



December 29, 2021

Honorable Ron DeSantis
Governor of Florida
PL5, The Capitol
400 South Monroe Street
Tallahassee, FL 32399

Honorable Wilton Simpson
Senate President
409 The Capitol
404 South Monroe Street
Tallahassee, FL 32399

Honorable Chris Sprowls
Speaker of the House
420 The Capitol
402 South Monroe Street
Tallahassee, FL 32399

Dear Governor, President and Speaker:

Pursuant to the provisions of [Section 316.0083](#), Florida Statutes, the Department of Highway Safety and Motor Vehicles respectfully submits the enclosed summary report on the use of traffic infraction detectors at red light intersections in Florida.

This report is a compilation of information the Department received from counties and municipalities through an on-line survey. The survey requested information on statistical data, enhancement to traffic safety, and procedural policies or guidelines jurisdictions follow in operating their red light camera programs during Fiscal Year 2020-2021 (July 1, 2020 to June 30, 2021).

The Department requested that survey responses be submitted by October 1, 2021. It should be noted that any actions that jurisdictions may have taken related to their program subsequent to that date would not be reflected in this report. In addition, for your reference, we are including the individual survey responses from each responding jurisdiction.

Should you need additional assistance or have further questions, please do not hesitate to contact me at (850) 617-3100.

Respectfully,

A handwritten signature in black ink, appearing to read 'Terry L. Rhodes', written over the typed name and title.

Terry L. Rhodes
Executive Director



Red Light Camera Summary Report

Leaders in Service • Agents of Progress • Champions for Safety

Fiscal Year 2020–2021

DECEMBER 21, 2021

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 RLC, for simplicity.

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

Notices of Violation will be referred to as NOVs.

Uniform Traffic Citations will be referred to as UTCs.

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

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

Part 1

Survey Methodology

The department created an online survey to gather information and data from jurisdictions responsible for the administration of red light cameras during Fiscal Year 2020-2021. The 29-question survey included topics such as procedures, NOVs, 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 RLC 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 as of July 1, 2020, compared to 510 as of July 1, 2019.
- There were 485 red light cameras active as of June 30, 2021, compared to 504 as of 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 RLCs as of July 1, 2020, compared to 312 as of July 1, 2019.
- There were 297 intersections with active RLCs as of June 30, 2021 compared to 310 as of June 30, 2020.
 - 34 jurisdictions had no change in the number of intersections with RLCs.
 - 4 jurisdictions had an increase in the number of intersections with RLCs, which includes one new jurisdiction with 4 intersections.
 - 6 jurisdictions had a decrease in the number of intersections with RLCs.

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 NOVs were issued. Two jurisdictions indicated they did not have this information at the time they submitted their surveys.
 - 563,297 NOVs 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 UTCs;
 - 15,717 are pending issuance as UTCs; and
 - 145,808 are of unknown status, as availability of NOV status varies by jurisdiction, leaving some in an unknown status.

Table 1 below shows the number of NOVs 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 NOV 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 | Notices of Violation | In-Person Citations |
| 2012-2013 | 1,094,106 | 66,196 |
| 2013-2014 | 940,814 | 59,672 |
| 2014-2015 | 963,039 | 57,546 |
| 2015-2016 | 1,227,927 | 50,755 |
| 2016-2017 | 1,173,232 | 48,129 |
| 2017-2018 | 1,159,392 | 50,249 |
| 2018-2019 | 1,054,234 | 51,939 |
| 2019-2020 | 1,127,450 | 42,879 |
| 2020-2021 | 955,297 | 41,150 |

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

| Table 2: RLC Violations Issued as UTCs | |
|---|-------------|
| Fiscal Year | UTCs |
| 2012-2013 | 356,524 |
| 2013-2014 | 290,535 |
| 2014-2015 | 300,224 |
| 2015-2016 | 383,538 |
| 2016-2017 | 359,289 |
| 2017-2018 | 352,539 |
| 2018-2019 | 332,238 |
| 2019-2020 | 243,604 |
| 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 NOV's, who reviews contested NOV's and who ultimately issues UTC's. Personnel categories included law enforcement officer, non-sworn government employee, non-sworn contractor employee or vendor, and other.

| Table 3: Jurisdiction Counts of Personnel Responsible for NOV and UTC Actions | | | |
|--|-----------------------------|--|--|
| Personnel | Review Camera Images | Review Contested Notices of Violation | Issue Uniform Traffic Citations |
| Law Enforcement Officers | 35 | 30 | 35 |
| Non-Sworn Government Employees | 21 | 20 | 17 |
| Non-Sworn Contractor Employees/Vendors | 5 | 1 | 1 |
| Other Personnel | 2 | 5 | 2 |

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 RLC survey.

Right-Hand Turns

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

An NOV and UTC may not be issued for failure to stop at a red light if the driver is making a right-hand turn in a careful and prudent manner at an intersection where right-hand turns are permissible.

An NOV and UTC may not be issued under this section if the driver of the vehicle came to a complete stop after crossing the stop line and before turning right if permissible at a red light, but failed to stop before crossing over the stop line or other point at which a stop is required.

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 NOV's for persons making right turns on red signals. Nineteen jurisdictions indicated that they do not track the number of violations issued for right turns on red.

Alternative Safety Measures

The department also requested what other actions jurisdictions had taken to improve safety measures at intersections during the reporting period. 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 | | |
|---|------------------------------------|---------------------------------------|
| Safety Measure | At intersections with RLC's | At intersections without RLC's |
| Education and Outreach | 15 | 12 |
| Engineering, Roadway/Geometric | 12 | 12 |
| Engineering, Signalization/Operation | 12 | 10 |
| Increased other type of signage | 11 | 6 |
| Increased RLC-related signage | 15 | 1 |
| Lighting | 14 | 11 |
| Restriping | 19 | 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 | |
|---|--------------------------------|
| Vendor | Number of Jurisdictions |
| American Traffic Solutions or 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 | | |
|---|---------------------------|-------------------|
| Factor | # of Jurisdictions | % of Total |
| 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 RLC Footage | | |
|---|---------------------------|-------------------|
| Use | # of Jurisdictions | % of Total |
| 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 | | | | |
|--|-----------------------|---------------------------|----------------------|-----------------------|
| Factor | Very Important | Somewhat Important | Not Important | Not Applicable |
| Citizen Complaints | 24 | 18 | 0 | 2 |
| Law Enforcement Officer Observations | 28 | 13 | 0 | 3 |
| Pedestrian Safety | 40 | 3 | 0 | 1 |

| | | | | |
|-----------------------|----|----|---|---|
| Traffic Citation Data | 25 | 13 | 2 | 4 |
| Traffic Crash Data | 42 | 2 | 0 | 0 |
| Traffic Volume | 32 | 8 | 2 | 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 | | | |
|--|-------------------|------------------|---------------|
| Feet from Intersection | Number of Crashes | Percent of Total | Running Total |
| 0 Feet | 8,480 | 33.52% | 33.52% |
| 1 to 50 Feet | 8,960 | 35.42% | 68.94% |
| 51 to 100 Feet | 3,999 | 15.81% | 84.74% |
| 101 to 150 Feet | 1,212 | 4.79% | 89.53% |
| 151 to 200 Feet | 1,902 | 7.52% | 97.05% |
| 201 to 250 Feet | 746 | 2.95% | 100.00% |
| Grand Total | 25,299 | 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 | | |
|--|-----------------------------|----------------------------|
| Type of Crash | Before RLC Installed | After RLC Installed |
| Total Crashes | 12,158 | 13,067 |
| Angle Crashes | 2,429 | 2,680 |
| Rear-End Crashes | 6,237 | 6,596 |
| Crashes Involving Non-Motorists | 294 | 278 |
| Property Damage Only Crashes | 8,958 | 9,872 |
| Injury Crashes | 3,167 | 3,153 |
| Fatal Crashes | 30 | 26 |

Data 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 VMT. The probability of a crash occurring increases as people drive more, and VMT in Florida increased 9.08 percent from calendar years 2012 to 2020. For more information, see 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.
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: Crashes Before and After Red Light Implementation by Jurisdiction

| Jurisdiction | # Intersections | Crashes Before | Crashes After | Ran Red Light Before | Ran Red Light After | Rear End Before | Rear End After | Angle Before | Angle After |
|----------------------------|-----------------|----------------|---------------|----------------------|---------------------|-----------------|----------------|--------------|--------------|
| Aventura | 1 | 66 | 154 | 3 | 2 | 15 | 51 | 11 | 27 |
| Boynton Beach | 4 | 137 | 357 | 8 | 16 | 62 | 175 | 27 | 70 |
| Coral Gables | 3 | 392 | 256 | 10 | 11 | 186 | 116 | 122 | 77 |
| Crestview | 2 | 96 | 83 | 3 | 3 | 54 | 55 | 16 | 16 |
| Davie | 1 | 15 | 5 | 0 | 1 | 4 | 3 | 2 | 1 |
| Edgewood | 2 | 109 | 88 | 5 | 1 | 56 | 41 | 17 | 19 |
| Florida City | 1 | 277 | 585 | 18 | 19 | 77 | 200 | 77 | 153 |
| Gulf Breeze | 1 | 1 | 9 | 0 | 0 | 0 | 4 | 1 | 1 |
| Kissimmee | 2 | 385 | 390 | 8 | 10 | 177 | 209 | 52 | 75 |
| Lakeland | 6 | 103 | 138 | 6 | 6 | 58 | 83 | 25 | 34 |
| Maitland | 2 | 134 | 106 | 6 | 2 | 70 | 61 | 17 | 15 |
| Manatee County BOCC | 5 | 484 | 571 | 14 | 11 | 251 | 310 | 103 | 120 |
| Medley | 6 | 130 | 82 | 7 | 3 | 37 | 31 | 25 | 15 |
| Miami Gardens | 8 | 635 | 459 | 16 | 16 | 242 | 165 | 159 | 98 |
| Miami Springs | 3 | 214 | 223 | 6 | 4 | 43 | 48 | 24 | 15 |
| Midway | 2 | 40 | 33 | 1 | 1 | 9 | 13 | 11 | 6 |
| Milton (Santa Rosa County) | 2 | 67 | 40 | 0 | 1 | 27 | 22 | 11 | 10 |
| North Miami Beach | 3 | 181 | 270 | 3 | 0 | 86 | 116 | 36 | 35 |
| Ocoee | 4 | 269 | 268 | 5 | 3 | 148 | 148 | 58 | 49 |
| Orange County BOCC | 28 | 2,716 | 2,930 | 73 | 85 | 1,513 | 1,562 | 554 | 625 |
| Orange Park | 4 | 82 | 49 | 6 | 2 | 28 | 15 | 8 | 7 |
| Orlando | 15 | 2,050 | 2,050 | 118 | 97 | 1,038 | 980 | 481 | 481 |
| Osceola County BOCC | 9 | 591 | 751 | 19 | 19 | 346 | 435 | 101 | 138 |
| Pembroke Pines | 6 | 711 | 659 | 23 | 24 | 448 | 420 | 105 | 90 |
| Pinecrest | 8 | 480 | 367 | 9 | 6 | 321 | 233 | 61 | 39 |
| Sarasota | 10 | 818 | 900 | 13 | 30 | 489 | 465 | 126 | 214 |
| South Miami | 4 | 362 | 532 | 4 | 8 | 174 | 283 | 49 | 82 |
| Sunrise | 8 | 255 | 369 | 8 | 9 | 126 | 196 | 69 | 81 |
| Sweetwater | 3 | 135 | 130 | 9 | 12 | 27 | 47 | 43 | 35 |
| Tampa | 7 | 144 | 166 | 14 | 8 | 87 | 89 | 23 | 45 |
| West Miami | 2 | 79 | 47 | 1 | 1 | 38 | 20 | 15 | 7 |
| GRAND TOTAL | 162 | 12,158 | 13,067 | 416 | 411 | 6,237 | 6,596 | 2,429 | 2,680 |

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

| Jurisdiction | # Intersections | Non-Injury Before | Non-Injury After | Injury Before | Injury After | Fatal Before | Fatal After |
|----------------------------|-----------------|-------------------|------------------|---------------|--------------|--------------|-------------|
| Aventura | 1 | 49 | 136 | 17 | 18 | 0 | 0 |
| Boynton Beach | 4 | 98 | 305 | 37 | 51 | 2 | 1 |
| Coral Gables | 3 | 327 | 207 | 64 | 49 | 1 | 0 |
| Crestview | 2 | 77 | 70 | 19 | 13 | 0 | 0 |
| Davie | 1 | 14 | 5 | 1 | 0 | 0 | 0 |
| Edgewood | 2 | 84 | 62 | 25 | 26 | 0 | 0 |
| Florida City | 1 | 198 | 464 | 78 | 121 | 1 | 0 |
| Gulf Breeze | 1 | 1 | 7 | 0 | 2 | 0 | 0 |
| Kissimmee | 2 | 288 | 277 | 96 | 111 | 1 | 2 |
| Lakeland | 6 | 61 | 87 | 42 | 51 | 0 | 0 |
| Maitland | 2 | 92 | 79 | 42 | 27 | 0 | 0 |
| Manatee County BOCC | 5 | 306 | 383 | 176 | 186 | 2 | 2 |
| Medley | 6 | 115 | 68 | 15 | 13 | 0 | 1 |
| Miami Gardens | 8 | 531 | 398 | 101 | 59 | 3 | 2 |
| Miami Springs | 3 | 192 | 196 | 21 | 15 | 1 | 1 |
| Midway | 2 | 22 | 20 | 16 | 13 | 2 | 0 |
| Milton (Santa Rosa County) | 2 | 41 | 32 | 26 | 8 | 0 | 0 |
| North Miami Beach | 3 | 132 | 220 | 48 | 48 | 1 | 2 |
| Ocoee | 4 | 188 | 200 | 81 | 67 | 0 | 1 |
| Orange County BOCC | 28 | 2,037 | 2,238 | 676 | 689 | 3 | 3 |
| Orange Park | 4 | 59 | 36 | 23 | 13 | 0 | 0 |
| Orlando | 15 | 1,389 | 1,446 | 655 | 604 | 6 | 0 |
| Osceola County BOCC | 9 | 396 | 513 | 195 | 235 | 0 | 3 |
| Pembroke Pines | 6 | 554 | 498 | 154 | 161 | 3 | 0 |
| Pinecrest | 8 | 396 | 308 | 81 | 54 | 0 | 0 |
| Sarasota | 10 | 616 | 672 | 200 | 226 | 2 | 2 |
| South Miami | 4 | 303 | 448 | 58 | 81 | 1 | 3 |
| Sunrise | 8 | 143 | 264 | 112 | 104 | 0 | 1 |
| Sweetwater | 3 | 121 | 103 | 14 | 27 | 0 | 0 |
| Tampa | 7 | 59 | 88 | 85 | 76 | 0 | 2 |
| West Miami | 2 | 69 | 42 | 9 | 5 | 1 | 0 |
| GRAND TOTAL | 162 | 8,958 | 9,872 | 3,167 | 3,153 | 30 | 26 |

Appendix B: Crashes Involving Running Red Lights

| Jurisdiction | # Intersections | Crashes Before | Crashes After | Non-Motorist Before | Non-Motorist After | Rear End Before | Rear End After | Angle Before | Angle After |
|----------------------------|-----------------|----------------|---------------|---------------------|--------------------|-----------------|----------------|--------------|-------------|
| Aventura | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 2 | 1 |
| Boynton Beach | 4 | 8 | 16 | 0 | 0 | 1 | 2 | 4 | 13 |
| Coral Gables | 3 | 10 | 11 | 0 | 0 | 0 | 0 | 9 | 11 |
| Crestview | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 2 | 2 |
| Davie | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Edgewood | 2 | 5 | 1 | 0 | 0 | 2 | 0 | 1 | 1 |
| Florida City | 1 | 18 | 19 | 0 | 0 | 4 | 1 | 12 | 11 |
| Gulf Breeze | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kissimmee | 2 | 8 | 10 | 0 | 0 | 0 | 0 | 6 | 9 |
| Lakeland | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 6 | 6 |
| Maitland | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 5 | 1 |
| Manatee County BOCC | 5 | 14 | 11 | 1 | 0 | 2 | 0 | 9 | 10 |
| Medley | 5 | 7 | 3 | 0 | 0 | 0 | 1 | 6 | 0 |
| Miami Gardens | 8 | 16 | 16 | 0 | 0 | 1 | 2 | 10 | 12 |
| Miami Springs | 3 | 6 | 4 | 0 | 0 | 0 | 0 | 4 | 2 |
| Midway | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Milton (Santa Rosa County) | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| North Miami Beach | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Ocoee | 4 | 5 | 3 | 0 | 0 | 0 | 1 | 4 | 2 |
| Orange County BOCC | 28 | 73 | 85 | 1 | 1 | 1 | 4 | 55 | 63 |
| Orange Park | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 5 | 1 |
| Orlando | 15 | 118 | 97 | 1 | 2 | 2 | 1 | 85 | 74 |
| Osceola County BOCC | 9 | 19 | 19 | 0 | 0 | 0 | 0 | 13 | 17 |
| Pembroke Pines | 4 | 23 | 24 | 0 | 0 | 1 | 1 | 13 | 18 |
| Pinecrest | 6 | 9 | 6 | 0 | 0 | 0 | 0 | 7 | 5 |
| Sarasota | 10 | 13 | 30 | 0 | 1 | 0 | 1 | 7 | 22 |
| South Miami | 4 | 4 | 8 | 1 | 2 | 1 | 1 | 2 | 3 |
| Sunrise | 8 | 8 | 9 | 0 | 1 | 0 | 0 | 8 | 8 |
| Sweetwater | 3 | 9 | 12 | 0 | 0 | 1 | 0 | 4 | 9 |
| Tampa | 7 | 14 | 8 | 1 | 1 | 1 | 1 | 9 | 6 |
| West Miami | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| GRAND TOTAL | 153 | 416 | 411 | 5 | 8 | 17 | 17 | 292 | 308 |

Appendix B: Crashes Involving Running Red Lights

| Jurisdiction | # Intersections | Non-Injury Before | Non-Injury After | Injury Before | Injury After | Fatal Before | Fatal After |
|----------------------------|-----------------|-------------------|------------------|---------------|--------------|--------------|-------------|
| Aventura | 1 | 1 | 2 | 2 | 0 | 0 | 0 |
| Boynton Beach | 4 | 4 | 9 | 3 | 7 | 1 | 0 |
| Coral Gables | 3 | 1 | 3 | 9 | 8 | 0 | 0 |
| Crestview | 2 | 2 | 0 | 1 | 3 | 0 | 0 |
| Davie | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Edgewood | 2 | 1 | 1 | 4 | 0 | 0 | 0 |
| Florida City | 1 | 12 | 15 | 6 | 4 | 0 | 0 |
| Gulf Breeze | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kissimmee | 2 | 2 | 5 | 6 | 4 | 0 | 1 |
| Lakeland | 6 | 3 | 2 | 3 | 4 | 0 | 0 |
| Maitland | 2 | 4 | 1 | 2 | 1 | 0 | 0 |
| Manatee County BOCC | 5 | 4 | 1 | 10 | 9 | 0 | 1 |
| Medley | 5 | 4 | 1 | 3 | 2 | 0 | 0 |
| Miami Gardens | 8 | 7 | 8 | 9 | 8 | 0 | 0 |
| Miami Springs | 3 | 5 | 2 | 1 | 2 | 0 | 0 |
| Midway | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| Milton (Santa Rosa County) | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| North Miami Beach | 3 | 0 | 0 | 3 | 0 | 0 | 0 |
| Ocoee | 4 | 1 | 2 | 4 | 1 | 0 | 0 |
| Orange County BOCC | 28 | 39 | 36 | 34 | 49 | 0 | 0 |
| Orange Park | 2 | 1 | 1 | 5 | 1 | 0 | 0 |
| Orlando | 15 | 51 | 46 | 66 | 51 | 1 | 0 |
| Osceola County BOCC | 9 | 10 | 5 | 9 | 14 | 0 | 0 |
| Pembroke Pines | 4 | 10 | 9 | 13 | 15 | 0 | 0 |
| Pinecrest | 6 | 5 | 3 | 4 | 3 | 0 | 0 |
| Sarasota | 10 | 4 | 12 | 9 | 18 | 0 | 0 |
| South Miami | 4 | 0 | 4 | 4 | 3 | 0 | 1 |
| Sunrise | 8 | 4 | 3 | 4 | 6 | 0 | 0 |
| Sweetwater | 3 | 7 | 7 | 2 | 5 | 0 | 0 |
| Tampa | 7 | 4 | 1 | 10 | 6 | 0 | 1 |
| West Miami | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| GRAND TOTAL | 153 | 187 | 182 | 227 | 225 | 2 | 4 |

Appendix C: Crashes Involving Non-Motorists

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

Appendix E

Red Light Camera Survey Questions for Fiscal Year 2020-2021

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: Name of Jurisdiction (City or County) | Question 2: What department oversees the red light camera program in your respective jurisdiction? | Question 3: Provide the contact information of the person completing the survey | | Question 4: Has your jurisdiction operated red light cameras within the reporting period July 1, 2020 - June 30, 2021? |
|--|--|---|---|--|
| | | Name | Agency | |
| Aventura | Community Development | Keven Klopp | City of Aventura Community Development Department | Yes |
| Bal Harbour Village | Police Department | Pamela Flanders-Alvin | Bal Harbour PD | Yes |
| Belle Isle | Police Department | Travis Grimm | Belle Isle Police Department | Yes |
| Boynton Beach | Boynton Beach Police Department (Traffic) | Sgt. Phillip L. Hawkins | Boynton Beach Police Department | Yes |
| Clearwater | Support Services Division | Major David Dalton | Clearwater Police Department | Yes |
| Coral Gables | Coral Gables Police Department | Omar Garcia | Coral Gables Police Department | Yes |
| Crestview | Police Department | Jodie Feliccia for Chief Stephen McCosker | Crestview Police Department | Yes |
| Davie | Police | Scott Israel | Davie Police Department | Yes |
| Doral | Doral Police Department | Ofc. Manuel Ubieta | Doral Police Dept. | Yes |
| Edgewood | Edgewood Police Dept | Stacey L Salemi | Edgewood Police Dept | Yes |
| Florida City | Florida City Police Department | Jose Tzintzun | Florida City Police Department | Yes |
| Green Cove Springs | Police Department | Ofc. Ronnie Gann | Green Cove Springs Police | Yes |
| Gulf Breeze | Police Department | Richard Hawthorne | Gulf Breeze Police Department | Yes |
| Haines City | Haines City Police Department | Kevin M. Hager | Haines City Police Department | Yes |
| Hillsborough County | Hillsborough County Sheriff's Office | William Blair | Hillsborough County Sheriff's Office | Yes |
| Key Biscayne | Traffic Division | Lieutenant Brian Kemmerer | Key Biscayne Police Department | Yes |
| Kissimmee | Kissimmee Police Department | Sergeant Stacey Legel | Kissimmee Police Department | Yes |
| Lakeland | Lakeland Police Department | Chad Mumbauer | Lakeland Police Department | Yes |
| Maitland | Police Department | Dawn D'Ambrosio | Maitland Police Department | Yes |
| Manatee County | Public Safety, Code Enforcement | Robin J Dyer | Manatee County Government | Yes |
| Medley | Police Department | Arturo Jinete | Medley Police Department | Yes |
| Miami Beach | Miami Beach Police Accident Investigation Unit | Sgt. David Price | Miami Beach Police Department | Yes |
| Miami Gardens | Traffic Unit | Officer Brian O'Malley | Miami Gardens Police Department | Yes |
| Miami Springs | Police Department | Jimmy Deal | Miami Springs Police Department | Yes |
| Midway | Midway Police Department | Captain Kristi Cobb | Midway Police Department | Yes |
| Milton/Santa Rosa County | Patrol | Katherine | McDaniels | Yes |
| New Port Richey | Police Department | Kim Bogart | New Port Richey Police Department | Yes |
| North Miami Beach | Administration | Ofc. Jerry Hamilton | North Miami Beach Police | Yes |
| Ocoee | Police Department | Sgt. William Wagner | Ocoee Police Department | Yes |
| Opa-locka | Opa-locka Police Department | Captain Alvin Rogers | Opa-locka Police Department | Yes |
| Orange County | Public Works/Traffic Engineering | Martina Desjardins | Public Works | Yes |
| Orange Park | Orange Park Police Department | Gary Goble | Orange Park Police Department | Yes |
| Orlando | Orlando Police Department, Transportation Department | Raymond Rodriguez | Orlando Police Department | Yes |
| Osceola County | Transportation & Transit | Neysha Espinal | Osceola County BOCC | Yes |
| Pinecrest | Police Department | J. C. Gonzalez | Pinecrest Police Department | Yes |
| Port Richey Inc | Police Department | Elena Divino | City of Port Richey Police Department | Yes |
| Sarasota | Sarasota Police Department | Sergeant Chris ODonnell | Sarasota Police Department | Yes |
| South Miami | Police Department | John Barzola | South Miami Police Department | Yes |
| Sunrise | Sunrise Police Department Special Operations Section-Traffic Unit | Sergeant Jeremy Copas | Sunrise Police Department | Yes |
| Sweetwater | Support Services | Steven | Lopez | Yes |
| Tampa | Police Department | Alexander Thiel | Tampa Police Department | Yes |
| West Miami | Traffic Unit | Officer R. Francisco | West Miami Police Department | Yes |
| West Park | Political Affairs | Scott Israel | City of West Park | Yes |
| Winter Park | Winter Park Police Department | Travis J Lundquist | Winter Park Police Department | Yes |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 5: What red light camera vendor, or vendors, does your respective jurisdiction use? | Question 6: As of July 1, 2020, how many red light cameras were operational? | Question 7: As of June 30, 2021, how many red light cameras were operational? | Question 8. As of July 1, 2020, at how many intersections were red light cameras operational? | Question 9. As of June 30, 2021, at how many intersections were red light cameras operational? | 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 # | # Paid | # Contested & Pending | # Contested & Dismissed | # Contested & Upheld | # Issued as UTC | # Pending Issuance as UTC |
| Aventura | American Traffic Solutions | 13 | 14 | 6 | 6 | 34,994 | 20,603 | 110 | 80 | 194 | 12,399 | 0 |
| Bal Harbour Village | American Traffic Solutions | 5 | 5 | 5 | 5 | 14,439 | 8,472 | 11 | 12 | 37 | 5,279 | 0 |
| Belle Isle | NovoaGlobal | 0 | 4 | 0 | 4 | 2,881 | 2,138 | 0 | 0 | 2 | 445 | 67 |
| Boynton Beach | American Traffic Solutions | 15 | 15 | 7 | 7 | 32,197 | 21,837 | 25 | 62 | 245 | 9,382 | 0 |
| Clearwater | Redflex | 3 | 3 | 2 | 2 | 15,171 | 9,453 | 0 | 6 | 72 | 4,220 | 439 |
| Coral Gables | Redspeed | 5 | 8 | 3 | 5 | 5,893 | 3,328 | 30 | 2 | 9 | 616 | 168 |
| Crestview | Novoa Global | 4 | 4 | 2 | 2 | 2,832 | 2,223 | 1 | 1 | 1 | 586 | 0 |
| Davie | American Traffic Solutions | 5 | 5 | 4 | 4 | 8,127 | 4,537 | 26 | 6 | 39 | 3,114 | 0 |
| Doral | American Traffic Solutions | 8 | 8 | 3 | 3 | 15,506 | 9,973 | 1 | 15 | 83 | 3,542 | 0 |
| Edgewood | GATSO | 3 | 0 | 2 | 0 | 5,128 | 3,767 | 0 | 7 | 23 | 1,302 | 0 |
| Florida City | American Traffic Solutions | 7 | 3 | 4 | 2 | 11,017 | 5,506 | 29 | 0 | 3 | 4,114 | 0 |
| Green Cove Springs | American Traffic Solutions | 5 | 5 | 3 | 3 | 13,869 | 10,086 | 9 | 10 | 54 | 2,824 | 180 |
| Gulf Breeze | NovoaGlobal | 6 | 6 | 3 | 3 | 11,349 | 8,828 | 0 | 0 | 2 | 2,568 | 0 |
| Haines City | American Traffic Solutions | 11 | 11 | 6 | 6 | 23,436 | 16,357 | 124 | 24 | 98 | 6,321 | 0 |
| Hillsborough County | American Traffic Solutions | 10 | 10 | 6 | 6 | 43,951 | 29,530 | 6,289 | 29 | 161 | 7,709 | 6,928 |
| Key Biscayne | American Traffic Solutions | 4 | 4 | 3 | 3 | 1,047 | 764 | 3 | 0 | 0 | 217 | 0 |
| Kissimmee | Redflex | 19 | 19 | 10 | 10 | 32,188 | 20,560 | 37 | 16 | 21 | 10,131 | 282 |
| Lakeland | American Traffic Solutions | 18 | 18 | 11 | 11 | 22,354 | 15,373 | 45 | 4 | 769 | 5,722 | 0 |
| Maitland | Sensys Gatso Group | 4 | 4 | 3 | 3 | 3,412 | 2,356 | 1 | 0 | 11 | 605 | 0 |
| Manatee County | Conduent | 10 | 18 | 8 | 12 | 16,640 | 11,267 | 15 | 19 | 24 | 3,386 | 0 |
| Medley | American Traffic Solutions | 9 | 9 | 9 | 9 | 13,995 | 10,088 | 9 | 10 | 54 | 3,287 | 0 |
| Miami Beach | Conduent | 9 | 9 | 9 | 9 | 7,655 | 4,186 | 12 | 3 | 11 | 1,945 | 37 |
| Miami Gardens | American Traffic Solutions | 26 | 26 | 15 | 15 | 149,265 | 68,610 | 950 | 1,795 | 927 | 8,667 | 0 |
| Miami Springs | American Traffic Solutions | 3 | 5 | 3 | 4 | 15,203 | 8,787 | 10 | 8 | 63 | 5,611 | 0 |
| Midway | Senys America | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Milton (Santa Rosa County) | American Traffic Solutions | 5 | 0 | 3 | 0 | 3,521 | 2,539 | 0 | 1 | 11 | 501 | 0 |
| New Port Richey | Verra Mobility | 5 | 5 | 4 | 4 | 13,436 | 9,548 | 14 | 10 | 109 | 2,702 | 0 |
| North Miami Beach | American Traffic Solutions | 5 | 5 | 5 | 5 | 49,466 | 11,351 | 0 | 1,792 | 0 | 10,008 | 0 |
| Ocoee | American Traffic Solutions | 14 | 14 | 7 | 7 | 18,294 | 12,135 | 36 | 4 | 72 | 5,827 | 0 |
| Opa-locka | American Traffic Solutions | 11 | 11 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orange County | American Traffic Solutions | 56 | 54 | 35 | 34 | 61,933 | 39,052 | 13 | 15 | 179 | 17,276 | 0 |
| Orange Park | American Traffic Solutions | 8 | 8 | 3 | 3 | 11,870 | 8,165 | 5 | 3 | 48 | 2,915 | 0 |
| Orlando | American Traffic Solutions | 44 | 37 | 24 | 23 | 51,223 | 35,606 | 13 | 2 | 128 | 13,143 | 0 |
| Osceola County | American Traffic Solutions | 15 | 13 | 7 | 6 | 10,734 | 6,844 | 6 | 0 | 0 | 3,283 | 0 |
| Pinecrest | Redflex | 8 | 8 | 8 | 8 | 20,834 | 12,894 | 25 | 19 | 101 | 2,426 | 3,452 |
| Port Richey Inc | American Traffic Solutions | 5 | 5 | 2 | 2 | 13,977 | 6,185 | 0 | 11 | 79 | 3,145 | 0 |
| Sarasota | Redspeed USA | 20 | 20 | 10 | 10 | 21,987 | 15,937 | 170 | 7 | 95 | 2,614 | 2,152 |
| South Miami | Redflex | 4 | 4 | 4 | 4 | 8,075 | 5,745 | 8 | 13 | 64 | 2,379 | 470 |
| Sunrise | American Traffic Solutions | 18 | 18 | 10 | 10 | 28,875 | 16,578 | 34 | 73 | 189 | 5,582 | 0 |
| Sweetwater | American Traffic Solutions | 6 | 6 | 3 | 3 | 27,667 | 17,217 | 275 | 22 | 58 | 8,534 | 0 |
| Tampa | American Traffic Solutions | 50 | 43 | 22 | 22 | 68,110 | 42,738 | 55 | 132 | 412 | 22,174 | 0 |
| West Miami | American Traffic Solutions | 6 | 6 | 6 | 6 | 26,882 | 11,307 | 0 | 1,005 | 51 | 0 | 0 |
| West Park | American Traffic Solutions | 5 | 5 | 4 | 4 | 5,335 | 2,393 | 17 | 12 | 54 | 2,600 | 0 |
| Winter Park | Sensys Gatso Group AB | 8 | 8 | 6 | 6 | 10,529 | 8,434 | 29 | 1 | 25 | 3,128 | 1,542 |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | 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? | Question 12. How does your respective jurisdiction submit traffic crash data to the Florida Department of Highway Safety and Motor Vehicles? | 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. | Question 14. Have court cases impacted your respective jurisdiction's red light camera program? | |
|---------------------------------------|---|--|--|---|---|
| | | | | Response | Details |
| Aventura | 0 | All Electronically | 3,440 | Yes | Jimenez v Aventura upheld by Florida Supreme Court Aventura v. Stein – further affirmed validity of program |
| Bal Harbour Village | 0 | Both | 12,997 | Yes | |
| Belle Isle | 0 | All Electronically | 127 | No | We have had no issues. |
| Boynton Beach | 87 | All Electronically | 25,858 | No | |
| Clearwater | 27 | All Electronically | 8,335 | No | |
| Coral Gables | 0 | All Electronically | 188 | Yes | |
| Crestview | 0 | All Electronically | 450 | No | |
| Davie | 0 | All Electronically | 289 | No | |
| Doral | 0 | All Electronically | 14,203 | No | N/A |
| Edgewood | 6 | All Electronically | 183 | No | |
| Florida City | 0 | Both | 8,077 | Yes | Yes, they have helped bring in more revenue. |
| Green Cove Springs | 0 | All Paper | 12,138 | No | |
| Gulf Breeze | 0 | All Electronically | 1,517 | No | |
| Haines City | 0 | All Electronically | 0 | No | |
| Hillsborough County | 0 | All Electronically | 38,050 | No | |
| Key Biscayne | 0 | All Electronically | 0 | No | |
| Kissimmee | 10 | All Electronically | 28,049 | No | |
| Lakeland | 223 | All Electronically | 18,094 | No | |
| Maitland | 0 | All Electronically | 149 | Yes | Court decisions affect the policies and procedures of our program. |
| Manatee County | 12 | Both | 12,819 | No | |
| Medley | 0 | All Electronically | 12,542 | Yes | Due to the pandemic, court cases were suspended in 2020 and started up again in 2021. |
| Miami Beach | 19 | All Electronically | 14,283 | No | |
| Miami Gardens | 0 | All Electronically | 94,884 | 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 | 11 | All Electronically | 13,677 | No | |
| Midway | 0 | All Electronically | 0 | No | |
| Milton (Santa Rosa County) | 13 | All Paper | 243 | No | |
| New Port Richey | 0 | Both | 11,589 | No | |
| North Miami Beach | 150 | All Electronically | 0 | Yes | As law is generated it impacts how cities can argue the violations. |
| Ocoee | 25 | All Electronically | 1,836 | No | |
| Opa-locka | 0 | All Electronically | 0 | Yes | |
| Orange County | 13 | Both | 5,037 | Yes | |
| Orange Park | 0 | Both | 751 | No | |
| Orlando | 41 | All Electronically | 4,592 | No | N/A |
| Osceola County | 0 | Both | 588 | No | There has not been any court cases against the program. |
| Pinecrest | 75 | All Electronically | 8,214 | 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 | 0 | Both | 804 | No | |
| Sarasota | 0 | All Electronically | 1,351 | No | |
| South Miami | 0 | All Electronically | 1,795 | 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 | 0 | All Electronically | 2,766 | No | Court cases have not impacted our red light camera program during the requested time frame. |
| Sweetwater | 0 | All Electronically | 23,846 | Yes | on red light violations. |
| Tampa | 79 | All Electronically | 8,625 | No | |
| West Miami | 18 | All Electronically | 0 | No | |
| West Park | 0 | All Electronically | 227 | No | |
| Winter Park | 55 | All Electronically | 9,866 | No | |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | 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. | | | | | | | Question 16. Were any existing red light cameras relocated within your respective jurisdiction during the reporting period? |
|---------------------------------------|---|--------------------|--------------------------------------|--------------------|--------------------|--------------------|--|---|
| | Traffic Citation Data | Citizen Complaints | Law Enforcement Officer Observations | Traffic Volume | Pedestrian Safety | Traffic Crash Data | Other (please specify) | |
| Aventura | N/A | Very Important | N/A | Very Important | Very Important | Very Important | | No |
| Bal Harbour Village | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Belle Isle | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Boynton Beach | Somewhat Important | Somewhat Important | Very Important | Somewhat Important | Very Important | Very Important | | No |
| Clearwater | Somewhat Important | Somewhat Important | Somewhat Important | Very Important | Very Important | Very Important | | No |
| Coral Gables | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Crestview | Somewhat Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Davie | Somewhat Important | Somewhat Important | Somewhat Important | Very Important | Very Important | Very Important | | No |
| Doral | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Edgewood | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Florida City | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Green Cove Springs | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Gulf Breeze | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Haines City | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Hillsborough County | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Key Biscayne | Somewhat Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Kissimmee | Very Important | Somewhat Important | Somewhat Important | Very Important | Very Important | Very Important | | No |
| Lakeland | Somewhat Important | Somewhat Important | Somewhat Important | Not Important | Very Important | Somewhat Important | | No |
| Maitland | Very Important | Somewhat Important | Somewhat Important | Very Important | Very Important | Very Important | | No |
| Manatee County | N/A | Somewhat Important | Very Important | Somewhat Important | Very Important | Very Important | | No |
| Medley | Somewhat Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Miami Beach | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Miami Gardens | Somewhat Important | Somewhat Important | Very Important | Very Important | Very Important | Very Important | | No |
| Miami Springs | Very Important | Somewhat Important | Somewhat Important | Not Important | Very Important | Very Important | | No |
| Midway | N/A | N/A | Very Important | Very Important | Very Important | Very Important | | No |
| Milton (Santa Rosa County) | Not Important | Very Important | Somewhat Important | N/A | Very Important | Very Important | | No |
| New Port Richey | Somewhat Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| North Miami Beach | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Ocoee | Somewhat Important | Somewhat Important | Somewhat Important | Somewhat Important | Somewhat Important | Very Important | | No |
| Opa-locka | Very Important | Somewhat Important | Very Important | Very Important | Very Important | Very Important | | No |
| Orange County | Somewhat Important | Somewhat Important | N/A | Somewhat Important | Very Important | Very Important | | No |
| Orange Park | Very Important | Somewhat Important | Very Important | Very Important | Very Important | Very Important | | No |
| Orlando | Very Important | Very Important | Somewhat Important | Somewhat Important | Very Important | Very Important | 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. | No |
| Osceola County | Not Important | Somewhat Important | Somewhat Important | Somewhat Important | Somewhat Important | Very Important | | No |
| Pinecrest | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Port Richey Inc | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Sarasota | Very Important | Somewhat Important | Somewhat Important | Somewhat Important | Somewhat Important | Very Important | | No |
| South Miami | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Sunrise | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| Sweetwater | Somewhat Important | Somewhat Important | Somewhat Important | Somewhat Important | Very Important | Somewhat Important | | No |
| Tampa | N/A | N/A | N/A | N/A | N/A | Very Important | | No |
| West Miami | Very Important | Very Important | Very Important | Very Important | Very Important | Very Important | | No |
| West Park | Somewhat Important | Somewhat Important | Somewhat Important | Very Important | Very Important | Very Important | | No |
| Winter Park | Very Important | Somewhat Important | Very Important | Very Important | Very Important | Very Important | | No |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 17. What factors are used to determine the success or failure of each camera location within your respective jurisdiction? | | | | Question 18. Who reviews the camera images before Notices of Violation are issued? | | | |
|---------------------------------------|---|-----------------------------|-------------------|---|--|-------------------------------|--|--|
| | Change in Number of Crashes | Change in Pedestrian Safety | Change in Revenue | Other (please specify) | Law Enforcement Officer | Non-Sworn Government Employee | Non-Sworn Contractor Employee (Vendor) | Other (please specify) |
| Aventura | X | | | | X | | | |
| Bal Harbour Village | X | X | | | X | | | |
| Belle Isle | | | | First-year of the program, more data needs to be collected. | | X | | |
| Boynton Beach | X | X | | | X | X | | |
| Clearwater | X | X | | | X | X | | Retired LEO; Sworn, non-sworn when unavailable. |
| Coral Gables | X | X | | | | X | | |
| Crestview | X | X | | | X | | | |
| Davie | | | X | | | X | | |
| Doral | X | X | | | X | | | |
| Edgewood | X | X | | | | X | X | |
| Florida City | X | X | X | | X | | | |
| Green Cove Springs | X | X | | | X | | | |
| Gulf Breeze | X | X | | | X | X | | |
| Haines City | X | X | | | X | | | |
| Hillsborough County | X | X | | | X | | | |
| Key Biscayne | X | X | | | X | | | |
| Kissimmee | X | X | | | X | | | |
| Lakeland | X | X | | | X | | | |
| Maitland | X | X | | | X | X | X | |
| 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. | X | | | |
| Medley | X | | X | 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. | X | X | | |
| Miami Beach | X | X | | | X | X | | |
| Miami Gardens | X | X | | | X | X | | |
| Miami Springs | X | X | | Increase or decrease in the number of violations issued over a specific period of time. | X | X | | |
| Midway | X | X | X | | X | | | |
| Milton (Santa Rosa County) | X | | | | X | | | |
| New Port Richey | X | X | | | | X | | |
| North Miami Beach | X | X | | | X | X | | |
| Ocoee | X | X | | | X | X | X | |
| Opa-locka | X | | | | X | | | |
| Orange County | X | X | | | | X | X | |
| Orange Park | X | X | | | X | | | |
| Orlando | X | X | | 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. | | X | | Orlando Police Department- utilizes State of Florida Certified Traffic Infraction Enforcement Officers with previous sworn Law Enforcement experience. |
| Osceola County | X | X | | | X | | | |
| Pinecrest | X | X | | | X | | | |
| Port Richey Inc | X | X | | | | X | | |
| Sarasota | X | | | | X | X | | |
| South Miami | X | X | | | X | | | |
| Sunrise | X | X | | | X | X | | |
| Sweetwater | X | X | | | X | | | |
| Tampa | X | | | | X | | | |
| West Miami | X | X | | | X | | | |
| West Park | | | | Decrease in revenue equates to a decrease in violations which is indicative of a successful program. | | | X | |
| Winter Park | X | X | | | X | X | | |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 19. Who reviews contested Notices of Violation? (select all that apply) | | | | Question 20. Who issues Uniform Traffic Citations if Notices of Violation are unpaid? (select all that apply) | | | |
|---------------------------------------|--|-------------------------------|--|--|---|-------------------------------|--|--|
| | Law Enforcement Officer | Non-Sworn Government Employee | Non-Sworn Contractor Employee (Vendor) | Other (please specify) | Law Enforcement Officer | Non-Sworn Government Employee | Non-Sworn Contractor Employee (Vendor) | Other (please specify) |
| Aventura | X | | | | X | | | |
| Bal Harbour Village | X | | | | X | | | |
| Belle Isle | | X | | | | X | | |
| Boynton Beach | X | X | | | X | X | | |
| Clearwater | X | X | | Retired LEO; Sworn, non-sworn when unavailable. | X | X | | Retired LEO; Sworn, non-sworn when unavailable. |
| Coral Gables | | X | | | | X | | |
| Crestview | X | | | | X | | | |
| Davie | | X | | | | X | | |
| Doral | X | | | | X | | | |
| Edgewood | | X | | | | X | | |
| Florida City | X | | | | X | | | |
| Green Cove Springs | X | | | | X | | | |
| Gulf Breeze | X | | | | X | | | |
| Haines City | X | | | | X | | | |
| Hillsborough County | X | | | | X | | | |
| Key Biscayne | X | | | | X | | | |
| Kissimmee | X | | | | X | | | |
| Lakeland | | | X | | X | | | |
| Maitland | X | X | | Legal Advisor | X | X | | |
| Manatee County | X | | | | X | | | |
| Medley | X | X | | | X | X | | |
| Miami Beach | X | X | | | X | | | |
| Miami Gardens | X | | | | X | | | |
| Miami Springs | X | | | | X | | | |
| Midway | | X | | | X | | | |
| Milton (Santa Rosa County) | | X | | | X | | | |
| New Port Richey | | X | | | | X | | |
| North Miami Beach | X | X | | | X | X | | |
| Ocoee | X | X | | | X | X | | |
| Opa-locka | X | | | | X | | | |
| Orange County | | X | | | | X | | |
| Orange Park | X | | | | X | | | |
| Orlando | | X | | Orlando Police Department- utilizes State of Florida Certified Traffic Infraction Enforcement Officers with previous sworn Law Enforcement experience. | | X | | Orlando Police Department- utilizes State of Florida Certified Traffic Infraction Enforcement Officers with previous sworn Law Enforcement experience. |
| Osceola County | X | | | | X | | | |
| Pinecrest | X | | | | X | | | |
| Port Richey Inc | | X | | | | X | | |
| Sarasota | X | | | | X | X | | |
| South Miami | | | | Contested notices of violation are reviewed by a Magistrate during the hearing | X | | | |
| Sunrise | X | X | | | X | X | | |
| Sweetwater | X | | | | X | | | |
| Tampa | | | | Hearing Magistrate | X | | | |
| West Miami | X | | | | X | | | |
| West Park | | X | | | | | X | |
| Winter Park | X | X | | | X | X | | |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 21. Does your respective jurisdiction issue Notices of Violation (through red light camera detection) for persons making a right turn on red signal? | 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? | Question 24. What action, or actions, has your respective jurisdiction taken to improve safety measures as a result of your red light camera program? | | |
|---------------------------------------|---|---|---|--|-------------------------|
| | | | Education /Outreach for intersections with RLC | Education /Outreach for intersections without RLC | Education /Outreach N/A |
| Aventura | Yes | 18,691 | | | X |
| Bal Harbour Village | Yes | | | | X |
| Belle Isle | Yes | | | | X |
| Boynton Beach | No | | X | | |
| Clearwater | No | | X | X | |
| Coral Gables | Yes | | | | X |
| Crestview | No | | | | X |
| Davie | No | | X | | |
| Doral | No | | | | X |
| Edgewood | No | | | | X |
| Florida City | Yes | 2,086 | | | X |
| Green Cove Springs | Yes | 72 | | | X |
| Gulf Breeze | No | | | | X |
| Haines City | No | | | | X |
| Hillsborough County | No | | | | X |
| Key Biscayne | Yes | 12 | X | X | X |
| Kissimmee | Yes | 6,126 | | X | |
| Lakeland | Yes | 5,061 | | X | |
| Maitland | Yes | | | | X |
| Manatee County | Yes | | | | X |
| Medley | Yes | | X | X | |
| Miami Beach | Yes | | X | | |
| Miami Gardens | Yes | 111,045 | X | X | |
| Miami Springs | Yes | 5,084 | X | X | |
| Midway | Yes | | | | X |
| Milton (Santa Rosa County) | No | | | | X |
| New Port Richey | Yes | 33 | | | X |
| North Miami Beach | No | None | | | X |
| Ocoee | Yes | 10,823 | X | X | |
| Opa-locka | Yes | | | | X |
| Orange County | Yes | 272 | | | X |
| Orange Park | No | | | | X |
| Orlando | No | | X | X | |
| Osceola County | No | | | | X |
| Pinecrest | No | | | | X |
| Port Richey Inc | No | | | | X |
| Sarasota | No | | | | X |
| South Miami | No | | X | X | |
| Sunrise | Yes | 11,095 | X | X | |
| Sweetwater | Yes | 23,440 | X | | |
| Tampa | Yes | 2,944 | X | X | |
| West Miami | Yes | 0 | | | X |
| West Park | No | | X | | |
| Winter Park | Yes | | | | X |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 24. What action, or actions, has your respective jurisdiction taken to improve safety measures as a result of your red light camera program? | | | | | |
|---------------------------------------|---|---|-------------------|---|--|----------------|
| | Re-striping at intersections with red light cameras | Re-striping at intersections without red light cameras | Re-striping - N/A | Lighting at intersections with red light cameras | Lighting at intersections without red light cameras | Lighting - N/A |
| Aventura | X | X | | X | X | |
| Bal Harbour Village | | | X | | | X |
| Belle Isle | | | X | | | X |
| Boynton Beach | | | X | | | X |
| Clearwater | X | X | | X | X | |
| Coral Gables | | | X | | | X |
| Crestview | | | X | | | X |
| Davie | | | X | | | X |
| Doral | X | | | X | | |
| Edgewood | X | X | | X | X | |
| Florida City | | | X | | | X |
| Green Cove Springs | X | | | | | X |
| Gulf Breeze | | | X | | | X |
| Haines City | | | X | | | X |
| Hillsborough County | | | X | | | X |
| Key Biscayne | X | | | | | X |
| Kissimmee | X | | | | X | |
| Lakeland | | X | | | X | |
| Maitland | | | X | | | X |
| Manatee County | X | | | | | X |
| Medley | X | | | | | X |
| Miami Beach | X | | | X | | |
| Miami Gardens | X | X | | X | X | |
| Miami Springs | X | X | | X | X | |
| Midway | | | X | | | X |
| Milton (Santa Rosa County) | | | X | | | X |
| New Port Richey | | | X | | | X |
| North Miami Beach | | | X | | | X |
| Ocoee | | | X | | | X |
| Opa-locka | X | X | | | | X |
| Orange County | X | | | X | | |
| Orange Park | X | X | | X | X | |
| Orlando | X | X | | X | X | |
| Osceola County | | | X | | | X |
| Pinecrest | | | X | | | X |
| Port Richey Inc | | | X | | | X |
| Sarasota | | | X | | | X |
| South Miami | | | X | | | X |
| Sunrise | X | X | | X | X | |
| Sweetwater | | | X | | | X |
| Tampa | X | X | | X | X | |
| West Miami | X | | | X | | |
| West Park | | | X | X | | |
| Winter Park | | X | | | | X |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 24. What action, or actions, has your respective jurisdiction taken to improve safety measures as a result of your red light camera program? | | | | | |
|---------------------------------------|---|--|------------------------------------|--|---|---|
| | Engineering, Roadway/Geometric at intersections with red light cameras | Engineering, Roadway/Geometric at intersections without red light cameras | Engineering, Roadway/Geometric N/A | Engineering, Signalization/Operations at intersections with red light cameras | Engineering, Signalization/Operations at intersections without red light cameras | Engineering, Signalization/Operations N/A |
| Aventura | X | X | | X | | |
| Bal Harbour Village | | | X | | | X |
| Belle Isle | | | X | | | X |
| Boynton Beach | | | X | | | X |
| Clearwater | X | X | | | | X |
| Coral Gables | | | X | | | X |
| Crestview | | | X | | | X |
| Davie | | | X | | | X |
| Doral | | | X | | | X |
| Edgewood | X | X | | X | X | |
| Florida City | | | X | | | X |
| Green Cove Springs | | | X | | | X |
| Gulf Breeze | | | X | X | | |
| Haines City | | | X | | | X |
| Hillsborough County | | | X | | | X |
| Key Biscayne | | | X | | | X |
| Kissimmee | | X | | | X | |
| Lakeland | | X | | | X | |
| Maitland | | | X | | | X |
| Manatee County | | | X | | | X |
| Medley | X | | | | | X |
| Miami Beach | X | | | X | | |
| Miami Gardens | X | X | | X | X | |
| Miami Springs | X | X | | X | X | |
| Midway | | | X | | | X |
| Milton (Santa Rosa County) | | | X | | | X |
| New Port Richey | | | X | | | X |
| North Miami Beach | | | X | | | X |
| Ocoee | | | X | | | X |
| Opa-locka | X | X | | | | X |
| Orange County | X | | | X | | |
| Orange Park | | | X | X | X | |
| Orlando | X | X | | X | X | |
| Osceola County | | | X | | | X |
| Pinecrest | | | X | | | X |
| Port Richey Inc | | | X | | | X |
| Sarasota | | | X | | | X |
| South Miami | | | X | | | X |
| Sunrise | | X | | X | X | |
| Sweetwater | | | X | | | X |
| Tampa | X | X | | X | X | |
| West Miami | | | X | | | X |
| West Park | X | | | X | | |
| Winter Park | | X | | | X | |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 24. What action, or actions, has your respective jurisdiction taken to improve safety measures as a result of your red light camera program? | | | | | | Other (please specify) |
|---------------------------------------|---|---|---|--|---|---------------------------------------|---|
| | Increased red light camera-specific signage at intersections with red light cameras | Increased red light camera-specific signage at intersections without red light cameras | Increased red light camera-specific signage - N/A | Increased other type of signage at intersections with red light cameras | Increased other type of signage at intersections without red light cameras | Increased other type of signage - N/A | |
| Aventura | X | | | X | | | |
| Bal Harbour Village | X | | | X | | | |
| Belle Isle | X | | | X | | | |
| Boynton Beach | X | | | | | X | |
| Clearwater | | | X | X | X | | |
| Coral Gables | | | X | | | X | |
| Crestview | | | X | | | X | |
| Davie | | | X | | | X | |
| Doral | X | | | X | | | |
| Edgewood | | | X | | | X | |
| Florida City | | | X | | | X | |
| Green Cove Springs | | | X | | | X | |
| Gulf Breeze | | | X | | | X | |
| Haines City | | | X | | | X | |
| Hillsborough County | | | X | | | X | |
| Key Biscayne | X | | | X | X | | |
| Kissimmee | X | | | X | X | | |
| Lakeland | | X | | | X | | |
| Maitland | | | X | | | X | |
| Manatee County | | | X | | | X | |
| Medley | | | X | | | X | |
| Miami Beach | X | | | | | X | |
| Miami Gardens | X | | | | | X | |
| Miami Springs | | | X | | | X | |
| Midway | X | | | | | X | |
| Milton (Santa Rosa County) | | | X | | | X | Our City Council had all redlight cameras removed/stopped 5/3/2021 We no longer have access to the data |
| New Port Richey | | | X | | | X | |
| North Miami Beach | | | X | | | X | |
| Ocoee | | | X | | | X | |
| Opa-locka | | | X | | | X | |
| Orange County | X | | | X | | | |
| Orange Park | | | X | | | X | |
| Orlando | X | | | X | | | |
| Osceola County | | | X | | | X | |
| Pinecrest | | | X | | | X | |
| Port Richey Inc | | | X | | | X | |
| Sarasota | | | X | | | X | |
| South Miami | | | X | | | X | |
| Sunrise | | | X | | | X | |
| Sweetwater | X | | | X | | | |
| Tampa | X | | | X | X | | |
| West Miami | X | | | | | X | |
| West Park | | | X | | | X | |
| Winter Park | | | X | | X | | |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 25. Has red light camera footage been used to investigate other crimes? | Question 26. If red light camera footage has been used to investigate other crimes within your respective jurisdiction, please select all that apply: | | | | | Question 27. Is your respective jurisdiction continuing the red light camera program in Fiscal Year July 1, 2021 - June 30, 2022? | Question 28. Has your respective jurisdiction conducted an independent red light camera analysis? |
|---------------------------------------|--|---|------------------------|----------------|-----|--|---|---|
| | | Crash Investigation | Criminal Investigation | Missing Person | N/A | Other (please specify) | | |
| Aventura | Yes | X | X | | | | Yes | No |
| Bal Harbour Village | Yes | X | X | | | | Yes | No |
| Belle Isle | Yes | X | X | | | | Yes | No |
| Boynton Beach | Yes | X | X | X | | | Yes | No |
| Clearwater | Yes | X | X | | | | Yes | No |
| Coral Gables | Yes | X | X | | | | Yes | No |
| Crestview | | | | | | | Yes | No |
| Davie | Yes | X | X | | | | Yes | No |
| Doral | Yes | X | X | | | | Yes | No |
| Edgewood | Yes | X | X | X | | | No | No |
| Florida City | Yes | X | X | X | | | Yes | No |
| Green Cove Springs | Yes | X | X | | | Hit and run traffic crash | Yes | No |
| Gulf Breeze | Yes | X | X | | | | Yes | No |
| Haines City | Yes | X | X | | | | Yes | No |
| Hillsborough County | Yes | X | | | | | Yes | No |
| Key Biscayne | Yes | X | X | | | | Yes | No |
| Kissimmee | Yes | X | X | | | | Yes | Yes |
| Lakeland | Yes | X | X | X | | | Yes | No |
| Maitland | Yes | X | X | X | | | Yes | Yes |
| Manatee County | Yes | X | X | | | | Yes | No |
| Medley | Yes | X | | | | | Yes | No |
| Miami Beach | Yes | X | X | | | | Yes | No |
| Miami Gardens | Yes | X | X | | | | Yes | Yes |
| Miami Springs | Yes | X | X | | | | Yes | No |
| Midway | Yes | X | X | | | | No | No |
| Milton (Santa Rosa County) | Yes | X | X | | | Assist other agencies in their investigations also | No | No |
| New Port Richey | Yes | X | X | | | | Yes | No |
| North Miami Beach | Yes | X | X | | | | Yes | Yes |
| Ocoee | Yes | X | X | | | | Yes | No |
| Opa-locka | Yes | X | X | | | | Yes | Yes |
| Orange County | Yes | X | X | X | | | Yes | Yes |
| Orange Park | Yes | X | X | X | | | Yes | No |
| Orlando | Yes | X | X | | | | Yes | No |
| Osceola County | Yes | X | X | | | | Yes | No |
| Pinecrest | Yes | X | X | | | | Yes | No |
| Port Richey Inc | Yes | X | X | | | | Yes | No |
| Sarasota | Yes | X | X | X | | | Yes | No |
| South Miami | Yes | X | X | | | | Yes | No |
| Sunrise | Yes | X | X | | | | Yes | Yes |
| Sweetwater | Yes | X | X | X | | | Yes | No |
| Tampa | | | | | | | Yes | No |
| West Miami | Yes | X | | | | | Yes | No |
| West Park | Yes | X | X | | | | Yes | No |
| Winter Park | Yes | X | X | | | | Yes | No |

Appendix F: Jurisdiction Responses to Survey

| Name of Jurisdiction (City or County) | Question 29. Please provide any specifications or clarifications for any of your answers. There is no character limit on this answer. |
|---------------------------------------|--|
| Aventura | none |
| Bal Harbour Village | |
| Belle Isle | None |
| Boynton Beach | |
| Clearwater | N/A |
| Coral Gables | N/A |
| Crestview | |
| Davie | |
| Doral | N/A |
| Edgewood | |
| Florida City | |
| Green Cove Springs | |
| Gulf Breeze | |
| Haines City | |
| Hillsborough County | |
| Key Biscayne | |
| Kissimmee | none |
| Lakeland | |
| Maitland | |
| 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 Beach | |
| Miami Gardens | N/A |
| Miami Springs | |
| Midway | |
| 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 |
| Ocoee | |
| Opa-locka | |
| Orange County | Re-location of cameras |
| Orange Park | |
| Orlando | 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. |
| Osceola County | |
| Pinecrest | |
| Port Richey Inc | |
| Sarasota | |
| South Miami | |
| Sunrise | N/A |
| Sweetwater | |
| Tampa | |
| West Miami | N/A |
| West Park | n/a |
| Winter Park | |

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 |

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

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| 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 |