



Red Light Camera Summary Report

Leaders in Service • Agents of Progress • Champions for Safety

Fiscal Year 2017–2018

Updated MAY 15, 2019

Introduction

Section 316.0083(4)(b), Florida Statutes, directs the Department of Highway Safety and Motor Vehicles (department) to provide a summary report on the use and operation of traffic infraction detectors (red light cameras) in Florida. The report “must include a review of information submitted to the department by the counties and municipalities and must describe the enhancement of the traffic safety and enforcement programs.”

Section 316.0083, Florida Statutes, describes the process for violations of traffic infraction detectors. A traffic infraction enforcement officer issues a Notice of Violation (NOV) to the violator within 30 days of the violation. The violator may pay the notice or contest the violation through an appeals process within 60 days. If the violator fails to pay or appeal the notice, a local jurisdiction issues a Uniform Traffic Citation (UTC) to the violator, with a copy to the Clerk of Court for adjudication.

Part 1

Survey Methodology

The department created an online survey to gather information and data from counties and municipalities (jurisdictions) responsible for the administration of red light cameras (RLC) during Fiscal Year (FY) 2017-2018. The 29-question survey included topics such as procedures, NOVs and program size, and covered activity that occurred from July 1, 2017 through June 30, 2018. As there is no statewide oversight of red light camera programs, the department relies on monies remitted to the Department of Revenue (DOR) to identify which jurisdictions potentially operated red light cameras during the reporting period. Similar to the previous FY report, jurisdictions were asked to complete a spreadsheet regarding camera and intersection locations and dates of operation. With this self-reported information, the department independently collected crash data related to red light camera intersections throughout the state.

Surveys were distributed to all jurisdictions who responded to previous red light camera surveys, and to those who remitted red light camera monies to the DOR during the reporting period. In addition, the Florida Sheriffs Association, the Florida Police Chiefs Association, the Florida League of Cities and the Florida Association of Counties aided in distributing surveys to their members.

Summary of Survey Responses

In total, 56 jurisdictions remitted monies to the DOR for red light camera penalties during FY 2017-2018 (see Supplemental Resources section). This report only reflects the jurisdictions that indicated red light cameras were operational during the reporting period (July 1, 2017 – June 30, 2018). A total of 49 jurisdictions are represented in this report including one jurisdiction that submitted a survey indicating that red light cameras were operational during the reporting period but did not remit monies to the DOR (reference Appendix F for a list of the 49 jurisdictions and their responses). Violations are sometimes paid late, which is why some jurisdictions remitted monies after the conclusion of their program, thus accounting for the eight jurisdictions not represented.

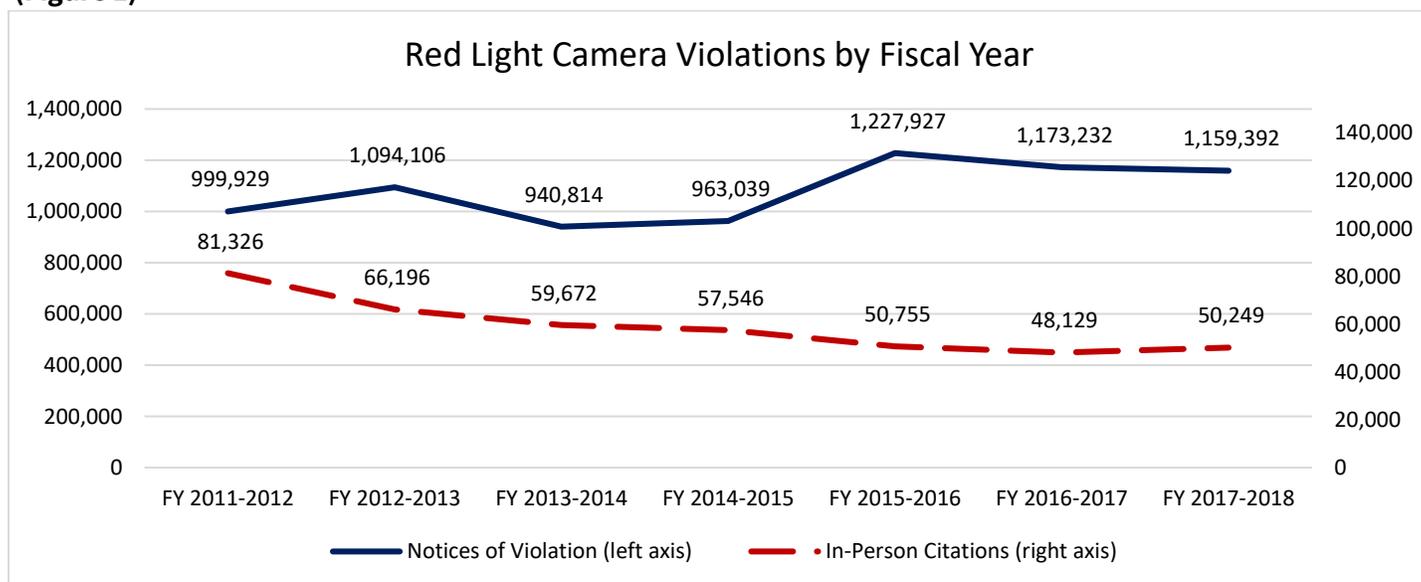
Cameras and Intersections (Data as reported by local jurisdictions in RLC survey)

- 629 RLCs active as of July 1, 2017 (680 as of July 1, 2016)
- 508 RLCs active as of June 30, 2018 (638 as of June 30, 2017)
 - Reduction of 121 cameras
 - 28 jurisdictions with no change in number of RLCs
 - 10 jurisdictions with increase in number of RLCs
 - 11 jurisdictions with decrease in number of RLCs
 - Five jurisdictions reduced number of active RLCs to zero during reporting period (July 1, 2017 – June 30, 2018).
- 404 intersections with active red light camera as of July 1, 2017 (439 as of July 1, 2016)
- 310 intersections with active red light camera as of June 30, 2018 (412 as of June 30, 2017)
 - Reduction of 94 intersections
 - 29 jurisdictions with no change in number of intersections with RLCs
 - 10 jurisdictions with increase in number of intersections with RLCs
 - 10 jurisdictions with decrease in number of intersections with RLCs

Notices of Violation (Data as reported by local jurisdictions in RLC survey)

- 1,159,392 NOVs issued (*Availability of NOV status varied by jurisdiction. Thus, numbers do not add to total.*)
 - 718,835 paid
 - 8,764 contested and pending
 - 4,216 contested and dismissed
 - 13,197 contested and upheld
- In FY 2017-2018, 143,976 NOVs were issued to repeat RLC violators (96,011 reported in FY 2016-2017 report)

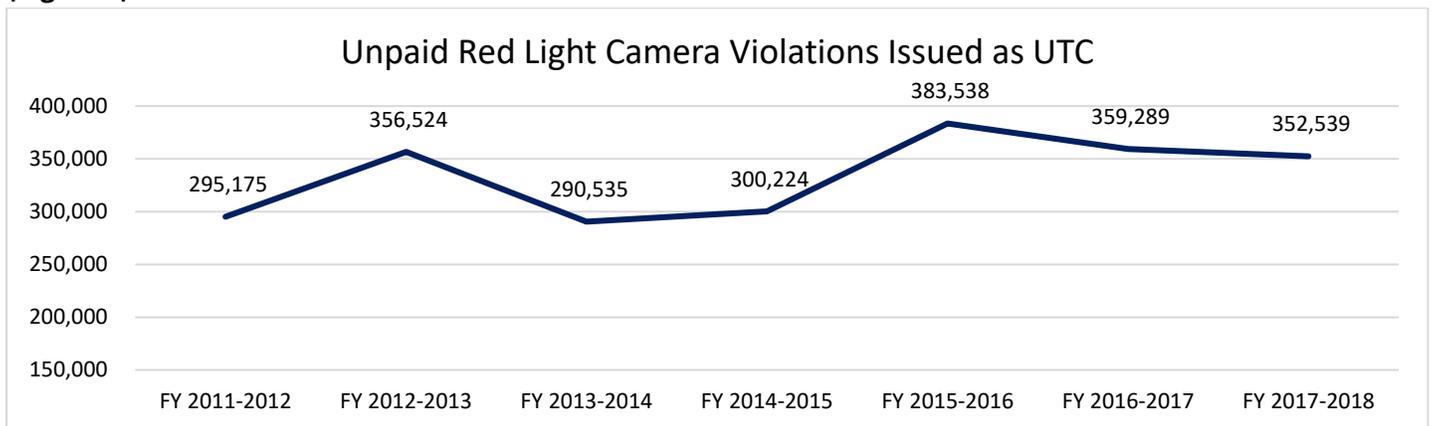
(Figure 1)



NOV data self-reported by jurisdictions. Citation data collected from department database as of November 28, 2018.

Figure 1 shows the number of NOVs issued for red light camera violations over the past seven fiscal years (July 1 – June 30). The graph also depicts the number of citations for running a red light issued in-person by law enforcement. The number of NOVs issued for red light camera violations increased to its highest peak during the 2015-2016 fiscal year. The number of in-person citations reached its lowest point during the 2016-2017 fiscal year. During this reporting period (July 1, 2017 – June 30, 2018), NOVs fell one percent, while in-person traffic control device related citations rose four percent. As previously stated, the department must rely on self-reported information for the number of NOVs issued each year and more than 400,000 NOVs from FY 2017-2018 have an unknown status. In-person citations issued by law enforcement are submitted by the local jurisdiction through their respective county clerk and those citations are then remitted to the department as required by statute.

(Figure 2)



Citation data collected from department database as of November 28, 2018.

Figure 2 shows the number of unpaid red light camera violations resulting in a UTC. Similar to the number of NOVs issued, the number of NOVs issued as UTCs fell, but at a higher rate of three percent (compared to one percent) during FY 2017-2018.

Personnel

Jurisdictions were requested to identify who reviews the camera images before issuing NOVs, who reviews contested NOVs and who ultimately issues UTCs. Personnel categories included law enforcement officer, non-sworn government employee, non-sworn contractor employee (vendor) and other. Figure 3 reflects responses.

(Figure 3)

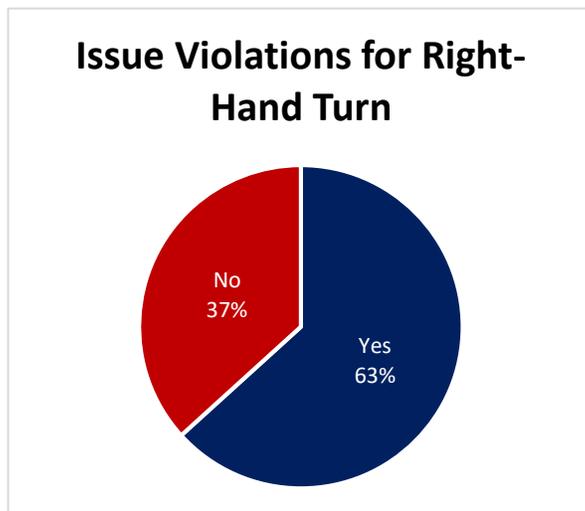
Personnel	Review Camera Images	Review Contested Notices of Violation	Issue Uniform Traffic Citations
Law Enforcement Officer	43	36	41
Non-Sworn Government Employee	23	19	18
Non-sworn Contractor Employee (Vendor)	5	3	0
Other (see Appendix F)	3	8	3

Note: Jurisdictions could select multiple options for each question so numbers do not sum to the total number of respondents. Data as reported by local jurisdictions in RLC survey.

Right-Hand Turns

Pursuant to section 316.0083, Florida Statutes:

- A NOV and UTC may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a careful and prudent manner at an intersection where right-hand turns are permissible.
- A NOV and UTC may not be issued under this section if the driver of the vehicle came to a complete stop after crossing the stop line and before turning right if permissible at a red light, but failed to stop before crossing over the stop line or other point at which a stop is required.



(Figure 4)

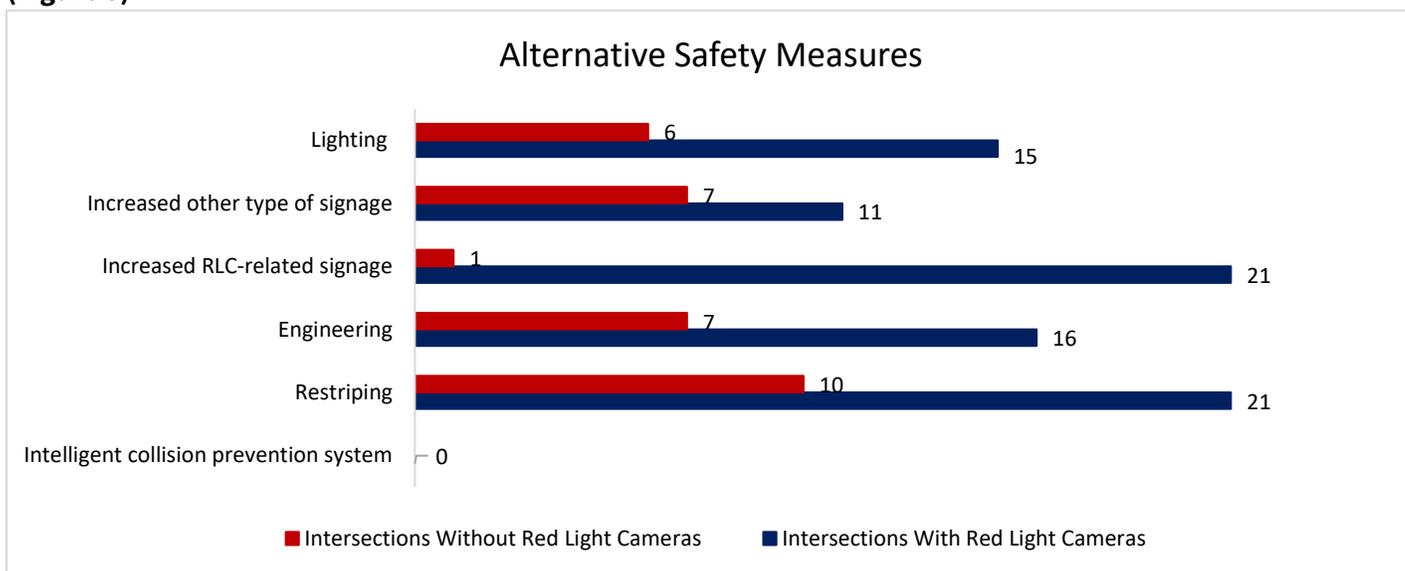
Data as reported by local jurisdictions in RLC survey.

The terms in this section of statute are left to the interpretation of each respective jurisdiction (see Appendix G for right turn definitions provided to the department). For FY 2017-2018, 63 percent (31 of 49) of the responding jurisdictions issued NOVs for persons making right turns on red signals. Eight jurisdictions indicated that they do not track the number of violations issued for right turns on red.

Alternative Safety Measures

The department also requested what other actions jurisdictions had taken to improve safety measures at intersections during the reporting period. Over sixty percent (30 of 49) of the jurisdictions indicated they had implemented at least one action. The results of this question are shown below in Figure 5 (see Appendix F for other responses).

(Figure 5)



Data as reported by local jurisdictions in RLC survey.

Other Survey Results (Data as reported by local jurisdictions in RLC survey)

Slightly less than half of the jurisdictions (22 of 49) reported court cases have impacted their red light camera program. Eight jurisdictions indicated they have conducted an independent red light camera analysis. Forty-three jurisdictions responded they are continuing their program in FY 2018-2019. Forty jurisdictions responded they report crashes electronically, three report via paper, and six submit both. One jurisdiction indicated they moved the location of a red light camera during the reporting period, while another jurisdiction temporarily suspended a red light camera’s operation during construction and subsequently reactivated the camera.

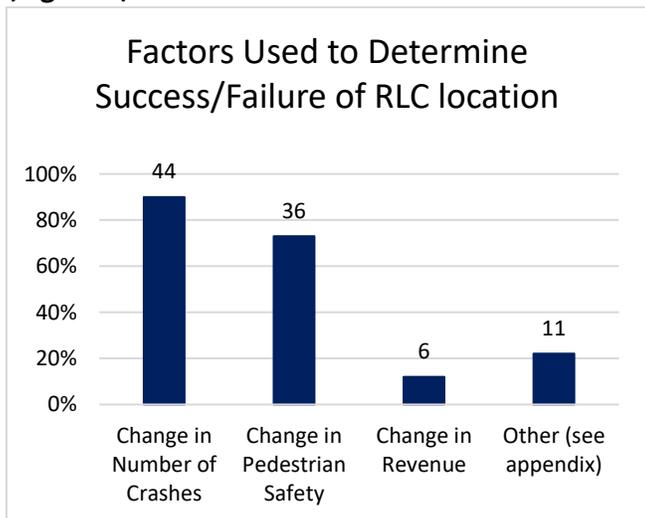
(Figure 6)

Red Light Camera Vendor	Number of Jurisdictions
American Traffic Solutions	36
Redflex	6
Sensys Gatso Group	5
Conduent	2
RedSpeed USA	2

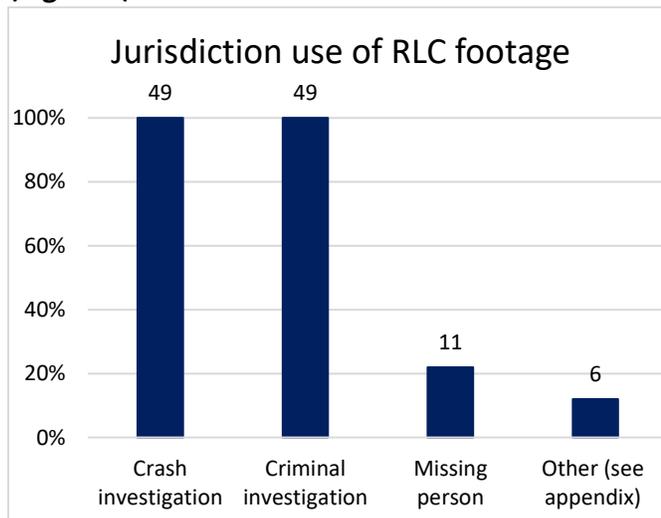
One jurisdiction reported their contract ended with American Traffic solutions on February 28, 2018, at which time RedSpeed USA become the red light camera vendor.

Figure 7 shows factors used to determine the success or failure of red light camera locations as reported by jurisdictions. Figure 8 shows other uses of red light camera footage reported by jurisdictions.

(Figure 7)

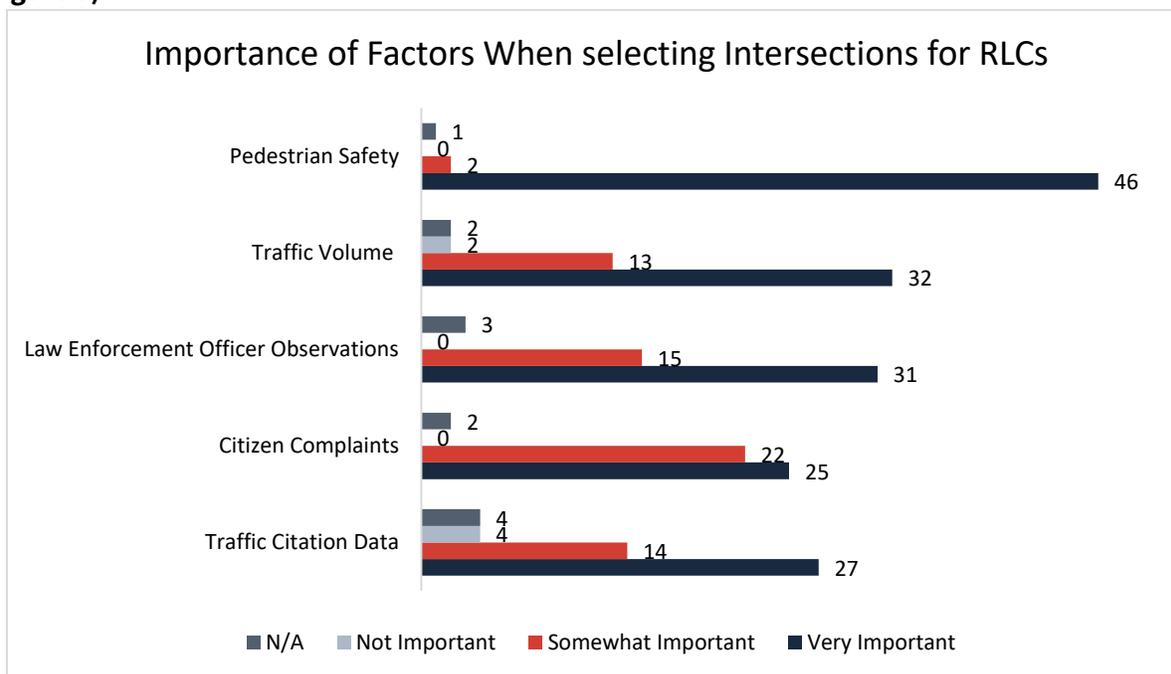


(Figure 8)



Jurisdictions were asked to rank the importance of various factors when selecting intersections to install red light cameras. The results are shown in Figure 9.

(Figure 9)



Data as reported by local jurisdictions in RLC survey.

Part 2 Crash Analysis

Similar to the previous fiscal year report, jurisdictions self-reported the dates of operation and locations of intersections with red light cameras. Intersections were selected to be included in the crash analysis based on their dates of operation, as the Florida Traffic Crash Report was changed in 2012. Taking input from jurisdictions who operate red light camera programs, the department refined its methodology to only include crashes that occurred on or after July 1, 2012. Therefore, intersections were only included if the activation date was between January 2013 and April 2018, allowing at least six months before and after the date the camera was activated. In total, 168 intersections were included in the crash analysis from 31 jurisdictions.

Crashes occurring within 250 feet of the center of the intersection were analyzed before and after the installation of camera(s) at each intersection. Figure 10 shows the breakdown of crashes analyzed based on their distance from the center of the intersection.

(Figure 10)

Feet from Intersection	Number of Crashes	Percent of Total	Running Total
0	6,215	32.44%	32.44%
1-50	7,054	36.82%	69.26%
51-100	2,968	15.49%	84.75%
101-150	896	4.68%	89.43%
151-200	1,457	7.60%	97.03%
201-250	569	2.97%	100%
Grand Total	19,159	100%	

Measures were taken to exclude crashes that occurred anywhere other than the roadway, such as parking lots. The before and after periods used for analysis were unique to each intersection based on the dates of operation, with an equal number of days within each window. Crashes were broken down by manner of collision (angle or rear-end), injury severity, inclusion of a non-motorist (see Appendix D for definition), and whether the crash report indicated a driver ran a red light.

(Figure 11)

	Before RLC Installed	After RLC Installed	Percent Change
Total Crashes	8,907	10,252	15.10%
Angle Crashes	1,839	2,072	12.67%
Rear-End Crashes	4,841	5,451	12.60%
Crashes Involving Non-Motorists	230	230	0.00%
Crashes Involving Running a Red Light	304	304	0.00%
Non-Injury Crashes	6,425	7,622	18.63%
Injury Crashes	2,463	2,609	5.93%
Fatal crashes	19	21	

Data as provided by Signal Four Analytics using intersection location information reported by local jurisdictions.

Figure 11 shows the breakdown of crashes that occurred before and after the activation of red light cameras at intersections included in the analysis. Similar to last year, the department incorporated an algorithm to exclude crashes that occurred outside of the roadway. Reference Appendix A for a more detailed breakdown of crashes by reporting jurisdiction. Appendix B is specific to crashes where the officer indicated a driver ran a red light, and Appendix C is specific to crashes involving non-motorists.

In 2017, the department expanded its partnership with local jurisdictions to improve the completeness and accuracy of crash report data. The crash analysis should be put into context of the overall complexity of the issue at hand, as many factors may contribute to the change in number of crashes outlined in this report.

One such factor is the increase in vehicle miles traveled (VMT). The probability of a crash occurring increases as people drive more, and VMT in Florida increased 14.66 percent from calendar years 2012 to 2017 (see Supplemental Resources). Another factor is the fluctuation in crash reports with accurate location information (latitude and longitude). In order to analyze crashes that occurred at certain intersections, it is necessary to know both the location of the intersection and the location of the crashes. Intersection locations (latitude and longitude) were submitted along with the survey; however, latitude and longitude are not included in every crash report.

Part 3

Recommendations

The following recommendations would allow for more accurate reporting of information that cannot currently be tracked through existing systems.

1. Require jurisdictions to track camera information including location (GPS coordinates) and dates of operation.
2. Require jurisdictions to provide the name of the red light camera administrator, their email address and telephone number at the end of each state fiscal year.
3. To ensure the ability to reconcile NOVs issued with monies remitted and UTC counts, require jurisdictions that end their red light camera operations to maintain all data regarding the program for a minimum of two years.
4. Require jurisdictions to track the issuance of NOVs, including the status of those violations (paid, contested, issued as UTC).
5. Require jurisdictions to track the issuance of NOVs for right-hand turns.
6. Require jurisdictions to report alternative safety countermeasures taken prior to and after the installation of red light cameras.
7. In accordance with Florida Statutes, the department will continue to review and report on the status and trends of the use and operation of red light cameras. To determine the enhancement of traffic safety, the department recommends a more thorough analysis be conducted by an independent organization using appropriate local and state agency resources.
8. The department will continue to collaborate with local jurisdictions operating red light camera programs to improve the data collection and reporting methodology associated with evaluation of the active programs across the state.
9. Create a standard for administering violations for right-hand turns on red signals. Define “careful and prudent manner” to allow for a uniform procedure statewide.

Supplemental Resources

- Department of Transportation’s [Traffic Infraction Detector Placement and Installation Specifications](#)
- Department of Transportation’s [Florida Highway Mileage Reports \(VMT\)](#)
- Department of Revenue’s [Tax Collections and Distributions](#)

Appendix A: Crashes Before and After Red Light Camera Implementation by Jurisdiction

Jurisdiction	# Intersections	Before	After	Total % Change	Ran Red Light Before	Ran Red Light After	Ran Red Light % Change	Rear-End Before	Rear-End After	Rear-End % change	Angle Before	Angle After	Angle % change
Aventura	1	43	114	165.12%	3	2	-33.33%	17	51	200.00%	11	29	163.64%
Boynton Beach	7	134	108	-19.40%	7	3	-57.14%	61	46	-24.59%	40	32	-20.00%
Coral Gables	3	63	78	23.81%	2	5	150.00%	30	35	16.67%	15	21	40.00%
Davie	1	15	4	-73.33%	0	1	-	4	2	-50.00%	2	1	-50.00%
Edgewood	2	27	32	18.52%	2	0	-100.00%	9	15	66.67%	6	4	-33.33%
Florida City	1	342	838	145.03%	18	26	44.44%	116	298	156.90%	90	216	140.00%
Gulf Breeze	1	1	9	800.00%	0	0	-	0	4	-	1	1	0.00%
Jacksonville	27	1,705	1,493	-12.43%	63	52	-17.46%	990	909	-8.18%	356	292	-17.98%
Kissimmee	1	37	38	2.70%	2	0	-100.00%	20	22	10.00%	8	5	-37.50%
Lakeland	6	107	146	36.45%	6	6	0.00%	62	88	41.94%	25	35	40.00%
Maitland	1	22	25	13.64%	0	0	-	12	13	8.33%	4	2	-50.00%
Manatee County	5	385	401	4.16%	9	9	0.00%	211	214	1.42%	72	89	23.61%
Medley	3	31	18	-41.94%	0	1	-	11	7	-36.36%	8	2	-75.00%
Miami	2	14	14	0.00%	4	1	-75.00%	5	6	20.00%	6	4	-33.33%
Miami Springs	2	14	19	35.71%	1	1	0.00%	4	4	0.00%	4	9	125.00%
Midway	2	25	13	-48.00%	1	0	-100.00%	6	3	-50.00%	6	3	-50.00%
Milton	2	10	21	110.00%	0	0	-	3	7	133.33%	1	6	500.00%
North Miami Beach	4	203	331	63.05%	4	1	-75.00%	95	157	65.26%	42	46	9.52%
Orange County	27	2,597	2,823	8.70%	66	86	30.30%	1,451	1,519	4.69%	524	586	11.83%
Orange Park	3	15	5	-66.67%	2	0	-100.00%	9	3	-66.67%	4	1	-75.00%
Orlando	15	996	974	-2.21%	42	41	-2.38%	541	496	-8.32%	228	210	-7.89%
Osceola County	8	546	710	30.04%	18	16	-11.11%	305	397	30.16%	100	137	37.00%
Palatka	2	10	13	30.00%	0	2	-	5	6	20.00%	2	1	-50.00%
Pembroke Pines	6	228	253	10.96%	8	5	-37.50%	130	176	35.38%	42	26	-38.10%
Pinecrest	6	360	330	-8.33%	9	7	-22.22%	240	213	-11.25%	45	33	-26.67%
Sarasota	6	103	78	-24.27%	3	2	-33.33%	53	35	-33.96%	28	23	-17.86%
South Miami	4	279	491	75.99%	3	8	166.67%	153	265	73.20%	46	82	78.26%
Sunrise	5	140	261	86.43%	4	6	50.00%	74	139	87.84%	37	59	59.46%
Sweetwater	3	72	54	-25.00%	1	5	400.00%	19	18	-5.26%	20	14	-30.00%
Tamarac	8	280	416	48.57%	19	9	-52.63%	140	228	62.86%	49	65	32.65%
Tampa	4	103	142	37.86%	7	9	28.57%	65	75	15.38%	17	38	123.53%
Grand Total	168	8,907	10,252	15.10%	304	304	0.00%	4,841	5,451	12.60%	1,839	2,072	12.67%

Note: Percent change was calculated using the difference between the before and after crashes divided by the before number. Percent change from zero is shown as “-“.

Appendix A: Crashes Before and After Red Light Camera Implementation by Jurisdiction

Jurisdiction	# Intersections	Non-Injury Before	Non-injury After	Non-Injury % Change	Injury Before	Injury After	Injury % Change	Fatal Before	Fatal After
Aventura	1	26	93	257.69%	17	21	23.53%	0	0
Boynton Beach	7	102	89	-12.75%	31	19	-38.71%	1	0
Coral Gables	3	55	62	12.73%	8	16	100.00%	0	0
Davie	1	14	4	-71.43%	1	0	-100.00%	0	0
Edgewood	2	19	23	21.05%	8	9	12.50%	0	0
Florida City	1	252	669	165.48%	89	169	89.89%	1	0
Gulf Breeze	1	1	7	600.00%	0	2	-	0	0
Jacksonville	27	1,239	1,028	-17.03%	459	460	0.22%	7	5
Kissimmee	1	26	28	7.69%	11	9	-18.18%	0	1
Lakeland	6	64	95	48.44%	43	51	18.60%	0	0
Maitland	1	19	20	5.26%	3	5	66.67%	0	0
Manatee County	5	250	270	8.00%	134	130	-2.99%	1	1
Medley	3	28	15	-46.43%	3	3	0.00%	0	0
Miami	2	10	11	10.00%	4	3	-25.00%	0	0
Miami Springs	2	10	16	60.00%	4	3	-25.00%	0	0
Midway	2	11	7	-36.36%	13	6	-53.85%	1	0
Milton	2	8	12	50.00%	2	9	350.00%	0	0
North Miami Beach	4	152	265	74.34%	50	64	28.00%	1	2
Orange County	27	1,953	2,163	10.75%	641	657	2.50%	3	3
Orange Park	3	8	2	-75.00%	7	3	-57.14%	0	0
Orlando	15	694	711	2.45%	300	262	-12.67%	2	1
Osceola County	8	366	489	33.61%	180	218	21.11%	0	3
Palatka	2	7	9	28.57%	3	4	33.33%	0	0
Pembroke Pines	6	181	194	7.18%	46	59	28.26%	1	0
Pinecrest	6	294	283	-3.74%	66	47	-28.79%	0	0
Sarasota	6	55	50	-9.09%	48	28	-41.67%	0	0
South Miami	4	226	406	79.65%	52	81	55.77%	1	4
Sunrise	5	76	190	150.00%	64	71	10.94%	0	0
Sweetwater	3	63	45	-28.57%	9	9	0.00%	0	0
Tamarac	8	175	292	66.86%	105	124	18.10%	0	0
Tampa	4	41	74	80.49%	62	67	8.06%	0	1
Grand Total	168	6,425	7,622	18.63%	2,463	2,609	5.93%	19	21

Note: Percent change was calculated using the difference between the before and after crashes divided by the before number. Percent change from zero is shown as “-“.

Appendix B: Crashes Involving Running Red Light

Jurisdiction	# Intersections	Before	After	Non-Motorist Before	Non-Motorist After	Front to Rear Before	Front to Rear After	Angle Before	Angle After
Aventura	1	3	2	0	0	0	0	2	1
Boynton Beach	7	7	3	0	0	0	0	6	2
Coral Gables	3	2	5	0	0	0	0	1	5
Davie	1	0	1	0	0	0	1	0	0
Edgewood	2	2	0	0	0	1	0	1	0
Florida City	1	18	26	0	0	4	2	12	13
Gulf Breeze	1	0	0	0	0	0	0	0	0
Jacksonville	27	63	52	0	0	2	0	49	39
Kissimmee	1	2	0	0	0	0	0	2	0
Lakeland	6	6	6	0	0	0	0	6	6
Maitland	1	0	0	0	0	0	0	0	0
Manatee County	5	9	9	0	0	0	0	7	8
Medley	3	0	1	0	0	0	0	0	0
Miami	2	4	1	0	0	0	0	4	0
Miami Springs	2	1	1	0	0	0	0	1	1
Midway	2	1	0	0	0	0	0	0	0
Milton	2	0	0	0	0	0	0	0	0
North Miami Beach	4	4	1	0	0	0	0	4	1
Orange County	27	66	86	1	1	1	4	49	64
Orange Park	3	2	0	0	0	0	0	2	0
Orlando	15	42	41	0	2	1	0	33	29
Osceola County	8	18	16	0	0	0	0	13	15
Palatka	2	0	2	0	0	0	0	0	1
Pembroke Pines	6	8	5	0	0	0	1	6	3
Pinecrest	6	9	7	0	0	0	0	6	6
Sarasota	6	3	2	0	0	0	0	2	2
South Miami	4	3	8	1	2	0	1	2	3
Sunrise	5	4	6	0	0	0	0	4	5
Sweetwater	3	1	5	0	0	1	0	0	1
Tamarac	8	19	9	0	0	1	0	10	6
Tampa	4	7	9	0	1	0	1	5	7
Grand Total	168	304	304	2	6	11	10	227	218

Appendix B: Crashes Involving Running Red Light

Jurisdiction	# Intersections	Non-Injury Before	Non-injury After	Injury Before	Injury After	Fatal Before	Fatal After
Aventura	1	1	2	2	0	0	0
Boynton Beach	7	4	1	3	2	0	0
Coral Gables	3	0	0	2	5	0	0
Davie	1	0	1	0	0	0	0
Edgewood	2	0	0	2	0	0	0
Florida City	1	12	20	6	6	0	0
Gulf Breeze	1	0	0	0	0	0	0
Jacksonville	27	28	26	33	25	2	1
Kissimmee	1	1	0	1	0	0	0
Lakeland	6	3	2	3	4	0	0
Maitland	1	0	0	0	0	0	0
Manatee County	5	3	1	6	7	0	1
Medley	3	0	0	0	1	0	0
Miami	2	4	0	0	1	0	0
Miami Springs	2	0	1	1	0	0	0
Midway	2	0	0	1	0	0	0
Milton	2	0	0	0	0	0	0
North Miami Beach	4	2	1	2	0	0	0
Orange County	27	33	36	33	50	0	0
Orange Park	3	0	0	2	0	0	0
Orlando	15	18	17	24	24	0	0
Osceola County	8	10	4	8	12	0	0
Palatka	2	0	1	0	1	0	0
Pembroke Pines	6	5	1	3	4	0	0
Pinecrest	6	5	3	4	4	0	0
Sarasota	6	1	1	2	1	0	0
South Miami	4	0	4	3	3	0	1
Sunrise	5	2	3	2	3	0	0
Sweetwater	3	1	2	0	3	0	0
Tamarac	8	11	2	8	7	0	0
Tampa	4	2	1	5	7	0	1
Grand Total	168	146	130	156	170	2	4

Appendix C: Crashes Involving Non-Motorists

Jurisdiction	# Intersections	Non-Motorist Before	Non-Motorist After
Aventura	1	3	3
Boynton Beach	7	3	2
Coral Gables	3	1	2
Davie	1	0	0
Edgewood	2	0	0
Florida City	1	12	29
Gulf Breeze	1	0	1
Jacksonville	27	31	30
Kissimmee	1	1	3
Lakeland	6	6	4
Maitland	1	1	0
Manatee County	5	20	9
Medley	3	1	0
Miami	2	0	1
Miami Springs	2	0	0
Midway	2	1	0
Milton	2	0	0
North Miami Beach	4	5	7
Orange County	27	67	65
Orange Park	3	1	1
Orlando	15	17	18
Osceola County	8	9	12
Palatka	2	2	1
Pembroke Pines	6	2	1
Pinecrest	6	2	3
Sarasota	6	10	3
South Miami	4	11	12
Sunrise	5	9	5
Sweetwater	3	2	3
Tamarac	8	11	9
Tampa	4	2	6
Grand Total	168	230	230

Appendix D: Glossary of Terms

Angle Crash	A crash where two vehicles impact at an angle. For example, the left front of one vehicle impacts the side of another vehicle.
Rear-End Crash	A crash where the front of one vehicle impacts the back of another vehicle.
Non-Injury Crash	A crash where no persons involved were injured.
Injury Crash	A crash where any person involved complained of or showed any visible signs of injury.
Fatal Crash	A crash where any person involved dies within a 30 day period after the crash occurred.
Non-Motorist	Any person other than an occupant of a motor vehicle in transport. This includes pedestrians, occupants of other motor vehicles not in transport and occupants of transport vehicles other than motor vehicles.

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey

Welcome to the Florida Department of Highway Safety and Motor Vehicles 2018 Red Light Camera Survey

Thank you for taking the time to complete the following survey to the best of your knowledge.

Please provide your answers by October 1, 2018.

Remember to **submit** the supplemental **'Red Light Camera and Intersection Information Table'** by **October 1, 2018**.

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey	
Responder Information	
* 1. Name of respective jurisdiction (city or county) you represent:	
<input type="text"/>	
* 2. What department oversees the red light camera program in your respective jurisdiction?	
<input type="text"/>	
* 3. Provide the contact information of the person completing this survey:	
Name	<input type="text"/>
Agency	<input type="text"/>
Email Address	<input type="text"/>
Phone Number	<input type="text"/>
* 4. Has your respective jurisdiction operated red light cameras within the reporting period of July 1, 2017 - June 30, 2018 ?	
<input type="radio"/> Yes	
<input type="radio"/> No	

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey
Program Information
<p>* 5. What red light camera vendor(s) does your respective jurisdiction use?</p> <p><input type="checkbox"/> American Traffic Solutions (ATS)</p> <p><input type="checkbox"/> Redflex</p> <p><input type="checkbox"/> Xerox</p> <p><input type="checkbox"/> Other (please specify; answers limited to 300 characters)</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>
<p>* 6. As of July 1, 2017, how many red light cameras were operational in your respective jurisdiction? (answer must be a number)</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
<p>* 7. As of June 30, 2018, how many red light cameras were operational in your respective jurisdiction? (answer must be a number)</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
<p>* 8. As of July 1, 2017, at how many intersections were red light cameras operational in your respective jurisdiction? (answer must be a number)</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
<p>* 9. As of June 30, 2018, at how many intersections were red light cameras operational in your respective jurisdiction? (answer must be a number)</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey	
Red Light Camera Violations	
<p>* 10. Please provide the following information regarding Notices of Violation issued for red light camera violations in your respective jurisdiction during the reporting period of July 1, 2017 - June 30, 2018. (answers must be a number; please enter or copy and paste 9999999 if you do not know)</p>	
Total #	<input type="text"/>
# Paid	<input type="text"/>
# Contested & pending	<input type="text"/>
# Contested & dismissed	<input type="text"/>
# Contested & upheld	<input type="text"/>
# Issued as UTC	<input type="text"/>
# Pending issuance as UTC	<input type="text"/>
<p>* 11. How many registration holds did your respective jurisdiction request as a result of red light camera violations during the reporting period of July 1, 2017 - June 30, 2018? (answers must be a number; please enter or copy and paste 9999999 if you do not know)</p>	
<input type="text"/>	
<p>* 12. How does your respective jurisdiction submit traffic crash data to the Florida Department of Highway Safety and Motor Vehicles?</p>	
<p><input type="radio"/> All Electronically</p>	
<p><input type="radio"/> All Paper</p>	
<p><input type="radio"/> Both</p>	
<p>* 13. In order to identify the number of repeat offenders, please provide the number of unique vehicle owners issued Notices of Violation for multiple red-light camera violations in your respective jurisdiction. This includes individuals issued multiple Notices of Violation over time, <u>not necessarily within the current reporting period</u>. (answer must be a number; please enter or copy and paste 9999999 if you do not know)</p>	
<input type="text"/>	

Appendix E: 2018 Red Light Camera Survey

* 14. Have **court cases impacted** your respective jurisdiction's **red light camera program**?

Yes

No

Please explain your above selection. (answers limited to 300 characters)

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey				
Program Information				
<p>* 15. Other than traffic crashes, please rank the following factors by importance when selecting which intersections to install red light cameras in your respective jurisdiction.</p>				
	Very Important	Somewhat Important	Not Important	N/A
Traffic citation data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizen complaints	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Law Enforcement Officer observations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Traffic volume	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pedestrian safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>Other (please specify; answers limited to 300 characters)</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>				
<p>* 16. Were any existing red light cameras relocated within your respective jurisdiction during the reporting period of July 1, 2017 - June 30, 2018?</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p>If yes, why? (answers limited to 300 characters)</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>				
<p>* 17. What factors are used to determine the success/failure of each camera location within your respective jurisdiction? (select all that apply)</p> <p><input type="checkbox"/> Change in number of crashes</p> <p><input type="checkbox"/> Change in pedestrian safety</p> <p><input type="checkbox"/> Change in revenue</p> <p><input type="checkbox"/> Other (please specify; answers limited to 300 characters)</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>				

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey
Procedures
<p>* 18. Who reviews the camera images before Notices of Violation are issued within your respective jurisdiction? (select all that apply)</p> <p><input type="checkbox"/> Law Enforcement Officer</p> <p><input type="checkbox"/> Non-sworn government employee</p> <p><input type="checkbox"/> Non-sworn contractor employee (vendor)</p> <p><input type="checkbox"/> Other (please specify; answers limited to 300 characters)</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>
<p>* 19. Who reviews contested Notices of Violation within your respective jurisdiction? (select all that apply)</p> <p><input type="checkbox"/> Law Enforcement Officer</p> <p><input type="checkbox"/> Non-sworn government employee</p> <p><input type="checkbox"/> Non-sworn contractor employee (vendor)</p> <p><input type="checkbox"/> Other (please specify; answers limited to 300 characters)</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>
<p>* 20. Who issues Uniform Traffic Citations if Notices of Violation are unpaid within your respective jurisdiction? (select all that apply)</p> <p><input type="checkbox"/> Law Enforcement Officer</p> <p><input type="checkbox"/> Non-sworn government employee</p> <p><input type="checkbox"/> Non-sworn contractor employee (vendor)</p> <p><input type="checkbox"/> Other (please specify; answers limited to 300 characters)</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey
Right turn
<p>* 21. Does your respective jurisdiction issue Notices of Violation (through red light camera detection) for persons making a right turn on red signal?</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p>

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey

Right turn (cont.)

- * 22. How many **Notices of Violation** were issued within your respective jurisdiction for right turn on **red** during the reporting period of **July 1, 2017 - June 30, 2018**? (answer must be a number; **please enter or copy and paste 9999999** if you do not know)

- * 23. Section 316.0083(1)(a), Florida Statutes, provides that, "A notice of violation and a traffic citation may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a **careful and prudent manner** at an intersection where right-hand turns are permissible."

Please provide the **definition used by your respective jurisdiction when determining if a violation should be issued**. (no character limit on this answer)

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey			
Additional Information			
* 24. What action(s) has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?			
	At intersection(s) with red light cameras	At intersection(s) without red light cameras	N/A
Intelligent collision prevention system (i.e. HALO technology)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Re-striping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increased red light camera-specific signage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increased other type of signage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify; answers limited to 300 characters)			
* 25. Has red light camera footage been used to investigate other crimes within your respective jurisdiction?			
<input type="radio"/> Yes <input type="radio"/> No			

Appendix E: 2018 Red Light Camera Survey

26. If **red light camera footage** has been **used to investigate other crimes** within your respective jurisdiction, please **select all that apply**. (if it has not, select N/A)

- Crash investigation
- Criminal investigation
- Missing person
- N/A
- Other (please specify; answers limited to 300 characters)

* 27. Is your respective jurisdiction **continuing** the **red light camera program** in **Fiscal Year 2018-2019**?

- Yes
- No

* 28. Has your respective jurisdiction **conducted** an independent **red light camera analysis**?

- Yes
- No

29. Please provide any **specifications/clarifications for any of your answers**. (no character limit on this answer)

Appendix E: 2018 Red Light Camera Survey

2018 Red Light Camera Survey

Thank you for completing the 2018 Red Light Camera Survey.

Remember to **submit** the supplemental '**Red Light Camera and Intersection Information Table**' by **October 1, 2018**.

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What Department oversees the red light camera program in your jurisdiction?	Provide the contact information of the person completing the survey				Has your jurisdiction operated red light cameras within the reporting period (July 1, 2017 - June 30, 2018)?
		Name	Agency	Email Address	Phone Number	
Duval County (Jacksonville, Florida) Consolidated	Jacksonville Sheriff's Office (JSO)	Lt. John Lamb	Jacksonville Sheriff's Office	john.lamb@jaxsheriff.org	904-630-7842	Yes
CORAL GABLES	POLICE DEPARTMENT	ALEX CASTELLO	CORAL GABLES	ACASTELLO@CORALGABLES.COM	305-722-8669	Yes
City of Palatka	Palatka Police Department Traffic Unti	Capt. T. Williams	Palatka Police Department	Twilliams@palatka-fl.gov	386-329-0115	Yes
Green Cove Springs	Green Cove Springs Police Department	Tammy D. Perry	Green Cove Springs Police Department	tperry@gcspd.com	(904) 529-2220	Yes
Florida City	Florida City Police Department	Shawn Edwards	Florida City Police Department	SEdwards@FloridaCityFL.gov	7863673238	Yes
City of Apopka	Police Department	Lieutenant Stephan Brick	Apopka Police Department	swbrick@apopka.net	407-703-1771	Yes
Bal Harbour Village	Police Department	Pamela Flanders-Alvin	Bal Harbour Police Department	pflanders@balharbourfl.gov	305-866-5000	Yes
City of Miami, Florida	Red Light Camera Enforcement Unit/ Administration Div.	Sgt. Kimberly A. Rodriguez #5942	City of Miami Police Dept.	5942@miami-police.org	305-603-6930	Yes
City of Homestead	Police Department	Lt. Maykel Acosta	Homestead Police Department	macosta@homesteadpolice.com	305-224-5455	Yes
City of Kissimmee	Traffic Enforcement Unit	Sergeant Omar Berrio	Kissimmee Police Department	oberrio@kissimmee.org	407-847-0176 x3128	Yes
Miami Springs	Police Department	Jimmy Deal	Miami Springs Police Department	jdeal@mspd.us	(305) 887-1444 ext. 115	Yes
Osceola County	Transportation & Transit	Danielle Balsler	Osceola County	Danielle.Balsler@osceola.org	407-742-0552	Yes
City of Boynton Beach	Traffic Unit	CSO A. Petriello #072	Boynton Beach Police Dept.	petrielloa@bbfl.us	561-742-6114	Yes
City of Opa-locka	Police Department/Traffic Unit	Ofc. Colin Josephs	City of Opa-locka Police Department	rlc@opalockapd.com	305-953-2877	Yes
Sarasota	Police	Bryan Graham	Sarasota Police Department	bryan.graham@sarasotafll.gov	941.954.7022	Yes
City of Sweetwater	Support Serices	steven lopez	Sweetwater Police Department	slopez@cityofsweetwater.fl.gov	3055529900	Yes
City of Orlando	Transportation Department	Raymond Rodriguez	Transportation Department	raymond.rodriguez@cityoforlando.net	(407)246-2487	Yes
City of Maitland	Police Department	Dawn D'Ambrosio	Maitland Police Department	ddambrosio@maitlandpd.org	407-875-2810	Yes
Midway	Midway Police Department	Sgt. Paul Deribas	Midway Police Department	paul.deribas@midwayflpd.com	850-554-2858	Yes
Sunrise	Police	Sgt Stephen Allen	Sunrise Police Department	sallen@sunrisefl.gov	954 746-3387	Yes
City of New Port Richey	Police Department	Kim Bogart	New Port Richey Police Deptment	bogartk@cityofnewportrichey.org	727.232.8912	Yes
Town of Davie	Police	John Wilson	Davie Police Department	John_Wilson@DavieFL.gov	954 6938342	Yes
City of Tamarac	Broward County Sheriff's Office	Barry Berhow	Broward County Sheriff's Office	Barry_Berhow@sheriff.org	954-247-6002	Yes

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What red light camera vendor(s) does your jurisdiction use?				As of July 1, 2017, how many RLCs were operational?	As of June 30, 2018, how many RLCs were operational?	Difference # RLCs	As of July 1, 2017, at how many intersections were RLCs operational?	As of June 30, 2018, at how many intersections were RLCs operational?	Difference # Intersections	Please provide the following information regarding NOV's issued for RLC violations in your jurisdiction between July 1, 2017 and June 30, 2018						
	American Traffic Solutions (ATS)	Redflex	Xerox	Other (please specify)							Total #	# Paid	# Contested & pending	# Contested & dismissed	# Contested & upheld	# Issued as UTC	# Pending issuance as UTC
	Duval County (Jacksonville, Florida) Consolidated		X									39	0	-39	24	0	-24
CORAL GABLES	X			RED SPEED	9	9	0	6	6	0	9,460	5,842	4	16	48	1,445	940
City of Palatka	X				6	0	-6	6	0	-6	2,270	2,270	17	0	13	1,191	Unknown
Green Cove Springs	X				5	5	0	3	3	0	11,489	8,108	18	7	84	2,432	Unknown
Florida City	X				7	6	-1	5	4	-1	32,250	16,986	286	165	277	11,756	Unknown
City of Apopka	X				12	21	9	9	10	1	33,961	22,305	44	20	915	8,896	Unknown
Bal Harbour Village	X				5	5	0	2	5	3	4,632	2,816	15	6	24	1,228	Unknown
City of Miami, Florida	X				106	0	-106	73	0	-73	125,457	78,407	31	399	1,449	40,856	Unknown
City of Homestead	X				4	0	-4	3	0	-3	2,669	1,445	1	6	47	1,066	Unknown
City of Kissimmee		X			17	19	2	9	10	1	21,087	13,857	31	24	118	5,990	1
Miami Springs	X				5	4	-1	4	3	-1	16,947	10,061	1,033	40	126	5,898	Unknown
Osceola County	X				15	15	0	8	9	1	12,429	8,108	10	33	58	3,705	Unknown
City of Boynton Beach	X				0	15	15	0	7	7	23,473	14,847	78	12	230	6,879	Unknown
City of Opa-locka	X				8	8	0	4	4	0	20,429	9,212	462	20	146	7,957	Unknown
Sarasota	X			Contract ended with ATS on 02/28/2018, at which time RedSpeed USA started their build.	23	20	-3	10	10	0	21,328	16,119	0	2	182	7,255	339
City of Sweetwater	X				1	6	5	1	4	3	35,576	21,699	55	178	412	9,851	Unknown
City of Orlando	X				39	44	5	21	24	3	64,921	44,199	383	22	148	15,804	Unknown
City of Maitland				Sensys Gatso Group	5	5	0	4	4	0	7,139	5,344	3	0	34	1,409	0
Midway				Sensys America	2	2	0	2	2	0	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Sunrise	X				13	13	0	10	10	0	38,796	19,478	Unknown	116	331	0	0
City of New Port Richey	X				5	5	0	4	4	0	15,371	10,585	33	18	178	3,122	Unknown
Town of Davie	X				5	5	0	4	4	0	4,845	2,321	23	6	80	2,394	113
City of Tamarac	X				15	8	-7	15	8	-7	24,817	13,605	33	3	214	7,610	Unknown

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	How many registration holds did your jurisdiction request as a result of RLC violations during the reporting period (July 1, 2017 - June 30, 2018)?	How does your jurisdiction submit crash data to the Department?	In order to identify the number of repeat offenders, please provide the number of distinct vehicle owners issued Notices of Violation for multiple red-light camera violations.	Have court cases impacted your red light camera program?	
				Response	Details
Duval County (Jacksonville, Florida) Consolidated	0	All Electronically	22,126	No	
CORAL GABLES	87	All Electronically	71	Yes	DRIVERS ARE MORE CAUTIOUS WHEN APPROACHING LIGHTED INTERSECTIONS
City of Palatka	0	All Electronically	Unknown	No	
Green Cove Springs	Unknown	All Paper	548	No	
Florida City	Unknown	Both	2,164	Yes	Yes. They have helped bring in more revenue.
City of Apopka	Unknown	All Electronically	2,930	No	
Bal Harbour Village	0	All Electronically	106	Yes	
City of Miami, Florida	474	Both	11,110	Yes	Hollywood v. Arem & Aventura C. Jimenez
City of Homestead	0	All Electronically	103	No	
City of Kissimmee	29	All Electronically	12,559	No	The red light camera program has been upheld in court.
Miami Springs	72	All Electronically	737	No	Not in any significant way.
Osceola County	Unknown	All Electronically	11,367	No	
City of Boynton Beach	88	All Electronically	1,914	Yes	City of Hollywood vs Arem; City of Aventura vs Jimenez; City of Oldsmar vs Trinh; City of Boynton Beach vs Boss; City of Boynton Beach vs Bacardi; Florida Supreme Court ruling
City of Opa-locka	Unknown	All Electronically	1,458	Yes	
Sarasota	42	All Electronically	1,059	No	
City of Sweetwater	0	All Electronically	Unknown	Yes	Tickets from 2 and 3 years ago under review now in court due to court decision.
City of Orlando	62	All Electronically	3,338	Yes	Supreme Court of Florida case: Luis Torres Jimenez vs State of Florida was favorable to the program.
City of Maitland	0	All Electronically	234	Yes	Court decisions affect the policies and procedures of our program.
Midway	Unknown	All Electronically	Unknown	No	
Sunrise	0	All Electronically	2,694	Yes	Not issuing UTC's
City of New Port Richey	0	Both	14,479	No	
Town of Davie	0	All Electronically	140	Yes	Since the Arem vs. Hollywood ruling by the 4th DCA, courts in Broward County are not hearing red light camera cases pending review by the Florida Supreme Court.
City of Tamarac	26	All Electronically	1,083	Yes	Adverse ruling by Broward County traffic hearing officer in 2014 still has all cases going to Broward County North Satellite Courthouse on hold due to several pending appeals still have not been resolved. Some of the speedy trial cases are being dismissed.

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Other than traffic crashes, please rank the following factors on importance when selecting which intersections to install RLCs						Were any existing RLCs relocated during the reporting period?	
	Traffic citation data	Citizen complaints	Law Enforcement Officer observations	Traffic volume	Pedestrian safety	Other (please specify)	Response	If yes, why?
Duval County (Jacksonville, Florida) Consolidate	Not Important	Somewhat Important	Somewhat Important	Somewhat Important	Very Important		No	
CORAL GABLES	Very Important	Very Important	Very Important	Very Important	Very Important		Yes	
City of Palatka	Very Important	Very Important	Very Important	Very Important	Very Important		No	
Green Cove Springs	Very Important	Very Important	Very Important	Very Important	Very Important		No	
Florida City	Very Important	Very Important	Very Important	Very Important	Very Important		No	
City of Apopka	Very Important	Very Important	Very Important	Very Important	Very Important		No	
Bal Harbour Village	Very Important	Very Important	Very Important	Very Important	Very Important		No	
City of Miami , Florida	Very Important	Very Important	Somewhat Important	Not Important	Very Important		No	
City of Homestead	N/A	N/A	N/A	N/A	N/A		No	
City of Kissimmee	Very Important	Somewhat Important	Somewhat Important	Very Important	Very Important		No	
Miami Springs	Very Important	Somewhat Important	Somewhat Important	Not Important	Very Important	The number of fatality, hit & run crashes and traffic crashes that occur at an intersection or approach.	No	
Osceola County	Not Important	Somewhat Important	Very Important	Very Important	Very Important		No	
City of Boynton Beach	Very Important	Somewhat Important	Very Important	Very Important	Very Important		No	
City of Opa-locka	Very Important	Somewhat Important	Very Important	Very Important	Very Important		No	
Sarasota	Very Important	Somewhat Important	Somewhat Important	Somewhat Important	Somewhat Important		No	
City of Sweetwater	Very Important	Somewhat Important	Somewhat Important	Somewhat Important	Very Important		No	
City of Orlando	Very Important	Somewhat Important	Somewhat Important	Somewhat Important	Very Important	Crash Data are the most useful tools toward support of road safety programs. The categories, drawings and narratives in the crash reports aid the Transportation Department in engineering safer roads. The officer filling out the crash report must be well trained on how to fill out the report properly. The officer must pay close attention to the details, and examine each category listed in the crash report. For the City of Orlando the crash report information is an important indicator as to where to utilize the proceeds spawned from the RLC Program, since all revenue after program expenses, are utilized for traffic safety improvements.	No	
City of Maitland	Very Important	Somewhat Important	Somewhat Important	Very Important	Very Important		No	
Midway	N/A	N/A	Very Important	Very Important	Very Important		No	
Sunrise	Somewhat Important	Very Important	Somewhat Important	Very Important	Very Important		No	
City of New Port Richey	Somewhat Important	Very Important	Very Important	Very Important	Very Important		No	
Town of Davie	Somewhat Important	Somewhat Important	Somewhat Important	Very Important	Very Important		No	
City of Tamarac	Somewhat Important	Somewhat Important	Somewhat Important	Somewhat Important	Very Important		No	

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What factors are used to determine the success/failure of each camera location within your respective jurisdiction? (select all that apply)				Who reviews the camera images before Notices of Violation are issued?			
	Change in number of crashes	Change in pedestrian safety	Change in revenue	Other (please specify)	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)	Other (please specify)
Duval County (Jacksonville, Florida) Consolidated	X	X			X		X	
CORAL GABLES	X	X			X	X		
City of Palatka	X	X			X			
Green Cove Springs	X		X		X		X	Vendor first then we review a second time before issuance.
Florida City	X	X	X		X			
City of Apopka	X	X			X	X		
Bal Harbour Village	X	X			X			
City of Miami, Florida	X				X			
City of Homestead				Program has remained the same since inception.	X			
City of Kissimmee	X	X			X	X		
Miami Springs	X	X		Increase or decrease in the number of violations issued over a specific period of time.	X	X		
Osceola County	X	X			X			
City of Boynton Beach	X			Number of Violations	X	X		
City of Opa-locka	X	X			X			
Sarasota	X			Change in onview citation numbers.	X	X		
City of Sweetwater	X	X			X			
City of Orlando	X	X		The reduction in the number of violations being issued at an Intersection approach is an important factor to consider. A reduction in violation indicates a change in driver behavior. One must also take into account the volume of traffic at that intersection approach. An increase in traffic volume, coupled with a reduction in violations is an ideal situation.		X		Orlando Police Department- State of Florida Certified Traffic Infraction Enforcement Officers with previous Law Enforcement Experience.
City of Maitland	X	X			X	X	X	
Midway	X	X	X		X			
Sunrise	X	X			X	X		
City of New Port Richey	X	X				X		
Town of Davie			X	Changes in the number of notice of violations issued.		X		
City of Tamarac	X	X		reduction in repeat offenders	X			Certified, non-sworn law enforcement traffic infraction enforcement officer

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Who reviews contested Notices of Violation? (select all that apply)				Who issues Uniform Traffic Citations if Notices of Violation are unpaid? (select all that apply)			
	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)	Other (please specify)	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)	Other (please specify)
Duval County (Jacksonville, Florida) Consolidated	X				X			
CORAL GABLES	X	X			X	X		
City of Palatka	X				X			
Green Cove Springs	X				X			
Florida City	X				X			
City of Apopka	X	X			X	X		
Bal Harbour Village	X				X			
City of Miami , Florida	X				X			
City of Homestead			X		X			
City of Kissimmee		X			X	X		
Miami Springs	X				X			
Osceola County	X				X			
City of Boynton Beach	X	X			X	X		
City of Opa-locka	X				X			
Sarasota	X				X	X		
City of Sweetwater			X	Hired Magistrate	X			
City of Orlando		X		Orlando Police Department State of Florida Certified Traffic Infraction Enforcement Officers with previous Law Enforcement Experience.		X		Orlando Police Department- State of Florida Certified Traffic Infraction Enforcement Officer with previous Law Enforcement Experience.
City of Maitland	X	X	X	Legal Advisor	X	X		
Midway		X			X			
Sunrise	X	X						Presently not issuing
City of New Port Richey		X				X		
Town of Davie				Attorney, member of the Florida Bar who sits as the Town's magistrate for municipal hearings.		X		
City of Tamarac	X			Certified, non-sworn law enforcement traffic infraction enforcement officer	X			Certified, non-sworn law enforcement traffic infraction enforcement officer

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Are Notices of Violation (via RLC detection) issued for persons making a right turn on red signal?	# of NOV's issued for right turns on red during the reporting period? (July 1, 2017 - June 30, 2018)	What action(s) has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?		
			Intelligent collision prevention system at intersection(s) w/ RLC	Intelligent collision prevention system at intersection(s) w/o RLC	Intelligent collision prevention system N/A
Duval County (Jacksonville, Florida) Consolidated	No				X
CORAL GABLES	Yes	48			X
City of Palatka	No				X
Green Cove Springs	Yes	540			X
Florida City	Yes	20,772			X
City of Apopka	Yes	12,662			X
Bal Harbour Village	Yes	214			X
City of Miami, Florida	No				X
City of Homestead	Yes	1,645			X
City of Kissimmee	Yes	5,723			X
Miami Springs	Yes	6,857			X
Osceola County	Yes	66			X
City of Boynton Beach	No				X
City of Opa-locka	Yes	9,481			X
Sarasota	No				X
City of Sweetwater	Yes	32,013			X
City of Orlando	No				X
City of Maitland	Yes	Unknown			X
Midway	Yes	Unknown			X
Sunrise	Yes	22,612			X
City of New Port Richey	Yes	106			X
Town of Davie	No				X
City of Tamarac	Yes	15,922			X

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What action(s) has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?								
	Re-striping - at intersection(s) w/ RLC	Re-striping - at intersection(s) w/o RLC	Re-striping - N/A	Engineering - at intersection(s) w/ RLC	Engineering - at intersection(s) w/o RLC	Engineering N/A	Lighting at intersection(s) w/ RLC	Lighting at intersection(s) w/o RLC	Lighting N/A
Duval County (Jacksonville, Florida) Consolidated			X			X			X
CORAL GABLES			X			X			X
City of Palatka			X			X			X
Green Cove Springs			X			X			X
Florida City			X			X			X
City of Apopka	X			X			X		
Bal Harbour Village			X			X			X
City of Miami, Florida	X	X				X			X
City of Homestead			X			X			X
City of Kissimmee	X			X			X		
Miami Springs	X			X					X
Osceola County			X			X			X
City of Boynton Beach			X			X			X
City of Opa-locka	X			X			X		
Sarasota			X			X			X
City of Sweetwater			X			X			X
City of Orlando	X			X			X		
City of Maitland			X			X			X
Midway			X			X			X
Sunrise	X	X		X	X				X
City of New Port Richey			X			X			X
Town of Davie			X			X			X
City of Tamarac			X			X			X

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What action(s) has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?						
	Increased red light camera-specific signage at intersection(s) w/ RLC	Increased red light camera-specific signage at intersection(s) w/o RLC	Increased red light camera-specific signage - N/A	Increased other type of signage at intersection(s) w/ RLC	Increased other type of signage at intersection(s) w/o RLC	Increased other type of signage N/A	Other (please specify)
Duval County (Jacksonville, Florida) Consolidated			X			X	
CORAL GABLES			X			X	
City of Palatka			X			X	
Green Cove Springs			X			X	
Florida City			X			X	
City of Apopka	X					X	
Bal Harbour Village	X			X			
City of Miami , Florida	X			X			
City of Homestead			X			X	
City of Kissimmee	X					X	
Miami Springs			X	X	X		
Osceola County			X			X	
City of Boynton Beach			X			X	social media
City of Opa-locka	X			X			
Sarasota			X			X	
City of Sweetwater	X					X	
City of Orlando	X			X			The City of Orlando has created a Transportation Department. Orlando Stops Traffic Safety Program is housed in this department. All proceeds (after operational expenses have been met) go towards traffic safety improvement and initiatives. The City of Orlando has also adopted Vision Zero Orlando, an initiative funded by Orlando Stops.
City of Maitland			X			X	
Midway	X					X	
Sunrise	X				X		
City of New Port Richey			X			X	
Town of Davie	X					X	Additional signage placed on mastarms.
City of Tamarac			X			X	

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Has red light camera footage been used to investigate other crimes?	If RLC footage has been used to investigate other crimes, please select all that apply					Is your respective jurisdiction continuing the red light camera program in Fiscal Year 2018-2019?	Has your respective jurisdiction conducted an independent red light camera analysis?
		Crash investigation	Criminal investigation	Missing person	N/A	Other (please specify)		
Duval County (Jacksonville, Florida) Consolidated	Yes	X	X	X			No	Yes
CORAL GABLES	Yes	X	X				Yes	No
City of Palatka	Yes	X	X				No	No
Green Cove Springs	Yes	X	X			88 total requests	Yes	No
Florida City	Yes	X	X				Yes	No
City of Apopka	Yes	X	X				Yes	Yes
Bal Harbour Village	Yes	X	X				Yes	No
City of Miami, Florida	Yes	X	X	X			No	No
City of Homestead	Yes	X	X				No	No
City of Kissimmee	Yes	X	X				Yes	Yes
Miami Springs	Yes	X	X			Internal Investigations	Yes	No
Osceola County	Yes	X	X				Yes	Yes
City of Boynton Beach	Yes	X	X				Yes	No
City of Opa-locka	Yes	X	X				No	No
Sarasota	Yes	X	X	X			Yes	No
City of Sweetwater	Yes	X	X				Yes	No
City of Orlando	Yes	X	X	X		A total of 59 requests were used to investigate other crimes	Yes	No
City of Maitland	Yes	X	X	X			Yes	Yes
Midway	Yes	X	X				Yes	No
Sunrise	Yes	X	X				Yes	Yes
City of New Port Richey	Yes	X	X				Yes	No
Town of Davie	Yes	X	X				Yes	No
City of Tamarac	Yes	X	X	X		Accidents: 67, Robbery: 10, Accident Fatality: 4, Police Investigation: 60, Accident Hit&Run: 14 Total requests: 155	Yes	No

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Please provide any specifications/clarifications for any of your answers.
Duval County (Jacksonville, Florida) Consolidated	
CORAL GABLES	-----
City of Palatka	
Green Cove Springs	
Florida City	
City of Apopka	N/A
Bal Harbour Village	
City of Miami, Florida	
City of Homestead	
City of Kissimmee	
Miami Springs	
Osceola County	3 cameras will be relocated in FY19, 2 intended cameras were never installed due to construction project cancelled
City of Boynton Beach	
City of Opa-locka	
Sarasota	
City of Sweetwater	N/A
City of Orlando	<p>Q13: Repeat Offenders are tracked by DMV Tags; some of these tags are rental vehicles as well as commercial vehicles, i.e. truck, bus, and taxi operators/drivers. These vehicles are continuously being assigned to different drivers. Rental vehicles for example are in constant rental rotation, with various drivers using the same Florida tag. So, it may not be the same driver or operator exhibiting a repeated negative behavior. Q15, Q17, Q24: Crash Data are very useful tools to support the implementation, continuance, improvements of Red Light Cameras devices. The collection and analyzing of traffic crash data aims at gaining a better understanding of traffic operational problems. In order to obtain an accurate and informed verdict on the effectiveness of Red Light Cameras, the City of Orlando considers the following three questions: 1. Does the crash have anything to do with the red traffic signal? In order to find the answer to this question the officer's crash report narrative must be closely scrutinized. Only after the facts are obtained can we make an accurate determination of the crash type, i.e. rear-end collision while vehicle in front was stationary, sideswipe, exit from driveway, etc. 2. Is the crash in same directional approach, and in relation with the directional approach of the camera? Ex: If there is a northbound camera, and the crash occurred on the westbound approach. Provided there is no camera in the westbound approach, that crash should not reflect on the northbound camera. 3. What is the year-to-year traffic volume count of that particular approach, intersection and road way? Increased road-users equals increase in incidents, including crashes.</p>
City of Maitland	
Midway	N/A
Sunrise	
City of New Port Richey	N/A
Town of Davie	
City of Tamarac	Q24: No information provided by Broward County Traffic Engineering in regards to improvements

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What Department oversees the red light camera program in your jurisdiction?	Provide the contact information of the person completing the survey				Has your jurisdiction operated red light cameras within the reporting period (July 1, 2017 - June 30, 2018)?
		Name	Agency	Email Address	Phone Number	
Orange Park FL (Clay)	Orange Park Police Department	Gary Goble	Orange Park Police Department	ggoble@townop.com	904-278-3006	Yes
Orange County	Public Works	Martina Desjardins	Orange County Traffic Engineering	martina.desjardins@ocfl.net	407-836-7847	Yes
City of Clearwater	Clearwater Police/Traffic/Special Operations	Sgt. Stephen Wannos	Clearwater Police Department	stephen.wannos@myclearwater.com	7272247261	Yes
TOWN OF SURFSIDE	SURFSIDE POLICE DEPARTMENT	CAPTAIN JOHN BAMBIS	SURFSIDE POLICE DEPARTMENT	JBAMBIS@TOWNOFSURFSIDEFL.GOV	305-861-4862	Yes
City of Winter Park	Special Operations	Samuel Belfiore / Jeff Hershone	Winter Park Police Department	sbelfiore@cityofwinterpark.org / jhershone@cityofwinterpark.org	407-643-1652 / 407-599-3365	Yes
City of West Park	Public Works	John Wilson	City of West Park	jwilson@cityofwestpark.org	954-931-2149	Yes
City of Aventura	Community Development Department	Joanne Carr	City of Aventura	jcarr@cityofaventura.com	305-466-8940	Yes
Village of Key Biscayne	Traffic Division	Lieutenant Brian Kemmerer	Key Biscayne Police Department	bkemmerer@kbpd.net	305-365-5555	Yes
Town of Medley	Police	John Wilson	Medley Police Department	Jwilson@medleypd.com	9549312149	Yes
City of South Miami	Police Department	John Barzola	South miami Police Department	jbarzola@southmiamifl.gov	3066636313	Yes
VILLAGE OF PINECREST	POLICE DEPARTMENT	J.C. GONZALEZ, T.I.E.O.	VILLAGE OF PINECREST POLICE DEPARTMENT	jgonzalez@pinecrest-fl.gov	(305)234-2100 x385	Yes
Pembroke Pines	Pembroke Pines Police Department	Susan Shechter	Pembroke Pines Police Department	sshechter@ppines.com	954-885-6072	Yes
West Miami Police	West Miami Police	Officer Fernandez	West Miami Police	fernandez@westmiamipolice.org	305-266-0530	Yes
City of Port Richey	Police Department	Ryan Runge	Port Richey Police Department	r.runge@cityofportrichey.com	727-809-3507	Yes
City of Tampa	Tampa Police Department	Lt. Patrick Messmer	Tampa Police Department	patrick.messmer@tampagov.net	813-276-3742	Yes
Lakeland Police Department	Lakeland Police Department	Chad Mumbauer	Lakeland Police Department	chad.mumbauer@lakelandgov.net	863-834-2580	Yes
City of Ocoee Police Department	Police Department	Scott Nylander	City of Ocoee Police Department	snylander@ocoe.org	407-554-7104	Yes
Miami Beach	Miami Beach Police Department Traffic Operations Unit	Sgt. David Price	Miami Beach Police Department	davidprice@miamibeachfl.gov	(305) 673-7888	Yes
Manatee County	Building & Development Services / Code Enforcement	Jeff Bowman	Manatee County	Jeff.Bowman@mymanatee.org	941-748-2071	Yes
City of North Miami Beach	Police Department	cso, Marie Noel	North Miami Beach Police Department	marie.noel@nmbpd.org	305-354-4460	Yes
City of Haines City FL	Haines City Police Department	Timothy E. Glover	Haines City Police Department	tglover@hainescitypd.com	863-421-3636 ext 2267	Yes
Milton, FL / Santa Rosa County	Patrol / Records	Katherine McDaniels	Milton Police Dept.	mcdanielskk@flcjin.net	8509835423	Yes
City of Edgewood	Police Dept - TIEO	Stacey Salemi	Edgewood Police Department	ssalemi@edgewood-fl.gov	407-851-2820	Yes
City of Gulf Breeze	Police Department	Richard Hawthorne	Gulf Breeze Police Department	rhawthorne@gulfbreezefl.gov	8502329714	Yes
Hillsborough County Sheriff's Office	Hillsborough County Sheriff's Office	Corporal Brandon Hartz	Hillsborough County Sheriff's Office	bhartz@hcsso.tampa.fl.us	813-247-0985	Yes
City of Miami Gardens	Traffic Unit	Officer Brian O'Malley	Miami Gardens Police Department	brian.omalley@mgpdf.org	305-474-1617	Yes

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What red light camera vendor(s) does your jurisdiction use?				As of July 1, 2017, how many RLCs were operational?	As of June 30, 2018, how many RLCs were operational?	Difference # RLCs	As of July 1, 2017, at how many intersections were RLCs operational?	As of June 30, 2018, at how many intersections were RLCs operational?	Difference # Intersections	Please provide the following information regarding NOV's issued for RLC violations in your jurisdiction between July 1, 2017 and June 30, 2018						
	American Traffic Solutions (ATS)	Redflex	Xerox	Other (please specify)							Total #	# Paid	# Contested & pending	# Contested & dismissed	# Contested & upheld	# Issued as UTC	# Pending issuance as UTC
	Orange Park FL (Clay)	X										7	8	1	3	3	0
Orange County	X				50	50	0	35	35	0	70,889	44,657	66	40	278	19,708	Unknown
City of Clearwater		X			3	3	0	3	3	0	15,219	10,687	22	6	194	3,276	97
TOWN OF SURFSIDE	X				5	0	-5	5	0	-5	1,794	1,794	1	10	11	820	Unknown
City of Winter Park				Sensys Gatso Group AB	8	8	0	6	6	0	19,712	14,790	81	45	152	3,425	1,053
City of West Park	X				5	5	0	4	4	0	5,321	2,151	47	10	65	2,753	Unknown
City of Aventura	X				15	15	0	7	7	0	41,576	25,343	95	109	505	11,688	Unknown
Village of Key Biscayne	X				4	4	0	3	3	0	1,449	1,095	7	0	6	170	0
Town of Medley	X				4	7	3	4	6	2	7,358	5,347	22	16	35	1,203	Unknown
City of South Miami		X			4	4	0	4	4	0	6,683	4,025	6	8	115	2,456	26
VILLAGE OF PINECREST		X			6	6	0	6	6	0	13,619	8,836	150	16	186	1,198	2,312
Pembroke Pines		X			0	8	8	0	6	6	8,155	5,676	0	10	111	1,520	0
West Miami Police	X				5	4	-1	5	4	-1	14,714	9,116	87	208	42	3,998	Unknown
City of Port Richey	X				5	5	0	2	2	0	6,999	4,969	21	2	38	866	Unknown
City of Tampa	X				50	54	4	21	21	0	87,129	55,138	420	171	1,099	24,820	Unknown
Lakeland Police Department	X				18	18	0	11	11	0	23,975	15,115	108	6	1,388	6,556	Unknown
City of Ocoee Police Department	X				7	7	0	4	4	0	8,705	5,171	22	44	77	2,781	Unknown
Miami Beach				Conduent	10	10	0	9	9	0	10,989	6,041	27	16	36	3,059	0
Manatee County				Conduent	10	10	0	7	7	0	15,078	10,506	6	10	33	2,381	58
City of North Miami Beach	X				4	4	0	3	3	0	21,232	10,455	33	44	143	7,776	Unknown
City of Haines City FL	X				13	11	-2	7	6	-1	18,460	13,352	20	9	80	4,309	Unknown
Milton, FL / Santa Rosa County	X				5	5	0	3	3	0	4,401	3,191	0	14	18	974	Unknown
City of Edgewood				GATSO	1	3	2	1	2	1	2,858	1,725	20	4	15	694	65
City of Gulf Breeze				Sensys America	6	6	0	3	3	0	7,816	6,347	0	0	9	1,461	Unknown
Hillsborough County Sheriff's Office	X				10	10	0	6	6	0	54,365	37,551	4,923	19	324	10,446	4,202
City of Miami Gardens	X				28	28	0	15	15	0	115,687	52,901	2	2,264	2,608	45,682	0

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	How many registration holds did your jurisdiction request as a result of RLC violations during the reporting period (July 1, 2017 - June 30, 2018)?	How does your jurisdiction submit crash data to the Department?	In order to identify the number of repeat offenders, please provide the number of distinct vehicle owners issued Notices of Violation for multiple red-light camera violations.	Have court cases impacted your red light camera program?	
				Response	Details
Orange Park FL (Clay)	32	All Paper	484	No	
Orange County	165	Both	3,945	Yes	
City of Clearwater	36	All Electronically	3,893	Yes	All initial violations and UTC reviewed by Traffic Infraction Officer (non sworn government employee)
TOWN OF SURFSIDE	0	All Electronically	85	No	
City of Winter Park	0	All Electronically	5,709	No	
City of West Park	0	All Electronically	158	Yes	Arem V Hollywood suspended all trials of red light camera cases. Cases were dismissed by the court until the Supreme Court ruling in May, 2018.
City of Aventura	49	All Electronically	Unknown	Yes	Jimenez v Aventura upheld by Florida Supreme Court
Village of Key Biscayne	0	All Electronically	50	No	
Town of Medley	0	All Electronically	313	Yes	Arem V. Hollywood postponed numerous prosecutions
City of South Miami	0	All Electronically	535	No	
VILLAGE OF PINECREST	31	All Electronically	1,343	Yes	ON MAY 3, 2018, THE FLORIDA SUPREME COURT RULED IN FAVOR OF THE RED LIGHT TRAFFIC SAFETY PROGRAMS. HENCE, ALL STAYED COURT CASES WERE RESCHEDULED WITHIN A SHORT AMOUNT OF TIME, CAUSING A HIGH VOLUME OF TRAFFIC COURT CASES.
Pembroke Pines	0	All Electronically	390	No	
West Miami Police	0	All Electronically	498	Yes	
City of Port Richey	0	Both	Unknown	No	
City of Tampa	Unknown	All Electronically	7,209	No	
Lakeland Police Department	Unknown	All Electronically	1,778	No	
City of Ocoee Police Department	0	All Electronically	501	Yes	Local and County Hearings
Miami Beach	38	All Electronically	11,594	No	
Manatee County	6	Both	6,970	No	
City of North Miami Beach	0	All Electronically	1,054	No	
City of Haines City FL	Unknown	All Electronically	858	No	
Milton, FL / Santa Rosa County	6	All Paper	153	No	
City of Edgewood	4	All Electronically	2,721	Yes	Each time a new ruling comes out, we make sure that our program follows all new ruling and will not be affected
City of Gulf Breeze	0	All Electronically	303	No	
Hillsborough County Sheriff's Office	300	All Electronically	3,212	No	
City of Miami Gardens	0	All Electronically	Unknown	Yes	We have experienced more hearings due to the inaccurate reporting of information by the media, stating that the cameras were taken down and were ruled to be illegal.

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Other than traffic crashes, please rank the following factors on importance when selecting which intersections to install RLCs						Were any existing RLCs relocated during the reporting period?	
	Traffic citation data	Citizen complaints	Law Enforcement Officer observations	Traffic volume	Pedestrian safety	Other (please specify)	Response	If yes, why?
Orange Park FL (Clay)	Somewhat Important	Somewhat Important	Very Important	Very Important	Very Important		No	
Orange County	Somewhat Important	Somewhat Important	N/A	Somewhat Important	Very Important		No	
City of Clearwater	Somewhat Important	Very Important	Very Important	Somewhat Important	Very Important		No	
TOWN OF SURFSIDE	Very Important	Somewhat Important	Very Important	Somewhat Important	Very Important		No	
City of Winter Park	Very Important	Somewhat Important	Very Important	Very Important	Very Important		No	
City of West Park	Somewhat Important	Somewhat Important	Somewhat Important	Somewhat Important	Very Important		No	
City of Aventura	N/A	Very Important	N/A	Very Important	Very Important		No	
Village of Key Biscayne	Somewhat Important	Very Important	Very Important	Very Important	Very Important		No	
Town of Medley	Somewhat Important	Somewhat Important	Somewhat Important	Somewhat Important	Very Important		No	
City of South Miami	Not Important	Somewhat Important	Very Important	Very Important	Very Important		No	
VILLAGE OF PINECREST	Very Important	Very Important	Very Important	Very Important	Very Important		No	
Pembroke Pines	Not Important	Very Important	Somewhat Important	Somewhat Important	Somewhat Important		No	
West Miami Police	Very Important	Very Important	Very Important	Very Important	Very Important		No	
City of Port Richey	Very Important	Very Important	Very Important	Very Important	Very Important		No	
City of Tampa	Very Important	Very Important	Very Important	Very Important	Very Important		No	
Lakeland Police Department	Very Important	Somewhat Important	Very Important	Somewhat Important	Very Important		No	
City of Ocoee Police Department	Very Important	Somewhat Important	Very Important	Very Important	Very Important		No	
Miami Beach	Very Important	Very Important	Very Important	Very Important	Very Important		No	
Manatee County	N/A	Very Important	Very Important	N/A	Very Important		No	
City of North Miami Beach	Somewhat Important	Very Important	Very Important	Very Important	Very Important		No	
City of Haines City FL	Very Important	Very Important	Very Important	Very Important	Very Important		No	
Milton, FL / Santa Rosa County	Very Important	Very Important	Very Important	Somewhat Important	Very Important		No	
City of Edgewood	Somewhat Important	Very Important	Somewhat Important	Very Important	Very Important		Yes	Not relocated, but removed due to constructed, and then put back up in the same location.
City of Gulf Breeze	Somewhat Important	Very Important	Very Important	Very Important	Very Important		No	
Hillsborough County Sheriff's Office	Very Important	Very Important	Very Important	Very Important	Very Important		No	
City of Miami Gardens	Somewhat Important	Somewhat Important	Very Important	Very Important	Very Important		No	

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What factors are used to determine the success/failure of each camera location within your respective jurisdiction? (select all that apply)				Who reviews the camera images before Notices of Violation are issued?			
	Change in number of crashes	Change in pedestrian safety	Change in revenue	Other (please specify)	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)	Other (please specify)
Orange Park FL (Clay)	X	X			X			
Orange County	X	X		changes in the number of violations	X	X	X	
City of Clearwater	X	X			X	X		
TOWN OF SURFSIDE	X	X			X			
City of Winter Park	X	X			X	X		
City of West Park			X			X		
City of Aventura	X				X			
Village of Key Biscayne	X	X			X			
Town of Medley			X			X		
City of South Miami	X	X			X			
VILLAGE OF PINECREST	X	X			X			
Pembroke Pines				Significant reduction in the number of violations observed at a given location would indicate success	X	X		
West Miami Police	X	X			X			
City of Port Richey	X	X			X			
City of Tampa	X	X			X			
Lakeland Police Department	X	X			X			
City of Ocoee Police Department	X	X			X	X		
Miami Beach	X	X			X	X		
Manatee County	X			The total number of violations issued annually and whether they are increasing or decreasing.	X			
City of North Miami Beach	X				X	X		
City of Haines City FL	X	X			X			
Milton, FL / Santa Rosa County	X			Number of notices issued and recidivism rate.	X			
City of Edgewood	X	X				X	X	
City of Gulf Breeze	X	X			X	X		
Hillsborough County Sheriff's Office	X	X			X			
City of Miami Gardens	X	X			X	X		

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Who reviews contested Notices of Violation? (select all that apply)				Who issues Uniform Traffic Citations if Notices of Violation are unpaid? (select all that apply)			
	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)	Other (please specify)	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)	Other (please specify)
Orange Park FL (Clay)	X				X			
Orange County	X	X			X	X		
City of Clearwater	X	X			X	X		
TOWN OF SURFSIDE	X				X			
City of Winter Park	X	X				X		
City of West Park		X				X		
City of Aventura	X				X			
Village of Key Biscayne	X				X			
Town of Medley		X				X		
City of South Miami				City Magistrate	X			
VILLAGE OF PINECREST	X				X			
Pembroke Pines	X	X			X	X		
West Miami Police	X				X			
City of Port Richey	X				X			
City of Tampa				City of Tampa hearing master	X			
Lakeland Police Department	X				X			
City of Ocoee Police Department	X	X			X	X		
Miami Beach	X	X			X			
Manatee County	X				X			
City of North Miami Beach	X	X			X	X		
City of Haines City FL	X				X			
Milton, FL / Santa Rosa County				City of Milton Hearing Officer	X			
City of Edgewood		X				X		
City of Gulf Breeze	X				X			
Hillsborough County Sheriff's Office	X				X			
City of Miami Gardens	X				X			

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Are Notices of Violation (via RLC detection) issued for persons making a right turn on red signal?	# of NOV's issued for right turns on red during the reporting period? (July 1, 2017 - June 30, 2018)	What action(s) has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?		
			Intelligent collision prevention system at intersection(s) w/ RLC	Intelligent collision prevention system at intersection(s) w/o RLC	Intelligent collision prevention system N/A
Orange Park FL (Clay)	Yes	1,343			X
Orange County	Yes	125			X
City of Clearwater	No				X
TOWN OF SURFSIDE	Yes	18			X
City of Winter Park	Yes	Unknown			X
City of West Park	No				X
City of Aventura	Yes	26,368			X
Village of Key Biscayne	Yes	15			X
Town of Medley	Yes	Unknown			X
City of South Miami	No				X
VILLAGE OF PINECREST	No				X
Pembroke Pines	No				X
West Miami Police	Yes	14,717			X
City of Port Richey	No				X
City of Tampa	Yes	6,167			X
Lakeland Police Department	Yes	4,870			X
City of Ocoee Police Department	Yes	6,469			X
Miami Beach	Yes	Unknown			X
Manatee County	Yes	Unknown			X
City of North Miami Beach	No				X
City of Haines City FL	No				X
Milton, FL / Santa Rosa County	No	0			X
City of Edgewood	No				X
City of Gulf Breeze	No				X
Hillsborough County Sheriff's Office	Yes	191			X
City of Miami Gardens	Yes	90,679			X

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What action(s) has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?								
	Re-striping - at intersection(s) w/ RLC	Re-striping - at intersection(s) w/o RLC	Re-striping - N/A	Engineering - at intersection(s) w/ RLC	Engineering - at intersection(s) w/o RLC	Engineering N/A	Lighting at intersection(s) w/ RLC	Lighting at intersection(s) w/o RLC	Lighting N/A
Orange Park FL (Clay)	X	X				X			X
Orange County	X			X			X		
City of Clearwater			X			X			X
TOWN OF SURFSIDE			X			X	X	X	
City of Winter Park		X			X				X
City of West Park			X			X			X
City of Aventura	X	X		X	X		X	X	
Village of Key Biscayne	X	X				X			X
Town of Medley	X			X			X		
City of South Miami			X			X			X
VILLAGE OF PINECREST			X			X			X
Pembroke Pines	X	X		X	X				X
West Miami Police			X			X			X
City of Port Richey	X					X	X		
City of Tampa	X			X			X		
Lakeland Police Department	X	X			X			X	
City of Ocoee Police Department	X	X		X	X		X	X	
Miami Beach	X			X			X		
Manatee County	X			X					X
City of North Miami Beach			X			X			X
City of Haines City FL.			X			X			X
Milton, FL / Santa Rosa County			X			X	X	X	
City of Edgewood	X			X			X		
City of Gulf Breeze			X			X			X
Hillsborough County Sheriff's Office			X			X			X
City of Miami Gardens	X	X		X	X		X	X	

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	What action(s) has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?						
	Increased red light camera-specific signage at intersection(s) w/ RLC	Increased red light camera-specific signage at intersection(s) w/o RLC	Increased red light camera-specific signage - N/A	Increased other type of signage at intersection(s) w/ RLC	Increased other type of signage at intersection(s) w/o RLC	Increased other type of signage N/A	Other (please specify)
Orange Park FL (Clay)			X			X	
Orange County	X			X			
City of Clearwater	X					X	
TOWN OF SURFSIDE			X	X	X		
City of Winter Park	X				X		The City placed "Stop Here on Red" signs at Lee Road @ Orlando Ave, WB Fairbanks Ave @ Orlando Ave and WB Aloma Ave @ NB Lakemont Ave.
City of West Park			X			X	Nothing this year.
City of Aventura		X			X		
Village of Key Biscayne			X	X	X		
Town of Medley	X			X			N.W. 74th Street has been completely re-engineered and re-built. The completion date is estimated at early 2019 at which time the cameras will be re-installed at the intersection of the Palmetto Expressway. Cameras have been re-installed at NW 79th Way.
City of South Miami	X					X	
VILLAGE OF PINECREST			X			X	CONSTANT MAINTENANCE OF RED LIGHT SIGNAGE, I.E. TREE/BRANCH TRIMMING. MONITOR "MONTHLY YELLOW LIGHT TIMING SEQUENCE TO COMPLY WITH FDOT MANDATE.
Pembroke Pines	X					X	
West Miami Police			X			X	
City of Port Richey	X					X	
City of Tampa			X			X	
Lakeland Police Department	X			X	X		
City of Ocoee Police Department			X			X	
Miami Beach	X					X	
Manatee County	X					X	
City of North Miami Beach			X			X	
City of Haines City FL			X			X	
Milton, FL / Santa Rosa County			X			X	
City of Edgewood			X	X			Added new flashing yellow light arrow for left hand turn lanes
City of Gulf Breeze			X			X	
Hillsborough County Sheriff's Office			X			X	
City of Miami Gardens	X					X	

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Has red light camera footage been used to investigate other crimes?	If RLC footage has been used to investigate other crimes, please select all that apply					Is your respective jurisdiction continuing the red light camera program in Fiscal Year 2018-2019?	Has your respective jurisdiction conducted an independent red light camera analysis?
		Crash investigation	Criminal investigation	Missing person	N/A	Other (please specify)		
Orange Park FL (Clay)	Yes	X	X				Yes	No
Orange County	Yes	X	X	X			Yes	No
City of Clearwater	Yes	X	X				Yes	No
TOWN OF SURFSIDE	Yes	X	X				No	No
City of Winter Park	Yes	X	X				Yes	No
City of West Park	Yes	X	X				Yes	No
City of Aventura	Yes	X	X				Yes	No
Village of Key Biscayne	Yes	X	X				Yes	No
Town of Medley	Yes	X	X				Yes	No
City of South Miami	Yes	X	X				Yes	No
VILLAGE OF PINECREST	Yes	X	X				Yes	No
Pembroke Pines	Yes	X	X	X		Citizen complaint	Yes	No
West Miami Police	Yes	X	X				Yes	No
City of Port Richey	Yes	X	X	X			Yes	Yes
City of Tampa	Yes	X	X	X			Yes	No
Lakeland Police Department	Yes	X	X				Yes	No
City of Ocoee Police Department	Yes	X	X				Yes	No
Miami Beach	Yes	X	X				Yes	No
Manatee County	Yes	X	X			Red light camera's have been used for traffic crashes involving injuries and homicides for time line and suspect identification.	Yes	No
City of North Miami Beach	Yes	X	X				Yes	No
City of Haines City Fl.	Yes	X	X	X			Yes	No
Milton, FL / Santa Rosa County	Yes	X	X				Yes	No
City of Edgewood	Yes	X	X				Yes	No
City of Gulf Breeze	Yes	X					Yes	No
Hillsborough County Sheriff's Office	Yes	X	X				Yes	No
City of Miami Gardens	Yes	X	X				Yes	Yes

Appendix F: Jurisdiction Responses to Survey

Name of Jurisdiction (City or County)	Please provide any specifications/clarifications for any of your answers.
Orange Park FL (Clay)	
Orange County	
City of Clearwater	
TOWN OF SURFSIDE	N/A
City of Winter Park	
City of West Park	
City of Aventura	
Village of Key Biscayne	
Town of Medley	
City of South Miami	
VILLAGE OF PINECREST	N/A
Pembroke Pines	
West Miami Police	
City of Port Richey	For question 13-Repeat Offenders: One Notice 6608, Two Notices 176, Three Notices 13.
City of Tampa	
Lakeland Police Department	N/A
City of Ocoee Police Department	N/A
Miami Beach	
Manatee County	
City of North Miami Beach	N/A
City of Haines City FL.	*26 our Agency does an annual crash analysis on ALL crashes to include red light camera intersections
Milton, FL / Santa Rosa County	N/A
City of Edgewood	
City of Gulf Breeze	
Hillsborough County Sheriff's Office	N/A
City of Miami Gardens	N/A

Appendix G: Right Turn Definitions

Name of Jurisdiction (City or County)	Section 316.0083(1)(a), Florida Statutes, provides that, "A notice of violation and a traffic citation may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a careful and prudent manner at an intersection where right-hand turns are permissible." Please provide the definition used by your respective jurisdiction when determining if a violation should be issued.
Duval County (Jacksonville, Florida) Consolidated	
CORAL GABLES	SPEED, TRAFFIC, PEDESTRIANS
City of Palatka	
Green Cove Springs	15mph with no apparent effort to slow or stop.
Florida City	We use BRQ and our discretion to determine what is a careful and prudent turn.
City of Apopka	Having regard for angle, width, grade, curves, corners, vehicles, pedestrians and all other attendant circumstances, including but not limited to speed and visual obstructions, so as not to endanger the life, limb, or property of any person. Note: Damage or injury does not have to occur in order for an event to be considered NOT careful and prudent.
Bal Harbour Village	Did the vehicle slow down and did the vehicle/driver yield to pedestrians?
City of Miami, Florida	
City of Homestead	Reviewing Police Officer makes determination, officers are instructed to only issue notices of violation as if they were present at the location.
City of Kissimmee	The City of Kissimmee does not issue violations for failure to stop at a right light for a right hand turn with the exception of one intersection where there is a prohibition from turning right on red.
Miami Springs	The vehicle should be traveling LESS than 15 mph. Drivers must yield the right of way to other vehicles and to pedestrians attempting to cross the street in the crosswalk.
Osceola County	Traffic infraction officers make a determination just as a deputy would based on the individual circumstances of that turn.
City of Boynton Beach	
City of Opa-locka	Traffic Volume, Pedestrians, Speed
Sarasota	
City of Sweetwater	316.0083(1)(a), Florida Statutes, provides that, "A notice of violation and a traffic citation may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a careful and prudent manner at an intersection where right-hand turns are permissible."
City of Orlando	
City of Maitland	A motorist can make a turn in a careful and prudent manner after coming to a complete stop pursuant to the directives of Florida State Statute 316.075. However, our officers use their discretion when reviewing the violations and do not issue violations to anyone going under 16mph during a right hand turn unless aggravating circumstances exist.
Midway	Must come to a complete Stop before making the turn
Sunrise	A right turn on red conducted at a speed greater than 15 mph without hesitating to slow prior to initiating the turn. Consideration is given to the amount of traffic in the adjacent lanes, u-turning vehicles having the right of way, traffic on the roadway, and pedestrian traffic within the intersection
City of New Port Richey	The totality of the circumstances, to include: vehicle speed, traffic volume, visibility, road conditions, etc.
Town of Davie	
City of Tamarac	Not applicable. Only right turn enforced is posted "NO TURN ON RED"

Appendix G: Right Turn Definitions

Name of Jurisdiction (City or County)	Section 316.0083(1)(a), Florida Statutes, provides that, "A notice of violation and a traffic citation may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a careful and prudent manner at an intersection where right-hand turns are permissible." Please provide the definition used by your respective jurisdiction when determining if a violation should be issued.
Orange Park FL (Clay)	At one particular intersection where the right on red is enforced, the violator has to drive into the bicycle lane passing other vehicles on the right, fail to stop then make a right hand turn, endangering other traffic and/or pedestrians.
Orange County	Only enforce right on red at locations that have a "no turn on red" sign when lit if vehicle does not stop within their turn
City of Clearwater	
TOWN OF SURFSIDE	IF THERE IS A PEDESTRIAN IN THE CROSSWALK, AT TIME OF OCCURRENCE, THAT POSED A RISK/THREAT TO THE PEDESTRIAN
City of Winter Park	You can make a right hand turn in a "careful and prudent manner" after coming to a complete stop pursuant to the directives of Florida Statutes.
City of West Park	
City of Aventura	careful and prudent or over 5 mph
Village of Key Biscayne	We use the same definition as Florida State Statute 316.0083(1)(a)
Town of Medley	Speed above 15 mph, or violation of right of way to oncoming vehicle, or violation of pedestrian right of way or, making a right turn in violation of FSS 316.151.
City of South Miami	
VILLAGE OF PINECREST	
Pembroke Pines	
West Miami Police	Carefull and prudent manner
City of Port Richey	
City of Tampa	Turn is made at reasonable speed and does not interfere with other vehicle or pedestrian traffic
Lakeland Police Department	Our department considers several factors before issuing a violation for a right turn on red. First, the approach speed must be 15 mph or greater. Any approach speed less than 15 mph is automatically dismissed. The vehicle's speed after the stop bar is also considered. For Example, if a vehicle approaches the stop bar with significant speed and then slows down considerably, while turning, then the violation will most likely be dismissed. Other factors we look at to determine "Careful and Prudent" are: Is there pedestrians or bicyclists in view of the camers? What are the weather conditions like? Is it day time or night time? (Perception / Reaction Time increases at night) The amount or volume of traffic? What is the crash history for that intersection? Have we received citizen complaints in this location? Is this intersection in a construction zone? Are brake lights and/or turn signals visable? Officers knowledge of this intersection.
City of Ocoee Police Department	Same as all Florida State Statute Language
Miami Beach	Careful and Prudent means the driver is aware of his environment and is driving in a responsible manner, i.e. speed, pedestrians, the right-of-way of approaching vehicles, etc.
Manatee County	The camera footage is viewed by a sworn law enforcement officer employed by the Manatee County Sheriff's Office. If the Deputy reviewing the footage feels they would ticket the violation if they were in person at the light then they would make the determination to ticket the violation from the camera.
City of North Miami Beach	
City of Haines City Fl.	
Milton, FL / Santa Rosa County	Not enforced
City of Edgewood	
City of Gulf Breeze	
Hillsborough County Sheriff's Office	The HCSO maintains a 15 MPH threshold for right on red violations, and only has two intersections with right turn enforcement.
City of Miami Gardens	For purposes of administering this section, the department, a county, or a municipality may authorize a traffic infraction enforcement officer under s.316.640 to issue a traffic citation for a violation of s. 316.074(1) or s. 316.075(1)(c)(1). A notice of violation and a traffic citation may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a careful and prudent manner at an intersection where right-hand turns are permissible. A notice of violation and a traffic citation may not be issued under this section if the driver of the vehicle came to a complete stop after crossing the stop line and before turning right if permissible at a red light, but failed to stop before crossing over the stop line or other point at which a stop is required.