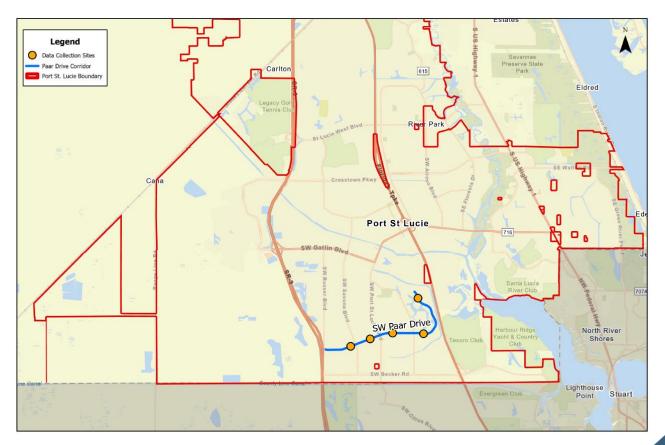


Paar Drive Corridor Speed Study

City of Port St. Lucie, Florida





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Paar Drive Corridor Speed Study

Prepared for:

City of Port St. Lucie, Florida



Prepared by:

Kimley-Horn and Associates, Inc.



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Executive Summary

Kimley-Horn was retained by the City of Port St. Lucie (the City) to conduct a collector roadway speed limit analysis to evaluate speed limits and travel speeds on Paar Drive between Rosser Boulevard and Tulip Boulevard, within the City of Port St. Lucie (the City).

The analysis follows the speed zoning policy contained within Florida Statutes (F.S.) 316.189. Municipalities may set speed limits, both as to maximum and minimum, after investigation determines such a change is reasonable and in conformity to criteria promulgated by the Florida Department of Transportation (FDOT) consistent with Section 316.189, F.S, published in the FDOT *Speed Zoning for Highways, Roads, and Streets* manual (August 2018).

The FDOT manual also includes information on Target Speed. Target speed is the highest speed at which vehicles should operate on a thoroughfare in a specific context, consistent with the level of multi-modal activity generated by adjacent land uses, to provide both mobility for motor vehicles and a safe environment for pedestrians, bicyclists, and public transit users. If measured speeds are significantly exceeding the Target Speed of a roadway, physical changes to the roadway may be necessary to bring actual travel speeds more in line with the Target Speed.

Continuous 24-hour weekday (Tuesday, Wednesday, or Thursday) roadway volumes, speed classifications, and 10-MPH pace data were collected on the corridor at five (5) locations. The data analysis results indicate one (1) location meets the conditions necessary for a speed limit modification and two (2) additional locations met the conditions necessary for a supplemental investigation of roadway characteristics and surrounding land use context to confirm whether the speed limit modification is warranted. Following the supplemental investigation of roadway characteristics, connectivity, and multi-modal considerations, all additional locations were found to meet the conditions necessary for a speed limit modification.



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Introduction

A speed limit analysis was completed to evaluate speed limits and travel speeds on Paar Drive within the City of Port St. Lucie (the City). Collector roads provide both access and traffic movement between the local streets and arterial roads. A collector road provides moderate volume, speeds, trip lengths, and volume of through-traffic.

The study corridor is comprised of Paar Drive from Rosser Boulevard to Tulip Boulevard, as shown in Figure 1. The speed limit on this corridor is 40 miles per hour (MPH) west of SW Darwin Boulevard, and 25 miles per hour (MPH) east of SW Darwin Boulevard. Five (5) locations on the collector roadway within the City were selected to gather speed and volume counts. Data collection locations can be seen in Figures 1 and 2, with written descriptions available in Table 1 under the "Location" column.

The study methodology is based on criteria promulgated by FDOT consistent with Section 316.189, F.S. This analysis follows the process established in the FDOT *Speed Zoning for Highways, Roads, and Streets* manual (August 2018) and is consistent with comparable efforts recently performed in other municipalities.

The City of Port St. Lucie adopted a *Neighborhood Traffic Calming Policy* on May 18, 2020. The policy applies to City-owned local streets and collector streets. An excessive speed and volume criteria is provided in the policy that determines if streets are eligible to proceed into the conceptual traffic calming plan phase. The excessive speed and volume criteria states that roadways that exhibit traffic volumes greater than 800 annual average daily traffic (AADT) and (1) the measured 85th percentile speed is 9 miles per hour (MPH) or greater than the posted speed limit or (2) the peak hour volume is greater than 12 percent of the AADT, are eligible to continue to the conceptual traffic calming phase. Local or collector streets that do not meet the excessive speed and volume criteria but the traffic count and speed data are both within 20 percent of the minimum criteria (2 MPH and 160 vehicles per day) may be eligible for traffic calming if extenuating circumstances apply including large number or frequency of crashes, numerous bus stops, numerous residential driveways, roadway geometry issues, or lack of sidewalks. Minor excessive speed and volume issues (AADT between 300 and 800, and 85th



percentile speed between 5 and 8 MPH above the posted speed limit) will be addressed through enforcement and education. The policy also states that traffic calming measures are only occasionally used on collector streets and are more commonly used on local streets. This information is important due to the potential need for supplemental considerations to be paired with a speed limit reduction depending on the data analysis results.

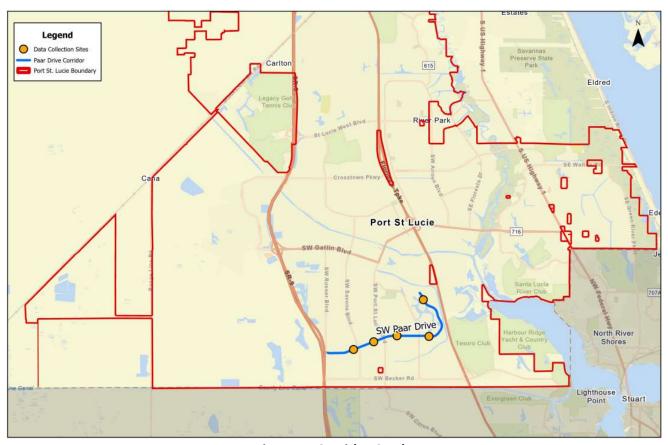


Figure 1: Corridor Study (See also Appendix A)



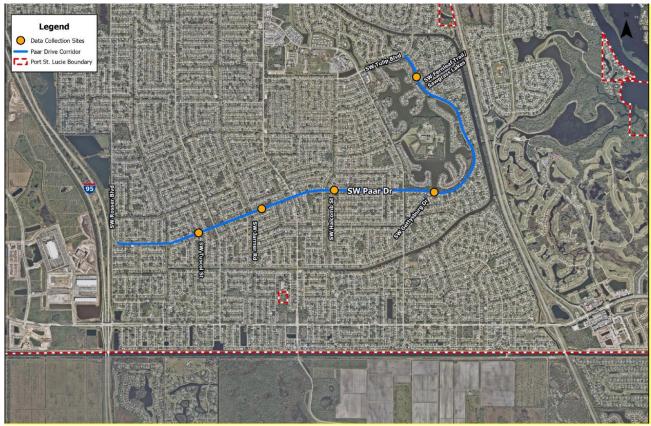


Figure 2: Data Collection Sites (See also Appendix A)

Data Collection

Traffic data were collected for the collector road within the City of Port St Lucie. The data collection included continuous 24-hour weekday (Tuesday, Wednesday, or Thursday) roadway volumes, speed classifications, and 10-MPH pace data at five (5) locations. Data collection locations were selected along the corridor. Map figures illustrating the road included in the analysis and the data collection locations are included in Appendix A. Detailed traffic data are included in Appendix B. The existing speed limits on the corridor were used as a guide for modifying speed limits.

Data Analysis

The collected traffic data were evaluated in accordance with the guidance provided in the FDOT *Speed Zoning for Highways, Roads, and Streets* manual (2018). The following provides definitions for the traffic engineering values used in the analysis.

85th Percentile Speed

The 85th percentile speed is the speed at which 85 percent of vehicles travel at or below. The 85th percentile speed was included for all locations. Average neighborhood-specific and overall citywide 85th percentile speed values were calculated. A summary of the calculated 85th percentile speeds is presented in Table 1.

10-MPH Pace

The 10-MPH pace is the 10-MPH band of travel speeds containing the largest number of vehicles collected in the study. The 10-MPH pace data was included for all locations. Average neighborhood-specific and city-wide upper limit 10-MPH pace speeds were calculated. A summary of the calculated 10-MPH pace speeds is presented in Table 1.

The FDOT *Speed Zoning for Highways, Roads, and Streets* manual (2018) guidance indicates the following conditions consistent with Section 316.189, F.S.:

Condition 1

The posted speed limit should not differ from the 85th percentile speed or the upper limit of the 10-MPH pace (whichever is less) by more than three (3) MPH.



Condition 2

A posted speed limit of more than eight (8) MPH below the 85th percentile speed is not authorized. Furthermore, a speed limit of four (4) to eight (8) MPH less than the 85th percentile speed shall be authorized if supported by a supplemental investigation which identifies the following:

- There are road or roadside features not readily obvious to the typical driver such as length
 of section, alignment, roadway width, surface condition, sight distance, traffic volume,
 crash experience, maximum comfortable speed in curves, side friction (roadside
 development), or signal progression.
- Other standard sign and markings have been tried but found ineffective; or
- To support a context classification target speed as defined in the FDOT Design Manual.

A range of speeds at each data collection location was used as the target for a speed limit modification. For example, at the data collection location of SW Paar Dr E/O SW Jarmer Rd the current posted speed limit is 40 MPH, making the range of speeds evaluated 35-40 MPH. The 85th percentile speed and 10-MPH pace were then evaluated against Conditions 1 and 2 to determine if reducing the speed limit to 35 MPH was authorized at that location.

Table 1 provides a summary of the 85th percentile and 10-MPH pace average speeds for the five (5) data collection locations. One (1) location met Condition 1 for increasing the posted speed limit by ten (10) MPH. Two (2) locations met Condition 2 because the range of speeds evaluated was not more than eight (8) MPH below the 85th percentile speed. A supplemental investigation assessing traffic volumes, speeds, surrounding land use characteristics, and roadway characteristics was conducted for the two (2) locations to support a speed limit reduction between four (4) to eight (8) MPH below the 85th percentile speed.

Location	Posted Speed Limit (MPH)	Context Classification (Future Refined Smoothed)	Federal Functional Classification	Average 85 th Percentile Speed (MPH)	Average 10-MPH Pace	Meets Conditions for Speed Limit Modification	Range of Speeds Evaluated (MPH)
SW Paar Dr W/O SW Tuscol St	40	C3R – Suburban Residential	Urban Minor Collector	46	35-44	No	35-40
SW Paar Dr E/O SW Jarmer Rd	40	C3R – Suburban Residential	Urban Minor Collector	45	34-43	No	35-40
SW Paar Dr E/O SW Halcomb St	40	C3R – Suburban Residential	Urban Minor Collector	43	34-43	Yes (Condition 2)	35-40
SW Paar Dr E/O SW Gettysburg Dr	25	C3R – Suburban Residential	Urban Local	41	32-41	Yes (Condition 2)	25-40
SW Paar Dr N/O SW Fernleaf Trail/Sawgrass Lakes	25	C3R – Suburban Residential	Urban Local	40	29-38	Yes (Condition 1)	25-40

5 Total Locations

Findings

A speed limit analysis was completed to evaluate speed limits and travel speeds on Paar Drive within the City of Port St. Lucie (the City).

The data collection included continuous 24-hour weekday (Tuesday, Wednesday, or Thursday) roadway volumes, speed classifications, and 10-MPH pace data at five (5) locations. In total, three sites along SW Paar Drive were identified for speed limit modifications. Table 2 provides a summary of the 85th percentile, 10-MPH pace average speeds, current posted speed limits, and recommended speed limits for the three (3) data sites meeting the criteria for speed limit modifications.

Notes: (1) "Yes (Condition 1)" indicates locations where the lesser of the 85th percentile speed or upper limit of the 10-MPH pace is within three (3) MPH of the desired speed limit (5 MPH below the current posted speed limit); "Yes (Condition 2)" indicates locations where targeted speed limit was not more than 8 MPH below the 85th percentile speed.

⁽²⁾ A supplemental investigation to justify a speed limit modification of 4 to 8 MPH less than the 85th percentile speed was conducted for the two (2) locations only meeting Condition 2.



Table 2: Locations Eligible for Speed Limit Reductions
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Location	Average 85 th Percentile Speed (MPH)	Average Upper Limit of 10-MPH Pace	Current Speed Limit (MPH)	Recommended Posted Speed Limit (MPH)	Needs Supplemental Consideration?	
SW Paar Dr E/O SW Halcomb St	43	34-43	40	35	Yes	
SW Paar Dr E/O SW Gettysburg Dr	41	32-41	25	35	Yes	
SW Paar Dr N/O SW Fernleaf Trail/Sawgrass Lakes	40	29-38	25	35	No	

3 Total Locations

The results of the speed data analysis indicate that one (1) site meets the conditions necessary for a speed limit reduction, with no supplemental investigation required, due to the upper limit of the 10-MPH pace being within 3 MPH of the potential speed limit reduction target speed.

SW Paar Drive north of SW Fernleaf Trail/Sawgrass Lakes

Two (2) additional sites meet the criteria for a speed limit reduction of four (4) to eight (8) MPH from the 85th percentile speed or upper limit of the 10-MPH pace, following a supplemental investigation of roadway characteristics and surrounding land use context:

- SW Paar Drive east of SW Halcomb Street
- SW Paar Drive east of SW Gettysburg Drive

Results and findings from the supplemental investigation are provided below for the two (2) collector roads listed above.

SW Paar Drive east of SW Halcomb Street

Current Posted Speed Limit: 40 MPH

Potential Posted Speed Limit: 35 MPH

Supplemental Analysis and Recommendation:

- Uses are primarily residential with frequent driveways that have direct access to the roadway.
- There is one-lane in each direction throughout this segment.



• There is a school bus stop present east of SW Halcomb Street leading to dangerous conditions for pedestrians.

SW Paar Drive east of SW Gettysburg Drive

Current Posted Speed Limit: 25 MPH

Potential Posted Speed Limit: 35 MPH

Supplemental Analysis and Recommendation:

- Residential driveways are present on the south side of the corridor near SW Gettysburg Drive.
- The roadway curves east of SW Gettysburg Drive.
- This roadway is classified as an urban local street, with an average 85th percentile speed and average 10 MPH pace greatly exceeding the current speed limit.
- Recommend increasing the speed limit to 35 MPH.

Conclusion

The results of the Collector Roads Speed Limit Analysis show that potential speed limit modifications on Paar Drive are supported by data and supplemental considerations should the City choose to pursue them. Table 3 provides a brief summary of the findings.

Table 3: Summary of Findings

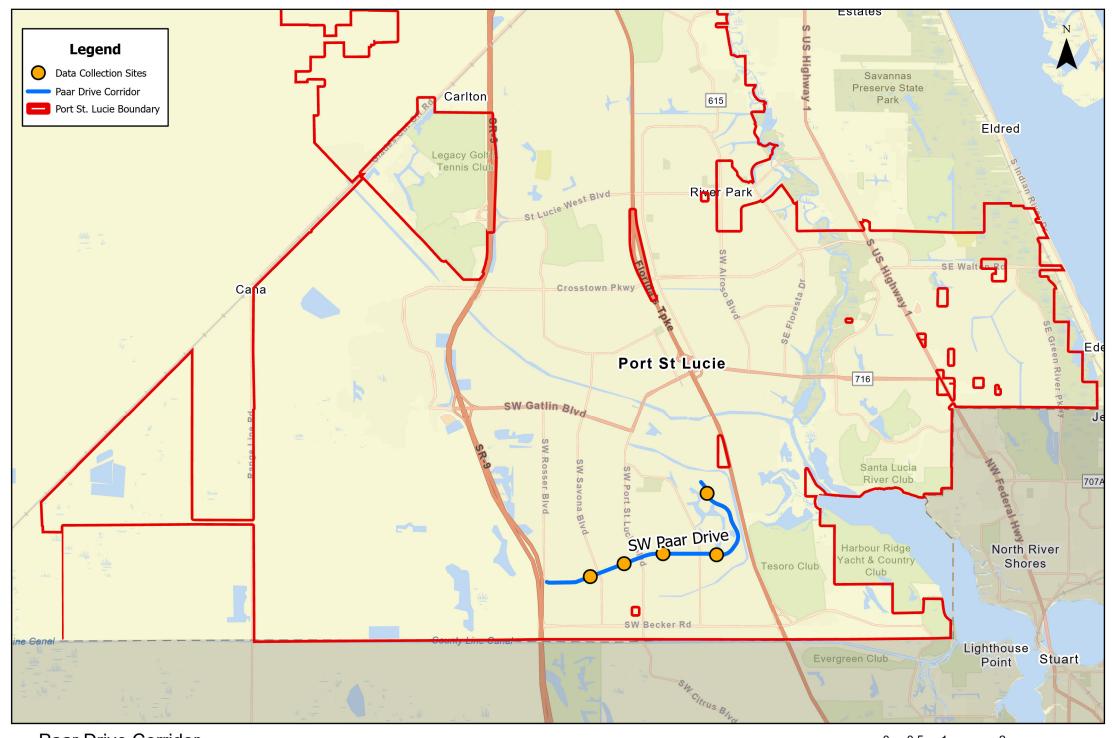
Location	Current Speed Limit (MPH)	Range of Speeds Evaluated (MPH)	Recommended Speed Limit (MPH)	Notes
SW Paar Dr E/O SW Halcomb St	40	35-40	35	Recommend lowering the speed limit to 35 MPH due to the residential proximity and frequency of driveways connecting to the corridor.
SW Paar Dr E/O SW Gettysburg Dr	25	35-40	35	Recommend increasing the speed limit to 35 MPH based on the high average 85 th percentile speed and a high average 10 MPH pace, indicating that SW Paar Drive east of SW Gettysburg Drive may not be serving a typical local street function. Consider changing the local street roadway designation to a collector roadway in future Comprehensive Plan updates.



SW Paar Dr N/O SW Fernleaf Trail/Sawgrass Lakes	25	35-40	35	Recommend increasing the speed limit to 35 MPH based on the high average 85 th percentile speed and a high average 10 MPH pace, indicating that SW Paar Drive south of SW Fernleaf Trail/Sawgrass Lakes may not be serving a typical local street function. Consider changing the local street roadway designation to a collector roadway in future Comprehensive Plan
				updates.

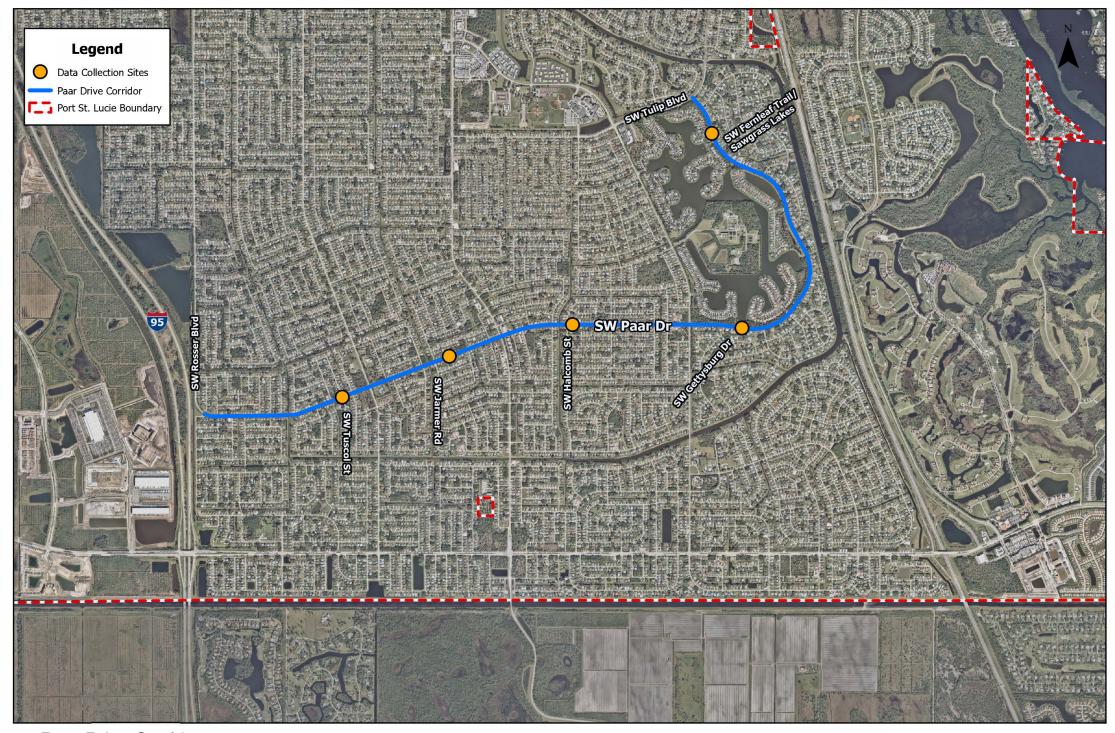
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Appendix ALocation Maps



Paar Drive Corridor
June 2023

0 0.5 1 2 Miles



Paar Drive Corridor
June 2023

0.5 1 Miles

Appendix B

Traffic Data Collection

SW Paar Dr W/O SW Tuscol St

 Day: Wednesday
 City: Port St Lucie

 Date: 2/9/2022
 Project #: FL22_140059_017

Switting y														
Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	2	1	9	11	6	0	0	0	0	0	30
01:00	0	0	0	1	1	5	4	3	1	1	0	0	0	16
02:00	0	0	0	0	1	1	2	1	1	0	0	0	0	6
03:00	1	1	1	0	1	4	2	6	1	0	0	0	0	17
04:00	0	0	1	1	4	6	14	7	2	2	0	0	0	37
05:00	1	2	4	0	5	20	25	19	7	2	0	0	-	85
06:00	1	4	23	11	28	43	76	43	7	1	1	0	_	238
07:00	0	2	14	31	72	144	98	53	7	1	1	0	0	423
08:00	4	7	17	23	54	110	114	32	12	0	1	0	0	374
09:00	0	5	10	15	53	104	74	39	7	2	0	0	0	309
10:00	0	2	3	15	68	97	87	30	6	0	0	0	0	308
11:00	1	0	16	6	40	106	100	28	10	1	0	0	0	308
12:00 PM	0	1	25	28	43	92	96	26	6	0	0	0	_	317
13:00	0	3	10	24	60	92	119	32	11	1	0	0	-	352
14:00	3	6	10	18	47	126	116	47	5	0	1	0	_	379
15:00	0	3	18	22	50	123	146	52	14	1	1	0	0	430
16:00	3	11	16	8	51	137	137	59	17	1	0	0	0	440
17:00	0	2	11	19	56	160	166	71	16	0	1	0	_	502
18:00	0	1	13	14	43	158	145	57	9	1	1	0	0	442
19:00	0	1	3	8	25	98	107	51	11	0	0	0	0	304
20:00	1	1	6	7	25	60	87	44	6	3	0	0	0	240
21:00	0	2	5	7	15	49	57	20	7	4	0	0	•	166
22:00	0	0	6	4	12	23	24	26	3	0	0	0	_	98
23:00	0	0	2	0	5	13	22	16	3	0	0	0	0	61
Totals	15	54	215	264	760	1780	1829	768	169	21	7			5882
% of Totals	0%	1%	4%	4%	13%	30%	31%	13%	3%	0%	0%			100%
AM Volumes	8	23	90	105	328	649	607	267	61	10	3	0	0	2151
% AM	0%	0%	2%	2%	6%	11%	10%	5%	1%	0%	0%			37%
AM Peak Hour	08:00	08:00	06:00	07:00	07:00	07:00	08:00	07:00	08:00	04:00	06:00			07:00
Volume	4	7	23	31	72	144	114	53	12	2	1			423
PM Volumes	7	31	125	159	432	1131	1222	501	108	11	4	0	0	3731
% PM	0%	1%	2%	3%	7%	19%	21%	9%	2%	0%	0%			63%
PM Peak Hour	14:00	16:00	12:00	12:00	13:00	17:00	17:00	17:00	16:00	21:00	14:00			17:00
Volume	3	11	25	28	60	160	166	71	17	4	1			502
Dir	ectional Pe			AM 7-9		- 1	NOON 12-2			PM 4-6		Off	Peak Volun	nes
		All Speeds	Volume		%	Volume		%	Volume		%	Volume		%
			797	←→	14%	669	\longleftrightarrow	11%	942	←→	16%	3474	\longleftrightarrow	59%

		Percentiles Percentiles										
ı	Direction	15th	50th	Average	85th	95t	th	ADT				
L		32	40	39	46	49	9	5882				
Ī		Pace										
ı	Summary	10mph Pace	# in Pace	% in Pace	Number of Vehicles >= 25 MPH % o		% of V	ehicles >= 25 MPH				
L		35 - 44	3609	61.36%	5598		95.17%					

SW Paar Dr E/O SW Jarmer Rd

 Day: Thursday
 City: Port St. Lucie

 Date: 5/11/2023
 Project #: FL23_140234_001

Sammary .														
Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	1	0	0	3	6	4	0	2	0	0	0	0	16
1:00	0	0	0	1	1	2	7	3	0	0	0	0	0	14
2:00	0	0	1	2	0	3	8	2	1	0	0	0	0	17
3:00	0	0	0	0	0	2	5	2	1	1	0	0	1	12
4:00	0	0	0	0	2	5	9	9	3	2	0	0	0	30
5:00	0	0	0	3	10	11	10	11	5	4	0	0	0	54
6:00	1	1	2	9	16	52	69	27	6	4	0	0	0	187
7:00	0		7	15	80	144	117	52	18	2	1	0	0	437
8:00	6	12	30	46	78	108	67	15	2	0	0	0	0	364
9:00	0	1	2	9	47	103	98	34	8	7	1	0	0	310
10:00	0	1	5	21	40	117	101	52	6	1	2	0	0	346
11:00	1	0	8	14	54	90	102	41	13	3	1	2	1	330
12:00 PM	0	3	1	9	66	124	103	41	12	3	1	0	0	363
13:00	1	3	2	8	58	125	129	48	7	3	0	1	0	385
14:00	4	3	4	23	68	116	113	53	12	2	0	0	0	398
15:00	3	4	5	18	61	143	143	42	11	0	2	0	0	432
16:00	0	1	8	19	96	185	149	55	9	3	0	0	0	525
17:00	1	0	5	19	74	191	167	60	12	1	0	0	0	530
18:00	0	0	2	14	71	158	157	52	18	3	0	0	0	475
19:00	0	0	8	22	74	157	145	41	10	4	1	0	0	462
20:00	0	1	1	16	94	149	77	26	11	3	1	0	0	379
21:00	0	1	3	2	40	74	58	25	8	1	0	1	0	213
22:00	1	0	1	4	16	40	33	21	8	2	2	1	0	129
23:00	0		0	3	4	15	22	9	1	1	0	0	0	55
Totals	18	33	95	277	1053	2120	1893	721	184	50	12	5	2	6463
% of Totals	0%	1%	1%	4%	16%	33%	29%	11%	3%	1%	0%	0%	0%	100%
AM Volumes	8	17	55	120	331	643	597	248	65	24	5	2	2	2117
% AM	0%	0%	1%	2%	5%	10%	9%	4%	1%	0%	0%	0%	0%	33%
AM Peak Hour	8:00	8:00	8:00	8:00	7:00	7:00	7:00	7:00	7:00	9:00	10:00	11:00	3:00	7:00
Volume	6	12	30	46	80	144	117	52	18	7	2	2	1	437
PM Volumes	10	16	40	157	722	1477	1296	473	119	26	7	3	0	4346
% PM	0%	0%	1%	2%	11%	23%	20%	7%	2%	0%	0%	0%		67%
PM Peak Hour	14:00		16:00	14:00	16:00	17:00	17:00	17:00	18:00	19:00	15:00	13:00		17:00
Volume	4	4	8	23	96	191	167	60	18	4	2	1		530
Dir	ectional Pe	ak Periods		AM 7-9			NOON 12-2			PM 4-6		Off	Peak Volun	nes
		All Speeds	Volume		%	Volume		%	Volume		%	Volume		%
		•	801	\longleftrightarrow	12%	748	\longleftrightarrow	12%	1055	\longleftrightarrow	16%	3859	\longleftrightarrow	60%

Direction	Percentiles										
	15th	50th	Average	Average 85th		h	ADT				
Summary	32	39	39	45	48		6463				
	Pace										
	10mph Pace	# in Pace	% in Pace	Number of Vehicles >= 55 MPH % of		% of Ve	ehicles >= 55 MPH				
	34 - 43 mph	4239	65.59% 69				383.33%				

SW Paar Dr E/O SW Halcomb St

 Day: Thursday
 City: Port St. Lucie

 Date: 5/11/2023
 Project #: FL23_140234_002

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	3	10	9	2	0	0	0	0	0	24
01:00	0	0	0	0	2	1	3	0	1	0	0	0	0	7
02:00	0	0	0	1	1	1	2	0	2	1	0	0	0	8
03:00	0	0	0	0	2	2	4	1	0	0	0	0	0	9
04:00	0	0	1	1	1	8	5	5	2	0	0	0	0	23
05:00	0	0	2	3	4	14	16	9	0	0	0	0	0	48
06:00	0	0	4	6	28	53	46	15	4	1	0	0	0	157
07:00	0	3	8	16	55	150	114	43	5	2	0	0	0	396
08:00	0	0	9	17	42	103	83	33	4	1	0	0	0	292
09:00	2	5	2	15	33	70	49	13	0	3	0	1	0	193
10:00	2	0	2	19	32	63	57	19	1	0	1	0	0	196
11:00	0	0	1	9	27	75	57	26	7	2	0	0	0	204
12:00 PM	2	1	6	5	47	66	81	16	7	4	0	0	0	235
13:00	1	1	1	7	33	85	77	27	4	1	2	0	0	239
14:00	1	1	4	10	39	102	81	21	11	2	2	0	0	274
15:00	1	2	5	27	50	92	89	22	6	2	1	0	0	297
16:00	0	1	5	18	56	150	106	26	11	0	0	0	0	373
17:00	0	0	4	15	70	154	148	37	3	0	0	0	0	431
18:00	0	1	3	13	52	106	104	35	8	0	0	0	0	322
19:00	0	0	3	6	30	99	77	23	7	1	0	0	0	246
20:00	0	0	3	20	66	93	47	14	4	1	0	0	0	248
21:00	0	3	1	3	26	67	39	17	3	2	0	0	0	161
22:00	0	0	0	8	11	28	17	15	4	1	0	0	0	84
23:00	0	0	0	1	5	12	17	7	0	0	1	0	0	43
Totals	9	18	64	220	715	1604	1328	426	94	24	7	1		4510
% of Totals	0%	0%	1%	5%	16%	36%	29%	9%	2%	1%	0%	0%	ļ	100%
AM Volumes	4	8	29	87	230	550	445	166	26	10	1	1	0	1557
% AM	0%	0%	1%	2%	5%	12%	10%	4%	1%	0%	0%	0%		35%
AM Peak Hour	09:00	09:00	08:00	10:00	07:00	07:00	07:00	07:00	11:00	09:00	10:00	09:00		07:00
Volume	2	5	9	19	55	150	114	43	7	3	1	1		396
PM Volumes	5	10	35	133	485	1054	883	260	68	14	6	0	0	2953
% PM	0%	0%	1%	3%	11%	23%	20%	6%	2%	0%	0%			65%
PM Peak Hour	12:00	21:00	12:00	15:00	17:00	17:00	17:00	17:00	14:00	12:00	13:00			17:00
Volume	2	3	6	27	70	154	148	37	11	4	2			431
Dir	ectional Pe	ak Periods	•	AM 7-9		Ī	NOON 12-2			PM 4-6		Off	Peak Volun	nes
		All Speeds	Volume		%	Volume		%	Volume		%	Volume		%
			688	\longleftrightarrow	15%	474	\longleftrightarrow	11%	804	\longleftrightarrow	18%	2544	\longleftrightarrow	56%

·- ·	Percentiles									
Direction	15th	50th	Average	85th	95t	h	ADT			
	33	39	38	43	48		4510			
Summary			Pa	ace	48					
Summary	10mph Pace	# in Pace	% in Pace	Number of Vehicles >= 55 MPH % of 1		% of Ve	f Vehicles >= 55 MPH			
	34 - 43 mph	3091	68.54%	32			246.15%			

SW Paar Dr E/O SW Gettysburg Dr

 Day: Thursday
 City: Port St. Lucie

 Date: 5/11/2023
 Project #: FL23_140234_003

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	0	2	0	6	3	1	0	0	0	0	0	12
1:00	0	0	0	0	0	0	1	0	0	0	0	0	0	1
2:00	0	0	0	0	0	1	1	0	0	0	0	0	0	2
3:00	0	0	0	0	0	0	1	0	0	1	0	0	0	2
4:00	0	0	0	1	2	1	4	0	1	2	0	0	0	11
5:00	0	0	0	0	1	16	5	5	0	0	0	0	0	27
6:00	0	0	2	6	25	33	19	4	1	0	0	0	0	90
7:00	0	1	3	11	49	72	34	8	-	0	0	0	0	178
8:00	0	1	0	4	32	46	17	4	0	0	0	0	0	104
9:00	1	0	1	10	30	39	13	6	1	0	0	0	0	101
10:00	0	0	1	13	27	37	15	6	0	1	0	0	0	100
11:00	2	0	3	16	41	36	6	5	0	0	0	0	0	109
12:00 PM	0	0	1	13	27	36	9	0	0	0	0	0	0	86
13:00	0	0	5	16	46	31	13	4	1	0	0	0	0	116
14:00	0	1	0	12	22	51	18	7	2	0	0	0	0	113
15:00	1	0	2	10	32	41	21	5	1	0	1	0	0	114
16:00	0	0	3	16	34	66	41	7	1	0	0	0	0	168
17:00	0	0	3	12	37	59	45	11	1	0	0	0	0	168
18:00	1	0	0	8	27	50	30	8	2	0	0	0	0	126
19:00	0	1	1	7	17	34	18	5	0	1	0	0	0	84
20:00	1	0	0	5	28	20	11	1	0	0	0	0	0	66
21:00	1	0	1	4	13	14	10	2	2	0	0	0	0	47
22:00 23:00	0	0	0	2	5 3	5	8 4	2	0	0	0	0	0	21 16
Totals	7	4	27	169	498	699	347	92	13	5	1	U	U	1862
% of Totals	0%	0%	1%	9%	27%	38%	19%	5%	1%	0%	0%			100%
7. 5. 15	070	070	170	370	2770	3070	1370	370	170	070	070			100%
AM Volumes	3	2	10	63	207	287	119	39	3	4	0	0	0	737
% AM	0%	0%	1%	3%	11%	15%	6%	2%	0%	0%				40%
AM Peak Hour	11:00	7:00	7:00	11:00	7:00	7:00	7:00	7:00	4:00	4:00				7:00
Volume	2	1	3	16	49	72	34	8	1	2				178
PM Volumes	4	2	17	106	291	412	228	53	10	1	1	0	0	1125
% PM	0%	0%	1%	6%	16%	22%	12%	3%	1%	0%	0%			60%
PM Peak Hour	15:00	14:00	13:00	13:00	13:00	16:00	17:00	17:00	14:00	19:00	15:00			16:00
Volume	1	1	5	16	46	66	45	11	2	1	1			168
Dir	ectional Pe	ak Periods		AM 7-9			NOON 12-2			PM 4-6		Off	Peak Volun	nes
		All Speeds	Volume		%									
			282	\longleftrightarrow	15%	202	\longleftrightarrow	11%	336	\longleftrightarrow	18%	1042	\longleftrightarrow	56%

D	Percentiles									
Direction	15th	50th	Average	85th	95t	h	ADT			
	30	36	36	41	45		1862			
Summary			Pa	ice						
Summary	10mph Pace	# in Pace	% in Pace	Number of Vehicles >= 55 MPH % of		% of V	ehicles >= 55 MPH			
	32 - 41 mph	1236	66.38%	6			120.00%			

SW Paar Dr N/O SW Fernleaf Trail/Sawgrass Lakes

 Day: Thursday
 City: Port St. Lucie

 Date: 5/11/2023
 Project #: FL23_140234_004

Summary														
Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	2
1:00	0	0	0	2	2	0	2	0	0	0	0	0	0	6
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	1	1	0	1	0	0	0	0	0	0	3
4:00	0	0	0	1	0	3	0	1	0	0	0	0		5
5:00	0	0	0	4	15	3	8	4	0	0	0	0	0	34
6:00	0	0	1	18	17	18	13	9	2	0	0	0	0	78
7:00	0	0	2	20	51	60	33	5	6	0	0	0	0	177
8:00	3	1	4	18	48	40	21	6	2	0	0	0	0	143
9:00	2	2	6	37	46	46	9	0	4	0	0	0	-	152
10:00	1	5	10	24	37	34	16	1	1	1	0	0	-	130
11:00	1	7	6	27	44	38	16	2	0	0	0	0	-	141
12:00 PM	2	2	7	41	41	40	17	1	1	0	0	0		152
13:00	2	2	5	31	45	33	12	3	3	0	0	-	-	136
14:00	1	1	11	34	50	50	17	4	1	0	0	0		169
15:00	0	4	9	39	56	42	22	6	2	0	0	0		180
16:00	0	1	10	47	59	64	38	6	0	0	0	0	0	225
17:00	2	1	9	37	67	46	36	11	4	0	0	0	0	213
18:00	1	1	3	20	44	51	27	8	2	1	1	0	-	159
19:00	0	_	6	20	36	47	27	7	1	0	0	0	-	146
20:00	0	-	8	18	25	26	13	4	2	1	0	_		97
21:00	0	_	3	11	23	20	13	4	0	0	0	0	0	74
22:00	0	0	4	4	8	6	6	1	0	0	0	0	0	29
23:00	0		2	3	5	11	4	2	0	0	0	0	0	27
Totals	15	29	106	457	721	679	351	85	31	3	1			2478
% of Totals	1%	1%	4%	18%	29%	27%	14%	3%	1%	0%	0%			100%
AM Volumes	7	15	29	152	262	243	119	28	15	1	0	0	0	871
% AM	0%	1%	1%	6%	11%	10%	5%	1%	1%	0%				35%
AM Peak Hour	8:00	11:00	10:00	9:00	7:00	7:00	7:00	6:00	7:00	10:00				7:00
Volume	3	7	10	37	51	60	33	9	6	1				177
PM Volumes	8	14	77	305	459	436	232	57	16	2	1	0	0	1607
% PM	0%	1%	3%	12%	19%	18%	9%	2%	1%	0%	0%			65%
PM Peak Hour	12:00	15:00	14:00	16:00	17:00	16:00	16:00	17:00	17:00	18:00	18:00			16:00
Volume	2	4	11	47	67	64	38	11	4	1	1			225
Dir	ectional Pe	ak Periods		AM 7-9			NOON 12-2			PM 4-6		Off	Peak Volun	nes
	All Speeds				%	Volume		%	Volume		%	Volume		%
		-	320	\longleftrightarrow	13%	288	\longleftrightarrow	12%	438	\longleftrightarrow	18%	1432	\longleftrightarrow	58%

Direction	Percentiles									
Direction	15th	50th	Average	85th	95th		ADT			
	28	34	34	40	44		2478			
Summary			Pa	ice						
Summary	10mph Pace	# in Pace	% in Pace	Number of Vehicles >= 55 MPH % of		% of Ve	hicles >= 55 MPH			
	29 - 38 mph	1401	56.54%	4			30.77%			