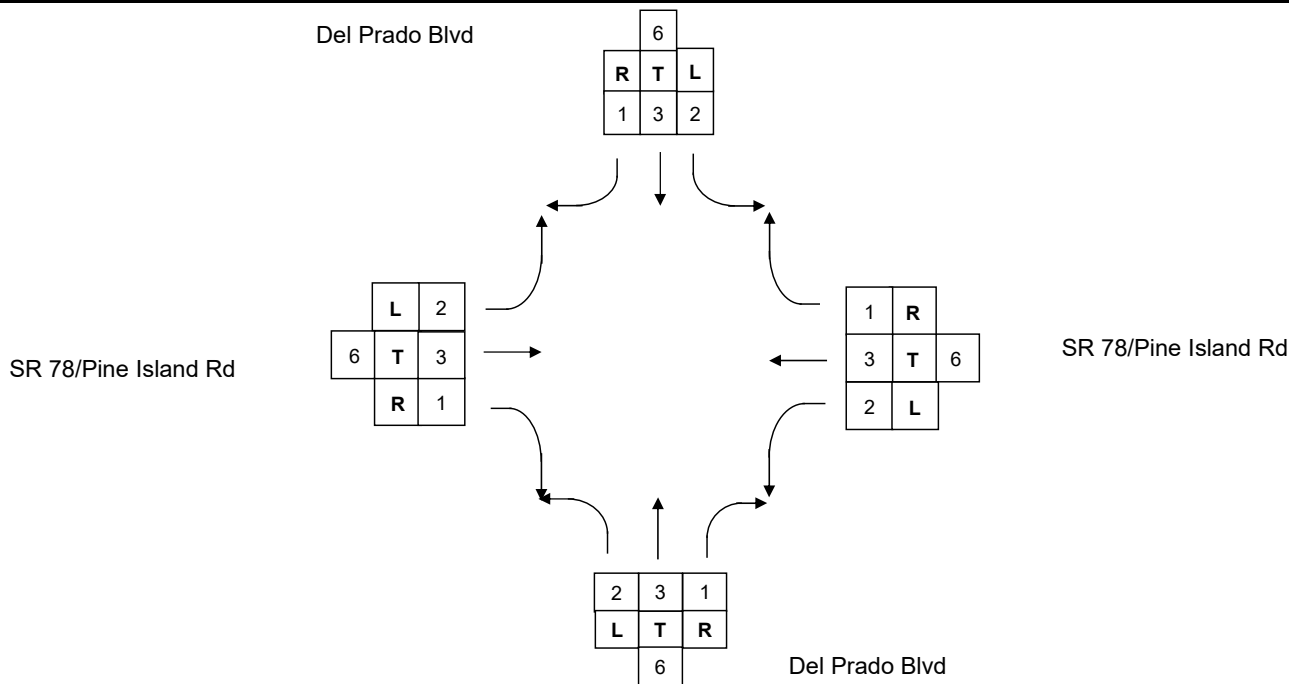
WEATHER: Good - Clear

ROAD CONDITION: Good - Dry

REMARKS:

FORM COMPLETED BY: TM

DATE: 10/29/20



TIME	NORTHBOUND					SOUTHBOUND					TOTAL	EASTBOUND					WESTBOUND					TOTAL
BEGIN/END	L	T	R	U	TOT	L	T	R	U	TOT	N/S	L	T	R	U	TOT	L	T	R	U	TOT	E/W
7 - 8	199	413	253	0	865	429	830	213	1	1,473	2,338	153	1,398	191	0	1,742	326	907	41	2	1,276	3,018
8 - 9	179	489	258	0	926	295	682	218	4	1,199	2,125	179	1,268	201	5	1,653	328	919	70	1	1,318	2,971
9 - 10	199	486	330	7	1,022	265	528	166	0	959	1,981	177	1,029	164	1	1,371	322	832	66	1	1,221	2,592
11 - 12	222	525	370	1	1,118	231	463	199	0	893	2,011	84	934	159	1	1,178	405	944	175	0	1,524	2,702
12 - 1	315	528	377	0	1,220	214	446	213	0	873	2,093	95	963	193	4	1,255	450	1,123	125	1	1,699	2,954
3 - 4	341	721	444	4	1,510	232	555	231	0	1,018	2,528	171	1,205	196	0	1,572	433	1,404	149	0	1,986	3,558
4 - 5	365	724	445	4	1,538	253	492	233	0	978	2,516	143	1,267	214	1	1,625	335	1,490	129	0	1,954	3,579
5 - 6	378	750	465	1	1,594	263	514	194	0	971	2,565	113	1,159	230	0	1,502	340	1,520	126	0	1,986	3,488
TOTAL	2,198	4,636	2,942	17	9,793	2,182	4,510	1,667	5	8,364	18,157	1,115	9,223	1,548	12	11,898	2,939	9,139	881	5	12,964	24,862

FLORIDA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN MOVEMENT SUMMARY

SECTION: N/A CITY: Cape Coral COUNTY: Lee
 INTER. ROUTE: Del Prado Blvd STATE ROUTE: SR 78/ Pine Island Rd
 OBSERVER: Video Cam2 DATE: 10/15/20

REMARKS:

FORM COMPLETED BY: TM

DATE: 10/29/20

Del Prado Blvd



	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	0	0	0	1	0	0	1
	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	1
	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	0	0	2

	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	2	0	2				
	0	0	0	0	0				
	0	0	2	1	3				
	0	0	0	2	2				
	1	1	0	0	2				
	0	0	0	0	0				
	0	0	4	0	4				
	2	0	1	0	3				
Total	3	1	9	3	16				

SR 78/Pine Island Rd

	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	0	0	0				
	0	1	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
Total	0	1	0	0	0				1



	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	0	2	0	0	0	0	2
	0	0	1	0	0	0	0	0	1
	0	1	0	1	0	0	1	0	3
	0	0	0	1	0	0	0	0	1
	0	1	1	4	0	0	1	0	7

Del Prado Blvd

TURNING MOVEMENT COUNT: SR 78/Pine Island Rd @ Del Prado Blvd
EAST/WEST ST: SR 78/Del Prado Blvd
DATE: 10/15/2020
ALL VEHICLES

TIME: 7am-6pm
NORTH/SOUTH ST: Del Prado Blvd
COUNTED BY: Video Cam2

START TIME	NORTHBOUND					SOUTHBOUND					NS TOTAL	EASTBOUND					WESTBOUND					EW TOTAL	GRAND TOTAL
	LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		
7:00	33	78	54	0	165	110	177	55	1	343	508	39	264	36	0	339	75	179	16	0	270	609	1,117
7:15	52	88	63	0	203	119	200	44	0	363	566	34	365	53	0	452	89	203	10	0	302	754	1,320
7:30	41	131	70	0	242	102	234	47	0	383	625	45	426	50	0	521	70	256	9	2	337	858	1,483
7:45	73	116	66	0	255	98	219	67	0	384	639	35	343	52	0	430	92	269	6	0	367	797	1,436
Total	199	413	253	0	865	429	830	213	1	1,473	2,338	153	1,398	191	0	1,742	326	907	41	2	1,276	3,018	5,356
8:00	45	98	59	0	202	59	154	49	0	262	464	53	381	42	1	477	85	234	15	0	334	811	1,275
8:15	48	150	73	0	271	85	185	56	4	330	601	42	310	54	2	408	73	222	20	1	316	724	1,325
8:30	50	103	63	0	216	87	168	65	0	320	536	29	295	53	2	379	105	228	20	0	353	732	1,268
8:45	36	138	63	0	237	64	175	48	0	287	524	55	282	52	0	389	65	235	15	0	315	704	1,228
Total	179	489	258	0	926	295	682	218	4	1,199	2,125	179	1,268	201	5	1,653	328	919	70	1	1,318	2,971	5,096
9:00	65	111	88	0	264	64	147	39	0	250	514	50	250	28	1	329	91	192	20	0	303	632	1,146
9:15	47	117	74	0	238	59	109	38	0	206	444	46	224	49	0	319	95	202	17	1	315	634	1,078
9:30	48	135	94	1	278	65	173	61	0	299	577	45	289	40	0	374	66	210	9	0	285	659	1,236
9:45	39	123	74	6	242	77	99	28	0	204	446	36	266	47	0	349	70	228	20	0	318	667	1,113
Total	199	486	330	7	1,022	265	528	166	0	959	1,981	177	1,029	164	1	1,371	322	832	66	1	1,221	2,592	4,573
11:00	49	143	84	0	276	65	122	53	0	240	516	21	212	59	0	292	97	247	37	0	381	673	1,189
11:15	66	136	83	1	286	45	114	46	0	205	491	25	256	25	0	306	130	194	26	0	350	656	1,147
11:30	57	121	75	0	253	46	114	46	0	206	459	16	218	39	1	274	103	266	38	0	407	681	1,140
11:45	50	125	128	0	303	75	113	54	0	242	545	22	248	36	0	306	75	237	74	0	386	692	1,237
Total	222	525	370	1	1,118	231	463	199	0	893	2,011	84	934	159	1	1,178	405	944	175	0	1,524	2,702	4,713
12:00	84	145	93	0	322	42	93	49	0	184	506	39	234	46	3	322	118	284	23	1	426	748	1,254
12:15	83	142	112	0	337	55	117	63	0	235	572	32	243	48	0	323	113	286	37	0	436	759	1,331
12:30	80	117	92	0	289	51	120	55	0	226	515	13	264	41	0	318	108	293	26	0	427	745	1,260
12:45	68	124	80	0	272	66	116	46	0	228	500	11	222	58	1	292	111	260	39	0	410	702	1,202
Total	315	528	377	0	1,220	214	446	213	0	873	2,093	95	963	193	4	1,255	450	1,123	125	1	1,699	2,954	5,047
15:00	85	169	118	0	372	56	144	49	0	249	621	46	287	57	0	390	140	316	36	0	492	882	1,503
15:15	89	194	115	2	400	59	136	58	0	253	653	48	292	56	0	396	105	347	37	0	489	885	1,538
15:30	83	168	101	2	354	60	151	59	0	270	624	36	312	40	0	388	91	374	38	0	503	891	1,515
15:45	84	190	110	0	384	57	124	65	0	246	630	41	314	43	0	398	97	367	38	0	502	900	1,530
Total	341	721	444	4	1,510	232	555	231	0	1,018	2,528	171	1,205	196	0	1,572	433	1,404	149	0	1,986	3,558	6,086
16:00	82	164	96	0	342	63	129	53	0	245	587	26	299	53	1	379	93	361	36	0	490	869	1,456
16:15	103	171	118	2	394	68	117	59	0	244	638	37	338	61	0	436	77	358	23	0	458	894	1,532
16:30	87	194	98	1	380	63	119	61	0	243	623	37	310	56	0	403	77	368	43	0	488	891	1,514
16:45	93	195	133	1	422	59	127	60	0	246	668	43	320	44	0	407	88	403	27	0	518	925	1,593
Total	365	724	445	4	1,538	253	492	233	0	978	2,516	143	1,267	214	1	1,625	335	1,490	129	0	1,954	3,579	6,095
17:00	99	208	124	0	431	65	125	55	0	245	676	31	296	69	0	396	93	391	40	0	524	920	1,596
17:15	93	175	108	1	377	65	106	54	0	225	602	39	327	50	0	416	75	399	24	0	498	914	1,516
17:30	120	194	137	0	451	64	154	41	0	259	710	18	269	66	0	353	75	366	28	0	469	822	1,532
17:45	66	173	96	0	335	69	129	44	0	242	577	25	267	45	0	337	97	364	34	0	495	832	1,409
Total	378	750	465	1	1,594	263	514	194	0	971	2,565	113	1,159	230	0	1,502	340	1,520	126	0	1,986	3,488	6,053

Cars

Street Name	SB (Del Prado Blvd)				WB (SR 78/Pine Island Rd)				NB (Del Prado Blvd)				EB (SR 78/Pine Island Rd)			
Start Time	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn
7:00	105	172	49	1	73	161	16	0	29	74	50	0	33	256	36	0
7:15	116	196	44	0	83	181	10	0	48	81	62	0	32	346	51	0
7:30	97	231	47	0	68	234	6	0	41	125	67	0	40	414	48	0
7:45	90	211	63	0	88	230	6	0	71	112	66	0	33	333	51	0
8:00	59	151	48	0	79	214	13	0	42	97	54	0	52	362	39	0
8:15	82	180	55	4	69	199	17	0	46	146	71	0	39	291	51	2
8:30	85	165	62	0	99	203	20	0	49	97	60	0	29	279	52	2
8:45	60	170	47	0	61	212	14	0	36	131	61	0	52	270	52	0
9:00	60	145	36	0	90	175	18	0	65	108	84	0	47	229	27	1
9:15	59	104	36	0	91	181	15	1	45	115	73	0	44	212	48	0
9:30	62	166	59	0	62	196	8	0	45	130	88	1	42	274	39	0
9:45	76	93	26	0	68	200	19	0	38	118	72	6	34	256	45	0
11:00	64	119	53	0	97	236	34	0	48	141	84	0	19	195	53	0
11:15	42	109	37	0	124	183	24	0	64	135	81	1	23	245	24	0
11:30	44	110	43	0	101	256	36	0	57	119	73	0	15	205	37	0
11:45	73	112	52	0	73	226	70	0	49	124	128	0	21	237	35	0
12:00	42	89	44	0	117	273	20	1	83	143	92	0	31	221	46	1
12:15	54	115	60	0	110	273	35	0	82	137	108	0	28	231	48	0
12:30	49	119	53	0	108	278	25	0	79	115	90	0	13	246	41	0
12:45	62	110	43	0	108	248	39	0	68	122	78	0	11	200	57	1
15:00	52	138	44	0	135	302	33	0	84	167	114	0	43	272	56	0
15:15	56	134	55	0	102	329	37	0	89	191	111	2	44	268	55	0
15:30	58	149	56	0	90	358	34	0	82	167	96	2	35	292	39	0
15:45	55	121	61	0	96	350	38	0	83	187	106	0	37	293	43	0
16:00	62	129	51	0	92	349	32	0	82	161	96	0	25	272	52	1
16:15	66	115	54	0	75	350	20	0	102	169	111	2	36	316	60	0
16:30	62	116	59	0	75	360	41	0	87	194	96	1	35	294	53	0
16:45	57	126	59	0	86	393	27	0	89	193	133	1	41	309	44	0
17:00	61	120	54	0	93	380	39	0	99	207	123	0	29	283	69	0
17:15	60	106	53	0	75	395	24	0	93	173	104	1	37	311	48	0
17:30	64	153	40	0	74	360	28	0	118	194	136	0	18	262	66	0
17:45	67	128	44	0	95	360	34	0	64	168	96	0	25	261	45	0

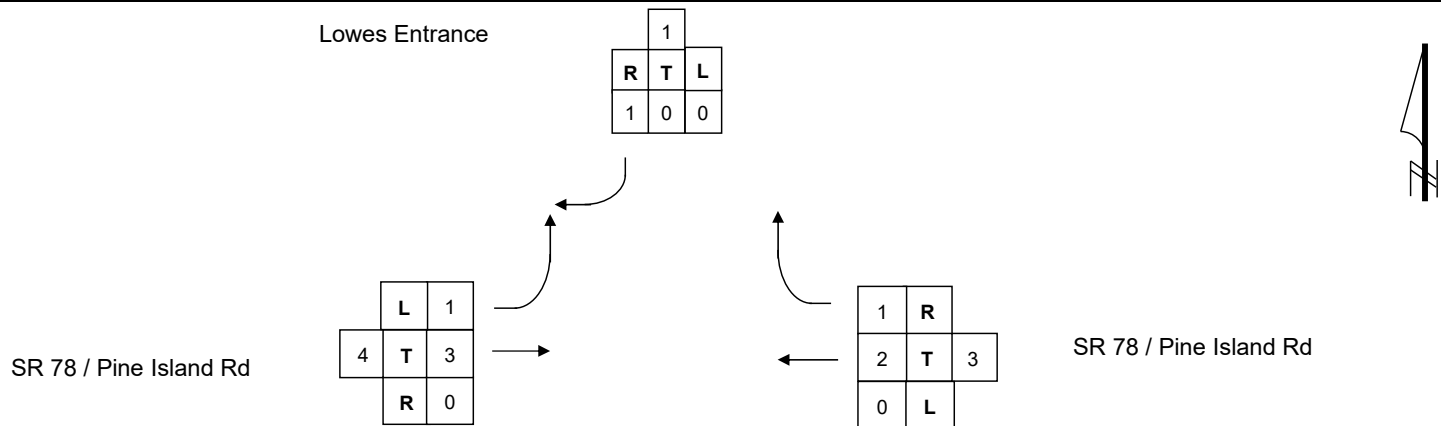
Trucks

Street Name	SB (Del Prado Blvd)				WB (SR 78/Pine Island Rd)				NB (Del Prado Blvd)				EB (SR 78/Pine Island Rd)			
Start Time	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn
7:00	5	5	6	0	2	18	0	0	4	4	4	0	6	8	0	0
7:15	3	4	0	0	6	22	0	0	4	7	1	0	2	19	2	0
7:30	5	3	0	0	2	22	3	2	0	6	3	0	5	12	2	0
7:45	8	8	4	0	4	39	0	0	2	4	0	0	2	10	1	0
8:00	0	3	1	0	6	20	2	0	3	1	5	0	1	19	3	1
8:15	3	5	1	0	4	23	3	1	2	4	2	0	3	19	3	0
8:30	2	3	3	0	6	25	0	0	1	6	3	0	0	16	1	0
8:45	4	5	1	0	4	23	1	0	0	7	2	0	3	12	0	0
9:00	4	2	3	0	1	17	2	0	0	3	4	0	3	21	1	0
9:15	0	5	2	0	4	21	2	0	2	2	1	0	2	12	1	0
9:30	3	7	2	0	4	14	1	0	3	5	6	0	3	15	1	0
9:45	1	6	2	0	2	28	1	0	1	5	2	0	2	10	2	0
11:00	1	3	0	0	0	11	3	0	1	2	0	0	2	17	6	0
11:15	3	5	9	0	6	11	2	0	2	1	2	0	2	11	1	0
11:30	2	4	3	0	2	10	2	0	0	2	2	0	1	13	2	1
11:45	2	1	2	0	2	11	4	0	1	1	0	0	1	11	1	0
12:00	0	4	5	0	1	11	3	0	1	2	1	0	8	13	0	2
12:15	1	2	3	0	3	13	2	0	1	5	4	0	4	12	0	0
12:30	2	1	2	0	0	15	1	0	1	2	2	0	0	18	0	0
12:45	4	6	3	0	3	12	0	0	0	2	2	0	0	22	1	0
15:00	4	6	5	0	5	14	3	0	1	2	4	0	3	15	1	0
15:15	3	2	3	0	3	18	0	0	0	3	4	0	4	24	1	0
15:30	2	2	3	0	1	16	4	0	1	1	5	0	1	20	1	0
15:45	2	3	4	0	1	17	0	0	1	3	4	0	4	21	0	0
16:00	1	0	2	0	1	12	4	0	0	3	0	0	1	27	1	0
16:15	2	2	5	0	2	8	3	0	1	2	7	0	1	22	1	0
16:30	1	3	2	0	2	8	2	0	0	0	2	0	2	16	3	0
16:45	2	1	1	0	2	10	0	0	4	2	0	0	2	11	0	0
17:00	4	5	1	0	0	11	1	0	0	1	1	0	2	13	0	0
17:15	5	0	1	0	0	4	0	0	0	2	4	0	2	16	2	0
17:30	0	1	1	0	1	6	0	0	2	0	1	0	0	7	0	0
17:45	2	1	0	0	2	4	0	0	2	5	0	0	0	6	0	0

FLORIDA DEPARTMENT OF TRANSPORTATION

SUMMARY OF VEHICLE MOVEMENTS

SECTION: N/A	CITY: Cape Coral	COUNTY: Lee
INTR ROUTE: Lowes Entrance	STATE ROUTE: SR 78 / Pine Island Rd	
OBSERVER: Video Cam2	DATE: 10/15/20	MILEPOST:
WEATHER: Clear - Sunny	ROAD CONDITION: Good - Dry	
REMARKS:		
FORM COMPLETED BY: TM		DATE: 10/26/20



TIME	NORTHBOUND					SOUTHBOUND					TOTAL	EASTBOUND					WESTBOUND					TOTAL
BEGIN/END	L	T	R	U	TOT	L	T	R	U	TOT	N/S	L	T	R	U	TOT	L	T	R	U	TOT	E/W
7 - 8	0	0	0	0	0	0	0	0	42	0	42	84	1,959	0	30	2,073	0	1,296	19	0	1,315	3,388
8 - 9	0	0	0	0	0	0	0	0	63	0	63	89	1,694	0	37	1,820	0	1,274	31	0	1,305	3,125
9 - 10	0	0	0	0	0	0	0	0	84	0	84	86	1,483	0	31	1,600	0	1,253	32	0	1,285	2,885
11 - 12	0	0	0	0	0	0	0	0	111	0	111	92	1,667	0	33	1,792	0	1,452	51	0	1,503	3,295
12 - 1	0	0	0	0	0	0	0	0	94	0	94	99	1,554	0	46	1,699	0	1,620	49	0	1,669	3,368
3 - 4	0	0	0	0	0	0	0	0	104	0	104	90	1,789	0	31	1,910	0	1,959	48	0	2,007	3,917
4 - 5	0	0	0	0	0	0	0	0	128	0	128	96	1,812	0	39	1,947	0	2,251	59	0	2,310	4,257
5 - 6	0	0	0	0	0	0	0	0	116	0	116	117	1,762	0	51	1,930	0	2,327	32	0	2,359	4,289
TOTAL	0	0	0	0		0	0	0	742	0	742	753	13,720	0	298	14,771	0	13,432	321	0	13,753	28,524

PEDESTRIAN MOVEMENT SUMMARY

DATE: 10/26/20

[illegible]

TURNING MOVEMENT COUNT: SR 78 / Pine Island Rd @ Lowes Entrance
 EAST/WEST ST: SR 78 / Pine Island Rd
 DATE: 10/15/2020
 ALL VEHICLES

TIME: 7am-6pm
 NORTH/SOUTH ST: Lowes Entrance - Exit
 COUNTED BY: Video Cam2

START TIME	NORTHBOUND					SOUTHBOUND					NS TOTAL	EASTBOUND					WESTBOUND					EW TOTAL	GRAND TOTAL
	LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		
7:00	0	0	0	0	0	0	0	7	0	7	7	16	402	0	8	426	0	289	2	0	291	717	724
7:15	0	0	0	0	0	0	0	9	0	9	9	25	543	0	6	574	0	282	4	0	286	860	869
7:30	0	0	0	0	0	0	0	11	0	11	11	22	518	0	5	545	0	351	5	0	356	901	912
7:45	0	0	0	0	0	0	0	15	0	15	15	21	496	0	11	528	0	374	8	0	382	910	925
Total	0	0	0	0	0	0	0	42	0	42	42	84	1,959	0	30	2,073	0	1,296	19	0	1,315	3,388	3,430
8:00	0	0	0	0	0	0	0	13	0	13	13	18	457	0	9	484	0	301	6	0	307	791	804
8:15	0	0	0	0	0	0	0	14	0	14	14	28	422	0	13	463	0	355	11	0	366	829	843
8:30	0	0	0	0	0	0	0	20	0	20	20	15	415	0	10	440	0	312	10	0	322	762	782
8:45	0	0	0	0	0	0	0	16	0	16	16	28	400	0	5	433	0	306	4	0	310	743	759
Total	0	0	0	0	0	0	0	63	0	63	63	89	1,694	0	37	1,820	0	1,274	31	0	1,305	3,125	3,188
9:00	0	0	0	0	0	0	0	22	0	22	22	24	359	0	10	393	0	295	5	0	300	693	715
9:15	0	0	0	0	0	0	0	23	0	23	23	18	340	0	9	367	0	316	9	0	325	692	715
9:30	0	0	0	0	0	0	0	21	0	21	21	25	407	0	7	439	0	299	12	0	311	750	771
9:45	0	0	0	0	0	0	0	18	0	18	18	19	377	0	5	401	0	343	6	0	349	750	768
Total	0	0	0	0	0	0	0	84	0	84	84	86	1,483	0	31	1,600	0	1,253	32	0	1,285	2,885	2,969
11:00	0	0	0	0	0	0	0	23	0	23	23	29	387	0	7	423	0	363	10	0	373	796	819
11:15	0	0	0	0	0	0	0	29	0	29	29	27	395	0	9	431	0	348	13	0	361	792	821
11:30	0	0	0	0	0	0	0	27	0	27	27	12	437	0	7	456	0	367	11	0	378	834	861
11:45	0	0	0	0	0	0	0	32	0	32	32	24	448	0	10	482	0	374	17	0	391	873	905
Total	0	0	0	0	0	0	0	111	0	111	111	92	1,667	0	33	1,792	0	1,452	51	0	1,503	3,295	3,406
12:00	0	0	0	0	0	0	0	22	0	22	22	26	358	0	15	399	0	408	14	0	422	821	843
12:15	0	0	0	0	0	0	0	32	0	32	32	25	412	0	11	448	0	421	10	0	431	879	911
12:30	0	0	0	0	0	0	0	22	0	22	22	30	387	0	8	425	0	385	12	0	397	822	844
12:45	0	0	0	0	0	0	0	18	0	18	18	18	397	0	12	427	0	406	13	0	419	846	864
Total	0	0	0	0	0	0	0	94	0	94	94	99	1,554	0	46	1,699	0	1,620	49	0	1,669	3,368	3,462
15:00	0	0	0	0	0	0	0	41	0	41	41	16	423	0	8	447	0	443	16	0	459	906	947
15:15	0	0	0	0	0	0	0	18	0	18	18	16	414	0	9	439	0	483	12	0	495	934	952
15:30	0	0	0	0	0	0	0	27	0	27	27	36	468	0	4	508	0	510	9	0	519	1,027	1,054
15:45	0	0	0	0	0	0	0	18	0	18	18	22	484	0	10	516	0	523	11	0	534	1,050	1,068
Total	0	0	0	0	0	0	0	104	0	104	104	90	1,789	0	31	1,910	0	1,959	48	0	2,007	3,917	4,021
16:00	0	0	0	0	0	0	0	45	0	45	45	23	458	0	11	492	0	540	16	0	556	1,048	1,093
16:15	0	0	0	0	0	0	0	17	0	17	17	20	462	0	3	485	0	539	14	0	553	1,038	1,055
16:30	0	0	0	0	0	0	0	29	0	29	29	26	448	0	13	487	0	574	13	0	587	1,074	1,103
16:45	0	0	0	0	0	0	0	37	0	37	37	27	444	0	12	483	0	598	16	0	614	1,097	1,134
Total	0	0	0	0	0	0	0	128	0	128	128	96	1,812	0	39	1,947	0	2,251	59	0	2,310	4,257	4,385
17:00	0	0	0	0	0	0	0	31	0	31	31	41	425	0	14	480	0	584	9	0	593	1,073	1,104
17:15	0	0	0	0	0	0	0	27	0	27	27	33	445	0	10	488	0	616	5	0	621	1,109	1,136
17:30	0	0	0	0	0	0	0	26	0	26	26	25	475	0	14	514	0	581	9	0	590	1,104	1,130
17:45	0	0	0	0	0	0	0	32	0	32	32	18	417	0	13	448	0	546	9	0	555	1,003	1,035
Total	0	0	0	0	0	0	0	116	0	116	116	117	1,762	0	51	1,930	0	2,327	32	0	2,359	4,289	4,405

Cars

Street Name	SB (Lowes Entrance - Exit)				WB (SR 78 / Pinelands Rd)				NB ()				EB (SR 78 / Pine Island Rd)			
Start Time	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn
7:00	0	0	7	0	0	262	2	0	0	0	0	0	16	381	0	8
7:15	0	0	8	0	0	253	4	0	0	0	0	0	25	521	0	6
7:30	0	0	11	0	0	315	5	0	0	0	0	0	22	501	0	5
7:45	0	0	14	0	0	338	8	0	0	0	0	0	21	477	0	11
8:00	0	0	12	0	0	271	6	0	0	0	0	0	18	430	0	9
8:15	0	0	14	0	0	321	11	0	0	0	0	0	27	401	0	13
8:30	0	0	19	0	0	283	10	0	0	0	0	0	15	396	0	8
8:45	0	0	16	0	0	278	4	0	0	0	0	0	28	377	0	5
9:00	0	0	22	0	0	269	5	0	0	0	0	0	24	334	0	10
9:15	0	0	23	0	0	283	9	0	0	0	0	0	17	327	0	9
9:30	0	0	21	0	0	273	12	0	0	0	0	0	25	382	0	7
9:45	0	0	18	0	0	316	6	0	0	0	0	0	19	363	0	5
11:00	0	0	23	0	0	346	10	0	0	0	0	0	29	365	0	7
11:15	0	0	29	0	0	330	13	0	0	0	0	0	26	378	0	9
11:30	0	0	26	0	0	351	11	0	0	0	0	0	12	422	0	7
11:45	0	0	32	0	0	356	16	0	0	0	0	0	24	434	0	10
12:00	0	0	22	0	0	390	14	0	0	0	0	0	26	341	0	15
12:15	0	0	32	0	0	404	10	0	0	0	0	0	25	392	0	11
12:30	0	0	22	0	0	369	12	0	0	0	0	0	30	363	0	8
12:45	0	0	17	0	0	387	12	0	0	0	0	0	18	363	0	11
15:00	0	0	40	0	0	418	16	0	0	0	0	0	15	400	0	8
15:15	0	0	18	0	0	455	12	0	0	0	0	0	15	389	0	9
15:30	0	0	27	0	0	495	8	0	0	0	0	0	35	442	0	4
15:45	0	0	17	0	0	499	11	0	0	0	0	0	22	452	0	10
16:00	0	0	44	0	0	526	16	0	0	0	0	0	23	433	0	11
16:15	0	0	17	0	0	522	14	0	0	0	0	0	20	427	0	3
16:30	0	0	29	0	0	561	13	0	0	0	0	0	24	429	0	12
16:45	0	0	35	0	0	590	16	0	0	0	0	0	27	431	0	12
17:00	0	0	30	0	0	564	9	0	0	0	0	0	39	412	0	14
17:15	0	0	27	0	0	610	5	0	0	0	0	0	33	426	0	10
17:30	0	0	26	0	0	570	8	0	0	0	0	0	24	464	0	14
17:45	0	0	31	0	0	542	9	0	0	0	0	0	18	408	0	13

Trucks

[illegible]

FLORIDA DEPARTMENT OF TRANSPORTATION

SUMMARY OF VEHICLE MOVEMENTS

SECTION: N/A

CITY: Cape Coral

COUNTY: Lee

INTR ROUTE: Pondella Rd

STATE ROUTE: SR 78 / Pine Island Rd

OBSERVER: Video Cam2

DATE: 10/15/20

MILEPOST:

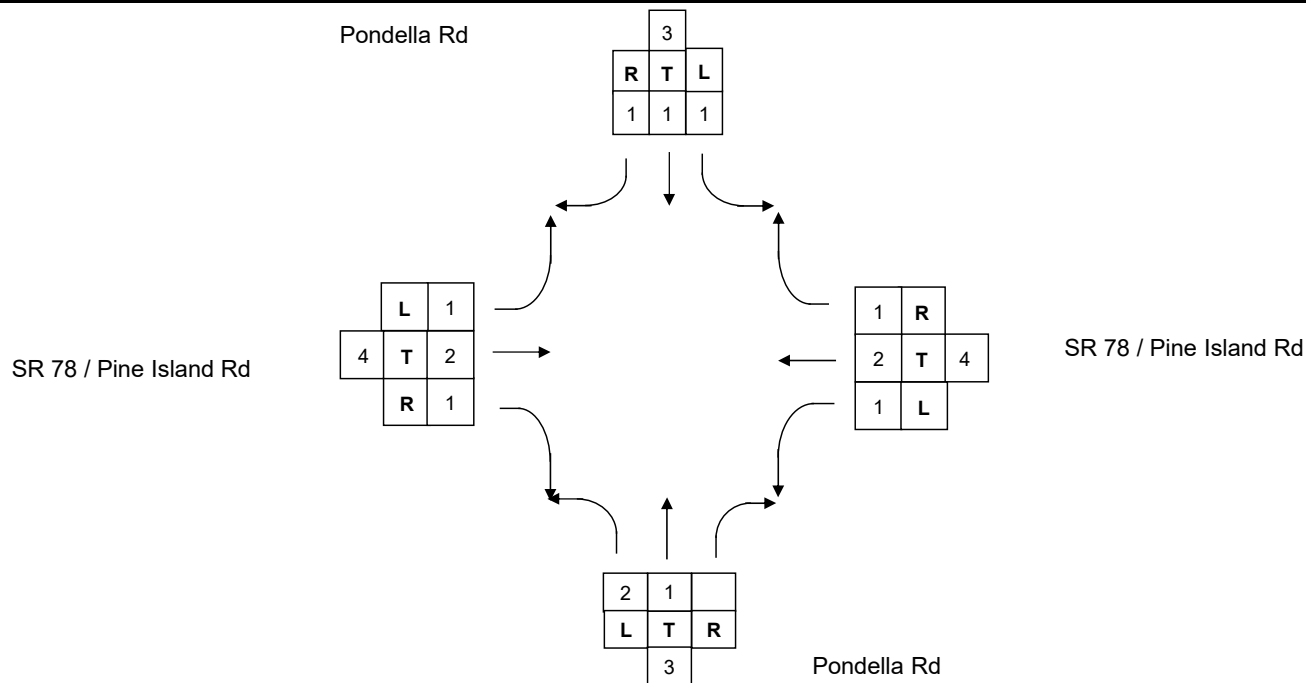
WEATHER: Clear - Sunny

ROAD CONDITION: Good - Dry

REMARKS:

FORM COMPLETED BY: TM

DATE: 10/26/20



TIME	NORTHBOUND					SOUTHBOUND					TOTAL	EASTBOUND					WESTBOUND					TOTAL
BEGIN/END	L	T	R	U	TOT	L	T	R	U	TOT	N/S	L	T	R	U	TOT	L	T	R	U	TOT	E/W
7 - 8	422	48	7	0	477	53	48	31	0	132	609	22	1,099	861	2	1,984	25	833	28	0	886	2,870
8 - 9	414	71	20	0	505	44	58	28	0	130	635	50	1,042	614	1	1,707	27	768	33	2	830	2,537
9 - 10	373	58	30	0	461	71	54	42	0	167	628	72	950	417	2	1,441	61	753	24	4	842	2,283
11 - 12	451	101	32	0	584	95	81	65	0	241	825	94	1,118	367	3	1,582	55	1,044	45	25	1,169	2,751
12 - 1	478	127	35	1	641	125	93	70	0	288	929	75	1,153	383	5	1,616	76	1,041	19	17	1,153	2,769
3 - 4	699	115	36	0	850	100	114	82	0	296	1,146	72	1,212	410	5	1,699	50	1,150	34	9	1,243	2,942
4 - 5	818	132	18	0	968	83	103	87	0	273	1,241	73	1,246	423	1	1,743	48	1,220	32	17	1,317	3,060
5 - 6	784	155	28	0	967	65	86	103	0	254	1,221	63	1,295	402	2	1,762	62	1,183	37	15	1,297	3,059
TOTAL	4,439	807	206	1	5,453	636	637	508	0	1,781	7,234	521	9,115	3,877	21	13,534	404	7,992	252	89	8,737	22,271

FLORIDA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN MOVEMENT SUMMARY

SECTION: N/A CITY: Cape Coral COUNTY: Lee
 INTER. ROUTE: Pondella Rd STATE ROUTE: SR 78 / Pine Island Rd
 OBSERVER: Video Cam2 DATE: 10/15/20

REMARKS:

FORM COMPLETED BY: TM

DATE: 10/26/20

Pondella Rd



	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total	
	1	0	0	0	1	0	2	0	4	
	0	0	0	0	0	0	1	0	1	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	1	1	
	1	0	0	0	1	0	3	1	6	

	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	1	0	1				
	0	0	0	1	1				
	0	0	0	2	2				
	2	0	0	0	0				
	0	0	0	0	0				
	1	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
Total	3	0	1	3	7				

SR 78 / Pine Island Rd

	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
Total	0	0	0	0	0				



	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	

Pondella Rd

TURNING MOVEMENT COUNT: SR 78 / Pine Island Rd @ Pondella Rd
 EAST/WEST ST: SR 78 / Pine Island Rd
 DATE: 10/15/2020
 ALL VEHICLES

TIME: 7am-6pm
 NORTH/SOUTH ST: Pondella Rd
 COUNTED BY: Video Cam2

START TIME	NORTHBOUND					SOUTHBOUND					NS TOTAL	EASTBOUND					WESTBOUND					EW TOTAL	GRAND TOTAL
	LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		
7:00	97	14	0	0	111	13	18	6	0	37	148	9	222	189	0	420	6	170	8	0	184	604	752
7:15	115	14	3	0	132	19	6	8	0	33	165	4	292	222	0	518	4	145	8	0	157	675	840
7:30	97	4	2	0	103	13	12	7	0	32	135	3	295	244	2	544	5	240	3	0	248	792	927
7:45	113	16	2	0	131	8	12	10	0	30	161	6	290	206	0	502	10	278	9	0	297	799	960
Total	422	48	7	0	477	53	48	31	0	132	609	22	1,099	861	2	1,984	25	833	28	0	886	2,870	3,479
8:00	91	15	7	0	113	4	10	7	0	21	134	11	283	184	0	478	7	181	4	1	193	671	805
8:15	109	9	4	0	122	9	15	7	0	31	153	14	274	164	0	452	7	210	8	0	225	677	830
8:30	124	31	4	0	159	13	10	8	0	31	190	8	232	139	0	379	7	178	5	1	191	570	760
8:45	90	16	5	0	111	18	23	6	0	47	158	17	253	127	1	398	6	199	16	0	221	619	777
Total	414	71	20	0	505	44	58	28	0	130	635	50	1,042	614	1	1,707	27	768	33	2	830	2,537	3,172
9:00	99	17	5	0	121	13	12	10	0	35	156	14	249	108	1	372	9	188	5	1	203	575	731
9:15	97	15	13	0	125	23	13	15	0	51	176	18	201	111	1	331	11	172	5	1	189	520	696
9:30	73	10	7	0	90	9	22	3	0	34	124	21	248	95	0	364	25	194	3	1	223	587	711
9:45	104	16	5	0	125	26	7	14	0	47	172	19	252	103	0	374	16	199	11	1	227	601	773
Total	373	58	30	0	461	71	54	42	0	167	628	72	950	417	2	1,441	61	753	24	4	842	2,283	2,911
11:00	104	25	7	0	136	27	8	13	0	48	184	18	272	83	0	373	14	227	9	5	255	628	812
11:15	110	15	12	0	137	24	27	13	0	64	201	22	249	93	1	365	21	271	15	9	316	681	882
11:30	112	25	6	0	143	17	28	18	0	63	206	22	292	97	1	412	9	273	10	5	297	709	915
11:45	125	36	7	0	168	27	18	21	0	66	234	32	305	94	1	432	11	273	11	6	301	733	967
Total	451	101	32	0	584	95	81	65	0	241	825	94	1,118	367	3	1,582	55	1,044	45	25	1,169	2,751	3,576
12:00	124	45	4	0	173	42	25	13	0	80	253	26	286	68	1	381	14	256	4	5	279	660	913
12:15	122	35	11	0	168	25	23	17	0	65	233	25	291	116	0	432	17	297	3	2	319	751	984
12:30	114	32	6	0	152	32	21	17	0	70	222	14	288	99	2	403	27	246	6	5	284	687	909
12:45	118	15	14	1	148	26	24	23	0	73	221	10	288	100	2	400	18	242	6	5	271	671	892
Total	478	127	35	1	641	125	93	70	0	288	929	75	1,153	383	5	1,616	76	1,041	19	17	1,153	2,769	3,698
15:00	161	28	6	0	195	29	34	32	0	95	290	22	305	95	2	424	15	261	9	2	287	711	1,001
15:15	182	28	12	0	222	36	20	18	0	74	296	21	282	103	0	406	7	291	7	1	306	712	1,008
15:30	184	35	6	0	225	12	34	14	0	60	285	16	305	105	3	429	14	285	8	4	311	740	1,025
15:45	172	24	12	0	208	23	26	18	0	67	275	13	320	107	0	440	14	313	10	2	339	779	1,054
Total	699	115	36	0	850	100	114	82	0	296	1,146	72	1,212	410	5	1,699	50	1,150	34	9	1,243	2,942	4,088
16:00	193	37	1	0	231	20	27	30	0	77	308	20	319	94	1	434	12	278	10	2	302	736	1,044
16:15	190	31	7	0	228	25	18	23	0	66	294	23	306	101	0	430	11	271	6	7	295	725	1,019
16:30	214	31	8	0	253	22	29	16	0	67	320	15	301	114	0	430	17	325	7	6	355	785	1,105
16:45	221	33	2	0	256	16	29	18	0	63	319	15	320	114	0	449	8	346	9	2	365	814	1,133
Total	818	132	18	0	968	83	103	87	0	273	1,241	73	1,246	423	1	1,743	48	1,220	32	17	1,317	3,060	4,301
17:00	217	42	8	0	267	16	27	24	0	67	334	16	353	114	0	483	15	276	8	5	304	787	1,121
17:15	188	49	7	0	244	18	16	36	0	70	314	19	339	113	1	472	16	287	3	2	308	780	1,094
17:30	217	33	5	0	255	14	22	18	0	54	309	11	321	91	0	423	15	316	11	3	345	768	1,077
17:45	162	31	8	0	201	17	21	25	0	63	264	17	282	84	1	384	16	304	15	5	340	724	988
Total	784	155	28	0	967	65	86	103	0	254	1,221	63	1,295	402	2	1,762	62	1,183	37	15	1,297	3,059	4,280

Cars

Street Name	SB (Pondella Rd)				WB (SR 78 / Pine Island Rd)				NB (Pondella Rd)				EB (SR 78 / Pine Island Rd)			
Start Time	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn
7:00	13	18	6	0	5	160	8	0	84	13	0	0	9	207	184	0
7:15	19	6	8	0	4	131	8	0	102	13	3	0	4	275	216	0
7:30	13	12	7	0	5	220	3	0	88	4	1	0	3	280	237	2
7:45	8	12	10	0	9	252	9	0	101	15	2	0	6	275	199	0
8:00	4	10	6	0	7	162	4	1	84	14	7	0	11	267	175	0
8:15	9	15	7	0	7	191	8	0	99	8	4	0	14	262	148	0
8:30	13	9	7	0	7	162	5	1	108	31	2	0	8	223	132	0
8:45	18	23	6	0	4	188	16	0	74	14	5	0	17	238	117	1
9:00	13	12	10	0	8	172	5	1	89	17	4	0	14	228	99	1
9:15	23	13	15	0	9	152	5	1	87	15	13	0	18	190	107	1
9:30	8	21	3	0	23	180	3	1	62	10	7	0	21	235	87	0
9:45	26	7	14	0	16	187	11	1	93	16	5	0	19	239	99	0
11:00	27	8	13	0	14	220	8	5	98	24	7	0	18	260	71	0
11:15	24	27	13	0	20	259	15	8	104	15	12	0	22	238	86	1
11:30	17	26	18	0	9	264	10	5	103	25	6	0	22	279	92	1
11:45	27	18	20	0	11	262	11	6	118	35	7	0	32	292	91	1
12:00	42	25	13	0	13	246	4	5	119	45	4	0	26	274	60	1
12:15	25	23	17	0	17	283	3	2	116	35	11	0	25	285	102	0
12:30	32	20	17	0	27	239	6	5	108	32	6	0	14	275	88	2
12:45	26	24	23	0	18	230	6	4	111	15	14	0	10	273	83	2
15:00	29	34	32	0	15	246	9	2	156	28	4	0	22	286	88	2
15:15	36	20	17	0	7	281	7	1	170	28	12	0	21	268	89	0
15:30	12	34	14	0	14	275	8	4	180	35	6	0	16	286	97	3
15:45	23	25	18	0	14	298	10	2	166	24	11	0	13	302	100	0
16:00	20	27	30	0	12	272	10	2	189	36	1	0	20	300	89	1
16:15	25	17	23	0	10	262	6	7	183	31	7	0	23	293	91	0
16:30	22	28	16	0	16	317	7	6	210	31	8	0	15	292	104	0
16:45	16	29	18	0	8	341	9	2	219	33	1	0	15	312	111	0
17:00	16	27	24	0	15	264	8	5	209	42	8	0	16	341	110	0
17:15	18	16	35	0	16	285	3	2	188	49	7	0	18	326	104	1
17:30	14	22	18	0	15	309	11	3	215	33	5	0	11	318	89	0
17:45	17	21	25	0	16	301	15	5	161	31	8	0	17	278	80	1

Trucks

Street Name	SB (Pondella Rd)				WB (SR 78 / Pine Island Rd)				NB (Pondella Rd)				EB (SR 78 / Pine Island Rd)			
Start Time	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn
7:00	0	0	0	0	1	10	0	0	13	1	0	0	0	15	5	0
7:15	0	0	0	0	0	14	0	0	13	1	0	0	0	17	6	0
7:30	0	0	0	0	0	20	0	0	9	0	1	0	0	15	7	0
7:45	0	0	0	0	1	26	0	0	12	1	0	0	0	15	7	0
8:00	0	0	1	0	0	19	0	0	7	1	0	0	0	16	9	0
8:15	0	0	0	0	0	19	0	0	10	1	0	0	0	12	16	0
8:30	0	1	1	0	0	16	0	0	16	0	2	0	0	9	7	0
8:45	0	0	0	0	2	11	0	0	16	2	0	0	0	15	10	0
9:00	0	0	0	0	1	16	0	0	10	0	1	0	0	21	9	0
9:15	0	0	0	0	2	20	0	0	10	0	0	0	0	11	4	0
9:30	1	1	0	0	2	14	0	0	11	0	0	0	0	13	8	0
9:45	0	0	0	0	0	12	0	0	11	0	0	0	0	13	4	0
11:00	0	0	0	0	0	7	1	0	6	1	0	0	0	12	12	0
11:15	0	0	0	0	1	12	0	1	6	0	0	0	0	11	7	0
11:30	0	2	0	0	0	9	0	0	9	0	0	0	0	13	5	0
11:45	0	0	1	0	0	11	0	0	7	1	0	0	0	13	3	0
12:00	0	0	0	0	1	10	0	0	5	0	0	0	0	12	8	0
12:15	0	0	0	0	0	14	0	0	6	0	0	0	0	6	14	0
12:30	0	1	0	0	0	7	0	0	6	0	0	0	0	13	11	0
12:45	0	0	0	0	0	12	0	1	7	0	0	1	0	15	17	0
15:00	0	0	0	0	0	15	0	0	5	0	2	0	0	19	7	0
15:15	0	0	1	0	0	10	0	0	12	0	0	0	0	14	14	0
15:30	0	0	0	0	0	10	0	0	4	0	0	0	0	19	8	0
15:45	0	1	0	0	0	15	0	0	6	0	1	0	0	18	7	0
16:00	0	0	0	0	0	6	0	0	4	1	0	0	0	19	5	0
16:15	0	1	0	0	1	9	0	0	7	0	0	0	0	13	10	0
16:30	0	1	0	0	1	8	0	0	4	0	0	0	0	9	10	0
16:45	0	0	0	0	0	5	0	0	2	0	1	0	0	8	3	0
17:00	0	0	0	0	0	12	0	0	8	0	0	0	0	12	4	0
17:15	0	0	1	0	0	2	0	0	0	0	0	0	1	13	9	0
17:30	0	0	0	0	0	7	0	0	2	0	0	0	0	3	2	0
17:45	0	0	0	0	0	3	0	0	1	0	0	0	0	4	4	0

FLORIDA DEPARTMENT OF TRANSPORTATION

SUMMARY OF VEHICLE MOVEMENTS

SECTION: N/A

CITY: Cape Coral

COUNTY: Lee

INTR ROUTE: Hibiscus Dr

STATE ROUTE: SR 78 / Pine Island Rd

OBSERVER: Video Cam2

DATE: 10/15/20

MILEPOST:

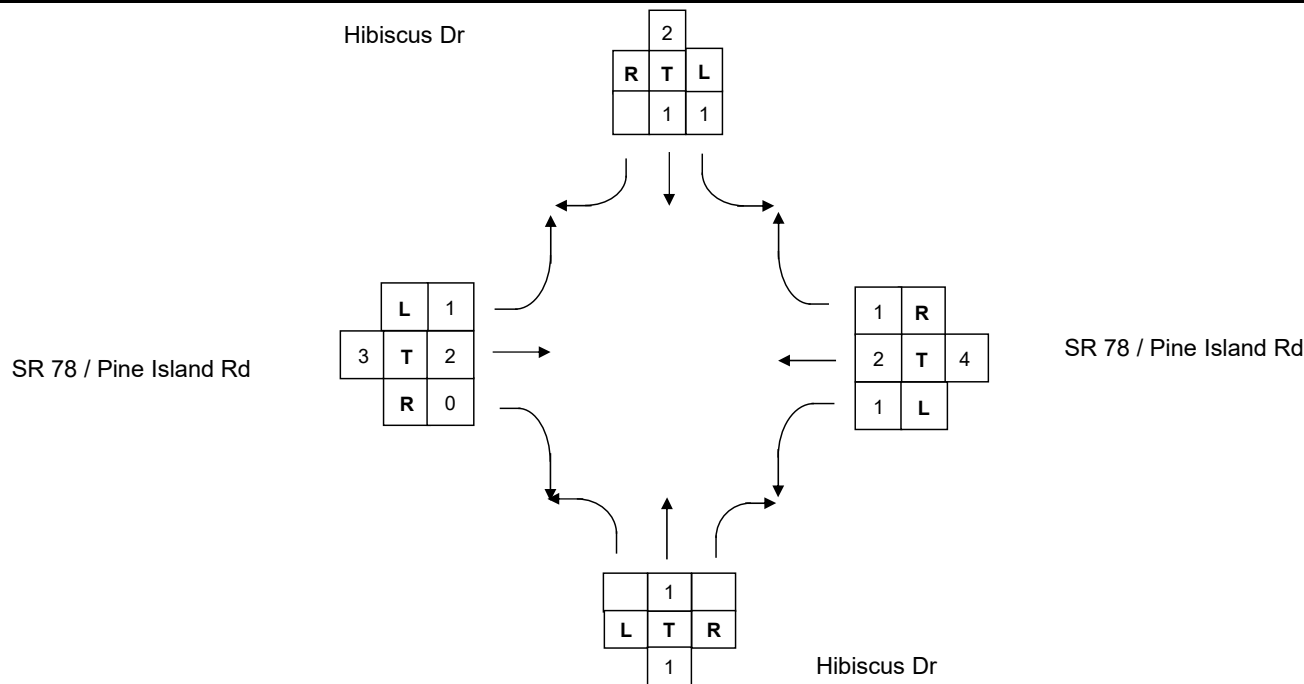
WEATHER: Clear - Sunny

ROAD CONDITION: Good - Dry

REMARKS:

FORM COMPLETED BY: TM

DATE: 10/26/20



TIME	NORTHBOUND					SOUTHBOUND					TOTAL	EASTBOUND					WESTBOUND					TOTAL
BEGIN/END	L	T	R	U	TOT	L	T	R	U	TOT	N/S	L	T	R	U	TOT	L	T	R	U	TOT	E/W
7 - 8	9	5	7	0	21	11	6	14	0	31	52	16	1,074	35	0	1,125	31	873	17	3	924	2,049
8 - 9	10	11	22	0	43	12	3	21	0	36	79	42	952	40	3	1,037	46	911	11	7	975	2,012
9 - 10	15	14	36	0	65	12	7	23	0	42	107	67	778	58	4	907	44	850	27	14	935	1,842
11 - 12	16	9	25	0	50	34	9	44	0	87	137	105	860	69	31	1,065	64	988	37	18	1,107	2,172
12 - 1	23	7	26	0	56	41	5	47	0	93	149	111	899	71	33	1,114	64	1,017	62	24	1,167	2,281
3 - 4	38	13	29	0	80	40	13	42	0	95	175	87	1,033	73	32	1,225	78	1,108	86	13	1,285	2,510
4 - 5	26	18	29	1	74	28	9	37	0	74	148	89	990	96	31	1,206	63	1,253	33	15	1,364	2,570
5 - 6	31	17	38	0	86	18	12	40	0	70	156	92	1,019	74	29	1,214	73	1,217	26	11	1,327	2,541
TOTAL	168	94	212	1	475	196	64	268	0	528	1,003	609	7,605	516	163	8,893	463	8,217	299	105	9,084	17,977

FLORIDA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN MOVEMENT SUMMARY

SECTION: N/A

CITY: Cape Coral

COUNTY: Lee

INTER. ROUTE: Hibiscus Dr

STATE ROUTE: SR 78 / Pine Island Rd

OBSERVER: Video Cam2

DATE: 10/15/20

REMARKS:

FORM COMPLETED BY: TM

DATE: 10/26/20

Hibiscus Dr



	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	1	1	0	2	
	0	0	0	0	0	0	0	0	0	
	0	0	0	1	0	0	0	0	1	
	0	0	0	1	0	1	1	0	3	

	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	0	1	1				
	0	0	0	0	0				
	0	0	1	0	1				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
Total	0	0	1	1	2				

SR 78/Pine Island Rd

	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
	0	0	0	0	0				
Total	0	0	0	0	0				



	7-8	8-9	9-10	11-12	12-1	3-4	4-5	5-6	Total	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	1	0	0	1	0	2	
	0	0	0	0	0	0	1	1	2	
	0	0	0	1	0	0	2	1	4	

Hibiscus Dr

TURNING MOVEMENT COUNT: SR 78 /Pine Island Rd @ Hibiscus Dr
 EAST/WEST ST: SR 78 / Pine Island Rd
 DATE: 10/15/2020
 ALL VEHICLES

TIME: 7am-6pm
 NORTH/SOUTH ST: Hibiscus Dr
 COUNTED BY: Video Cam2

START TIME	NORTHBOUND					SOUTHBOUND					NS TOTAL	EASTBOUND					WESTBOUND					EW TOTAL	GRAND TOTAL
	LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		LEFT	THRU	RIGHT	U-TURN	TOTAL	LEFT	THRU	RIGHT	U-TURN	TOTAL		
7:00	1	1	2	0	4	3	2	3	0	8	12	4	230	4	0	238	11	179	2	0	192	430	442
7:15	5	1	0	0	6	6	1	2	0	9	15	1	300	11	0	312	3	188	6	1	198	510	525
7:30	2	1	4	0	7	1	1	5	0	7	14	5	284	8	0	297	7	227	4	1	239	536	550
7:45	1	2	1	0	4	1	2	4	0	7	11	6	260	12	0	278	10	279	5	1	295	573	584
Total	9	5	7	0	21	11	6	14	0	31	52	16	1,074	35	0	1,125	31	873	17	3	924	2,049	2,101
8:00	3	4	5	0	12	4	1	4	0	9	21	2	257	14	1	274	11	250	2	1	264	538	559
8:15	4	2	7	0	13	2	0	4	0	6	19	11	241	3	1	256	9	231	2	2	244	500	519
8:30	1	1	6	0	8	3	0	4	0	7	15	13	232	13	0	258	14	219	2	3	238	496	511
8:45	2	4	4	0	10	3	2	9	0	14	24	16	222	10	1	249	12	211	5	1	229	478	502
Total	10	11	22	0	43	12	3	21	0	36	79	42	952	40	3	1,037	46	911	11	7	975	2,012	2,091
9:00	5	3	7	0	15	5	1	6	0	12	27	17	190	10	1	218	8	198	3	2	211	429	456
9:15	2	6	9	0	17	2	4	7	0	13	30	21	193	16	2	232	15	193	10	5	223	455	485
9:30	6	4	9	0	19	4	0	6	0	10	29	14	201	16	0	231	13	224	10	2	249	480	509
9:45	2	1	11	0	14	1	2	4	0	7	21	15	194	16	1	226	8	235	4	5	252	478	499
Total	15	14	36	0	65	12	7	23	0	42	107	67	778	58	4	907	44	850	27	14	935	1,842	1,949
11:00	4	3	5	0	12	8	5	14	0	27	39	23	214	18	11	266	17	210	7	5	239	505	544
11:15	4	4	7	0	15	7	0	13	0	20	35	33	197	22	6	258	11	244	8	4	267	525	560
11:30	4	2	10	0	16	12	2	8	0	22	38	21	218	13	9	261	16	244	12	2	274	535	573
11:45	4	0	3	0	7	7	2	9	0	18	25	28	231	16	5	280	20	290	10	7	327	607	632
Total	16	9	25	0	50	34	9	44	0	87	137	105	860	69	31	1,065	64	988	37	18	1,107	2,172	2,309
12:00	3	0	6	0	9	4	4	5	0	13	22	26	211	15	5	257	13	249	15	6	283	540	562
12:15	9	3	7	0	19	12	0	14	0	26	45	32	212	16	15	275	13	243	8	8	272	547	592
12:30	6	1	10	0	17	16	0	17	0	33	50	14	240	16	5	275	23	268	15	4	310	585	635
12:45	5	3	3	0	11	9	1	11	0	21	32	39	236	24	8	307	15	257	24	6	302	609	641
Total	23	7	26	0	56	41	5	47	0	93	149	111	899	71	33	1,114	64	1,017	62	24	1,167	2,281	2,430
15:00	12	6	9	0	27	9	1	9	0	19	46	28	259	20	6	313	27	263	25	4	319	632	678
15:15	10	2	11	0	23	14	6	15	0	35	58	20	258	12	5	295	18	281	28	3	330	625	683
15:30	9	2	4	0	15	3	4	11	0	18	33	20	256	25	10	311	11	275	20	2	308	619	652
15:45	7	3	5	0	15	14	2	7	0	23	38	19	260	16	11	306	22	289	13	4	328	634	672
Total	38	13	29	0	80	40	13	42	0	95	175	87	1,033	73	32	1,225	78	1,108	86	13	1,285	2,510	2,685
16:00	6	3	3	0	12	9	1	9	0	19	31	22	243	22	7	294	18	280	3	2	303	597	628
16:15	4	4	11	1	20	4	2	10	0	16	36	21	245	28	5	299	9	301	8	5	323	622	658
16:30	5	8	7	0	20	6	2	10	0	18	38	26	248	19	11	304	18	337	11	1	367	671	709
16:45	11	3	8	0	22	9	4	8	0	21	43	20	254	27	8	309	18	335	11	7	371	680	723
Total	26	18	29	1	74	28	9	37	0	74	148	89	990	96	31	1,206	63	1,253	33	15	1,364	2,570	2,718
17:00	6	1	12	0	19	4	1	7	0	12	31	24	262	19	4	309	24	311	9	5	349	658	689
17:15	6	3	4	0	13	1	4	9	0	14	27	22	299	17	7	345	18	298	6	0	322	667	694
17:30	10	7	14	0	31	6	4	15	0	25	56	28	246	23	8	305	16	317	6	3	342	647	703
17:45	9	6	8	0	23	7	3	9	0	19	42	18	212	15	10	255	15	291	5	3	314	569	611
Total	31	17	38	0	86	18	12	40	0	70	156	92	1,019	74	29	1,214	73	1,217	26	11	1,327	2,541	2,697

Cars

Street Name	SB (Hibiscus Dr)				WB (SR 78/ Pine Island Rd)				NB (Hibiscus Dr)				EB (SR 78 / Pine Island Rd)			
Start Time	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn
7:00	3	2	3	0	11	169	1	0	1	1	2	0	3	216	4	0
7:15	6	1	2	0	2	173	4	1	5	1	0	0	1	285	9	0
7:30	1	1	4	0	7	211	4	1	2	1	4	0	5	272	8	0
7:45	1	2	4	0	10	249	5	1	1	2	1	0	6	247	12	0
8:00	2	0	4	0	11	229	2	1	3	3	4	0	2	241	14	1
8:15	2	0	4	0	9	213	2	2	4	2	6	0	11	228	3	1
8:30	3	0	4	0	14	203	2	3	1	1	6	0	13	223	12	0
8:45	3	2	9	0	12	202	5	1	2	4	4	0	15	208	10	1
9:00	4	1	6	0	8	179	3	2	5	3	7	0	17	171	10	1
9:15	2	4	6	0	14	178	10	5	2	5	9	0	21	183	16	2
9:30	4	0	6	0	12	210	10	2	6	4	8	0	14	193	16	0
9:45	1	2	4	0	7	223	4	5	2	1	11	0	15	181	16	1
11:00	7	5	14	0	14	201	7	5	4	3	5	0	23	202	18	11
11:15	7	0	13	0	10	229	8	4	4	4	6	0	32	188	22	6
11:30	11	2	8	0	16	237	12	2	3	2	9	0	21	208	13	9
11:45	7	2	9	0	19	276	10	7	4	0	3	0	28	220	16	5
12:00	4	4	5	0	13	239	15	6	3	0	6	0	26	198	14	5
12:15	12	0	14	0	13	235	8	8	9	3	6	0	32	206	16	15
12:30	15	0	17	0	23	260	15	4	6	1	8	0	13	229	16	5
12:45	9	1	11	0	15	246	24	6	5	3	3	0	39	224	24	8
15:00	9	1	9	0	27	247	25	4	12	6	9	0	28	237	20	6
15:15	14	6	15	0	17	272	28	3	10	2	10	0	19	246	12	5
15:30	3	4	11	0	11	263	19	2	9	2	4	0	20	242	24	10
15:45	14	2	7	0	22	280	13	4	7	3	5	0	19	243	15	11
16:00	9	1	9	0	16	273	3	2	6	3	3	0	22	227	19	7
16:15	4	2	10	0	8	292	8	5	4	4	10	1	21	230	26	5
16:30	6	2	9	0	18	327	10	1	5	8	6	0	26	240	18	11
16:45	9	4	8	0	17	331	11	7	11	3	7	0	20	244	26	8
17:00	4	1	7	0	24	303	9	5	6	1	12	0	24	250	18	4
17:15	1	4	9	0	16	297	6	0	6	3	4	0	22	292	16	7
17:30	6	4	15	0	16	311	6	3	10	7	14	0	26	245	23	8
17:45	7	3	9	0	15	287	5	3	9	6	7	0	18	208	15	10

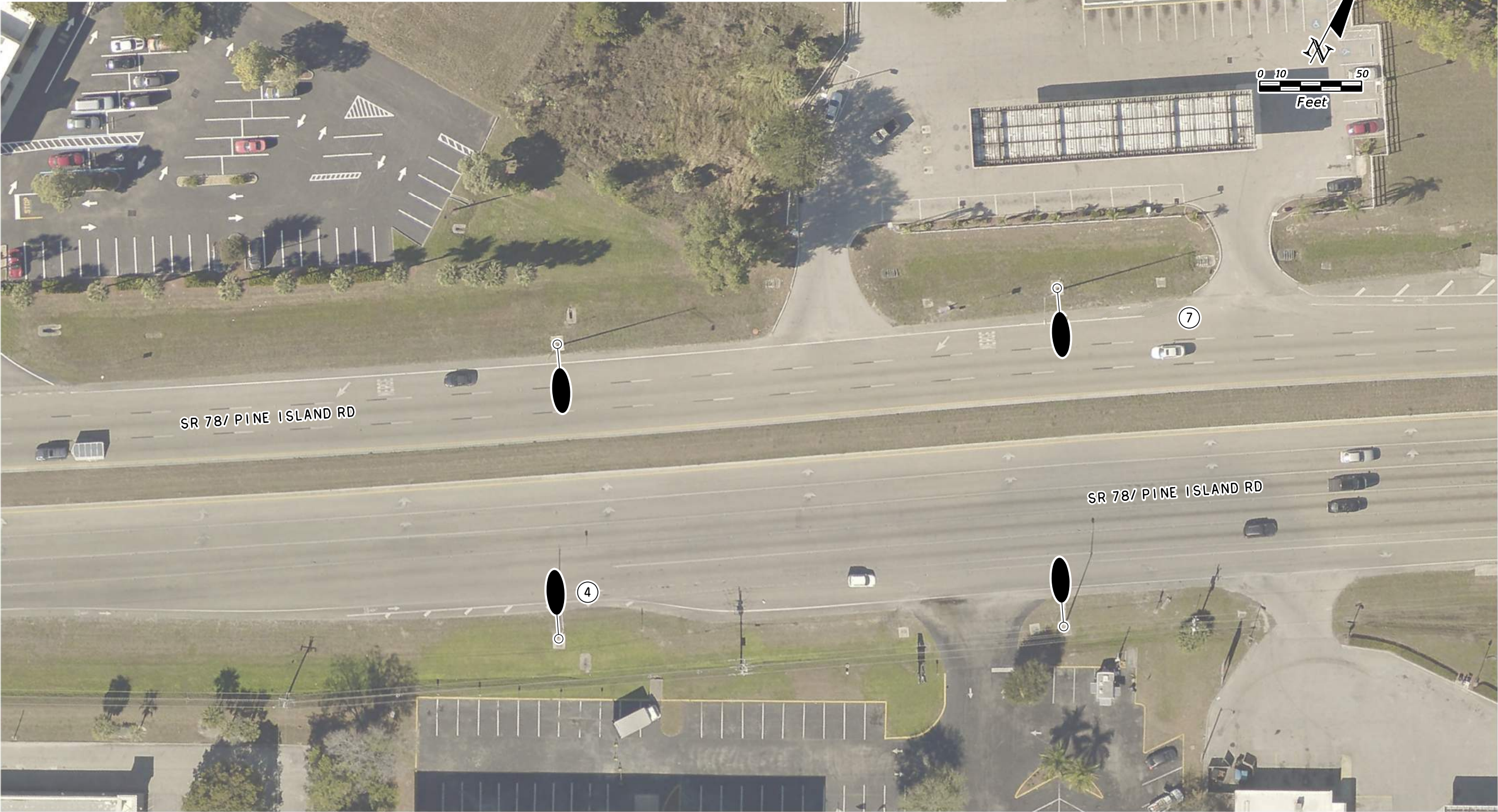
Trucks

Street Name	SB (Hibiscus Dr)				WB (SR 78/ Pine Island Rd)				NB (Hibiscus Dr)				EB (SR 78 / Pine Island Rd)			
Start Time	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn	Left	Thru	Right	U Turn
7:00	0	0	0	0	0	10	1	0	0	0	0	0	1	14	0	0
7:15	0	0	0	0	1	15	2	0	0	0	0	0	0	15	2	0
7:30	0	0	1	0	0	16	0	0	0	0	0	0	0	12	0	0
7:45	0	0	0	0	0	30	0	0	0	0	0	0	0	13	0	0
8:00	2	1	0	0	0	21	0	0	0	1	1	0	0	16	0	0
8:15	0	0	0	0	0	18	0	0	0	0	1	0	0	13	0	0
8:30	0	0	0	0	0	16	0	0	0	0	0	0	0	9	1	0
8:45	0	0	0	0	0	9	0	0	0	0	0	0	1	14	0	0
9:00	1	0	0	0	0	19	0	0	0	0	0	0	0	19	0	0
9:15	0	0	1	0	1	15	0	0	0	1	0	0	0	10	0	0
9:30	0	0	0	0	1	14	0	0	0	0	1	0	0	8	0	0
9:45	0	0	0	0	1	12	0	0	0	0	0	0	0	13	0	0
11:00	1	0	0	0	3	9	0	0	0	0	0	0	0	12	0	0
11:15	0	0	0	0	1	15	0	0	0	0	1	0	1	9	0	0
11:30	1	0	0	0	0	7	0	0	1	0	1	0	0	10	0	0
11:45	0	0	0	0	1	14	0	0	0	0	0	0	0	11	0	0
12:00	0	0	0	0	0	10	0	0	0	0	0	0	0	13	1	0
12:15	0	0	0	0	0	8	0	0	0	0	1	0	0	6	0	0
12:30	1	0	0	0	0	8	0	0	0	0	2	0	1	11	0	0
12:45	0	0	0	0	0	11	0	0	0	0	0	0	0	12	0	0
15:00	0	0	0	0	0	16	0	0	0	0	0	0	0	22	0	0
15:15	0	0	0	0	1	9	0	0	0	0	1	0	1	12	0	0
15:30	0	0	0	0	0	12	1	0	0	0	0	0	0	14	1	0
15:45	0	0	0	0	0	9	0	0	0	0	0	0	0	17	1	0
16:00	0	0	0	0	2	7	0	0	0	0	0	0	0	16	3	0
16:15	0	0	0	0	1	9	0	0	0	0	1	0	0	15	2	0
16:30	0	0	1	0	0	10	1	0	0	0	1	0	0	8	1	0
16:45	0	0	0	0	1	4	0	0	0	0	1	0	0	10	1	0
17:00	0	0	0	0	0	8	0	0	0	0	0	0	0	12	1	0
17:15	0	0	0	0	2	1	0	0	0	0	0	0	0	7	1	0
17:30	0	0	0	0	0	6	0	0	0	0	0	0	2	1	0	0
17:45	0	0	0	0	0	4	0	0	0	0	1	0	0	4	0	0



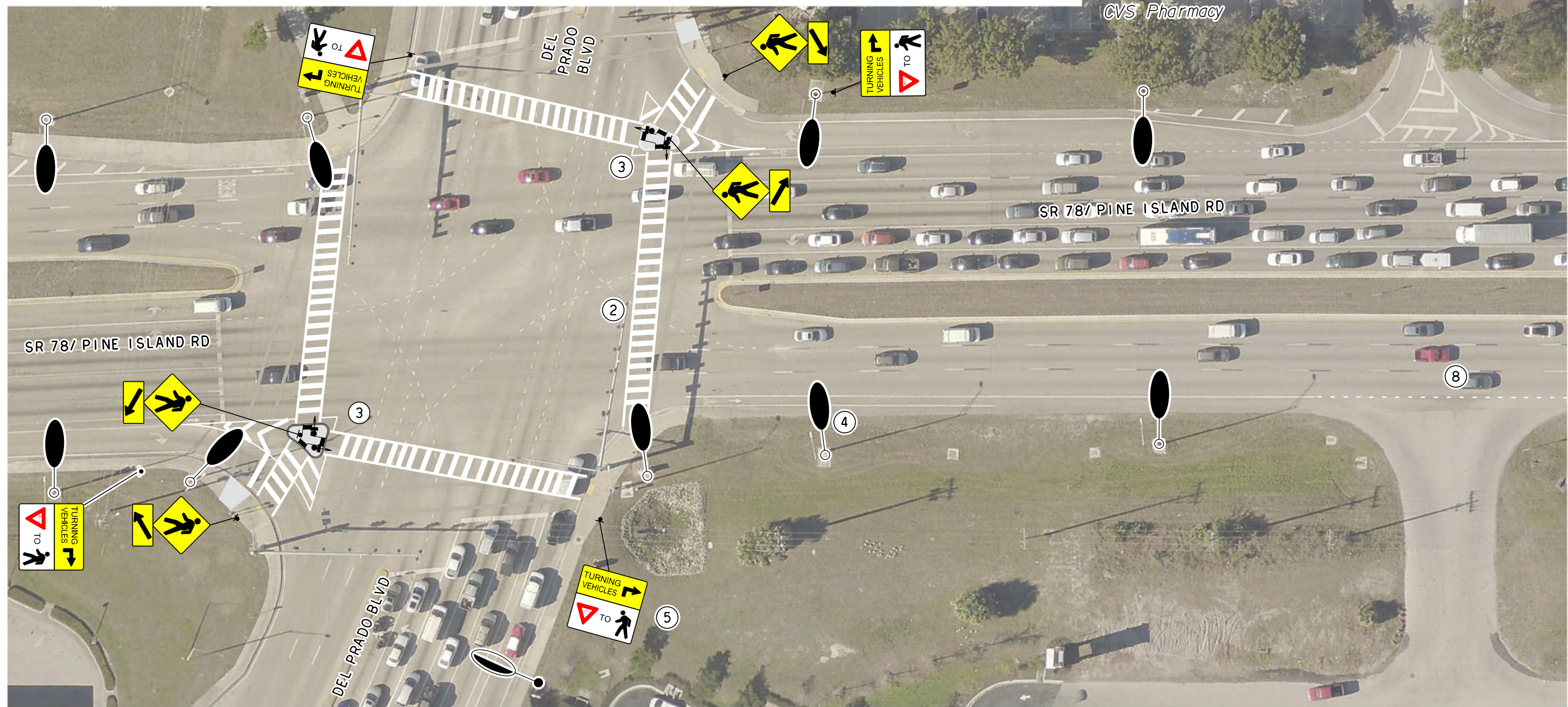
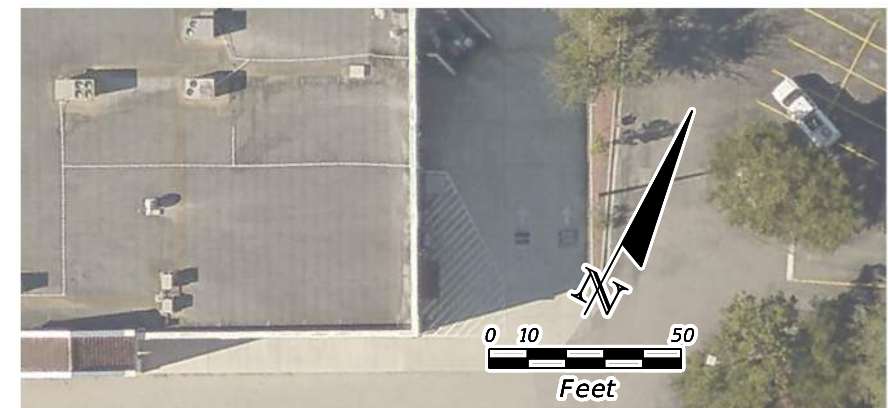
APPENDIX E: Conceptual Improvement Plan and Engineer's Estimate

- Recommendations:
4. Consider retrofitting the existing high pressure sodium light fixtures to LED light fixtures (27 total) from west of Del Prado to east of Pondella to improve the overall lighting on the corridor. Consider an evaluation of the lighting at the southeast corner of the intersection of SR 78 at Del Prado Boulevard and add an additional light pole approximately 85' south of the southern crosswalk.
- Best Practices:
7. Consider removing the 6" white line and diagonal crosshatch markings that are currently in the bike lane for westbound bike lane located 300 feet west of Del Prado Boulevard.



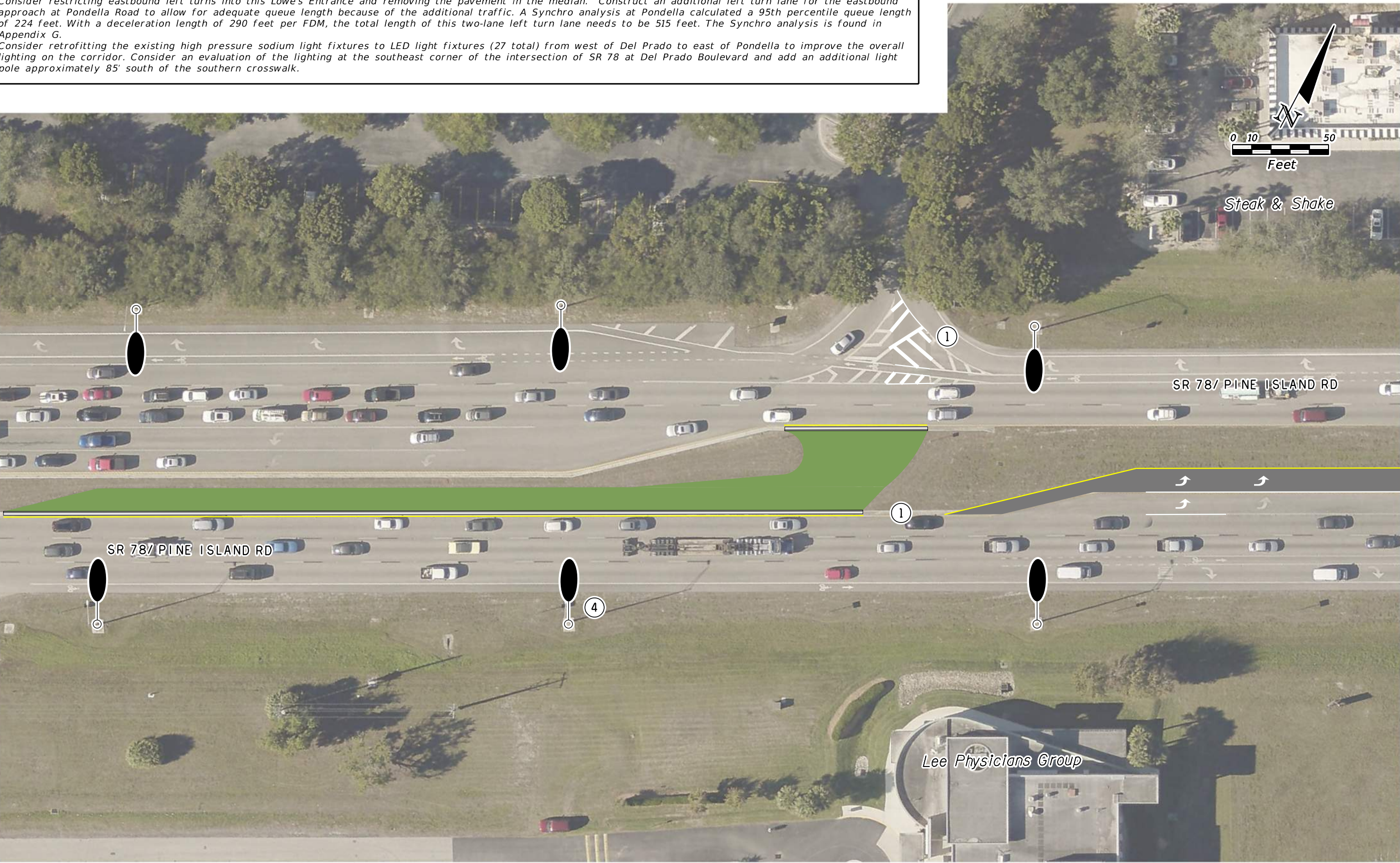
				PREPARED BY: HNTB CORPORATION 201 N. FRANKLIN ST., SUITE 1200 TAMPA, FL 33602 PHONE: (813) 402-4150 CERTIFICATE OF AUTHORIZATION NO. 6500 BENJAMIN S. RODGERS, P.E. 80350	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CONCEPTUAL DIAGRAM SR 78 FROM DEL PRADO TO HIBISCUS DR		SHEET NO.
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.			COUNTY
							78	LEE	409224-1-32-91	

- Recommendations:
2. Consider marking all of the crosswalks at the signalized intersection of SR 78 at Del Prado Boulevard per Standard Plans Index 711-001.
 3. Consider raised pedestrian/channelization islands on the northeast and southwest corners of Del Prado Blvd to protect pedestrians and shorten the crosswalk length. As a result, the following shall be done.
 - a. Realign the crosswalks with the raised islands.
 - b. Add crosswalks between the raised islands and the corner radii to protect the pedestrians crossing from island to corner.
 - c. Add pedestrian signals on the islands.
 - d. Add W11-2/W16-7P signs at the yield point for the raised channelized islands. The signs should be double flanked, one on the island and one on the corner radii.
 4. Consider retrofitting the existing high pressure sodium light fixtures to LED light fixtures (27 total) from west of Del Prado to east of Pondella to improve the overall lighting on the corridor. Consider an evaluation of the lighting at the southeast corner of the intersection of SR 78 at Del Prado Boulevard and add an additional light pole approximately 85' south of the southern crosswalk.
 5. With three pedestrian crashes and three bicycle crashes, consider adding R10-15 signs (single post) on all approaches to both signalized intersections to remind drivers to yield to pedestrians. Place signs at the yield point, except for the ones approaching the proposed raised island locations. These signs can be placed 50'-75' back from the yield point. Additionally, consider implementing LPIs for the crosswalks at Del Prado Boulevard and at Pondella Road to give pedestrians a chance to enter the crosswalk.
- Best Practices:
8. Consider adding 6" white 2'-4' skip pavement markings connecting the bike lane across the two major driveways (the entrance with Wawa and the entrance with Five Guys) and Hibiscus Dr on the south side of SR 78 that don't have currently have markings.



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					78	LEE	409224-1-32-91		2

- Recommendations:
1. Consider restricting eastbound left turns into this Lowe's Entrance and removing the pavement in the median. Construct an additional left turn lane for the eastbound approach at Pondella Road to allow for adequate queue length because of the additional traffic. A Synchro analysis at Pondella calculated a 95th percentile queue length of 224 feet. With a deceleration length of 290 feet per FDM, the total length of this two-lane left turn lane needs to be 515 feet. The Synchro analysis is found in Appendix G.
 4. Consider retrofitting the existing high pressure sodium light fixtures to LED light fixtures (27 total) from west of Del Prado to east of Pondella to improve the overall lighting on the corridor. Consider an evaluation of the lighting at the southeast corner of the intersection of SR 78 at Del Prado Boulevard and add an additional light pole approximately 85' south of the southern crosswalk.



				PREPARED BY: HNTB CORPORATION 201 N. FRANKLIN ST., SUITE 1200 TAMPA, FL 33602 PHONE: (813) 402-4150 CERTIFICATE OF AUTHORIZATION NO. 6500 BENJAMIN S. RODGERS, P.E. 80350	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CONCEPTUAL DIAGRAM SR 78 FROM DEL PRADO TO HIBISCUS DR	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					78	LEE	409224-1-32-91		3

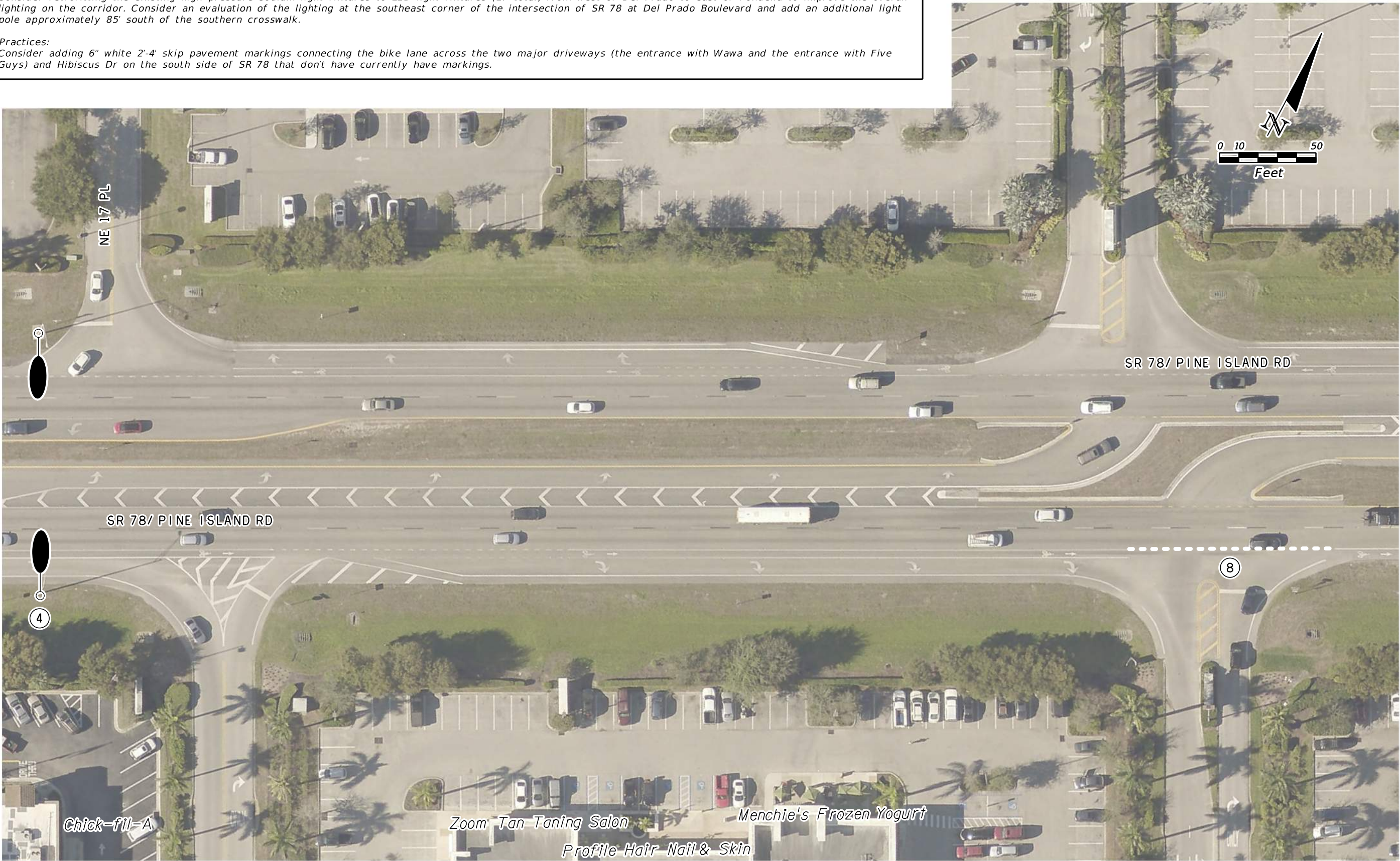
Recommendations:

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4. Consider retrofitting the existing high pressure sodium light fixtures to LED light fixtures (27 total) from west of Del Prado to east of Pondella to improve the overall lighting on the corridor. Consider an evaluation of the lighting at the southeast corner of the intersection of SR 78 at Del Prado Boulevard and add an additional light pole approximately 85' south of the southern crosswalk.
5. With three pedestrian crashes and three bicycle crashes, consider adding R10-15 signs (single post) on all approaches to both signalized intersections to remind drivers to yield to pedestrians. Place signs at the yield point, except for the ones approaching the proposed raised island locations. These signs can be placed 50'-75' back from the yield point. Additionally, consider implementing LPIs for the crosswalks at Del Prado Boulevard and at Pondella Road to give pedestrians a chance to enter the crosswalk.

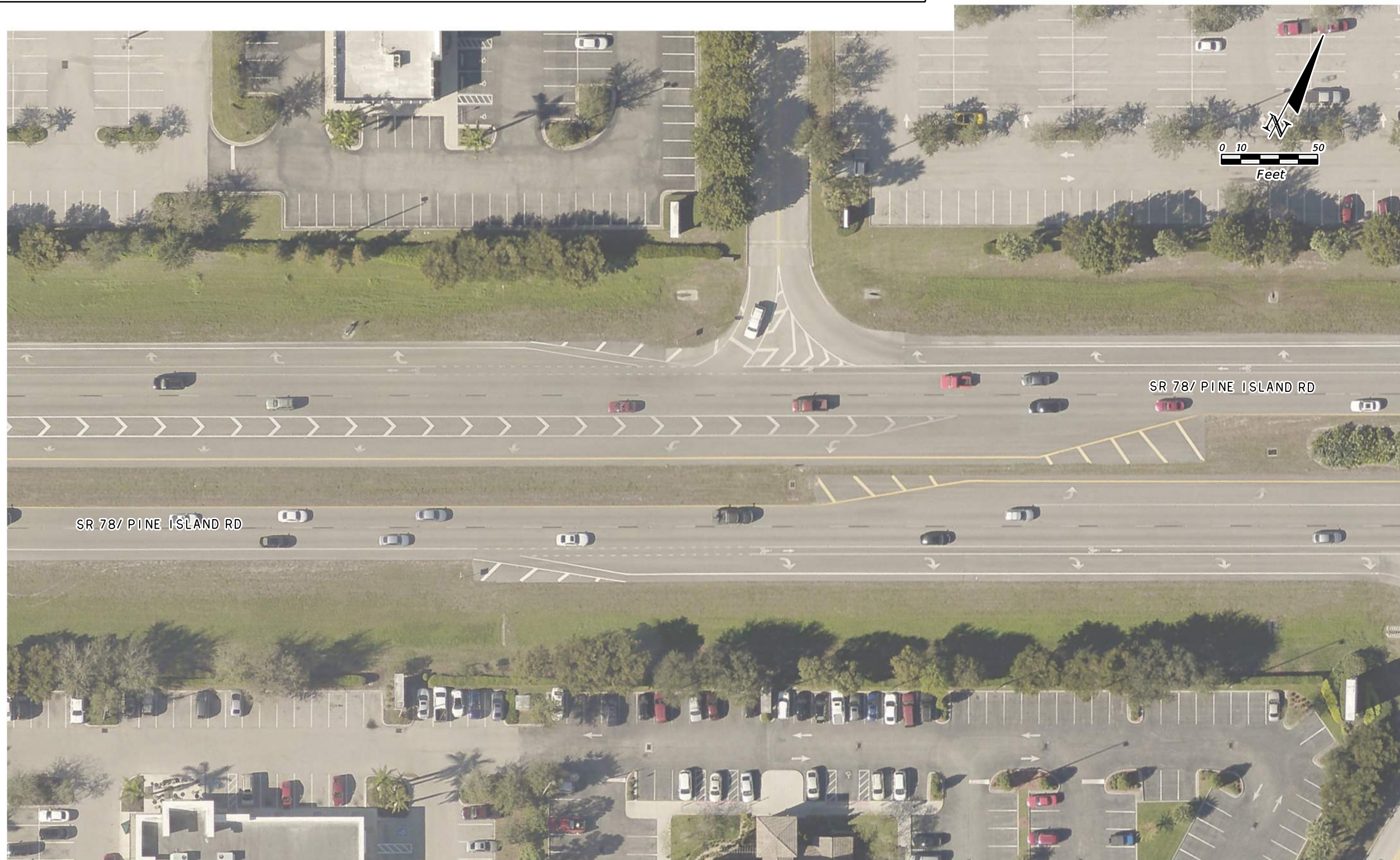


DATE		DESCRIPTION		PREPARED BY: HNTB CORPORATION 201 N. FRANKLIN ST., SUITE 1200 TAMPA, FL 33602 PHONE: (813) 402-4150 CERTIFICATE OF AUTHORIZATION NO. 6500 BENJAMIN S. RODGERS, P.E. 80350	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CONCEPTUAL DIAGRAM SR 78 FROM DEL PRADO TO HIBISCUS DR		SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID			4
					78	LEE	409224-1-32-91			

- Recommendations:
4. Consider retrofitting the existing high pressure sodium light fixtures to LED light fixtures (27 total) from west of Del Prado to east of Pondella to improve the overall lighting on the corridor. Consider an evaluation of the lighting at the southeast corner of the intersection of SR 78 at Del Prado Boulevard and add an additional light pole approximately 85' south of the southern crosswalk.
- Best Practices:
8. Consider adding 6" white 2'-4' skip pavement markings connecting the bike lane across the two major driveways (the entrance with Wawa and the entrance with Five Guys) and Hibiscus Dr on the south side of SR 78 that don't have currently have markings.

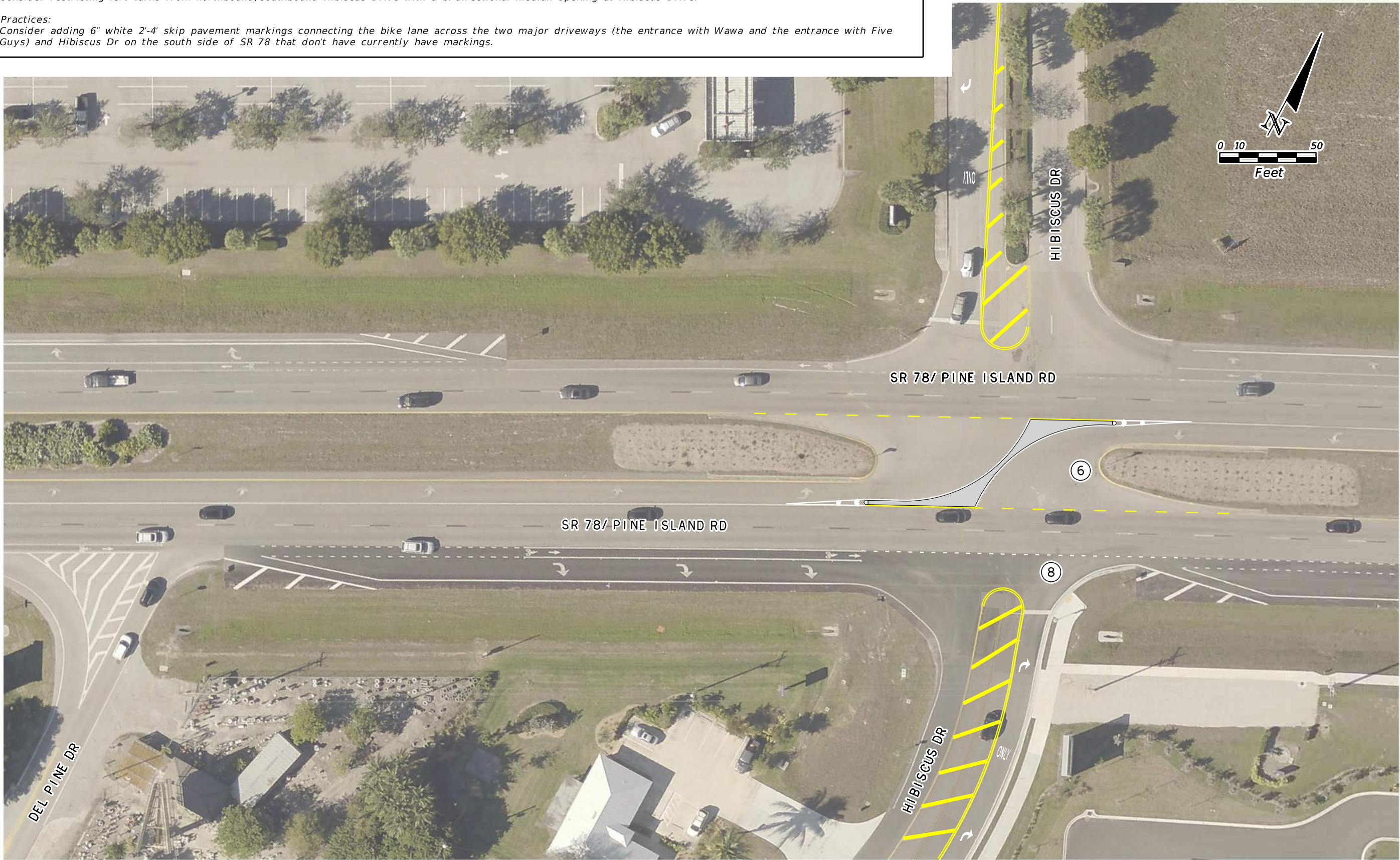


				PREPARED BY: HNTB CORPORATION 201 N. FRANKLIN ST., SUITE 1200 TAMPA, FL 33602 PHONE: (813) 402-4150 CERTIFICATE OF AUTHORIZATION NO. 6500 BENJAMIN S. RODGERS, P.E. 80350	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CONCEPTUAL DIAGRAM SR 78 FROM DEL PRADO TO HIBISCUS DR		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							ROAD NO.
					78	LEE	409224-1-32-91			5



				PREPARED BY: HNTB CORPORATION 201 N. FRANKLIN ST., SUITE 1200 TAMPA, FL 33602 PHONE: (813) 402-4150 CERTIFICATE OF AUTHORIZATION NO. 6500 BENJAMIN S. RODGERS, P.E. 80350	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CONCEPTUAL DIAGRAM SR 78 FROM DEL PRADO TO HIBISCUS DR	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					78	LEE	409224-1-32-91	6	

- Recommendations:
6. Consider restricting left turns from northbound/southbound Hibiscus Drive with a bi-directional median opening at Hibiscus Drive.
- Best Practices:
8. Consider adding 6" white 2'-4' skip pavement markings connecting the bike lane across the two major driveways (the entrance with Wawa and the entrance with Five Guys) and Hibiscus Dr on the south side of SR 78 that don't have currently have markings.



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					78	LEE	409224-1-32-91		7

ENGINEER'S ESTIMATE
FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT ONE
DESIGN BUILD PUSH BUTTON

PROJECT DESCRIPTION:

Safety Improvements for SR 78 from Del Prado to Hibiscus

SUBMITTED BY: BR

DATE: 8/17/2021

COUNTY: Lee

SECTION: 12060000

BEGIN MP: 12.061

END MP: 12.802

PAY ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
0102 60	WORK ZONE SIGN	ED	512	\$ 3.00	\$ 1,536.00
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	6960	\$ 3.00	\$ 20,880.00
0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	48	\$ 25.00	\$ 1,200.00
0110 2 1	CLEARING & GRUBBING (PUSH BUTTON CONTRACT)	AC	0.1	\$ 5,000.00	\$ 500.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	145	\$ 75.00	\$ 10,875.00
0120 1	REGULAR EXCAVATION	CY	655	\$ 100.00	\$ 65,500.00
0120 6	EMBANKMENT	CY	830	\$ 100.00	\$ 83,000.00
0160 4	TYPE B STABILIZATION	SY	655	\$ 32.00	\$ 20,960.00
0285701	OPTIONAL BASE, BASE GROUP 01	SY	655	\$ 88.00	\$ 57,640.00
0334 1 53 (0-99)	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22 0-99 TONS	TN	81	\$ 365.00	\$ 29,565.00
0337 7 25 (0-99)	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22 0-99 TONS	TN	27	\$ 322.00	\$ 8,694.00
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	625	\$ 75.00	\$ 46,875.00
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL - VARIABLE WIDTH	SY	472	\$ 150.00	\$ 70,800.00
0522 1	CONCRETE SIDEWALK AND DRIVEWAY, 4" THICK	SY	30	\$ 85.00	\$ 2,550.00
0527 2	DETECTABLE WARNINGS	SF	48	\$ 100.00	\$ 4,800.00
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	100	\$ 16.00	\$ 1,600.00
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	250	\$ 32.00	\$ 8,000.00
0632 7 2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	200	\$ 5.00	\$ 1,000.00
0635 2 12 (PC)	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE POLYMER CONCRETE	EA	4	\$ 1,872.00	\$ 7,488.00
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	4	\$ 1,230.00	\$ 4,920.00
0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	4	\$ 1,455.00	\$ 5,820.00
0649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1	\$ 58,575.00	\$ 58,575.00
0649 26 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	1	\$ 7,000.00	\$ 7,000.00
0650 1 14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	3	\$ 2,738.00	\$ 8,214.00
0650 1 18	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	1	\$ 4,490.00	\$ 4,490.00
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	4	\$ 828.00	\$ 3,312.00
0660 3 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1	\$ 14,630.00	\$ 14,630.00
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	4	\$ 309.00	\$ 1,236.00
0670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	EA	1	\$ 2,800.00	\$ 2,800.00
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	12	\$ 780.00	\$ 9,360.00
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, UP TO 12 SF	EA	2	\$ 5,225.00	\$ 10,450.00
0705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA	2	\$ 500.00	\$ 1,000.00
0706 3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	62	\$ 10.00	\$ 620.00
0710 11190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF	10	\$ 5.00	\$ 50.00
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1100	\$ 5.00	\$ 5,500.00
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	210	\$ 7.00	\$ 1,470.00
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	930	\$ 8.00	\$ 7,440.00
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.061	\$ 5,280.00	\$ 322.08
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	4	\$ 300.00	\$ 1,200.00
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	11	\$ 250.00	\$ 2,750.00
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	300	\$ 5.00	\$ 1,500.00
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.053	\$ 2,640.00	\$ 139.92

0711 15101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.136	\$	7,500.00	\$	1,020.00
0711 15102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM	0.084	\$	10,000.00	\$	840.00
0711 15201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.611	\$	7,500.00	\$	4,582.50
0711 17	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS: NON-CONFLICTING ONLY	SF	2250	\$	4.00	\$	9,000.00
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	250	\$	5.00	\$	1,250.00
0715 4 15	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 50' MOUNTING HEIGHT	EA	1	\$	9,400.00	\$	9,400.00
0715 11211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA	27	\$	1,220.00	\$	32,940.00
0715500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	1	\$	690.00	\$	690.00
ESTIMATE SUB-TOTAL (PAY ITEMS ONLY)						\$	655,984.50
PROJECT UNKNOWNNS						15.00%	\$ 98,397.68
MOT (MAINTENANCE OF TRAFFIC)						10.00%	\$ 75,438.22
MOB (MOBILIZATION)						10.00%	\$ 75,438.22
DESIGN FEE						20.00%	\$ 150,876.44
PROJECT GRAND TOTAL						\$	1,056,135.05



APPENDIX F: Intersection Approach Pictures

North Approach Photographs (SR 78 at Del Prado Boulevard)



Looking south into the intersection along Del Prado Boulevard



Looking north from the intersection along Del Prado Boulevard

South Approach Photographs (SR 78 at Del Prado Boulevard)



Looking north into the intersection along Del Prado Boulevard



Looking south from the intersection along Del Prado Boulevard

West Approach Photographs (SR 78 at Del Prado Boulevard)



Looking east into the intersection along SR 78



Looking west from the intersection along SR 78

East Approach Photographs (SR 78 at Del Prado Boulevard)



Looking west into the intersection along SR 78



Looking east from the intersection along SR 78

North Approach Photographs (SR 78 at Pondella Road)



Looking south into the intersection along Pondella Road



Looking north from the intersection along Pondella Road

South Approach Photographs (SR 78 at Pondella Road)



Looking north into the intersection along Pondella Road



Looking south from the intersection along Pondella Road

West Approach Photographs (SR 78 at Pondella Road)



Looking east into the intersection along SR 78



Looking west from the intersection along SR 78

East Approach Photographs (SR 78 at Pondella Road)



Looking west into the intersection along SR 78



Looking east from the intersection along SR 78



APPENDIX G: Signal Timings and Synchro Analysis

Lee County, FL



MOVING TRAFFIC FORWARD

2601 - Pine Island & Del Prado - - Econolite Type - ASC/3

Controller Timing Plan (MM) 2-1

Plan 1

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Direction	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Min Green	7	20	7	12	7	20	7	12	0	0	0	0	0	0	0	0
Bk Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delay Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walk	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Walk2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walk Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clear	0	41	0	39	0	43	0	39	0	0	0	0	0	0	0	0
Ped Clear 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clear Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle Ext	2.0	5.0	2.0	3.0	2.0	5.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle Ext 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max1	20	50	20	25	35	50	20	25	0	0	0	0	0	0	0	0
Max2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DYM Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dym Step	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	4.0	5.5	4.0	4.8	5.5	5.5	4.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clear	3.9	2.0	3.7	3.0	3.9	2.0	3.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Act B4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sec/Act	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Time B4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cars Wt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STPTDuc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lee County, FL



MOVING TRAFFIC FORWARD

2605 - Pine Island & Pondella - - Econolite Type - ASC/3

Controller Timing Plan (MM) 2-1

Plan 1

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Direction	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Min Green	5	20	5	8	5	20	7	8	0	0	0	0	0	0	0	0
Bk Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delay Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walk	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Walk2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walk Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clear	0	24	0	38	0	22	0	38	0	0	0	0	0	0	0	0
Ped Clear 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clear Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle Ext	2.0	5.0	2.0	2.0	2.0	5.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle Ext 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max1	15	55	25	20	15	55	25	20	0	0	0	0	0	0	0	0
Max2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DYM Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dym Step	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	5.5	5.5	4.0	4.0	5.5	5.5	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clear	2.6	2.0	2.6	2.6	2.6	2.0	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Act B4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sec/Act	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Time B4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cars Wt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STPTDuc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TTReduc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lee County, FL



MOVING TRAFFIC FORWARD

2605 - Pine Island & Pondella - - Econolite Type - ASC/3

Coordination Pattern Data

Coordinator Pattern Data (MM) 3-2

Coordinator Pattern # 41

Split Pattern	41	TS2 (Pat-Off)	13-2	Splits In	Percent
Cycle	150	Std (COS)	12	Offsets In	Percent
Offset Value	93%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk	No	Sequence	0		
Rest					
Phase	No	Action Plan	0		
Reservice					
Max Select	None	Force Off	None		

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 41)	17	43	22	18	17	43	22	18	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1	0	Veh Perm 2	0	Veh Perm 2 Disp	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 42

Split Pattern	42	TS2 (Pat-Off)	13-3	Splits In	Percent
Cycle	150	Std (COS)	84	Offsets In	Percent
Offset Value	8%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	0		
Phase	No	Action Plan	0		
Reservice					
Max Select	None	Force Off	None		

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 42)	16	50	20	14	14	52	18	16	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1	0	Veh Perm 2	0	Veh Perm 2 Disp	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 51

Split Pattern	51	TS2 (Pat-Off)	0-0	Splits In	Percent
Cycle	160	Std (COS)	84	Offsets In	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	0		
Phase	No	Action Plan	0		
Reservice					

Max Select None Force Off None

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 51)	15	49	19	17	12	52	21	15	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0
 Split Demand 0 Split Demand 0 Crossing Arterial 0
 Pat 1 Pat 2 Pat

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 52

Split Pattern	52	TS2 (Pat-Off)	0-0	Splits In	Percent
Cycle	160	Std (COS)	85	Offsets In	Percent
Offset Value	7%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	6		
Phase	No	Action Plan	0		
Reservice					
Max Select	None	Force Off	None		

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 52)	10	46	24	20	10	46	34	10	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1	0	Veh Perm 2	0	Veh Perm 2 Disp	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 62

Split Pattern	62	TS2 (Pat-Off)	0-0	Splits In	Percent
Cycle	170	Std (COS)	86	Offsets In	Percent
Offset Value	10%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	0		
Phase	No	Action Plan	0		
Reservice					

Max Select None Force Off None

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 62)	14	45	14	27	14	39	33	14	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0
 Split Demand 0 Split Demand 0 Crossing Arterial 0
 Pat 1 Pat 2 Pat

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 63

Split Pattern	63	TS2 (Pat-Off)	0-0	Splits In	Percent
Cycle	180	Std (COS)	158	Offsets In	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	5		
Phase	No	Action Plan	0		
Reservice					
Max Select	None	Force Off	None		

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 63)	14	44	19	23	14	44	28	14	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1	0	Veh Perm 2	0	Veh Perm 2 Disp	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall	X															
Pedestrian Recall																
Recall to Max. Time		X				X										
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

TTReduc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lee County, FL



MOVING TRAFFIC FORWARD

2601 - Pine Island & Del Prado - - Econolite Type - ASC/3

Coordination Pattern Data

Coordinator Pattern Data (MM) 3-2

Coordinator Pattern # 41

Split Pattern	41	TS2 (Pat-Off)	13-2	Splits In	Percent
Cycle	150	Std (COS)	12	Offsets In	Percent
Offset Value	73%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk	No	Sequence	5		
Rest					
Phase	No	Action Plan	0		
Reservice					
Max Select	None	Force Off	None		

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 41)	17	45	17	21	27	35	17	21	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1	0	Veh Perm 2	0	Veh Perm 2 Disp	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 42

Split Pattern	42	TS2 (Pat-Off)	13-3	Splits In	Percent
Cycle	150	Std (COS)	84	Offsets In	Percent
Offset Value	94%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	5		
Phase	No	Action Plan	0		
Reservice					
Max Select	None	Force Off	None		

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 42)	17	46	22	15	20	43	14	23	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1	0	Veh Perm 2	0	Veh Perm 2 Disp	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 51

Split Pattern	51	TS2 (Pat-Off)	0-0	Splits In	Percent
Cycle	160	Std (COS)	84	Offsets In	Percent
Offset Value	99%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	5		
Phase	No	Action Plan	0		
Reservice					

Max Select None Force Off None

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 51)	17	46	22	15	20	43	14	23	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0
 Split Demand 0 Split Demand 0 Crossing Arterial 0
 Pat 1 Pat 2 Pat

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 52

Split Pattern	52	TS2 (Pat-Off)	0-0	Splits In	Percent
Cycle	160	Std (COS)	85	Offsets In	Percent
Offset Value	94%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	5		
Phase	No	Action Plan	0		
Reservice					
Max Select	None	Force Off	None		

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 52)	15	51	17	17	28	38	17	17	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1	0	Veh Perm 2	0	Veh Perm 2 Disp	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

Coordinator Pattern # 63

Split Pattern	63	TS2 (Pat-Off)	0-0	Splits In	Percent
Cycle	180	Std (COS)	158	Offsets In	Percent
Offset Value	86%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	No	Sequence	5		
Phase	No	Action Plan	0		
Reservice					

Max Select None Force Off None

Split Preference Phases

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description	EBLT	WB	SBLT	NB	WBLT	EB	NBLT	SB								
Splits (Split Pat 63)	14	54	15	17	24	44	17	15	0	0	0	0	0	0	0	0
Pref 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pref 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Displacement	-	0	0	0
Split Sum	100%	100%	0%	0%

Misc. Data

Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0
 Split Demand 0 Split Demand 0 Crossing Arterial 0
 Pat 1 Pat 2 Pat

Split Pattern

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coord Phase		X				X										
Vehicle Recall																
Pedestrian Recall																
Recall to Max. Time																
Omit Phase									X	X	X	X	X	X	X	X
Special Function Outputs																

HCM Signalized Intersection Capacity Analysis 2605: Pondella Rd & Pine Island Rd

08/10/2021

															
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations															
Traffic Volume (vph)	2	180	1295	402	15	62	1183	37	784	155	28	65	86	103	
Future Volume (vph)	2	180	1295	402	15	62	1183	37	784	155	28	65	86	103	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)		5.5	4.4	4.0		5.5	4.4	4.4	4.0	4.0		4.0	4.0	5.5	
Lane Util. Factor		1.00	0.95	1.00		1.00	0.95	1.00	0.97	1.00		1.00	1.00	1.00	
Frt		1.00	1.00	0.85		1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85	
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	
Satd. Flow (prot)		1770	3539	1583		1770	3539	1583	3433	1820		1770	1863	1583	
Flt Permitted		0.22	1.00	1.00		0.09	1.00	1.00	0.95	1.00		0.95	1.00	1.00	
Satd. Flow (perm)		401	3539	1583		171	3539	1583	3433	1820		1770	1863	1583	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	
Adj. Flow (vph)	2	196	1408	437	16	67	1286	40	852	168	30	71	93	112	
RTOR Reduction (vph)	0	0	0	131	0	0	0	31	0	3	0	0	0	50	
Lane Group Flow (vph)	0	198	1408	306	0	83	1286	9	852	195	0	71	93	62	
Turn Type	custom	Prot	NA	pm+ov	custom	Prot	NA	Perm	Prot	NA		Prot	NA	pm+ov	
Protected Phases		1	6	7		5	2		7	4		3	8	1!	
Permitted Phases	1!			6	5			2						8	
Actuated Green, G (s)		82.9	80.7	102.1			41.1	38.9	38.9	21.4	20.7		8.7	8.0	90.9
Effective Green, g (s)		85.5	83.8	107.3			43.7	42.0	42.0	24.0	23.3		11.3	10.6	96.1
Actuated g/C Ratio		0.48	0.47	0.60			0.24	0.23	0.23	0.13	0.13		0.06	0.06	0.53
Clearance Time (s)		8.1	7.5	6.6			8.1	7.5	7.5	6.6	6.6		6.6	6.6	8.1
Vehicle Extension (s)		3.0	3.0	3.0			3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		190	1647	943			41	825	369	457	235		111	109	893
v/s Ratio Prot			0.40	0.04				0.36		c0.25	c0.11		0.04	0.05	0.03
v/s Ratio Perm		c0.49		0.15			c0.49		0.01						0.01
v/c Ratio		1.04	0.85	0.32			2.02	1.56	0.03	1.86	0.83		0.64	0.85	0.07
Uniform Delay, d1		47.2	42.7	18.2			68.2	69.0	53.2	78.0	76.4		82.4	83.9	20.3
Progression Factor		1.26	1.28	2.02			0.73	0.73	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		71.1	5.0	0.2			514.8	255.6	0.1	397.3	20.7		11.5	43.8	0.0
Delay (s)		130.5	59.6	36.9			564.4	306.2	53.3	475.3	97.1		93.9	127.8	20.3
Level of Service		F	E	D			F	F	D	F	F		F	F	C
Approach Delay (s)			61.6				314.3			404.0			75.5		

HCM Signalized Intersection Capacity Analysis 2605: Pondella Rd & Pine Island Rd

08/10/2021

														
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Approach LOS	E				F				F				E	
Intersection Summary														
HCM 2000 Control Delay	212.1				HCM 2000 Level of Service				F					
HCM 2000 Volume to Capacity ratio	1.42													
Actuated Cycle Length (s)	180.0				Sum of lost time (s)				17.9					
Intersection Capacity Utilization	87.7%				ICU Level of Service				E					
Analysis Period (min)	15													
! Phase conflict between lane groups.														
c Critical Lane Group														

Queues

2605: Pondella Rd & Pine Island Rd

08/10/2021

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	198	1408	437	83	1286	40	852	198	71	93	112
v/c Ratio	1.04	0.85	0.40	2.02	1.56	0.08	1.86	0.83	0.65	0.85	0.12
Control Delay	125.4	60.2	6.3	541.9	290.2	0.2	434.6	101.1	107.6	134.7	3.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	125.4	60.2	6.3	541.9	290.2	0.2	434.6	101.1	107.6	134.7	3.6
Queue Length 50th (ft)	~256	868	73	~151	~1115	0	~785	226	84	111	3
Queue Length 95th (ft)	#437	939	137	m#208	#1260	m0	#921	#358	#168	#228	34
Internal Link Dist (ft)		1492			2262			452		145	
Turn Bay Length (ft)	445			445		200	725		125		125
Base Capacity (vph)	190	1647	1081	41	825	485	457	248	110	109	927
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.04	0.85	0.40	2.02	1.56	0.08	1.86	0.80	0.65	0.85	0.12

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

HCM Signalized Intersection Capacity Analysis

2605: Pondella Rd & Pine Island Rd

08/10/2021

														
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations														
Traffic Volume (vph)	2	180	1295	402	15	62	1183	37	784	155	28	65	86	103
Future Volume (vph)	2	180	1295	402	15	62	1183	37	784	155	28	65	86	103
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		5.5	4.4	4.0		5.5	4.4	4.4	4.0	4.0		4.0	4.0	5.5
Lane Util. Factor		0.97	0.95	1.00		1.00	0.95	1.00	0.97	1.00		1.00	1.00	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)		3433	3539	1583		1770	3539	1583	3433	1820		1770	1863	1583
Flt Permitted		0.22	1.00	1.00		0.19	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)		778	3539	1583		355	3539	1583	3433	1820		1770	1863	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	2	196	1408	437	16	67	1286	40	852	168	30	71	93	112
RTOR Reduction (vph)	0	0	0	140	0	0	0	25	0	3	0	0	0	74
Lane Group Flow (vph)	0	198	1408	297	0	83	1286	15	852	195	0	71	93	38
Turn Type	custom	Prot	NA	pm+ov	custom	Prot	NA	Perm	Prot	NA		Prot	NA	pm+ov
Protected Phases		1	6	7		5	2		7	4		3	8	1!
Permitted Phases	1!			6	5			2						8
Actuated Green, G (s)		41.9	66.7	105.3		37.9	62.7	62.7	38.6	24.5		22.1	8.0	49.9
Effective Green, g (s)		44.5	69.8	110.5		40.5	65.8	65.8	41.2	27.1		24.7	10.6	55.1
Actuated g/C Ratio		0.25	0.39	0.61		0.22	0.37	0.37	0.23	0.15		0.14	0.06	0.31
Clearance Time (s)		8.1	7.5	6.6		8.1	7.5	7.5	6.6	6.6		6.6	6.6	8.1
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		192	1372	1006		79	1293	578	785	274		242	109	532
v/s Ratio Prot			c0.40	0.07			0.36		c0.25	0.11		0.04	c0.05	0.02
v/s Ratio Perm		c0.25		0.12		0.23		0.01						0.01
v/c Ratio		1.03	1.03	0.30		1.05	0.99	0.03	1.09	0.71		0.29	0.85	0.07
Uniform Delay, d1		67.8	55.1	16.4		69.8	56.9	36.6	69.4	72.7		69.8	83.9	44.3
Progression Factor		0.86	0.59	0.05		1.49	0.86	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		67.8	29.2	0.1		98.6	19.6	0.1	57.8	8.4		0.7	43.8	0.1
Delay (s)		126.1	61.4	0.9		202.8	68.8	36.6	127.2	81.1		70.5	127.8	44.4
Level of Service		F	E	A		F	E	D	F	F		E	F	D
Approach Delay (s)			54.8				75.8			118.5			79.2	

HCM Signalized Intersection Capacity Analysis 2605: Pondella Rd & Pine Island Rd

08/10/2021

														
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Approach LOS	D				E				F				E	
Intersection Summary														
HCM 2000 Control Delay	76.4				HCM 2000 Level of Service				E					
HCM 2000 Volume to Capacity ratio	1.04													
Actuated Cycle Length (s)	180.0				Sum of lost time (s)				17.9					
Intersection Capacity Utilization	84.0%				ICU Level of Service				E					
Analysis Period (min)	15													
! Phase conflict between lane groups.														
c Critical Lane Group														

Queues

2605: Pondella Rd & Pine Island Rd

08/10/2021

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	198	1408	437	83	1286	40	852	198	71	93	112
v/c Ratio	1.03	1.03	0.38	1.05	0.99	0.06	1.09	0.71	0.29	0.85	0.19
Control Delay	123.3	61.6	0.9	187.1	68.3	0.1	120.4	85.2	75.8	134.7	8.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	123.3	61.6	0.9	187.1	68.3	0.1	120.4	85.2	75.8	134.7	8.3
Queue Length 50th (ft)	~128	~938	3	~107	841	0	~578	222	77	111	4
Queue Length 95th (ft)	#224	#1074	2	m#165	#978	m0	#714	304	140	#228	53
Internal Link Dist (ft)		1492			2262			452		145	
Turn Bay Length (ft)	445			445		200	725		125		125
Base Capacity (vph)	192	1372	1144	79	1293	674	785	378	243	109	591
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.03	1.03	0.38	1.05	0.99	0.06	1.09	0.52	0.29	0.85	0.19

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



APPENDIX H: Benefit-Cost Ratio and Net Present Value Analysis

Benefit-Cost Analysis

District: **One** County: **16 - Polk** Date Prepared: **08/17/21**

Location: **SR 78 from Del Prado Blvd to Hibiscus Dr**

Section : **12060000** Beg. Milepost : **12.061** End Milepost : **12.802**
Rdway Type: **4 - 5 Lanes Suburban Divided**

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

Install a bi-directional median at Hibiscus D and close the median opening at the Lowes Ent

ANNUAL COST OF IMPROVEMENTS

Type	Cost	Life	Capital Recovery		Total
			Service	Factor	
ROW		100		0.0408	\$ -
P.E.C.E.I.	\$ 150,876.44	15		0.0899	\$ 13,563.79
Signing, Marking	\$ 78,997.41	10		0.1233	\$ 9,740.38
Roadway	\$ 587,017.50	20		0.0736	\$ 43,204.49
Illumination	\$ 61,106.40	15		0.0899	\$ 5,493.47
Signal	\$ 178,137.30	20		0.0736	\$ 13,110.91
Other		20		0.0736	\$ -
Sub-Total	\$ 1,056,135.05				\$ 85,113.03
Annual Cost =					\$ 85,113.03

Total number of crashes = 438
of correctable crashes, PC = 36
of years of crash data, YD = 5
PC/YD = 7.20

Crash reduction factor, CRF = 13.51%
CRF x (PC/YD) = 0.97
Cost per crash, CPC = \$216,234.00
Benefit = \$210,335

Primary crash reduction factor (%): 7
Convert an open median to a directional median

Additional crash reduction factor: 7
Closure or complete relocation of all driveways from functional area of intersection

Additional crash reduction factor:

BENEFIT/COST RATIO

$$\frac{\text{Benefit}}{\text{Cost}} = \frac{\$210,335.14}{\$85,113.03} = 2.47$$

CRFs from Clearinghouse. Number of crashes only the applicable left and angle crashes at Hibiscus and at Lowes Ent.

Prepared by: **Ben Rodgers**

Net Present Value Evaluation

Year	CRF x (PC/YD)	Cost per Crash	Present Value
1	0.97	\$216,234.00	\$201,357.10
2	0.97	\$216,234.00	\$192,967.22
3	0.97	\$216,234.00	\$186,674.81
4	0.97	\$216,234.00	\$178,284.93
5	0.97	\$216,234.00	\$171,992.52
6	0.97	\$216,234.00	\$165,700.11
7	0.97	\$216,234.00	\$159,407.70
8	0.97	\$216,234.00	\$153,115.30
9	0.97	\$216,234.00	\$146,822.89
10	0.97	\$216,234.00	\$142,627.95
11	0.97	\$216,234.00	\$136,335.54
12	0.97	\$216,234.00	\$130,043.13
13	0.97	\$216,234.00	\$125,848.19
14	0.97	\$216,234.00	\$121,653.25
15	0.97	\$216,234.00	\$117,458.31
16	0.97	\$216,234.00	\$111,165.90
17	0.97	\$216,234.00	\$106,970.96
18	0.97	\$216,234.00	\$102,776.02
19	0.97	\$216,234.00	\$98,581.08
20	0.97	\$216,234.00	\$96,483.61

Total Present Value

Benefit \$2,846,266.52
Cost

Net Present Value **\$2,846,266.52**