

Florida Department of Highway Safety and Motor Vehicles Red Light Camera Report for Fiscal Year 2020-2021

Introduction

For the purposes of this report, the Florida Department of Highway Safety and Motor Vehicles will be referred to as the department.

The terms “Traffic Infraction Detector” and “Red Light Camera” are interchangeable, but this report will use red light camera, or R L C, for simplicity.

The counties and municipalities covered in this report will be referred to as jurisdictions.

Notices of Violation will be referred to as N O V’s.

Uniform Traffic Citations will be referred to as U T C’s.

[Section 316.0083\(4\)\(b\)](#), Florida Statutes, directs the department to provide a summary report on the use and operation of 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 red light cameras. A traffic infraction enforcement officer issues a Notice of Violation, or N O V, 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, or U T C, 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 jurisdictions responsible for the administration of red light cameras during Fiscal Year 2020-2021. The 29-question survey included topics such as procedures, N O V’s, and program size, and covered activity that occurred from July 1, 2020 through June 30, 2021. As there is no statewide oversight of red light camera programs, the department relies on monies remitted to the Department of Revenue to identify which jurisdictions potentially operated red light cameras during the reporting period. Jurisdictions were also asked to complete a spreadsheet of their 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 Department of Revenue during the reporting period.

Summary of Survey Responses

In total, 47 jurisdictions appeared on the Department of Revenue report for remittance of red light camera penalties during Fiscal Year 2020-2021. Details can be found in the Supplemental Resources section of this report. Of the 47 jurisdictions, 4 indicated they are no longer operating R L C programs,

even though monies may have been remitted after the conclusion of their program. Violations are sometimes paid late, which is why some jurisdictions remitted monies after the conclusion of their program. The survey portion of this report focuses on 44 jurisdictions that indicated red light cameras were operational during the reporting period of July 1, 2020 through June 30, 2021. Reference Appendix F for a list of the 44 jurisdictions and their responses.

The following information is the Camera and Intersection Data as reported by local jurisdictions in the R L C survey:

- There were 497 red light cameras active on July 1, 2020, compared to 510 on July 1, 2019.
- There were 485 red light cameras active on June 30, 2021, compared to 504 on June 30, 2020.
 - 32 jurisdictions had no change in the number of red light cameras.
 - 5 jurisdictions had an increase in the number of red light cameras, which includes one new jurisdiction with 4 red light cameras.
 - 7 jurisdictions had a decrease in the number of red light cameras.
- There were 296 intersections with active R L C’s on July 1, 2020, compared to 312 on July 1, 2019.
- There were 297 intersections with active R L C’s on June 30, 2021 compared to 310 on June 30, 2020.
 - 34 jurisdictions had no change in the number of intersections with R L C’s.
 - 4 jurisdictions had an increase in the number of intersections with R L C’s, which includes one new jurisdiction with 4 intersections.
 - 6 jurisdictions had a decrease in the number of intersections with R L C’s.

The following information is the Notice of Violation Data as reported by local jurisdictions in the R L C survey:

- A total of 955,297 N O V’s were issued. Two jurisdictions indicated they did not have this information at the time they submitted their surveys.
 - 563,297 N O V’s were paid;
 - 8,437 were contested and are pending;
 - 5,231 were contested and dismissed;
 - 4,578 were contested and upheld;
 - 212,229 were issued as U T C’s;
 - 15,717 are pending issuance as U T C’s; and
 - 145,808 are of unknown status, as availability of N O V status varies by jurisdiction, leaving some in an unknown status.

Table 1 below shows the number of N O V’s issued for red light camera violations over the past nine fiscal years, which run from July 1st through June 30th. Also provided are the number of citations for running a red light issued in-person by law enforcement. The N O V data is self-reported by jurisdictions. The citation data is collected from the department database as of November 22, 2021.

Table 1, Notices of Violation and In-Person Citations by Fiscal Year				
Fiscal Year 2012-2013	Notices of Violation	1,094,106	In-Person Citations	66,196
Fiscal Year 2013-2014	Notices of Violation	940,814	In-Person Citations	59,672

Fiscal Year 2014-2015	Notices of Violation	963,039	In-Person Citations	57,546
Fiscal Year 2015-2016	Notices of Violation	1,227,927	In-Person Citations	50,755
Fiscal Year 2016-2017	Notices of Violation	1,173,232	In-Person Citations	48,129
Fiscal Year 2017-2018	Notices of Violation	1,159,392	In-Person Citations	50,249
Fiscal Year 2018-2019	Notices of Violation	1,054,234	In-Person Citations	51,939
Fiscal Year 2019-2020	Notices of Violation	1,127,450	In-Person Citations	42,879
Fiscal Year 2020-2021	Notices of Violation	955,297	In-Person Citations	41,150

Table 2 below shows the number of unpaid red light camera violations resulting in a U T C.

Table 2, R L C Violations Issued as U T C's	
Fiscal Year 2012-2013	356,524
Fiscal Year 2013-2014	290,535
Fiscal Year 2014-2015	300,224
Fiscal Year 2015-2016	383,538
Fiscal Year 2016-2017	359,289
Fiscal Year 2017-2018	352,539
Fiscal Year 2018-2019	332,238
Fiscal Year 2019-2020	243,604
Fiscal Year 2020-2021	212,229

Citation data collected from department database as of November 22, 2021.

Personnel

Jurisdictions were requested to identify who reviews the camera images before issuing N O V's, who reviews contested N O V's, and who ultimately issues U T C's. Personnel categories included law enforcement officers, non-sworn government employees, non-sworn contractor employees or vendors, and other.

Note: Jurisdictions could select multiple options for each question, so numbers may not sum to the total number of respondents. The data is as it was reported by the local jurisdictions in the R L C survey.

Table 3, Jurisdiction Counts of Personnel Responsible for N O V and U T C Actions		
Law Enforcement Officers	Review Camera Images	35
Non-Sworn Government Employees	Review Camera Images	21
Non-Sworn Contractor Employees, or Vendors	Review Camera Images	5
Other Personnel	Review Camera Images	2
Law Enforcement Officers	Review Contested Notices of Violation	30
Non-Sworn Government Employees	Review Contested Notices of Violation	20
Non-Sworn Contractor Employees, or Vendors	Review Contested Notices of Violation	1
Other	Review Contested Notices of Violation	5
Law Enforcement Officers	Issue Uniform Traffic Citations	35
Non-Sworn Government Employees	Issue Uniform Traffic Citations	17
Non-Sworn Contractor Employees, or Vendors	Issue Uniform Traffic Citations	1
Other	Issue Uniform Traffic Citations	2

Right-Hand Turns

Pursuant to [section 316.0083](#), Florida Statutes:

An N O V and U T C 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.

An N O V and U T C 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 at a red light, if permissible, but failed to stop before crossing over the stop line or other point at which a stop is required.

The terms in this section of statute are left to the interpretation of each respective jurisdiction. Appendix G provides right turn definitions provided to the department. For Fiscal Year 2020-2021, 25 of 44, or 57 percent, of the responding jurisdictions issued N O V's for persons making right turns on red signals. Nineteen jurisdictions indicated 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. Seventy-two percent, or 31 of 43, of the jurisdictions indicated they had implemented at least one action. Sixty percent, or 26 of 43, indicated they had implemented more than one action. The results of this question are shown below in Table 4. Appendix F provides responses by jurisdiction.

Table 4, Alternative Safety Measures		
Education and Outreach	At intersections with R L C's	15
Education and Outreach	At intersections without R L C's	12
Engineering, Roadway/Geometric	At intersections with R L C's	12
Engineering, Roadway/Geometric	At intersections without R L C's	12
Engineering, Signalization/Operation	At intersections with R L C's	12
Engineering, Signalization/Operation	At intersections without R L C's	10
Increased other type of signage	At intersections with R L C's	11
Increased other type of signage	At intersections without R L C's	6
Increased RLC-related signage	At intersections with R L C's	15
Increased RLC-related signage	At intersections without R L C's	1
Lighting	At intersections with R L C's	14
Lighting	At intersections without R L C's	11
Re-striping	At intersections with R L C's	19
Re-striping	At intersections without R L C's	12

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

Less than a third of the jurisdictions, 12 out of 44, reported that court cases have impacted their red light camera program. Seven jurisdictions indicated they have conducted an independent red light

camera analysis. Forty-one jurisdictions responded they are continuing their program in Fiscal Year 2021-2022. Thirty-four jurisdictions responded they report crashes electronically, one reports via paper, and eight submit both.

Table 5 below shows red light camera vendors used by jurisdictions.

Table 5, Jurisdiction Counts of Red Light Camera Vendors	
American Traffic Solutions/Verra Mobility	29
Red Flex	4
Sensys Gatso Group	4
Novoa Global	3
Red Speed USA	2
Conduent	2

Table 6 below shows factors used to determine the success or failure of red light camera locations as reported by jurisdictions.

Table 6, Factors that Determine Success or Failure of Red Light Camera Locations		
Change in Number of Crashes	40	91%
Change in Pedestrian Safety	34	77%
Change in Revenue	4	9%
Other (see Appendix F)	6	14%

Table 7 below shows other uses of red light camera footage reported by jurisdictions.

Table 7, Jurisdiction Use of R L C Footage		
Crash Investigation	42	95%
Criminal Investigation	40	91%
Missing Person	9	20%
Other (see Appendix F)	2	5%

Jurisdictions were asked to rank the importance of various factors when selecting locations to install red light cameras. The results are shown in Table 8.

Table 8, Importance of Factors When Selecting Intersections for R L C's		
Citizen Complaints	Very Important	24
Citizen Complaints	Somewhat Important	18
Citizen Complaints	Not Important	0
Citizen Complaints	Not Applicable	2
Law Enforcement Officer Observations	Very Important	28
Law Enforcement Officer Observations	Somewhat Important	13
Law Enforcement Officer Observations	Not Important	0
Law Enforcement Officer Observations	Not Applicable	3
Pedestrian Safety	Very Important	40
Pedestrian Safety	Somewhat Important	3

Pedestrian Safety	Not Important	0
Pedestrian Safety	Not Applicable	1
Traffic Citation Data	Very Important	25
Traffic Citation Data	Somewhat Important	13
Traffic Citation Data	Not Important	2
Traffic Citation Data	Not Applicable	4
Traffic Crash Data	Very Important	42
Traffic Crash Data	Somewhat Important	2
Traffic Crash Data	Not Important	0
Traffic Crash Data	Not Applicable	0
Traffic Volume	Very Important	32
Traffic Volume	Somewhat Important	8
Traffic Volume	Not Important	2
Traffic Volume	Not Applicable	2

Part 2 Crash Analysis

As with previous fiscal year reports, 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. 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 1st, 2013 and December 31st, 2020, allowing at least six months before, and after, the date the camera was activated. In total, 162 intersections were included in the crash analysis from 31 jurisdictions.

Note: While the methodology remains consistent with prior reports, we worked closely with our partners to verify the locations of red light camera intersections and dates of camera operation. This additional step further validated the analysis.

Crashes occurring within 250 feet of the center of the intersection were analyzed before and after the installation of cameras at each intersection. Table 9 shows the breakdown of crashes analyzed based on their distance from the center of the intersection.

Table 9, Number of Crashes by Feet from Intersection				
0 Feet	Number of Crashes	8,480	Percent of Total	33.52%
1 to 50 Feet	Number of Crashes	8,960	Percent of Total	35.41%
51 to 100 Feet	Number of Crashes	3,999	Percent of Total	15.81%
101 to 150 Feet	Number of Crashes	1,212	Percent of Total	4.79%
151 to 200 Feet	Number of Crashes	1,902	Percent of Total	7.52%
201 to 250 Feet	Number of Crashes	746	Percent of Total	2.95%
Grand Total	Number of Crashes	25,299	Percent of Total	100.00%

Data provided by Signal Four Analytics using intersection location information and operation dates reported by local jurisdictions.

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, injury severity, inclusion of a non-motorist, and whether the crash report indicated a driver ran a red light. See Appendix D for the definition of a non-motorist.

Table 10 shows the breakdown of crashes that occurred before and after the activation of red light cameras at intersections included in the analysis. As with last year, the department excludes 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.

Table 10, Total Number of Crashes Before and After R L C's Were Installed				
Total Crashes	Before R L C Installed	12,158	After R L C Installed	13,067
Angle Crashes	Before R L C Installed	2,429	After R L C Installed	2,680
Rear-End Crashes	Before R L C Installed	6,237	After R L C Installed	6,596
Crashes Involving Non-Motorists	Before R L C Installed	294	After R L C Installed	278
Property Damage Only Crashes	Before R L C Installed	8,958	After R L C Installed	9,872
Injury Crashes	Before R L C Installed	3,167	After R L C Installed	3,153
Fatal Crashes	Before R L C Installed	30	After R L C Installed	26

This data was provided by Signal Four Analytics using intersection location information and operation dates reported by local jurisdictions.

The department maintains partnerships 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, or V M T. The probability of a crash occurring increases as people drive more, and as of January 5, 2022, VMT in Florida increased 9.08 percent from calendar years 2012 to 2020. For more information, use the links under Supplemental Resources below.

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 with GPS coordinates and dates of operation.
2. To ensure the ability to reconcile N O V's issued with monies remitted and U T C counts, require jurisdictions that end their red light camera operations to maintain all data regarding the program for a minimum of two years.

3. Require jurisdictions to track the issuance of N O V's, including the status of those violations paid, contested, and issued as U T C's.
4. Require jurisdictions to track the issuance of N O V's for right-hand turns.
5. 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.
6. Require jurisdictions to report alternative safety countermeasures taken prior to and after the installation of red light cameras.
7. 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.

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.

Supplemental Resources

- Department of Revenue's [Tax Collections and Distributions](#)
- Department of Transportation's [Traffic Infraction Detector Placement and Installation Specifications](#)
- Department of Transportation's [Florida Highway Mileage Reports, Vehicle Miles Traveled](#)

Appendix A: Total Crashes Before and After Red Light Camera Implementation by Jurisdiction						
Aventura	Total Intersections	1	Total Crashes Before	66	Total Crashes After	154
Boynton Beach	Total Intersections	4	Total Crashes Before	137	Total Crashes After	357
Coral Gables	Total Intersections	3	Total Crashes Before	392	Total Crashes After	256
Crestview	Total Intersections	2	Total Crashes Before	96	Total Crashes After	83
Davie	Total Intersections	1	Total Crashes Before	15	Total Crashes After	5
Edgewood	Total Intersections	2	Total Crashes Before	109	Total Crashes After	88
Florida City	Total Intersections	1	Total Crashes Before	277	Total Crashes After	585
Gulf Breeze	Total Intersections	1	Total Crashes Before	1	Total Crashes After	9
Kissimmee	Total Intersections	2	Total Crashes Before	385	Total Crashes After	390
Lakeland	Total Intersections	6	Total Crashes Before	103	Total Crashes After	138
Maitland	Total Intersections	2	Total Crashes Before	134	Total Crashes After	106
Manatee County BOCC	Total Intersections	5	Total Crashes Before	484	Total Crashes After	571
Medley	Total Intersections	6	Total Crashes Before	130	Total Crashes After	82
Miami Gardens	Total Intersections	8	Total Crashes Before	635	Total Crashes After	459
Miami Springs	Total Intersections	3	Total Crashes Before	214	Total Crashes After	223
Midway	Total Intersections	2	Total Crashes Before	40	Total Crashes After	33
Milton (Santa Rosa County)	Total Intersections	2	Total Crashes Before	67	Total Crashes After	40
North Miami Beach	Total Intersections	3	Total Crashes Before	181	Total Crashes After	270
Ocoee	Total Intersections	4	Total Crashes Before	269	Total Crashes After	268
Orange County BOCC	Total Intersections	28	Total Crashes Before	2,716	Total Crashes After	2,930
Orange Park	Total Intersections	4	Total Crashes Before	82	Total Crashes After	49
Orlando	Total Intersections	15	Total Crashes Before	2,050	Total Crashes After	2,050
Osceola County BOCC	Total Intersections	9	Total Crashes Before	591	Total Crashes After	751
Pembroke Pines	Total Intersections	6	Total Crashes Before	711	Total Crashes After	659
Pinecrest	Total Intersections	8	Total Crashes Before	480	Total Crashes After	367
Sarasota	Total Intersections	10	Total Crashes Before	818	Total Crashes After	900
South Miami	Total Intersections	4	Total Crashes Before	362	Total Crashes After	532
Sunrise	Total Intersections	8	Total Crashes Before	255	Total Crashes After	369
Sweetwater	Total Intersections	3	Total Crashes Before	135	Total Crashes After	130
Tampa	Total Intersections	7	Total Crashes Before	144	Total Crashes After	166
West Miami	Total Intersections	2	Total Crashes Before	79	Total Crashes After	47
GRAND TOTAL	Total Intersections	162	Total Crashes Before	12,158	Total Crashes After	13,067

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

Aventura	Total Intersections	1	Ran Red Light Before	3	Ran Red Light After	2
Boynton Beach	Total Intersections	4	Ran Red Light Before	8	Ran Red Light After	16
Coral Gables	Total Intersections	3	Ran Red Light Before	10	Ran Red Light After	11
Crestview	Total Intersections	2	Ran Red Light Before	3	Ran Red Light After	3
Davie	Total Intersections	1	Ran Red Light Before	0	Ran Red Light After	1
Edgewood	Total Intersections	2	Ran Red Light Before	5	Ran Red Light After	1
Florida City	Total Intersections	1	Ran Red Light Before	18	Ran Red Light After	19
Gulf Breeze	Total Intersections	1	Ran Red Light Before	0	Ran Red Light After	0
Kissimmee	Total Intersections	2	Ran Red Light Before	8	Ran Red Light After	10
Lakeland	Total Intersections	6	Ran Red Light Before	6	Ran Red Light After	6
Maitland	Total Intersections	2	Ran Red Light Before	6	Ran Red Light After	2
Manatee County BOCC	Total Intersections	5	Ran Red Light Before	14	Ran Red Light After	11
Medley	Total Intersections	6	Ran Red Light Before	7	Ran Red Light After	3
Miami Gardens	Total Intersections	8	Ran Red Light Before	16	Ran Red Light After	16
Miami Springs	Total Intersections	3	Ran Red Light Before	6	Ran Red Light After	4
Midway	Total Intersections	2	Ran Red Light Before	1	Ran Red Light After	1
Milton (Santa Rosa County)	Total Intersections	2	Ran Red Light Before	0	Ran Red Light After	1
North Miami Beach	Total Intersections	3	Ran Red Light Before	3	Ran Red Light After	0
Ocoee	Total Intersections	4	Ran Red Light Before	5	Ran Red Light After	3
Orange County BOCC	Total Intersections	28	Ran Red Light Before	73	Ran Red Light After	85
Orange Park	Total Intersections	4	Ran Red Light Before	6	Ran Red Light After	2
Orlando	Total Intersections	15	Ran Red Light Before	118	Ran Red Light After	97
Osceola County BOCC	Total Intersections	9	Ran Red Light Before	19	Ran Red Light After	19
Pembroke Pines	Total Intersections	6	Ran Red Light Before	23	Ran Red Light After	24
Pinecrest	Total Intersections	8	Ran Red Light Before	9	Ran Red Light After	6
Sarasota	Total Intersections	10	Ran Red Light Before	13	Ran Red Light After	30
South Miami	Total Intersections	4	Ran Red Light Before	4	Ran Red Light After	8
Sunrise	Total Intersections	8	Ran Red Light Before	8	Ran Red Light After	9
Sweetwater	Total Intersections	3	Ran Red Light Before	9	Ran Red Light After	12
Tampa	Total Intersections	7	Ran Red Light Before	14	Ran Red Light After	8
West Miami	Total Intersections	2	Ran Red Light Before	1	Ran Red Light After	1
GRAND TOTAL	Total Intersections	162	Ran Red Light Before	416	R L C Violations After	411

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

Aventura	Total Intersections	1	Rear End Crashes Before	15	Rear End Crashes After	51
Boynton Beach	Total Intersections	4	Rear End Crashes Before	62	Rear End Crashes After	175
Coral Gables	Total Intersections	3	Rear End Crashes Before	186	Rear End Crashes After	116
Crestview	Total Intersections	2	Rear End Crashes Before	54	Rear End Crashes After	55
Davie	Total Intersections	1	Rear End Crashes Before	4	Rear End Crashes After	3
Edgewood	Total Intersections	2	Rear End Crashes Before	56	Rear End Crashes After	41
Florida City	Total Intersections	1	Rear End Crashes Before	77	Rear End Crashes After	200
Gulf Breeze	Total Intersections	1	Rear End Crashes Before	0	Rear End Crashes After	4
Kissimmee	Total Intersections	2	Rear End Crashes Before	177	Rear End Crashes After	209
Lakeland	Total Intersections	6	Rear End Crashes Before	58	Rear End Crashes After	83
Maitland	Total Intersections	2	Rear End Crashes Before	70	Rear End Crashes After	61
Manatee County BOCC	Total Intersections	5	Rear End Crashes Before	251	Rear End Crashes After	310
Medley	Total Intersections	6	Rear End Crashes Before	37	Rear End Crashes After	31
Miami Gardens	Total Intersections	8	Rear End Crashes Before	242	Rear End Crashes After	165
Miami Springs	Total Intersections	3	Rear End Crashes Before	43	Rear End Crashes After	48
Midway	Total Intersections	2	Rear End Crashes Before	9	Rear End Crashes After	13
Milton (Santa Rosa County)	Total Intersections	2	Rear End Crashes Before	27	Rear End Crashes After	22
North Miami Beach	Total Intersections	3	Rear End Crashes Before	86	Rear End Crashes After	116
Ocoee	Total Intersections	4	Rear End Crashes Before	148	Rear End Crashes After	148
Orange County BOCC	Total Intersections	28	Rear End Crashes Before	1,513	Rear End Crashes After	1,562
Orange Park	Total Intersections	4	Rear End Crashes Before	28	Rear End Crashes After	15
Orlando	Total Intersections	15	Rear End Crashes Before	1,038	Rear End Crashes After	980
Osceola County BOCC	Total Intersections	9	Rear End Crashes Before	346	Rear End Crashes After	435
Pembroke Pines	Total Intersections	6	Rear End Crashes Before	448	Rear End Crashes After	420
Pinecrest	Total Intersections	8	Rear End Crashes Before	321	Rear End Crashes After	233
Sarasota	Total Intersections	10	Rear End Crashes Before	489	Rear End Crashes After	465
South Miami	Total Intersections	4	Rear End Crashes Before	174	Rear End Crashes After	283
Sunrise	Total Intersections	8	Rear End Crashes Before	126	Rear End Crashes After	196
Sweetwater	Total Intersections	3	Rear End Crashes Before	27	Rear End Crashes After	47
Tampa	Total Intersections	7	Rear End Crashes Before	87	Rear End Crashes After	89
West Miami	Total Intersections	2	Rear End Crashes Before	38	Rear End Crashes After	20
GRAND TOTAL	Total Intersections	162	Rear End Crashes Before	6,237	Rear End Crashes After	6,596

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

Aventura	Total intersections	1	Angle Crashes Before	11	Angle Crashes After	27
Boynton Beach	Total intersections	4	Angle Crashes Before	27	Angle Crashes After	70
Coral Gables	Total Intersections	3	Angle Crashes Before	122	Angle Crashes After	77
Crestview	Total Intersections	2	Angle Crashes Before	16	Angle Crashes After	16
Davie	Total Intersections	1	Angle Crashes Before	2	Angle Crashes After	1
Edgewood	Total Intersections	2	Angle Crashes Before	17	Angle Crashes After	19
Florida City	Total Intersections	1	Angle Crashes Before	77	Angle Crashes After	153
Gulf Breeze	Total Intersections	1	Angle Crashes Before	1	Angle Crashes After	1
Kissimmee	Total Intersections	2	Angle Crashes Before	52	Angle Crashes After	75
Lakeland	Total Intersections	6	Angle Crashes Before	25	Angle Crashes After	34
Maitland	Total Intersections	2	Angle Crashes Before	17	Angle Crashes After	15
Manatee County BOCC	Total Intersections	5	Angle Crashes Before	103	Angle Crashes After	120
Medley	Total Intersections	6	Angle Crashes Before	25	Angle Crashes After	15
Miami Gardens	Total Intersections	8	Angle Crashes Before	159	Angle Crashes After	98
Miami Springs	Total Intersections	3	Angle Crashes Before	24	Angle Crashes After	15
Midway	Total Intersections	2	Angle Crashes Before	11	Angle Crashes After	6
Milton (Santa Rosa County)	Total Intersections	2	Angle Crashes Before	11	Angle Crashes After	10
North Miami Beach	Total Intersections	3	Angle Crashes Before	36	Angle Crashes After	35
Ocoee	Total Intersections	4	Angle Crashes Before	58	Angle Crashes After	49
Orange County BOCC	Total Intersections	28	Angle Crashes Before	554	Angle Crashes After	625
Orange Park	Total Intersections	4	Angle Crashes Before	8	Angle Crashes After	7
Orlando	Total Intersections	15	Angle Crashes Before	481	Angle Crashes After	481
Osceola County BOCC	Total Intersections	9	Angle Crashes Before	101	Angle Crashes After	138
Pembroke Pines	Total Intersections	6	Angle Crashes Before	105	Angle Crashes After	90
Pinecrest	Total Intersections	8	Angle Crashes Before	61	Angle Crashes After	39
Sarasota	Total Intersections	10	Angle Crashes Before	126	Angle Crashes After	214
South Miami	Total Intersections	4	Angle Crashes Before	49	Angle Crashes After	82
Sunrise	Total Intersections	8	Angle Crashes Before	69	Angle Crashes After	81
Sweetwater	Total Intersections	3	Angle Crashes Before	43	Angle Crashes After	35
Tampa	Total Intersections	7	Angle Crashes Before	23	Angle Crashes After	45
West Miami	Total Intersections	2	Angle Crashes Before	15	Angle Crashes After	7
GRAND TOTAL	Total Intersections	162	Angle Crashes Before	2,429	Angle Crashes After	2,680

Appendix A: Crashes with Property Damage Only, Before and After Red Light Camera Implementation by Jurisdiction						
Aventura	Total Intersections	1	Property Damage Before	49	Property Damage After	136
Boynton Beach	Total Intersections	4	Property Damage Before	98	Property Damage After	305
Coral Gables	Total Intersections	3	Property Damage Before	327	Property Damage After	207
Crestview	Total Intersections	2	Property Damage Before	77	Property Damage After	70
Davie	Total Intersections	1	Property Damage Before	14	Property Damage After	5
Edgewood	Total Intersections	2	Property Damage Before	84	Property Damage After	62
Florida City	Total Intersections	1	Property Damage Before	198	Property Damage After	464
Gulf Breeze	Total Intersections	1	Property Damage Before	1	Property Damage After	7
Kissimmee	Total Intersections	2	Property Damage Before	288	Property Damage After	277
Lakeland	Total Intersections	6	Property Damage Before	61	Property Damage After	87
Maitland	Total Intersections	2	Property Damage Before	92	Property Damage After	79
Manatee County BOCC	Total Intersections	5	Property Damage Before	306	Property Damage After	383
Medley	Total Intersections	6	Property Damage Before	115	Property Damage After	68
Miami Gardens	Total Intersections	8	Property Damage Before	531	Property Damage After	398
Miami Springs	Total Intersections	3	Property Damage Before	192	Property Damage After	196
Midway	Total Intersections	2	Property Damage Before	22	Property Damage After	20
Milton (Santa Rosa County)	Total Intersections	2	Property Damage Before	41	Property Damage After	32
North Miami Beach	Total Intersections	3	Property Damage Before	132	Property Damage After	220
Ocoee	Total Intersections	4	Property Damage Before	188	Property Damage After	200
Orange County BOCC	Total Intersections	28	Property Damage Before	2,037	Property Damage After	2,238
Orange Park	Total Intersections	4	Property Damage Before	59	Property Damage After	36
Orlando	Total Intersections	15	Property Damage Before	1,389	Property Damage After	1,446
Osceola County BOCC	Total Intersections	9	Property Damage Before	396	Property Damage After	513
Pembroke Pines	Total Intersections	6	Property Damage Before	554	Property Damage After	498
Pinecrest	Total Intersections	8	Property Damage Before	396	Property Damage After	308
Sarasota	Total Intersections	10	Property Damage Before	616	Property Damage After	672
South Miami	Total Intersections	4	Property Damage Before	303	Property Damage After	448
Sunrise	Total Intersections	8	Property Damage Before	143	Property Damage After	264
Sweetwater	Total Intersections	3	Property Damage Before	121	Property Damage After	103
Tampa	Total Intersections	7	Property Damage Before	59	Property Damage After	88
West Miami	Total Intersections	2	Property Damage Before	69	Property Damage After	42
GRAND TOTAL	Total Intersections	162	Property Damage Before	8,958	Property Damage After	9,872

Appendix A: Injury Crashes Before and After Red Light Camera Implementation by Jurisdiction						
Aventura	Total intersections	1	Injury Crashes Before	17	Injury Crashes After	18
Boynton Beach	Total intersections	4	Injury Crashes Before	37	Injury Crashes After	51
Coral Gables	Total Intersections	3	Injury Crashes Before	64	Injury Crashes After	49
Crestview	Total Intersections	2	Injury Crashes Before	19	Injury Crashes After	13
Davie	Total Intersections	1	Injury Crashes Before	1	Injury Crashes After	0
Edgewood	Total Intersections	2	Injury Crashes Before	25	Injury Crashes After	26
Florida City	Total Intersections	1	Injury Crashes Before	78	Injury Crashes After	121
Gulf Breeze	Total Intersections	1	Injury Crashes Before	0	Injury Crashes After	2
Kissimmee	Total Intersections	2	Injury Crashes Before	96	Injury Crashes After	111
Lakeland	Total Intersections	6	Injury Crashes Before	42	Injury Crashes After	51
Maitland	Total Intersections	2	Injury Crashes Before	42	Injury Crashes After	27
Manatee County BOCC	Total Intersections	5	Injury Crashes Before	176	Injury Crashes After	186
Medley	Total Intersections	6	Injury Crashes Before	15	Injury Crashes After	13
Miami Gardens	Total Intersections	8	Injury Crashes Before	101	Injury Crashes After	59
Miami Springs	Total Intersections	3	Injury Crashes Before	21	Injury Crashes After	15
Midway	Total Intersections	2	Injury Crashes Before	16	Injury Crashes After	13
Milton (Santa Rosa County)	Total Intersections	2	Injury Crashes Before	26	Injury Crashes After	8
North Miami Beach	Total Intersections	3	Injury Crashes Before	48	Injury Crashes After	48
Ocoee	Total Intersections	4	Injury Crashes Before	81	Injury Crashes After	67
Orange County BOCC	Total Intersections	28	Injury Crashes Before	676	Injury Crashes After	689
Orange Park	Total Intersections	4	Injury Crashes Before	23	Injury Crashes After	13
Orlando	Total Intersections	15	Injury Crashes Before	655	Injury Crashes After	604
Osceola County BOCC	Total Intersections	9	Injury Crashes Before	195	Injury Crashes After	235
Pembroke Pines	Total Intersections	6	Injury Crashes Before	154	Injury Crashes After	161
Pinecrest	Total Intersections	8	Injury Crashes Before	81	Injury Crashes After	54
Sarasota	Total Intersections	10	Injury Crashes Before	200	Injury Crashes After	226
South Miami	Total Intersections	4	Injury Crashes Before	58	Injury Crashes After	81
Sunrise	Total Intersections	8	Injury Crashes Before	112	Injury Crashes After	104
Sweetwater	Total Intersections	3	Injury Crashes Before	14	Injury Crashes After	27
Tampa	Total Intersections	7	Injury Crashes Before	85	Injury Crashes After	76
West Miami	Total Intersections	2	Injury Crashes Before	9	Injury Crashes After	5
GRAND TOTAL	Total Intersections	162	Injury Crashes Before	3,167	Injury Crashes After	3,153

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

Aventura	Total intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Boynton Beach	Total intersections	3	Fatality Crashes Before	2	Fatality Crashes After	1
Coral Gables	Total Intersections	1	Fatality Crashes Before	1	Fatality Crashes After	0
Crestview	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	0
Davie	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	0
Edgewood	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Florida City	Total Intersections	1	Fatality Crashes Before	1	Fatality Crashes After	0
Gulf Breeze	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Kissimmee	Total Intersections	2	Fatality Crashes Before	1	Fatality Crashes After	2
Lakeland	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	0
Maitland	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Manatee County BOCC	Total Intersections	2	Fatality Crashes Before	2	Fatality Crashes After	2
Medley	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	1
Miami Gardens	Total Intersections	6	Fatality Crashes Before	3	Fatality Crashes After	2
Miami Springs	Total Intersections	2	Fatality Crashes Before	1	Fatality Crashes After	1
Midway	Total Intersections	1	Fatality Crashes Before	2	Fatality Crashes After	0
Milton (Santa Rosa County)	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
North Miami Beach	Total Intersections	3	Fatality Crashes Before	1	Fatality Crashes After	2
Ocoee	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	1
Orange County BOCC	Total Intersections	14	Fatality Crashes Before	3	Fatality Crashes After	3
Orange Park	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Orlando	Total Intersections	5	Fatality Crashes Before	6	Fatality Crashes After	0
Osceola County BOCC	Total Intersections	3	Fatality Crashes Before	0	Fatality Crashes After	3
Pembroke Pines	Total Intersections	3	Fatality Crashes Before	3	Fatality Crashes After	0
Pinecrest	Total Intersections	3	Fatality Crashes Before	0	Fatality Crashes After	0
Sarasota	Total Intersections	4	Fatality Crashes Before	2	Fatality Crashes After	2
South Miami	Total Intersections	2	Fatality Crashes Before	1	Fatality Crashes After	3
Sunrise	Total Intersections	5	Fatality Crashes Before	0	Fatality Crashes After	1
Sweetwater	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Tampa	Total Intersections	3	Fatality Crashes Before	0	Fatality Crashes After	2
West Miami	Total Intersections	1	Fatality Crashes Before	1	Fatality Crashes After	0
GRAND TOTAL	Total Intersections	69	Fatality Crashes Before	30	Fatality Crashes After	26

Appendix B: Total Crashes Caused by Running Red Lights, Before and After R L C Implementation by Jurisdiction						
Aventura	Total intersections	1	Total Crashes Before	3	Total Crashes After	2
Boynton Beach	Total intersections	4	Total Crashes Before	8	Total Crashes After	16
Coral Gables	Total Intersections	3	Total Crashes Before	10	Total Crashes After	11
Crestview	Total Intersections	2	Total Crashes Before	3	Total Crashes After	3
Davie	Total Intersections	1	Total Crashes Before	0	Total Crashes After	1
Edgewood	Total Intersections	2	Total Crashes Before	5	Total Crashes After	1
Florida City	Total Intersections	1	Total Crashes Before	18	Total Crashes After	19
Gulf Breeze	Total Intersections	1	Total Crashes Before	0	Total Crashes After	0
Kissimmee	Total Intersections	2	Total Crashes Before	8	Total Crashes After	10
Lakeland	Total Intersections	6	Total Crashes Before	6	Total Crashes After	6
Maitland	Total Intersections	2	Total Crashes Before	6	Total Crashes After	2
Manatee County BOCC	Total Intersections	5	Total Crashes Before	14	Total Crashes After	11
Medley	Total Intersections	5	Total Crashes Before	7	Total Crashes After	3
Miami Gardens	Total Intersections	8	Total Crashes Before	16	Total Crashes After	16
Miami Springs	Total Intersections	3	Total Crashes Before	6	Total Crashes After	4
Midway	Total Intersections	1	Total Crashes Before	1	Total Crashes After	1
Milton (Santa Rosa County)	Total Intersections	1	Total Crashes Before	0	Total Crashes After	1
North Miami Beach	Total Intersections	3	Total Crashes Before	3	Total Crashes After	0
Ocoee	Total Intersections	4	Total Crashes Before	5	Total Crashes After	3
Orange County BOCC	Total Intersections	28	Total Crashes Before	73	Total Crashes After	85
Orange Park	Total Intersections	2	Total Crashes Before	6	Total Crashes After	2
Orlando	Total Intersections	15	Total Crashes Before	118	Total Crashes After	97
Osceola County BOCC	Total Intersections	9	Total Crashes Before	19	Total Crashes After	19
Pembroke Pines	Total Intersections	4	Total Crashes Before	23	Total Crashes After	24
Pincrest	Total Intersections	6	Total Crashes Before	9	Total Crashes After	6
Sarasota	Total Intersections	10	Total Crashes Before	13	Total Crashes After	30
South Miami	Total Intersections	4	Total Crashes Before	4	Total Crashes After	8
Sunrise	Total Intersections	8	Total Crashes Before	8	Total Crashes After	9
Sweetwater	Total Intersections	3	Total Crashes Before	9	Total Crashes After	12
Tampa	Total Intersections	7	Total Crashes Before	14	Total Crashes After	8
West Miami	Total Intersections	2	Total Crashes Before	1	Total Crashes After	1
GRAND TOTAL	Total Intersections	153	Total Crashes Before	416	Total Crashes After	411

Appendix B: Non-Motorist Crashes Involving Running Red Lights, Before and After R L C Implementation, by Jurisdiction						
Aventura	Total intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Boynton Beach	Total intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Coral Gables	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Crestview	Total Intersections	1	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Davie	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Edgewood	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Florida City	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Gulf Breeze	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Kissimmee	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Lakeland	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Maitland	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Manatee County BOCC	Total Intersections	1	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	0
Medley	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Miami Gardens	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Miami Springs	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Midway	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Milton (Santa Rosa County)	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
North Miami Beach	Total Intersections	1	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Ocoee	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Orange County BOCC	Total Intersections	2	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	1
Orange Park	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Orlando	Total Intersections	3	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	2
Osceola County BOCC	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Pembroke Pines	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Pinecrest	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Sarasota	Total Intersections	1	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	1
South Miami	Total Intersections	2	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	2
Sunrise	Total Intersections	1	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	1
Sweetwater	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Tampa	Total Intersections	2	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	1
West Miami	Total Intersections	0	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
GRAND TOTAL	Total Intersections	14	Non-Motorist Crashes Before	5	Non-Motorist Crashes After	8

Appendix B: Rear-End Crashes Involving Running Red Lights, Before and After R L C Implementation, by Jurisdiction						
Aventura	Total intersections	1	Rear-End Crashes Before	0	Rear-End Crashes After	0
Boynton Beach	Total intersections	4	Rear-End Crashes Before	1	Rear-End Crashes After	2
Coral Gables	Total Intersections	3	Rear-End Crashes Before	0	Rear-End Crashes After	0
Crestview	Total Intersections	2	Rear-End Crashes Before	0	Rear-End Crashes After	0
Davie	Total Intersections	1	Rear-End Crashes Before	0	Rear-End Crashes After	1
Edgewood	Total Intersections	2	Rear-End Crashes Before	2	Rear-End Crashes After	0
Florida City	Total Intersections	1	Rear-End Crashes Before	4	Rear-End Crashes After	1
Gulf Breeze	Total Intersections	1	Rear-End Crashes Before	0	Rear-End Crashes After	0
Kissimmee	Total Intersections	2	Rear-End Crashes Before	0	Rear-End Crashes After	0
Lakeland	Total Intersections	6	Rear-End Crashes Before	0	Rear-End Crashes After	0
Maitland	Total Intersections	2	Rear-End Crashes Before	0	Rear-End Crashes After	0
Manatee County BOCC	Total Intersections	5	Rear-End Crashes Before	2	Rear-End Crashes After	0
Medley	Total Intersections	5	Rear-End Crashes Before	0	Rear-End Crashes After	1
Miami Gardens	Total Intersections	8	Rear-End Crashes Before	1	Rear-End Crashes After	2
Miami Springs	Total Intersections	3	Rear-End Crashes Before	0	Rear-End Crashes After	0
Midway	Total Intersections	1	Rear-End Crashes Before	0	Rear-End Crashes After	0
Milton (Santa Rosa County)	Total Intersections	1	Rear-End Crashes Before	0	Rear-End Crashes After	0
North Miami Beach	Total Intersections	3	Rear-End Crashes Before	0	Rear-End Crashes After	0
Ocoee	Total Intersections	4	Rear-End Crashes Before	0	Rear-End Crashes After	1
Orange County BOCC	Total Intersections	28	Rear-End Crashes Before	1	Rear-End Crashes After	4
Orange Park	Total Intersections	2	Rear-End Crashes Before	0	Rear-End Crashes After	0
Orlando	Total Intersections	15	Rear-End Crashes Before	2	Rear-End Crashes After	1
Osceola County BOCC	Total Intersections	9	Rear-End Crashes Before	0	Rear-End Crashes After	0
Pembroke Pines	Total Intersections	4	Rear-End Crashes Before	1	Rear-End Crashes After	1
Pincrest	Total Intersections	6	Rear-End Crashes Before	0	Rear-End Crashes After	0
Sarasota	Total Intersections	10	Rear-End Crashes Before	0	Rear-End Crashes After	1
South Miami	Total Intersections	4	Rear-End Crashes Before	1	Rear-End Crashes After	1
Sunrise	Total Intersections	8	Rear-End Crashes Before	0	Rear-End Crashes After	0
Sweetwater	Total Intersections	3	Rear-End Crashes Before	1	Rear-End Crashes After	0
Tampa	Total Intersections	7	Rear-End Crashes Before	1	Rear-End Crashes After	1
West Miami	Total Intersections	2	Rear-End Crashes Before	0	Rear-End Crashes After	0
GRAND TOTAL	Total Intersections	153	Rear-End Crashes Before	17	Rear-End Crashes After	17

Appendix B: Angle Crashes Involving Running Red Lights, Before and After R L C Implementation, by Jurisdiction						
Aventura	Total intersections	1	Angle Crashes Before	2	Angle Crashes After	1
Boynton Beach	Total intersections	4	Angle Crashes Before	4	Angle Crashes After	13
Coral Gables	Total Intersections	3	Angle Crashes Before	9	Angle Crashes After	11
Crestview	Total Intersections	2	Angle Crashes Before	2	Angle Crashes After	2
Davie	Total Intersections	1	Angle Crashes Before	0	Angle Crashes After	0
Edgewood	Total Intersections	2	Angle Crashes Before	1	Angle Crashes After	1
Florida City	Total Intersections	1	Angle Crashes Before	12	Angle Crashes After	11
Gulf Breeze	Total Intersections	1	Angle Crashes Before	0	Angle Crashes After	0
Kissimmee	Total Intersections	2	Angle Crashes Before	6	Angle Crashes After	9
Lakeland	Total Intersections	6	Angle Crashes Before	6	Angle Crashes After	6
Maitland	Total Intersections	2	Angle Crashes Before	5	Angle Crashes After	1
Manatee County BOCC	Total Intersections	5	Angle Crashes Before	9	Angle Crashes After	10
Medley	Total Intersections	5	Angle Crashes Before	6	Angle Crashes After	0
Miami Gardens	Total Intersections	8	Angle Crashes Before	10	Angle Crashes After	12
Miami Springs	Total Intersections	3	Angle Crashes Before	4	Angle Crashes After	2
Midway	Total Intersections	1	Angle Crashes Before	0	Angle Crashes After	0
Milton (Santa Rosa County)	Total Intersections	1	Angle Crashes Before	0	Angle Crashes After	1
North Miami Beach	Total Intersections	3	Angle Crashes Before	3	Angle Crashes After	0
Ocoee	Total Intersections	4	Angle Crashes Before	4	Angle Crashes After	2
Orange County BOCC	Total Intersections	28	Angle Crashes Before	55	Angle Crashes After	63
Orange Park	Total Intersections	2	Angle Crashes Before	5	Angle Crashes After	1
Orlando	Total Intersections	15	Angle Crashes Before	85	Angle Crashes After	74
Osceola County BOCC	Total Intersections	9	Angle Crashes Before	13	Angle Crashes After	17
Pembroke Pines	Total Intersections	4	Angle Crashes Before	13	Angle Crashes After	18
Pincrest	Total Intersections	6	Angle Crashes Before	7	Angle Crashes After	5
Sarasota	Total Intersections	10	Angle Crashes Before	7	Angle Crashes After	22
South Miami	Total Intersections	4	Angle Crashes Before	2	Angle Crashes After	3
Sunrise	Total Intersections	8	Angle Crashes Before	8	Angle Crashes After	8
Sweetwater	Total Intersections	3	Angle Crashes Before	4	Angle Crashes After	9
Tampa	Total Intersections	7	Angle Crashes Before	9	Angle Crashes After	6
West Miami	Total Intersections	2	Angle Crashes Before	1	Angle Crashes After	0
GRAND TOTAL	Total Intersections	153	Angle Crashes Before	292	Angle Crashes After	308

Appendix B: Property Damage Only Crashes Involving Running Red Lights, Before and After R L C Implementation, by Jurisdiction						
Aventura	Total intersections	1	Property Damage Crashes Before	1	Property Damage Crashes After	2
Boynton Beach	Total intersections	3	Property Damage Crashes Before	4	Property Damage Crashes After	9
Coral Gables	Total Intersections	3	Property Damage Crashes Before	1	Property Damage Crashes After	3
Crestview	Total Intersections	2	Property Damage Crashes Before	2	Property Damage Crashes After	0
Davie	Total Intersections	1	Property Damage Crashes Before	0	Property Damage Crashes After	1
Edgewood	Total Intersections	2	Property Damage Crashes Before	1	Property Damage Crashes After	1
Florida City	Total Intersections	1	Property Damage Crashes Before	12	Property Damage Crashes After	15
Gulf Breeze	Total Intersections	1	Property Damage Crashes Before	0	Property Damage Crashes After	0
Kissimmee	Total Intersections	2	Property Damage Crashes Before	2	Property Damage Crashes After	5
Lakeland	Total Intersections	5	Property Damage Crashes Before	3	Property Damage Crashes After	2
Maitland	Total Intersections	2	Property Damage Crashes Before	4	Property Damage Crashes After	1
Manatee County BOCC	Total Intersections	4	Property Damage Crashes Before	4	Property Damage Crashes After	1
Medley	Total Intersections	4	Property Damage Crashes Before	4	Property Damage Crashes After	1
Miami Gardens	Total Intersections	7	Property Damage Crashes Before	7	Property Damage Crashes After	8
Miami Springs	Total Intersections	3	Property Damage Crashes Before	5	Property Damage Crashes After	2
Midway	Total Intersections	1	Property Damage Crashes Before	0	Property Damage Crashes After	1
Milton (Santa Rosa County)	Total Intersections	0	Property Damage Crashes Before	0	Property Damage Crashes After	0
North Miami Beach	Total Intersections	2	Property Damage Crashes Before	0	Property Damage Crashes After	0
Ocoee	Total Intersections	3	Property Damage Crashes Before	1	Property Damage Crashes After	2
Orange County BOCC	Total Intersections	27	Property Damage Crashes Before	39	Property Damage Crashes After	36
Orange Park	Total Intersections	2	Property Damage Crashes Before	1	Property Damage Crashes After	1
Orlando	Total Intersections	15	Property Damage Crashes Before	51	Property Damage Crashes After	46
Osceola County BOCC	Total Intersections	9	Property Damage Crashes Before	10	Property Damage Crashes After	5
Pembroke Pines	Total Intersections	4	Property Damage Crashes Before	10	Property Damage Crashes After	9
Pincrest	Total Intersections	6	Property Damage Crashes Before	5	Property Damage Crashes After	3
Sarasota	Total Intersections	10	Property Damage Crashes Before	4	Property Damage Crashes After	12
South Miami	Total Intersections	2	Property Damage Crashes Before	0	Property Damage Crashes After	4
Sunrise	Total Intersections	8	Property Damage Crashes Before	4	Property Damage Crashes After	3
Sweetwater	Total Intersections	3	Property Damage Crashes Before	7	Property Damage Crashes After	7
Tampa	Total Intersections	7	Property Damage Crashes Before	4	Property Damage Crashes After	1
West Miami	Total Intersections	2	Property Damage Crashes Before	1	Property Damage Crashes After	1
GRAND TOTAL	Total Intersections	142	Property Damage Crashes Before	187	Property Damage Crashes After	182

Appendix B: Injury Crashes Involving Running Red Lights, Before and After R L C Implementation, by Jurisdiction						
Aventura	Total intersections	1	Injury Crashes Before	2	Injury Crashes After	0
Boynton Beach	Total intersections	4	Injury Crashes Before	3	Injury Crashes After	7
Coral Gables	Total Intersections	3	Injury Crashes Before	9	Injury Crashes After	8
Crestview	Total Intersections	1	Injury Crashes Before	1	Injury Crashes After	3
Davie	Total Intersections	1	Injury Crashes Before	0	Injury Crashes After	0
Edgewood	Total Intersections	2	Injury Crashes Before	4	Injury Crashes After	0
Florida City	Total Intersections	1	Injury Crashes Before	6	Injury Crashes After	4
Gulf Breeze	Total Intersections	1	Injury Crashes Before	0	Injury Crashes After	0
Kissimmee	Total Intersections	2	Injury Crashes Before	6	Injury Crashes After	4
Lakeland	Total Intersections	6	Injury Crashes Before	3	Injury Crashes After	4
Maitland	Total Intersections	1	Injury Crashes Before	2	Injury Crashes After	1
Manatee County BOCC	Total Intersections	5	Injury Crashes Before	10	Injury Crashes After	9
Medley	Total Intersections	4	Injury Crashes Before	3	Injury Crashes After	2
Miami Gardens	Total Intersections	8	Injury Crashes Before	9	Injury Crashes After	8
Miami Springs	Total Intersections	3	Injury Crashes Before	1	Injury Crashes After	2
Midway	Total Intersections	1	Injury Crashes Before	1	Injury Crashes After	0
Milton (Santa Rosa County)	Total Intersections	1	Injury Crashes Before	0	Injury Crashes After	1
North Miami Beach	Total Intersections	3	Injury Crashes Before	3	Injury Crashes After	0
Ocoee	Total Intersections	4	Injury Crashes Before	4	Injury Crashes After	1
Orange County BOCC	Total Intersections	28	Injury Crashes Before	34	Injury Crashes After	49
Orange Park	Total Intersections	2	Injury Crashes Before	5	Injury Crashes After	1
Orlando	Total Intersections	15	Injury Crashes Before	66	Injury Crashes After	51
Osceola County BOCC	Total Intersections	9	Injury Crashes Before	9	Injury Crashes After	14
Pembroke Pines	Total Intersections	4	Injury Crashes Before	13	Injury Crashes After	15
Pincrest	Total Intersections	5	Injury Crashes Before	4	Injury Crashes After	3
Sarasota	Total Intersections	10	Injury Crashes Before	9	Injury Crashes After	18
South Miami	Total Intersections	4	Injury Crashes Before	4	Injury Crashes After	3
Sunrise	Total Intersections	8	Injury Crashes Before	4	Injury Crashes After	6
Sweetwater	Total Intersections	2	Injury Crashes Before	2	Injury Crashes After	5
Tampa	Total Intersections	7	Injury Crashes Before	10	Injury Crashes After	6
West Miami	Total Intersections	2	Injury Crashes Before	0	Injury Crashes After	0
GRAND TOTAL	Total Intersections	148	Injury Crashes Before	227	Injury Crashes After	225

Appendix B: Fatality Crashes Involving Running Red Lights, Before and After R L C Implementation, by Jurisdiction						
Aventura	Total intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Boynton Beach	Total intersections	1	Fatality Crashes Before	1	Fatality Crashes After	0
Coral Gables	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Crestview	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Davie	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Edgewood	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Florida City	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Gulf Breeze	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Kissimmee	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	1
Lakeland	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Maitland	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Manatee County BOCC	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	1
Medley	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Miami Gardens	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Miami Springs	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Midway	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Milton (Santa Rosa County)	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
North Miami Beach	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Ocoee	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Orange County BOCC	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	0
Orange Park	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Orlando	Total Intersections	1	Fatality Crashes Before	1	Fatality Crashes After	0
Osceola County BOCC	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Pembroke Pines	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Pincrest	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Sarasota	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
South Miami	Total Intersections	1	Fatality Crashes Before	0	Fatality Crashes After	1
Sunrise	Total Intersections	2	Fatality Crashes Before	0	Fatality Crashes After	0
Sweetwater	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
Tampa	Total Intersections	2	Fatality Crashes Before	0	Fatality Crashes After	1
West Miami	Total Intersections	0	Fatality Crashes Before	0	Fatality Crashes After	0
GRAND TOTAL	Total Intersections	10	Fatality Crashes Before	2	Fatality Crashes After	4

Appendix C: Non-Motorist Crashes, Before and After R L C Implementation, by Jurisdiction						
Aventura	Total intersections	1	Non-Motorist Crashes Before	3	Non-Motorist Crashes After	3
Boynton Beach	Total intersections	4	Non-Motorist Crashes Before	7	Non-Motorist Crashes After	7
Coral Gables	Total Intersections	3	Non-Motorist Crashes Before	6	Non-Motorist Crashes After	4
Crestview	Total Intersections	2	Non-Motorist Crashes Before	4	Non-Motorist Crashes After	0
Davie	Total Intersections	1	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	0
Edgewood	Total Intersections	1	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	1
Florida City	Total Intersections	1	Non-Motorist Crashes Before	10	Non-Motorist Crashes After	21
Gulf Breeze	Total Intersections	1	Non-Motorist Crashes Before	0	Non-Motorist Crashes After	1
Kissimmee	Total Intersections	2	Non-Motorist Crashes Before	12	Non-Motorist Crashes After	8
Lakeland	Total Intersections	6	Non-Motorist Crashes Before	6	Non-Motorist Crashes After	4
Maitland	Total Intersections	2	Non-Motorist Crashes Before	3	Non-Motorist Crashes After	3
Manatee County BOCC	Total Intersections	5	Non-Motorist Crashes Before	21	Non-Motorist Crashes After	13
Medley	Total Intersections	1	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	0
Miami Gardens	Total Intersections	7	Non-Motorist Crashes Before	7	Non-Motorist Crashes After	10
Miami Springs	Total Intersections	3	Non-Motorist Crashes Before	3	Non-Motorist Crashes After	1
Midway	Total Intersections	1	Non-Motorist Crashes Before	1	Non-Motorist Crashes After	0
Milton (Santa Rosa County)	Total Intersections	1	Non-Motorist Crashes Before	2	Non-Motorist Crashes After	0
North Miami Beach	Total Intersections	3	Non-Motorist Crashes Before	4	Non-Motorist Crashes After	5
Ocoee	Total Intersections	4	Non-Motorist Crashes Before	4	Non-Motorist Crashes After	2
Orange County BOCC	Total Intersections	27	Non-Motorist Crashes Before	69	Non-Motorist Crashes After	70
Orange Park	Total Intersections	3	Non-Motorist Crashes Before	2	Non-Motorist Crashes After	2
Orlando	Total Intersections	15	Non-Motorist Crashes Before	49	Non-Motorist Crashes After	44
Osceola County BOCC	Total Intersections	9	Non-Motorist Crashes Before	8	Non-Motorist Crashes After	13
Pembroke Pines	Total Intersections	4	Non-Motorist Crashes Before	8	Non-Motorist Crashes After	8
Pincrest	Total Intersections	7	Non-Motorist Crashes Before	6	Non-Motorist Crashes After	3
Sarasota	Total Intersections	10	Non-Motorist Crashes Before	20	Non-Motorist Crashes After	16
South Miami	Total Intersections	4	Non-Motorist Crashes Before	12	Non-Motorist Crashes After	12
Sunrise	Total Intersections	8	Non-Motorist Crashes Before	12	Non-Motorist Crashes After	14
Sweetwater	Total Intersections	2	Non-Motorist Crashes Before	4	Non-Motorist Crashes After	6
Tampa	Total Intersections	7	Non-Motorist Crashes Before	6	Non-Motorist Crashes After	6
West Miami	Total Intersections	1	Non-Motorist Crashes Before	3	Non-Motorist Crashes After	1
GRAND TOTAL	Total Intersections	146	Non-Motorist Crashes Before	294	Non-Motorist Crashes After	278

Appendix D: Glossary of Terms

Angle Crash	A crash in which two vehicles impact at an angle. For example, the front of one vehicle impacts the side of another vehicle.
Rear-End Crash	A crash in which the front of one vehicle impacts the back of another vehicle.
Non-Injury Crash	A crash in which no persons involved were injured.
Injury Crash	A crash in which any person involved complained of, or showed, any visible signs of injury.
Fatal Crash	A crash in which 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

Red Light Camera Survey Questions for Fiscal Year 2020-2021

Welcome to the Florida Department of Highway Safety and Motor Vehicles 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, 2021.

Remember to submit the supplemental 'Red Light Camera and Intersection Information Table' to: RLC@flhsmv.gov by October 1, 2021.

If you need assistance, or would like a copy of your jurisdiction's response to your previous year's survey, please contact Larry Gowen at (850) 617-2117 or by email at RLC@flhsmv.gov.

Category: Responder Information

Question 1. Please provide the name of the respective jurisdiction (city or county) you represent.

Question 2. What department oversees the red light camera program in your respective jurisdiction?

Question 3. Provide the contact information of the person completing this survey, including name, agency, email address, and phone number.

Question 4. Has your respective jurisdiction **operated red light cameras** within the reporting period of **July 1, 2020 through June 30, 2021**? Yes or No

Category: Program Information

Question 5. What red light camera vendor, or vendors, does your respective jurisdiction use? American Traffic Solutions (also called ATS), Redflex, Xerox, or Other. If Other, please specify, and limit your answer to 300 characters.

Question 6. As of **July 1, 2020**, how many **red light cameras** were operational in your respective jurisdiction? Your answer must be a number.

Question 7. As of **June 30, 2021**, how many **red light cameras** were operational in your respective jurisdiction? Your answer must be a number.

Question 8. As of **July 1, 2020**, at how many **intersections** were red light cameras operational in your respective jurisdiction? Your answer must be a number.

Question 9. As of **June 30, 2021**, at how many **intersections** were red light cameras operational in your respective jurisdiction? Your answer must be a number.

Category: Red Light Camera Violations

Question 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, 2020 - June 30, 2021**. Your answers must be numbers. **Please enter, or copy and paste, 9999999 if you do not know.**

Total number of Notices of Violation, also called N O V's

Number of N O V's Paid

Number of N O V's Contested and Pending

Number of N O V's Contested and Dismissed

Number of N O V's Contested and Upheld

Number of N O V's Issued as Uniform Traffic Citations, also called U T C's

Number of N O V's Pending Issuance as U T C's

Question 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, 2020 - June 30, 2021**? Your answer must be a number. **Please enter, or copy and paste, 9999999 if you do not know.**

Question 12. How does your respective jurisdiction **submit traffic crash data** to the Florida Department of Highway Safety and Motor Vehicles? All Electronically, All Paper, or Both.

Question 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, not necessarily within the current reporting period. Your answer must be a number. **Please enter, or copy and paste, 9999999 if you do not know.**

Question 14. Have **court cases impacted** your respective jurisdiction's **red light camera program**? Yes or No. Please explain. Please limit your answer to 300 characters.

Category: Program Information

Question 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. Factors: Traffic Citation Data, Citizen Complaints, Law Enforcement Officer Observations, Traffic Volume, Pedestrian Safety, Traffic Crash Data, or Other. If Other, please specify, and limit your answer to 300 characters. Please rank each factor as: Very Important, Somewhat Important, Not Important, or Not Applicable.

Question 16. Were **any existing red light cameras** relocated within your respective jurisdiction during the reporting period of **July 1, 2020 - June 30, 2021**? Yes or No. If yes, please provide the number and reason. Please limit your answer to 300 characters.

Question 17. What **factors** are used to **determine the success or failure of each camera location** within your respective jurisdiction? Select all that apply: Change in number of crashes, Change in pedestrian safety, Change in revenue, or Other. If Other, please specify, and limit your answer to 300 characters.

Category: Procedures

Question 18. Who **reviews** the camera **images before Notices of Violation are issued** within your respective jurisdiction? Select all that apply: Law Enforcement Officer, Non-sworn government employee, Non-sworn contractor employee or vendor, or Other. If Other, please specify, and limit your answer to 300 characters.

Question 19. Who **reviews contested Notices of Violation** within your respective jurisdiction? Select all that apply: Law Enforcement Officer, Non-sworn government employee, Non-sworn contractor employee or vendor, or Other. If Other, please specify, and limit your answer to 300 characters.

Question 20. Who **issues Uniform Traffic Citations** if **Notices of Violation are unpaid** within your respective jurisdiction? Select all that apply: Law Enforcement Officer, Non-sworn government employee, Non-sworn contractor employee or vendor, or Other. If Other, please specify, and limit your answer to 300 characters.

Category: Right-Hand Turns

Question 21. Does your respective jurisdiction **issue Notices of Violation** (through red light camera detection) for persons making a **right turn on red signal**? Yes or No.

Question 22. How many **Notices of Violation were issued within your respective jurisdiction for right turn on red** during the reporting period of **July 1, 2020 - June 30, 2021**? Answer must be a number. **Please enter, or copy and paste, 9999999 if you do not know.**

Question 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.** There is no character limit on this answer.

Category: Additional Information

Question 24. What **action, or actions**, has your respective jurisdiction **taken to improve safety measures** as a result of your red light camera program?

At intersections **with** red light cameras: Re-striping, Engineering, Roadway or Geometric Engineering, Signalization or Operations, Lighting, Increased red light camera-specific signage, Increased other type of signage, Education and outreach, or Other. If Other, please specify, and limit your answer to 300 characters.

At intersections **without** red light cameras: Re-striping, Engineering, Roadway or Geometric Engineering, Signalization or Operations, Lighting, Increased red light camera-specific signage, Increased other type of signage, Education and outreach, or Other. If Other, please specify, and limit your answer to 300 characters.

Question 25. Has **red light camera footage** been **used to investigate other crimes** within your respective jurisdiction? Yes or No.

Question 26. If **red light camera footage** has been **used to investigate other crimes** within your respective jurisdiction, please **select all that apply**: Crash investigation, Criminal investigation, Missing person, Not Applicable, or Other. If Other, please specify, and limit your answer to 300 characters.

Question 27. Is your respective jurisdiction **continuing** the **red light camera program** in Fiscal Year **July 1, 2021 - June 30, 2022**? Yes or No.

Question 28. Has your respective jurisdiction **conducted** an independent **red light camera analysis**? Yes or No.

Question 29. Please provide any **specifications or clarifications for any of your answers**. There is no character limit on this answer.

Thank you for completing the Red Light Camera Survey for Fiscal Year 2020-2021. Remember to **submit** the supplemental **'Red Light Camera and Intersection Information Table'** to: RLC@flhsmv.gov **by October 1, 2021.**

Appendix F: Jurisdiction Responses to Survey

Question 1. Please provide the name of the respective jurisdiction, city or county, you represent.

Responses for the questions below are provided for only those jurisdictions that responded to each particular question.

Question 2. What department oversees the red light camera program in your respective jurisdiction?

Aventura	Community Development
Bal Harbour Village	Police Department
Belle Isle	Police Department
Boynton Beach	Boynton Beach Police Department, Traffic Division
Clearwater	Support Services Division
Coral Gables	Coral Gables Police Department
Crestview	Police Department
Davie	Police
Doral	Doral Police Department
Edgewood	Edgewood Police Department
Florida City	Florida City Police Department
Green Cove Springs	Police Department
Gulf Breeze	Police Department
Haines City	Haines City Police Department
Hillsborough County	Hillsborough County Sheriff's Office
Key Biscayne	Traffic Division
Kissimmee	Kissimmee Police Department
Lakeland	Lakeland Police Department
Maitland	Police Department
Manatee County	Public Safety, Code Enforcement
Medley	Police Department
Miami Beach	Miami Beach Police Accident Investigation Unit
Miami Gardens	Traffic Unit
Miami Springs	Police Department
Midway	Midway Police Department
Milton (Santa Rosa County)	Patrol
New Port Richey	Police Department
North Miami Beach	Administration
Ocoee	Police Department
Opa-locka	Opa-locka Police Department
Orange County	Public Works, Traffic Engineering
Orange Park	Orange Park Police Department
Orlando	Orlando Police Department, Transportation Department
Osceola County	Transportation & Transit
Pinecrest	Police Department
Port Richey Inc	Police Department
Sarasota	Sarasota Police Department
South Miami	Police Department
Sunrise	Sunrise Police Department Special Operations Section, Traffic Unit
Sweetwater	Support Services
Tampa	Police Department
West Miami	Traffic Unit
West Park	Political Affairs
Winter Park	Winter Park Police Department

Question 3. Provide the contact information of the person completing this survey, including name, agency, email address, and phone number.

This information is available upon request.

Question 4. Has your respective jurisdiction operated red light cameras within the reporting period of July 1, 2020 through June 30, 2021?

Aventura	Yes
Bal Harbour Village	Yes
Belle Isle	Yes
Boynton Beach	Yes
Clearwater	Yes
Coral Gables	Yes
Crestview	Yes
Davie	Yes
Doral	Yes
Edgewood	Yes
Florida City	Yes
Green Cove Springs	Yes
Gulf Breeze	Yes
Haines City	Yes
Hillsborough County	Yes
Key Biscayne	Yes
Kissimmee	Yes
Lakeland	Yes
Maitland	Yes
Manatee County	Yes
Medley	Yes
Miami Beach	Yes
Miami Gardens	Yes
Miami Springs	Yes
Midway	Yes
Milton (Santa Rosa County)	Yes
New Port Richey	Yes
North Miami Beach	Yes
Ocoee	Yes
Opa-locka	Yes
Orange County	Yes
Orange Park	Yes
Orlando	Yes
Osceola County	Yes
Pinecrest	Yes
Port Richey Inc	Yes
Sarasota	Yes
South Miami	Yes
Sunrise	Yes
Sweetwater	Yes
Tampa	Yes
West Miami	Yes
West Park	Yes
Winter Park	Yes

Question 5. What red light camera vendor, or vendors, does your respective jurisdiction use?

Aventura	American Traffic Solutions
Bal Harbour Village	American Traffic Solutions
Belle Isle	NovoaGlobal
Boynton Beach	American Traffic Solutions
Clearwater	Redflex
Coral Gables	Redspeed
Crestview	Novoa Global
Davie	American Traffic Solutions
Doral	American Traffic Solutions
Edgewood	GATSO
Florida City	American Traffic Solutions
Green Cove Springs	American Traffic Solutions
Gulf Breeze	NovoaGlobal
Haines City	American Traffic Solutions
Hillsborough County	American Traffic Solutions
Key Biscayne	American Traffic Solutions
Kissimmee	Redflex
Lakeland	American Traffic Solutions
Maitland	Sensys Gatso Group
Manatee County	Conduent
Medley	American Traffic Solutions
Miami Beach	Conduent
Miami Gardens	American Traffic Solutions
Miami Springs	American Traffic Solutions
Midway	Senys America
Milton (Santa Rosa County)	American Traffic Solutions
New Port Richey	Verra Mobility
North Miami Beach	American Traffic Solutions
Ocoee	American Traffic Solutions
Opa-locka	American Traffic Solutions
Orange County	American Traffic Solutions
Orange Park	American Traffic Solutions
Orlando	American Traffic Solutions
Osceola County	American Traffic Solutions
Pinecrest	Redflex
Port Richey Inc	American Traffic Solutions
Sarasota	Redspeed USA
South Miami	Redflex
Sunrise	American Traffic Solutions
Sweetwater	American Traffic Solutions
Tampa	American Traffic Solutions
West Miami	American Traffic Solutions
West Park	American Traffic Solutions
Winter Park	Sensys Gatso Group AB

Question 6. As of July 1, 2020, how many red light cameras were operational in your respective jurisdiction?

Aventura	13
Bal Harbour Village	5
Belle Isle	0
Boynton Beach	15
Clearwater	3
Coral Gables	5
Crestview	4
Davie	5
Doral	8
Edgewood	3
Florida City	7
Green Cove Springs	5
Gulf Breeze	6
Haines City	11
Hillsborough County	10
Key Biscayne	4
Kissimmee	19
Lakeland	18
Maitland	4
Manatee County	10
Medley	9
Miami Beach	9
Miami Gardens	26
Miami Springs	3
Midway	2
Milton (Santa Rosa County)	5
New Port Richey	5
North Miami Beach	5
Ocoee	14
Opa-locka	11
Orange County	56
Orange Park	8
Orlando	44
Osceola County	15
Pinecrest	8
Port Richey Inc	5
Sarasota	20
South Miami	4
Sunrise	18
Sweetwater	6
Tampa	50
West Miami	6
West Park	5
Winter Park	8

Question 7. As of June 30, 2021, how many red light cameras were operational in your respective jurisdiction?

Aventura	14
Bal Harbour Village	5
Belle Isle	4
Boynton Beach	15
Clearwater	3
Coral Gables	8
Crestview	4
Davie	5
Doral	8
Edgewood	0
Florida City	3
Green Cove Springs	5
Gulf Breeze	6
Haines City	11
Hillsborough County	10
Key Biscayne	4
Kissimmee	19
Lakeland	18
Maitland	4
Manatee County	18
Medley	9
Miami Beach	9
Miami Gardens	26
Miami Springs	5
Midway	2
Milton (Santa Rosa County)	0
New Port Richey	5
North Miami Beach	5
Ocoee	14
Opa-locka	11
Orange County	54
Orange Park	8
Orlando	37
Osceola County	13
Pinecrest	8
Port Richey Inc	5
Sarasota	20
South Miami	4
Sunrise	18
Sweetwater	6
Tampa	43
West Miami	6
West Park	5
Winter Park	8

Question 8. As of July 1, 2020, at how many intersections were red light cameras operational in your respective jurisdiction? Your answer must be a number.

Aventura	6
Bal Harbour Village	5
Belle Isle	0
Boynton Beach	7
Clearwater	2
Coral Gables	3
Crestview	2
Davie	4
Doral	3
Edgewood	2
Florida City	4
Green Cove Springs	3
Gulf Breeze	3
Haines City	6
Hillsborough County	6
Key Biscayne	3
Kissimmee	10
Lakeland	11
Maitland	3
Manatee County	8
Medley	9
Miami Beach	9
Miami Gardens	15
Miami Springs	3
Midway	2
Milton (Santa Rosa County)	3
New Port Richey	4
North Miami Beach	5
Ocoee	7
Opa-locka	4
Orange County	35
Orange Park	3
Orlando	24
Osceola County	7
Pinecrest	8
Port Richey Inc	2
Sarasota	10
South Miami	4
Sunrise	10
Sweetwater	3
Tampa	22
West Miami	6
West Park	4
Winter Park	6

Question 9. As of June 30, 2021, at how many intersections were red light cameras operational in your respective jurisdiction? Your answer must be a number.

Aventura	6
Bal Harbour Village	5
Belle Isle	4
Boynton Beach	7
Clearwater	2
Coral Gables	5
Crestview	2
Davie	4
Doral	3
Edgewood	0
Florida City	2
Green Cove Springs	3
Gulf Breeze	3
Haines City	6
Hillsborough County	6
Key Biscayne	3
Kissimmee	10
Lakeland	11
Maitland	3
Manatee County	12
Medley	9
Miami Beach	9
Miami Gardens	15
Miami Springs	4
Midway	2
Milton (Santa Rosa County)	0
New Port Richey	4
North Miami Beach	5
Ocoee	7
Opa-locka	4
Orange County	34
Orange Park	3
Orlando	23
Osceola County	6
Pinecrest	8
Port Richey Inc	2
Sarasota	10
South Miami	4
Sunrise	10
Sweetwater	3
Tampa	22
West Miami	6
West Park	4
Winter Park	6

Question 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, 2020 - June 30, 2021.

Total number of Notices of Violation, also called N O V's:	
Aventura	34,994
Bal Harbour Village	14,439
Belle Isle	2,881
Boynton Beach	32,197
Clearwater	15,171
Coral Gables	5,893
Crestview	2,832
Davie	8,127
Doral	15,506
Edgewood	5,128
Florida City	11,017
Green Cove Springs	13,869
Gulf Breeze	11,349
Haines City	23,436
Hillsborough County	43,951
Key Biscayne	1,047
Kissimmee	32,188
Lakeland	22,354
Maitland	3,412
Manatee County	16,640
Medley	13,995
Miami Beach	7,655
Miami Gardens	149,265
Miami Springs	15,203
Midway	0
Milton (Santa Rosa County)	3,521
New Port Richey	13,436
North Miami Beach	49,466
Ocoee	18,294
Opa-locka	0
Orange County	61,933
Orange Park	11,870
Orlando	51,223
Osceola County	10,734
Pinecrest	20,834
Port Richey Inc	13,977
Sarasota	21,987
South Miami	8,075
Sunrise	28,875
Sweetwater	27,667
Tampa	68,110
West Miami	26,882
West Park	5,335
Winter Park	10,529

Number of N O V's Paid:	
Aventura	20,603
Bal Harbour Village	8,472
Belle Isle	2,138
Boynton Beach	21,837
Clearwater	9,453
Coral Gables	3,328
Crestview	2,223
Davie	4,537
Doral	9,973
Edgewood	3,767
Florida City	5,506
Green Cove Springs	10,086
Gulf Breeze	8,828
Haines City	16,357
Hillsborough County	29,530
Key Biscayne	764
Kissimmee	20,560
Lakeland	15,373
Maitland	2,356
Manatee County	11,267
Medley	10,088
Miami Beach	4,186
Miami Gardens	68,610
Miami Springs	8,787
Midway	0
Milton (Santa Rosa County)	2,539
New Port Richey	9,548
North Miami Beach	11,351
Ocoee	12,135
Opa-locka	0
Orange County	39,052
Orange Park	8,165
Orlando	35,606
Osceola County	6,844
Pinecrest	12,894
Port Richey Inc	6,185
Sarasota	15,937
South Miami	5,745
Sunrise	16,578
Sweetwater	17,217
Tampa	42,738
West Miami	11,307
West Park	2,393
Winter Park	8,434

Number of N O V's Contested and Pending:

Aventura	110
Bal Harbour Village	11
Belle Isle	0
Boynton Beach	25
Clearwater	0
Coral Gables	30
Crestview	1
Davie	26
Doral	1
Edgewood	0
Florida City	29
Green Cove Springs	9
Gulf Breeze	0
Haines City	124
Hillsborough County	6,289
Key Biscayne	3
Kissimmee	37
Lakeland	45
Maitland	1
Manatee County	15
Medley	9
Miami Beach	12
Miami Gardens	950
Miami Springs	10
Midway	0
Milton (Santa Rosa County)	0
New Port Richey	14
North Miami Beach	0
Ocoee	36
Opa-locka	0
Orange County	13
Orange Park	5
Orlando	13
Osceola County	6
Pinecrest	25
Port Richey Inc	0
Sarasota	170
South Miami	8
Sunrise	34
Sweetwater	275
Tampa	55
West Miami	0
West Park	17
Winter Park	29

Number of N O V's Contested and Dismissed:

Aventura	80
Bal Harbour Village	12
Belle Isle	0
Boynton Beach	62
Clearwater	6
Coral Gables	2
Crestview	1
Davie	6
Doral	15
Edgewood	7
Florida City	0
Green Cove Springs	10
Gulf Breeze	0
Haines City	24
Hillsborough County	29
Key Biscayne	0
Kissimmee	16
Lakeland	4
Maitland	0
Manatee County	19
Medley	10
Miami Beach	3
Miami Gardens	1,795
Miami Springs	8
Midway	0
Milton (Santa Rosa County)	1
New Port Richey	10
North Miami Beach	1,792
Ocoee	4
Opa-locka	0
Orange County	15
Orange Park	3
Orlando	2
Osceola County	0
Pinecrest	19
Port Richey Inc	11
Sarasota	7
South Miami	13
Sunrise	73
Sweetwater	22
Tampa	132
West Miami	1,005
West Park	12
Winter Park	1

Number of N O V's Contested and Upheld:

Aventura	194
Bal Harbour Village	37
Belle Isle	2
Boynton Beach	245
Clearwater	72
Coral Gables	9
Crestview	1
Davie	39
Doral	83
Edgewood	23
Florida City	3
Green Cove Springs	54
Gulf Breeze	2
Haines City	98
Hillsborough County	161
Key Biscayne	0
Kissimmee	21
Lakeland	769
Maitland	11
Manatee County	24
Medley	54
Miami Beach	11
Miami Gardens	927
Miami Springs	63
Midway	0
Milton (Santa Rosa County)	11
New Port Richey	109
North Miami Beach	0
Ocoee	72
Opa-locka	0
Orange County	179
Orange Park	48
Orlando	128
Osceola County	0
Pinecrest	101
Port Richey Inc	79
Sarasota	95
South Miami	64
Sunrise	189
Sweetwater	58
Tampa	412
West Miami	51
West Park	54
Winter Park	25

Number of N O V's Issued as Uniform Traffic Citations, also called U T C's:

Aventura	12,399
Bal Harbour Village	5,279
Belle Isle	445
Boynton Beach	9,382
Clearwater	4,220
Coral Gables	616
Crestview	586
Davie	3,114
Doral	3,542
Edgewood	1,302
Florida City	4,114
Green Cove Springs	2,824
Gulf Breeze	2,568
Haines City	6,321
Hillsborough County	7,709
Key Biscayne	217
Kissimmee	10,131
Lakeland	5,722
Maitland	605
Manatee County	3,386
Medley	3,287
Miami Beach	1,945
Miami Gardens	8,667
Miami Springs	5,611
Midway	0
Milton (Santa Rosa County)	501
New Port Richey	2,702
North Miami Beach	10,008
Ocoee	5,827
Opa-locka	0
Orange County	17,276
Orange Park	2,915
Orlando	13,143
Osceola County	3,283
Pinecrest	2,426
Port Richey Inc	3,145
Sarasota	2,614
South Miami	2,379
Sunrise	5,582
Sweetwater	8,534
Tampa	22,174
West Miami	0
West Park	2,600
Winter Park	3,128

Number of N O V's Pending Issuance as U T C's:	
Aventura	0
Bal Harbour Village	0
Belle Isle	67
Boynton Beach	0
Clearwater	439
Coral Gables	168
Crestview	0
Davie	0
Doral	0
Edgewood	0
Florida City	0
Green Cove Springs	180
Gulf Breeze	0
Haines City	0
Hillsborough County	6,928
Key Biscayne	0
Kissimmee	282
Lakeland	0
Maitland	0
Manatee County	0
Medley	0
Miami Beach	37
Miami Gardens	0
Miami Springs	0
Midway	0
Milton (Santa Rosa County)	0
New Port Richey	0
North Miami Beach	0
Ocoee	0
Opa-locka	0
Orange County	0
Orange Park	0
Orlando	0
Osceola County	0
Pinecrest	3,452
Port Richey Inc	0
Sarasota	2,152
South Miami	470
Sunrise	0
Sweetwater	0
Tampa	0
West Miami	0
West Park	0
Winter Park	1,542

Question 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, 2020 - June 30, 2021?

Aventura	0
Bal Harbour Village	0
Belle Isle	0
Boynton Beach	87
Clearwater	27
Coral Gables	0
Crestview	0
Davie	0
Doral	0
Edgewood	6
Florida City	0
Green Cove Springs	0
Gulf Breeze	0
Haines City	0
Hillsborough County	0
Key Biscayne	0
Kissimmee	10
Lakeland	223
Maitland	0
Manatee County	12
Medley	0
Miami Beach	19
Miami Gardens	0
Miami Springs	11
Midway	0
Milton (Santa Rosa County)	13
New Port Richey	0
North Miami Beach	150
Ocoee	25
Opa-locka	0
Orange County	13
Orange Park	0
Orlando	41
Osceola County	0
Pinecrest	75
Port Richey Inc	0
Sarasota	0
South Miami	0
Sunrise	0
Sweetwater	0
Tampa	79
West Miami	18
West Park	0
Winter Park	55

Question 12. How does your respective jurisdiction submit traffic crash data to the Florida Department of Highway Safety and Motor Vehicles? Electronically, Paper or Both?

Aventura	All Electronically
Bal Harbour Village	Both
Belle Isle	All Electronically
Boynton Beach	All Electronically
Clearwater	All Electronically
Coral Gables	All Electronically
Crestview	All Electronically
Davie	All Electronically
Doral	All Electronically
Edgewood	All Electronically
Florida City	Both
Green Cove Springs	All Paper
Gulf Breeze	All Electronically
Haines City	All Electronically
Hillsborough County	All Electronically
Key Biscayne	All Electronically
Kissimmee	All Electronically
Lakeland	All Electronically
Maitland	All Electronically
Manatee County	Both
Medley	All Electronically
Miami Beach	All Electronically
Miami Gardens	All Electronically
Miami Springs	All Electronically
Midway	All Electronically
Milton (Santa Rosa County)	All Paper
New Port Richey	Both
North Miami Beach	All Electronically
Ocoee	All Electronically
Opa-locka	All Electronically
Orange County	Both
Orange Park	Both
Orlando	All Electronically
Osceola County	Both
Pinecrest	All Electronically
Port Richey Inc	Both
Sarasota	All Electronically
South Miami	All Electronically
Sunrise	All Electronically
Sweetwater	All Electronically
Tampa	All Electronically
West Miami	All Electronically
West Park	All Electronically
Winter Park	All Electronically

Question 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.

Aventura	3,440
Bal Harbour Village	12,997
Belle Isle	127
Boynton Beach	25,858
Clearwater	8,335
Coral Gables	188
Crestview	450
Davie	289
Doral	14,203
Edgewood	183
Florida City	8,077
Green Cove Springs	12,138
Gulf Breeze	1,517
Haines City	0
Hillsborough County	38,050
Key Biscayne	0
Kissimmee	28,049
Lakeland	18,094
Maitland	149
Manatee County	12,819
Medley	12,542
Miami Beach	14,283
Miami Gardens	94,884
Miami Springs	13,677
Midway	0
Milton (Santa Rosa County)	243
New Port Richey	11,589
North Miami Beach	0
Ocoee	1,836
Opa-locka	0
Orange County	5,037
Orange Park	751
Orlando	4,592
Osceola County	588
Pinecrest	8,214
Port Richey Inc	804
Sarasota	1,351
South Miami	1,795
Sunrise	2,766
Sweetwater	23,846
Tampa	8,625
West Miami	0
West Park	227
Winter Park	9,866

Question 14. Have court cases impacted your respective jurisdiction's red light camera program?		
Aventura	Yes	Jimenez v Aventura upheld by Florida Supreme Court Aventura v. Stein – further affirmed validity of program
Bal Harbour Village	Yes	
Belle Isle	No	We have had no issues.
Boynton Beach	No	
Clearwater	No	
Coral Gables	Yes	
Crestview	No	
Davie	No	
Doral	No	N/A
Edgewood	No	
Florida City	Yes	Yes, they have helped bring in more revenue.
Green Cove Springs	No	
Gulf Breeze	No	
Haines City	No	
Hillsborough County	No	
Key Biscayne	No	
Kissimmee	No	
Lakeland	No	
Maitland	Yes	Court decisions affect the policies and procedures of our program.
Manatee County	No	
Medley	Yes	Due to the pandemic, court cases were suspended in 2020 and started up again in 2021.
Miami Beach	No	
Miami Gardens	Yes	We have experienced a higher level of hearings due to inaccurate reporting of information by the media, stating that the cameras were taken down and ruled by the courts to be illegal.
Miami Springs	No	
Midway	No	
Milton (Santa Rosa County)	No	
New Port Richey	No	
North Miami Beach	Yes	As law is generated it impacts how cities can argue the violations.
Ocoee	No	
Opa-locka	Yes	
Orange County	Yes	
Orange Park	No	
Orlando	No	N/A
Osceola County	No	There has not been any court cases against the program.
Pinecrest	Yes	Both Administrative Hearings and Traffic Court cases were placed on stay due to the COVID-19 pandemic. UTC cases are still backlogged with the Clerk of Courts in Miami-Dade County.
Port Richey Inc	No	
Sarasota	No	
South Miami	No	In May 5, 2017 Order Finding the CSM Red Light Camera program in compliance with the requirements of Jimenez was issued by Judge Steve Leifman under CS#A3MH03E
Sunrise	No	Court cases have not impacted our red light camera program during the requested time frame.
Sweetwater	Yes	on red light violations.
Tampa	No	
West Miami	No	
West Park	No	
Winter Park	No	

Question 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.

Traffic Citation Data:

Aventura	N/A
Bal Harbour Village	Very Important
Belle Isle	Very Important
Boynton Beach	Somewhat Important
Clearwater	Somewhat Important
Coral Gables	Very Important
Crestview	Somewhat Important
Davie	Somewhat Important
Doral	Very Important
Edgewood	Very Important
Florida City	Very Important
Green Cove Springs	Very Important
Gulf Breeze	Very Important
Haines City	Very Important
Hillsborough County	Very Important
Key Biscayne	Somewhat Important
Kissimmee	Very Important
Lakeland	Somewhat Important
Maitland	Very Important
Manatee County	N/A
Medley	Somewhat Important
Miami Beach	Very Important
Miami Gardens	Somewhat Important
Miami Springs	Very Important
Midway	N/A
Milton (Santa Rosa County)	Not Important
New Port Richey	Somewhat Important
North Miami Beach	Very Important
Ocoee	Somewhat Important
Opa-locka	Very Important
Orange County	Somewhat Important
Orange Park	Very Important
Orlando	Very Important
Osceola County	Not Important
Pinecrest	Very Important
Port Richey Inc	Very Important
Sarasota	Very Important
South Miami	Very Important
Sunrise	Very Important
Sweetwater	Somewhat Important
Tampa	N/A
West Miami	Very Important
West Park	Somewhat Important
Winter Park	Very Important

Citizen Complaints:

Aventura	Very Important
Bal Harbour Village	Very Important
Belle Isle	Very Important
Boynton Beach	Somewhat Important
Clearwater	Somewhat Important
Coral Gables	Very Important
Crestview	Very Important
Davie	Somewhat Important
Doral	Very Important
Edgewood	Very Important
Florida City	Very Important
Green Cove Springs	Very Important
Gulf Breeze	Very Important
Haines City	Very Important
Hillsborough County	Very Important
Key Biscayne	Very Important
Kissimmee	Somewhat Important
Lakeland	Somewhat Important
Maitland	Somewhat Important
Manatee County	Somewhat Important
Medley	Very Important
Miami Beach	Very Important
Miami Gardens	Somewhat Important
Miami Springs	Somewhat Important
Midway	N/A
Milton (Santa Rosa County)	Very Important
New Port Richey	Very Important
North Miami Beach	Very Important
Ocoee	Somewhat Important
Opa-locka	Somewhat Important
Orange County	Somewhat Important
Orange Park	Somewhat Important
Orlando	Very Important
Osceola County	Somewhat Important
Pinecrest	Very Important
Port Richey Inc	Very Important
Sarasota	Somewhat Important
South Miami	Very Important
Sunrise	Very Important
Sweetwater	Somewhat Important
Tampa	N/A
West Miami	Very Important
West Park	Somewhat Important
Winter Park	Somewhat Important

Law Enforcement Officer Observations:

Aventura	N/A
Bal Harbour Village	Very Important
Belle Isle	Very Important
Boynton Beach	Very Important
Clearwater	Somewhat Important
Coral Gables	Very Important
Crestview	Very Important
Davie	Somewhat Important
Doral	Very Important
Edgewood	Very Important
Florida City	Very Important
Green Cove Springs	Very Important
Gulf Breeze	Very Important
Haines City	Very Important
Hillsborough County	Very Important
Key Biscayne	Very Important
Kissimmee	Somewhat Important
Lakeland	Somewhat Important
Maitland	Somewhat Important
Manatee County	Very Important
Medley	Very Important
Miami Beach	Very Important
Miami Gardens	Very Important
Miami Springs	Somewhat Important
Midway	Very Important
Milton (Santa Rosa County)	Somewhat Important
New Port Richey	Very Important
North Miami Beach	Very Important
Ocoee	Somewhat Important
Opa-locka	Very Important
Orange County	N/A
Orange Park	Very Important
Orlando	Somewhat Important
Osceola County	Somewhat Important
Pinecrest	Very Important
Port Richey Inc	Very Important
Sarasota	Somewhat Important
South Miami	Very Important
Sunrise	Very Important
Sweetwater	Somewhat Important
Tampa	N/A
West Miami	Very Important
West Park	Somewhat Important
Winter Park	Very Important

Traffic Volume:	
Aventura	Very Important
Bal Harbour Village	Very Important
Belle Isle	Very Important
Boynton Beach	Somewhat Important
Clearwater	Very Important
Coral Gables	Very Important
Crestview	Very Important
Davie	Very Important
Doral	Very Important
Edgewood	Very Important
Florida City	Very Important
Green Cove Springs	Very Important
Gulf Breeze	Very Important
Haines City	Very Important
Hillsborough County	Very Important
Key Biscayne	Very Important
Kissimmee	Very Important
Lakeland	Not Important
Maitland	Very Important
Manatee County	Somewhat Important
Medley	Very Important
Miami Beach	Very Important
Miami Gardens	Very Important
Miami Springs	Not Important
Midway	Very Important
Milton (Santa Rosa County)	N/A
New Port Richey	Very Important
North Miami Beach	Very Important
Ocoee	Somewhat Important
Opa-locka	Very Important
Orange County	Somewhat Important
Orange Park	Very Important
Orlando	Somewhat Important
Osceola County	Somewhat Important
Pinecrest	Very Important
Port Richey Inc	Very Important
Sarasota	Somewhat Important
South Miami	Very Important
Sunrise	Very Important
Sweetwater	Somewhat Important
Tampa	N/A
West Miami	Very Important
West Park	Very Important
Winter Park	Very Important

Pedestrian Safety:

Aventura	Very Important
Bal Harbour Village	Very Important
Belle Isle	Very Important
Boynton Beach	Very Important
Clearwater	Very Important
Coral Gables	Very Important
Crestview	Very Important
Davie	Very Important
Doral	Very Important
Edgewood	Very Important
Florida City	Very Important
Green Cove Springs	Very Important
Gulf Breeze	Very Important
Haines City	Very Important
Hillsborough County	Very Important
Key Biscayne	Very Important
Kissimmee	Very Important
Lakeland	Very Important
Maitland	Very Important
Manatee County	Very Important
Medley	Very Important
Miami Beach	Very Important
Miami Gardens	Very Important
Miami Springs	Very Important
Midway	Very Important
Milton (Santa Rosa County)	Very Important
New Port Richey	Very Important
North Miami Beach	Very Important
Ocoee	Somewhat Important
Opa-locka	Very Important
Orange County	Very Important
Orange Park	Very Important
Orlando	Very Important
Osceola County	Somewhat Important
Pinecrest	Very Important
Port Richey Inc	Very Important
Sarasota	Somewhat Important
South Miami	Very Important
Sunrise	Very Important
Sweetwater	Very Important
Tampa	N/A
West Miami	Very Important
West Park	Very Important
Winter Park	Very Important

Traffic Crash Data:

Aventura	Very Important
Bal Harbour Village	Very Important
Belle Isle	Very Important
Boynton Beach	Very Important
Clearwater	Very Important
Coral Gables	Very Important
Crestview	Very Important
Davie	Very Important
Doral	Very Important
Edgewood	Very Important
Florida City	Very Important
Green Cove Springs	Very Important
Gulf Breeze	Very Important
Haines City	Very Important
Hillsborough County	Very Important
Key Biscayne	Very Important
Kissimmee	Very Important
Lakeland	Somewhat Important
Maitland	Very Important
Manatee County	Very Important
Medley	Very Important
Miami Beach	Very Important
Miami Gardens	Very Important
Miami Springs	Very Important
Midway	Very Important
Milton (Santa Rosa County)	Very Important
New Port Richey	Very Important
North Miami Beach	Very Important
Ocoee	Very Important
Opa-locka	Very Important
Orange County	Very Important
Orange Park	Very Important
Orlando	Very Important
Osceola County	Very Important
Pinecrest	Very Important
Port Richey Inc	Very Important
Sarasota	Very Important
South Miami	Very Important
Sunrise	Very Important
Sweetwater	Somewhat Important
Tampa	Very Important
West Miami	Very Important
West Park	Very Important
Winter Park	Very Important

Other:

Orlando

The City of Orlando places cameras in accordance to angle crash (T-Bone), reports generated by law enforcement personal at the scene of the crash. Each of these crash reports are read and analyzed to determine if the traffic signal was a factor in the angle crash. Crash data is the most useful tool towards supporting road safety camera programs. We have examined intersections with red light cameras, when compared to a similar intersection, (size, traffic volume, etc.) without a camera. The question of volume is only relevant when comparing crash year over year. The findings have shown that overall there are higher numbers of angle crashes at interactions that do not have red light cameras. Overall angle traffic crashes are up throughout the State of Florida. Any reduction in angle crashes is welcomed.

Question 16. Were any existing red light cameras relocated within your respective jurisdiction during the reporting period of July 1, 2020 - June 30, 2021?

Aventura	No
Bal Harbour Village	No
Belle Isle	No
Boynton Beach	No
Clearwater	No
Coral Gables	No
Crestview	No
Davie	No
Doral	No
Edgewood	No
Florida City	No
Green Cove Springs	No
Gulf Breeze	No
Haines City	No
Hillsborough County	No
Key Biscayne	No
Kissimmee	No
Lakeland	No
Maitland	No
Manatee County	No
Medley	No
Miami Beach	No
Miami Gardens	No
Miami Springs	No
Midway	No
Milton (Santa Rosa County)	No
New Port Richey	No
North Miami Beach	No
Ocoee	No
Opa-locka	No
Orange County	No
Orange Park	No
Orlando	No
Osceola County	No
Pinecrest	No
Port Richey Inc	No
Sarasota	No
South Miami	No
Sunrise	No
Sweetwater	No
Tampa	No
West Miami	No
West Park	No
Winter Park	No

Question 17. What factors are used to determine the success or failure of each camera location within your respective jurisdiction?			
Aventura	Change in number of crashes		
Bal Harbour Village	Change in number of crashes	Change in pedestrian safety	
Belle Isle	First-year of the program more data needs to be collected.		
Boynton Beach	Change in number of crashes	Change in pedestrian safety	
Clearwater	Change in number of crashes	Change in pedestrian safety	
Coral Gables	Change in number of crashes	Change in pedestrian safety	
Crestview	Change in number of crashes	Change in pedestrian safety	
Davie	Change in revenue		
Doral	Change in number of crashes	Change in pedestrian safety	
Edgewood	Change in number of crashes	Change in pedestrian safety	
Florida City	Change in number of crashes	Change in pedestrian safety	Change in revenue
Green Cove Springs	Change in number of crashes	Change in pedestrian safety	
Gulf Breeze	Change in number of crashes	Change in pedestrian safety	
Haines City	Change in number of crashes	Change in pedestrian safety	
Hillsborough County	Change in number of crashes	Change in pedestrian safety	
Key Biscayne	Change in number of crashes	Change in pedestrian safety	
Kissimmee	Change in number of crashes	Change in pedestrian safety	
Lakeland	Change in number of crashes	Change in pedestrian safety	
Maitland	Change in number of crashes	Change in pedestrian safety	
Manatee County	The total number of Notices of Violation issued, and whether they increase or decrease on a monthly basis. Each approach is evaluated independently each month.		
Medley	Change in number of crashes	Change in revenue	At this time it is difficult to determine since the pandemic has minimized traffic flow for 2020, and has started to pick up in 2021, as things get somewhat back to normal.
Miami Beach	Change in number of crashes	Change in pedestrian safety	
Miami Gardens	Change in number of crashes	Change in pedestrian safety	
Miami Springs	Change in number of crashes	Change in pedestrian safety	Increase or decrease in the number of violations issued over a specific period of time.
Midway	Change in number of crashes	Change in pedestrian safety	Change in revenue
Milton (Santa Rosa County)	Change in number of crashes		
New Port Richey	Change in number of crashes	Change in pedestrian safety	
North Miami Beach	Change in number of crashes	Change in pedestrian safety	
Ocoee	Change in number of crashes	Change in pedestrian safety	
Opa-locka	Change in number of crashes		
Orange County	Change in number of crashes	Change in pedestrian safety	
Orange Park	Change in number of crashes	Change in pedestrian safety	
Orlando	Change in number of crashes	Change in pedestrian safety	A reduction of angle crashes (T-Bone), and the reduction of violations committed are factors to consider. A reduction in angle crashes and violations indicates a change in driver behavior. One must also take into account the traffic volume, traffic volume are up throughout all of our intersections. Again, the question of volume is only relevant when comparing crash year over year. An increase in traffic volume, coupled with a reduction in violations and angle crashes is an ideal situation. Traffic volume continues to increase throughout the City of Orlando and Central Florida.
Osceola County	Change in number of crashes	Change in pedestrian safety	
Pinecrest	Change in number of crashes	Change in pedestrian safety	
Port Richey Inc	Change in number of crashes	Change in pedestrian safety	
Sarasota	Change in number of crashes		
South Miami	Change in number of crashes	Change in pedestrian safety	
Sunrise	Change in number of crashes	Change in pedestrian safety	
Sweetwater	Change in number of crashes	Change in pedestrian safety	
Tampa	Change in number of crashes		
West Miami	Change in number of crashes	Change in pedestrian safety	
West Park	Decrease in revenue equates to a decrease in violations which is indicative of a successful program.		
Winter Park	Change in number of crashes	Change in pedestrian safety	

Question 18. Who reviews the camera images before Notices of Violation are issued within your respective jurisdiction?			
Aventura	Law Enforcement Officer		
Bal Harbour Village	Law Enforcement Officer		
Belle Isle	Non-sworn government employee		
Boynton Beach	Law Enforcement Officer	Non-sworn government employee	
Clearwater	Law Enforcement Officer	Non-sworn government employee	Retired LEO; Sworn, non-sworn when unavailable.
Coral Gables	Non-sworn government employee		
Crestview	Law Enforcement Officer		
Davie	Non-sworn government employee		
Doral	Law Enforcement Officer		
Edgewood	Non-sworn government employee	Non-sworn contractor employee, or vendor	
Florida City	Law Enforcement Officer		
Green Cove Springs	Law Enforcement Officer		
Gulf Breeze	Law Enforcement Officer	Non-sworn government employee	
Haines City	Law Enforcement Officer		
Hillsborough County	Law Enforcement Officer		
Key Biscayne	Law Enforcement Officer		
Kissimmee	Law Enforcement Officer		
Lakeland	Law Enforcement Officer		
Maitland	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)
Manatee County	Law Enforcement Officer		
Medley	Law Enforcement Officer	Non-sworn government employee	
Miami Beach	Law Enforcement Officer	Non-sworn government employee	
Miami Gardens	Law Enforcement Officer	Non-sworn government employee	
Miami Springs	Law Enforcement Officer	Non-sworn government employee	
Midway	Law Enforcement Officer		
Milton (Santa Rosa County)	Law Enforcement Officer		
New Port Richey	Non-sworn government employee		
North Miami Beach	Law Enforcement Officer	Non-sworn government employee	
Ocoee	Law Enforcement Officer	Non-sworn government employee	Non-sworn contractor employee (vendor)
Opa-locka	Law Enforcement Officer		
Orange County	Non-sworn government employee	Non-sworn contractor employee, or vendor	
Orange Park	Law Enforcement Officer		
Orlando	Non-sworn government employee	Orlando Police Department- utilizes State of Florida Certified Traffic Infraction Enforcement Officers with previous sworn Law Enforcement experience.	
Osceola County	Law Enforcement Officer		
Pinecrest	Law Enforcement Officer		
Port Richey Inc	Non-sworn government employee		
Sarasota	Law Enforcement Officer	Non-sworn government employee	
South Miami	Law Enforcement Officer		
Sunrise	Law Enforcement Officer	Non-sworn government employee	
Sweetwater	Law Enforcement Officer		
Tampa	Law Enforcement Officer		
West Miami	Law Enforcement Officer		
West Park	Non-sworn contractor employee (vendor)		
Winter Park	Law Enforcement Officer	Non-sworn government employee	

Question 19. Who reviews contested Notices of Violation within your respective jurisdiction?			
Aventura	Law Enforcement Officer		
Bal Harbour Village	Law Enforcement Officer		
Belle Isle	Non-sworn government employee		
Boynton Beach	Law Enforcement Officer	Non-sworn government employee	
Clearwater	Law Enforcement Officer	Non-sworn government employee	Retired LEO; Sworn, non-sworn when unavailable.
Coral Gables	Non-sworn government employee		
Crestview	Law Enforcement Officer		
Davie	Non-sworn government employee		
Doral	Law Enforcement Officer		
Edgewood	Non-sworn government employee		
Florida City	Law Enforcement Officer		
Green Cove Springs	Law Enforcement Officer		
Gulf Breeze	Law Enforcement Officer		
Haines City	Law Enforcement Officer		
Hillsborough County	Law Enforcement Officer		
Key Biscayne	Law Enforcement Officer		
Kissimmee	Law Enforcement Officer		
Lakeland	Non-sworn contractor employee (vendor)		
Maitland	Law Enforcement Officer	Non-sworn government employee	Legal Advisor
Manatee County	Law Enforcement Officer		
Medley	Law Enforcement Officer	Non-sworn government employee	
Miami Beach	Law Enforcement Officer	Non-sworn government employee	
Miami Gardens	Law Enforcement Officer		
Miami Springs	Law Enforcement Officer		
Midway	Non-sworn government employee		
Milton (Santa Rosa County)	Non-sworn government employee		
New Port Richey	Non-sworn government employee		
North Miami Beach	Law Enforcement Officer	Non-sworn government employee	
Ocoee	Law Enforcement Officer	Non-sworn government employee	
Opa-locka	Law Enforcement Officer		
Orange County	Non-sworn government employee		
Orange Park	Law Enforcement Officer		
Orlando	Non-sworn government employee	Orlando Police Department- utilizes State of Florida Certified Traffic Infraction Enforcement Officers with previous sworn Law Enforcement experience.	
Osceola County	Law Enforcement Officer		
Pinecrest	Law Enforcement Officer		
Port Richey Inc	Non-sworn government employee		
Sarasota	Law Enforcement Officer		
South Miami	Contested notices of violation are reviewed by a Magistrate during the hearing		
Sunrise	Law Enforcement Officer	Non-sworn government employee	
Sweetwater	Law Enforcement Officer		
Tampa	Hearing Magistrate		
West Miami	Law Enforcement Officer		
West Park	Non-sworn government employee		
Winter Park	Law Enforcement Officer	Non-sworn government employee	

Question 20. Who issues Uniform Traffic Citations if Notices of Violation are unpaid within your respective jurisdiction?			
Aventura	Law Enforcement Officer		
Bal Harbour Village	Law Enforcement Officer		
Belle Isle	Non-sworn government employee		
Boynton Beach	Law Enforcement Officer	Non-sworn government employee	
Clearwater	Law Enforcement Officer	Non-sworn government employee	Retired LEO; Sworn, non-sworn when unavailable.
Coral Gables	Non-sworn government employee		
Crestview	Law Enforcement Officer		
Davie	Non-sworn government employee		
Doral	Law Enforcement Officer		
Edgewood	Non-sworn government employee		
Florida City	Law Enforcement Officer		
Green Cove Springs	Law Enforcement Officer		
Gulf Breeze	Law Enforcement Officer		
Haines City	Law Enforcement Officer		
Hillsborough County	Law Enforcement Officer		
Key Biscayne	Law Enforcement Officer		
Kissimmee	Law Enforcement Officer		
Lakeland	Law Enforcement Officer		
Maitland	Law Enforcement Officer	Non-sworn government employee	
Manatee County	Law Enforcement Officer		
Medley	Law Enforcement Officer	Non-sworn government employee	
Miami Beach	Law Enforcement Officer		
Miami Gardens	Law Enforcement Officer		
Miami Springs	Law Enforcement Officer		
Midway	Law Enforcement Officer		
Milton (Santa Rosa County)	Law Enforcement Officer		
New Port Richey	Non-sworn government employee		
North Miami Beach	Law Enforcement Officer	Non-sworn government employee	
Ocoee	Law Enforcement Officer	Non-sworn government employee	
Opa-locka	Law Enforcement Officer		
Orange County	Non-sworn government employee		
Orange Park	Law Enforcement Officer		
Orlando	Non-sworn government employee	Orlando Police Department- utilizes State of Florida Certified Traffic Infraction Enforcement Officers with previous sworn Law Enforcement experience.	
Osceola County	Law Enforcement Officer		
Pincrest	Law Enforcement Officer		
Port Richey Inc	Non-sworn government employee		
Sarasota	Law Enforcement Officer	Non-sworn government employee	
South Miami	Law Enforcement Officer		
Sunrise	Law Enforcement Officer	Non-sworn government employee	
Sweetwater	Law Enforcement Officer		
Tampa	Law Enforcement Officer		
West Miami	Law Enforcement Officer		
West Park	Non-sworn contractor employee (vendor)		
Winter Park	Law Enforcement Officer	Non-sworn government employee	

Question 21. Does your respective jurisdiction issue Notices of Violation (through red light camera detection) for persons making a right turn on red signal?

Aventura	Yes
Bal Harbour Village	Yes
Belle Isle	Yes
Boynton Beach	No
Clearwater	No
Coral Gables	Yes
Crestview	No
Davie	No
Doral	No
Edgewood	No
Florida City	Yes
Green Cove Springs	Yes
Gulf Breeze	No
Haines City	No
Hillsborough County	No
Key Biscayne	Yes
Kissimmee	Yes
Lakeland	Yes
Maitland	Yes
Manatee County	Yes
Medley	Yes
Miami Beach	Yes
Miami Gardens	Yes
Miami Springs	Yes
Midway	Yes
Milton (Santa Rosa County)	No
New Port Richey	Yes
North Miami Beach	No
Ocoee	Yes
Opa-locka	Yes
Orange County	Yes
Orange Park	No
Orlando	No
Osceola County	No
Pinecrest	No
Port Richey Inc	No
Sarasota	No
South Miami	No
Sunrise	Yes
Sweetwater	Yes
Tampa	Yes
West Miami	Yes
West Park	No
Winter Park	Yes

Question 22. How many Notices of Violation were issued within your respective jurisdiction for right turn on red during the reporting period of July 1, 2020 - June 30, 2021?

Aventura	18,691
Bal Harbour Village	0
Belle Isle	0
Coral Gables	0
Florida City	2,086
Green Cove Springs	72
Key Biscayne	12
Kissimmee	6,126
Lakeland	5,061
Maitland	0
Manatee County	0
Medley	0
Miami Beach	0
Miami Gardens	111,045
Miami Springs	5,084
Midway	0
New Port Richey	33
North Miami Beach	None
Ocoee	10,823
Opa-locka	0
Orange County	272
Sunrise	11,095
Sweetwater	23,440
Tampa	2,944
West Miami	0
West Park	0
Winter Park	0

Question 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. There is no character limit on this answer.
Aventura	careful and prudent or over 5 mph
Bal Harbour Village	Did the vehicle slow down before turning and were pedestrians yield to
Belle Isle	Vehicle does not come to a complete stop given time to observe traffic in a careful and prudent manner.
Coral Gables	Speed, Traffic, Pedestrians
Florida City	We use BRQ and our descretion to determine what is a careful and prudent turn.
Green Cove Springs	Safe and prudent manner
Key Biscayne	We use the same definition as Florida State Statute 316.0083(1)(a)
Kissimmee	Only when right turn on red are prohibited.
Lakeland	Florida State Statute # 316.0083
Maitland	This article shall be interpreted and applied so that it is consistent with state law, specifically, the Mark Wandall Traffic Safety Act, Section 316.0083, Florida Statutes.(b)Any amendment to an applicable state law shall automatically apply to the enforcement and application of this article, whether or not this article or any provision hereof has been amended to specifically address such amendment to state law. Without limitation, any future amendment regarding the amount of civil penalty or apportionment of the proceeds thereof shall be deemed applied to the enforcement of this article, even prior to a specific amendment to this article to make the article expressly consistent with such change in state law with respect to the amount of the penalty or the apportionment of the proceeds thereof.
Manatee County	The camera footage is viewed by a sworn law enforcement deputy employed by the Manatee County Sheriffs 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.
Medley	If the speed is over 18mph or higher, if it violates right of way, or interferes with a pedestrian.
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.
Miami Gardens	For the purposes of administering this section, the department, county, or a municipality may authorize a traffic infraction enforcement officer under 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 a 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.
Miami Springs	The vehicle should be traveling LESS than 15 mph. Drivers must yield to the right of way to other vehicles and to pedestrians attempting to cross the street in the crosswalk.
Midway	Must come to a complete stop before making turn
New Port Richey	Reviewer considers the totality of the circumstances to include, but not limited to: 1) Speed 2) Traffic Volume 3) Weather Conditions 4) Road Conditions 5) Pedestrian Presence
North Miami Beach	Florida Statute is followed
Ocoee	any violator traveling over 12 mph when crossing the speed detector who fails to come to a full and complete stop at or before the apex of the curve of an intersection is deemed not careful and prudent. Florida State Statute for stopping at a red light also applies.
Opa-locka	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 an careless or unsafe manner at an intersection where right-hand turns are permissible
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. This is only illuminated during school operating hours.
Sunrise	A right turn on red conducted at a speed greater than 15 MPH or a vehicle who fails to yield the right of way to pedestrians or other vehicles in the intersection.
Sweetwater	the rest of statute not listed above.
Tampa	Making a right turn greater than 20MPH
West Miami	UNK
West Park	n/a
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

Question 24. What action, or actions, has your respective jurisdiction taken to improve safety measures as a result of your red light camera program?

At intersections with red light cameras:

Aventura	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased red light camera-specific signage	Increased other type of signage	
Bal Harbour Village	Increased red light camera-specific signage	Increased other type of signage					
Belle Isle	Increased red light camera-specific signage	Increased other type of signage					
Boynton Beach	Increased red light camera-specific signage	Education and outreach					
Clearwater	Re-Striping	Engineering, Roadway or Geometric	Lighting	Increased other type of signage	Education and outreach		
Davie	Education and outreach						
Doral	Re-Striping	Lighting	Increased red light camera-specific signage	Increased other type of signage			
Edgewood	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting			
Green Cove Springs	Re-Striping						
Gulf Breeze	Engineering, Signalization or Operations						
Key Biscayne	Re-Striping	Increased red light camera-specific signage	Increased other type of signage	Education and outreach			
Kissimmee	Re-Striping	Increased red light camera-specific signage	Increased other type of signage				
Manatee County	Re-Striping						
Medley	Re-Striping	Engineering, Roadway or Geometric	Education and outreach				
Miami Beach	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased red light camera-specific signage	Education and outreach	
Miami Gardens	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased red light camera-specific signage	Education and outreach	
Miami Springs	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Education and outreach		
Midway	Increased red light camera-specific signage						
Ocoee	Education and outreach						
Opa-locka	Re-Striping	Engineering, Roadway or Geometric					
Orange County	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased red light camera-specific signage	Increased other type of signage	
Orange Park	Re-Striping		Engineering, Signalization or Operations	Lighting			
Orlando	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased red light camera-specific signage	Increased other type of signage	Education and outreach
South Miami	Education and outreach						
Sunrise	Re-Striping	Engineering, Signalization or Operations	Lighting	Education and outreach			
Sweetwater	Increased red light camera-specific signage	Increased other type of signage	Education and outreach				
Tampa	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased red light camera-specific signage	Increased other type of signage	Education and outreach
West Miami	Re-Striping	Lighting	Increased red light camera-specific signage				
West Park	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Education and outreach			

At intersections without red light cameras:

Aventura	Re-Striping	Engineering, Roadway or Geometric	Lighting				
Clearwater	Re-Striping	Engineering, Roadway or Geometric	Lighting	Increased other type of signage	Education and outreach		
Edgewood	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting			
Key Biscayne	Increased other type of signage	Education and outreach					
Kissimmee	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased other type of signage	Education and outreach		
Lakeland	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased red light camera-specific signage	Increased other type of signage	Education and outreach
Medley	Education and outreach						
Miami Gardens	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Education and outreach		
Miami Springs	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Education and outreach		
Ocoee	Education and outreach						
Opa-locka	Re-Striping	Engineering, Roadway or Geometric					
Orange Park	Re-Striping		Engineering, Signalization or Operations	Lighting			
Orlando	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Education and outreach		
South Miami	Education and outreach						
Sunrise	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Education and outreach		
Tampa	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Lighting	Increased other type of signage	Education and outreach	
Winter Park	Re-Striping	Engineering, Roadway or Geometric	Engineering, Signalization or Operations	Increased other type of signage			

Question 25. Has red light camera footage been used to investigate other crimes within your respective jurisdiction?

Aventura	Yes
Bal Harbour Village	Yes
Belle Isle	Yes
Boynton Beach	Yes
Clearwater	Yes
Coral Gables	Yes
Crestview	Yes
Davie	Yes
Doral	Yes
Edgewood	Yes
Florida City	Yes
Green Cove Springs	Yes
Gulf Breeze	Yes
Haines City	Yes
Hillsborough County	Yes
Key Biscayne	Yes
Kissimmee	Yes
Lakeland	Yes
Maitland	Yes
Manatee County	Yes
Medley	Yes
Miami Beach	Yes
Miami Gardens	Yes
Miami Springs	Yes
Midway	Yes
Milton (Santa Rosa County)	Yes
New Port Richey	Yes
North Miami Beach	Yes
Ocoee	Yes
Opa-locka	Yes
Orange County	Yes
Orange Park	Yes
Orlando	Yes
Osceola County	Yes
Pinecrest	Yes
Port Richey Inc	Yes
Sarasota	Yes
South Miami	Yes
Sunrise	Yes
Sweetwater	Yes
Tampa	Yes
West Miami	Yes
West Park	Yes
Winter Park	Yes

Question 26. If red light camera footage has been used to investigate other crimes within your respective jurisdiction, please select all that apply:

Aventura	Crash investigation	Criminal investigation	
Bal Harbour Village	Crash investigation	Criminal investigation	
Belle Isle	Crash investigation	Criminal investigation	
Boynton Beach	Crash investigation	Criminal investigation	Missing person
Clearwater	Crash investigation	Criminal investigation	
Coral Gables	Crash investigation	Criminal investigation	
Davie	Crash investigation	Criminal investigation	
Doral	Crash investigation	Criminal investigation	
Edgewood	Crash investigation	Criminal investigation	Missing person
Florida City	Crash investigation	Criminal investigation	Missing person
Green Cove Springs	Crash investigation	Criminal investigation	Hit and run traffic crash
Gulf Breeze	Crash investigation	Criminal investigation	
Haines City	Crash investigation	Criminal investigation	
Hillsborough County	Crash investigation		
Key Biscayne	Crash investigation	Criminal investigation	
Kissimmee	Crash investigation	Criminal investigation	
Lakeland	Crash investigation	Criminal investigation	Missing person
Maitland	Crash investigation	Criminal investigation	Missing person
Manatee County	Crash investigation	Criminal investigation	
Medley	Crash investigation		
Miami Beach	Crash investigation	Criminal investigation	
Miami Gardens	Crash investigation	Criminal investigation	
Miami Springs	Crash investigation	Criminal investigation	
Midway	Crash investigation	Criminal investigation	
Milton (Santa Rosa County)	Crash investigation	Criminal investigation	Assist other agencies in their investigations also
New Port Richey	Crash investigation	Criminal investigation	
North Miami Beach	Crash investigation	Criminal investigation	
Ocoee	Crash investigation	Criminal investigation	
Opa-locka	Crash investigation	Criminal investigation	
Orange County	Crash investigation	Criminal investigation	Missing person
Orange Park	Crash investigation	Criminal investigation	Missing person
Orlando	Crash investigation	Criminal investigation	
Osceola County	Crash investigation	Criminal investigation	
Pinecrest	Crash investigation	Criminal investigation	
Port Richey Inc	Crash investigation	Criminal investigation	
Sarasota	Crash investigation	Criminal investigation	Missing person
South Miami	Crash investigation	Criminal investigation	
Sunrise	Crash investigation	Criminal investigation	
Sweetwater	Crash investigation	Criminal investigation	Missing person
West Miami	Crash investigation		
West Park	Crash investigation	Criminal investigation	
Winter Park	Crash investigation	Criminal investigation	

Question 27. Is your respective jurisdiction continuing the red light camera program in Fiscal Year July 1, 2021 - June 30, 2022?

Aventura	Yes
Bal Harbour Village	Yes
Belle Isle	Yes
Boynton Beach	Yes
Clearwater	Yes
Coral Gables	Yes
Crestview	Yes
Davie	Yes
Doral	Yes
Edgewood	No
Florida City	Yes
Green Cove Springs	Yes
Gulf Breeze	Yes
Haines City	Yes
Hillsborough County	Yes
Key Biscayne	Yes
Kissimmee	Yes
Lakeland	Yes
Maitland	Yes
Manatee County	Yes
Medley	Yes
Miami Beach	Yes
Miami Gardens	Yes
Miami Springs	Yes
Midway	No
Milton (Santa Rosa County)	No
New Port Richey	Yes
North Miami Beach	Yes
Ocoee	Yes
Opa-locka	Yes
Orange County	Yes
Orange Park	Yes
Orlando	Yes
Osceola County	Yes
Pinecrest	Yes
Port Richey Inc	Yes
Sarasota	Yes
South Miami	Yes
Sunrise	Yes
Sweetwater	Yes
Tampa	Yes
West Miami	Yes
West Park	Yes
Winter Park	Yes

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

Aventura	No
Bal Harbour Village	No
Belle Isle	No
Boynton Beach	No
Clearwater	No
Coral Gables	No
Crestview	No
Davie	No
Doral	No
Edgewood	No
Florida City	No
Green Cove Springs	No
Gulf Breeze	No
Haines City	No
Hillsborough County	No
Key Biscayne	No
Kissimmee	Yes
Lakeland	No
Maitland	Yes
Manatee County	No
Medley	No
Miami Beach	No
Miami Gardens	Yes
Miami Springs	No
Midway	No
Milton (Santa Rosa County)	No
New Port Richey	No
North Miami Beach	Yes
Ocoee	No
Opa-locka	Yes
Orange County	Yes
Orange Park	No
Orlando	No
Osceola County	No
Pinecrest	No
Port Richey Inc	No
Sarasota	No
South Miami	No
Sunrise	Yes
Sweetwater	No
Tampa	No
West Miami	No
West Park	No
Winter Park	No

Question 29. Please provide any specifications or clarifications for any of your answers.**There is no character limit on this answer.**

Aventura	none
Belle Isle	None
Clearwater	N/A
Coral Gables	N/A
Doral	N/A
Kissimmee	none
Manatee County	N/A
Medley	Due to the pandemic, all of the data collected does not accurately calculate the normal traffic flow that we were used to. It has drastically started to pick up and the numbers next year should increase.
Miami Gardens	N/A
Milton (Santa Rosa County)	City Council canceled program May 3, 2021. We no longer have red-light cameras.
New Port Richey	9999999
North Miami Beach	N/A
Orange County	Re-location of cameras
Orlando	<p>In regards to Question 13: 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. Question 15, Question 17, Question 24: Crash Data are very useful tools to support the implementation, continuance, and improvements of Red Light Camera 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: Question 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. Question 2, Is the crash in same directional approach, and in relation with the directional approach of the camera? Example: 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. Question 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>
Sunrise	N/A
West Miami	N/A
West Park	n/a

Appendix G: Right Turn on Red Definitions by Jurisdiction, as taken from responses to Question 23.

Aventura	careful and prudent or over 5 mph
Bal Harbour Village	Did the vehicle slow down before turning and were pedestrians yield to
Belle Isle	Vehicle does not come to a complete stop given time to observe traffic in a careful and prudent manner.
Coral Gables	Speed, Traffic, Pedestrians
Florida City	We use BRQ and our descretion to determine what is a careful and prudent turn.
Green Cove Springs	Safe and prudent manner
Key Biscayne	We use the same definition as Florida State Statute 316.0083(1)(a)
Kissimmee	Only when right turn on red are prohibited.
Lakeland	Florida State Statute # 316.0083
Maitland	This article shall be interpreted and applied so that it is consistent with state law, specifically, the Mark Wandall Traffic Safety Act, Section 316.0083, Florida Statutes.(b)Any amendment to an applicable state law shall automatically apply to the enforcement and application of this article, whether or not this article or any provision hereof has been amended to specifically address such amendment to state law. Without limitation, any future amendment regarding the amount of civil penalty or apportionment of the proceeds thereof shall be deemed applied to the enforcement of this article, even prior to a specific amendment to this article to make the article expressly consistent with such change in state law with respect to the amount of the penalty or the apportionment of the proceeds thereof.
Manatee County	The camera footage is viewed by a sworn law enforcement deputy employed by the Manatee County Sheriffs 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.
Medley	If the speed is over 18mph or higher, if it violates right of way, or interferes with a pedestrian.
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.
Miami Gardens	For the purposes of administering this section, the department, county, or a municipality may authorize a traffic infraction enforcement officer under 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 a 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.
Miami Springs	The vehicle should be traveling LESS than 15 mph. Drivers must yield to the right of way to other vehicles and to pedestrians attempting to cross the street in the crosswalk.
Midway	Must come to a complete stop before making turn
New Port Richey	Reviewer considers the totality of the circumstances to include, but not limited to: 1) Speed 2) Traffic Volume 3) Weather Conditions 4) Road Conditions 5) Pedestrian Presence
North Miami Beach	Florida Statute is followed

Ocoee	any violator traveling over 12 mph when crossing the speed detector who fails to come to a full and complete stop at or before the apex of the curve of an intersection is deemed not careful and prudent. Florida State Statute for stopping at a red light also applies.
Opa-locka	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 an careless or unsafe manner at an intersection where right-hand turns are permissible
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. This is only illuminated during school operating hours.
Sunrise	A right turn on red conducted at a speed greater than 15 MPH or a vehicle who fails to yield the right of way to pedestrians or other vehicles in the intersection.
Sweetwater	the rest of statute not listed above.
Tampa	Making a right turn greater than 20MPH
West Miami	UNK
West Park	n/a
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