

**Tab 3**  
**Red Light Camera**  
**Scope of Services**

Digital Camera Technology

**4 IN 1 ENFORCEMENT CAPABILITIES OVERVIEW**

**Red Light Enforcement**

- Up to **7 Lanes** of Enforcement
- Infrared (IR) Illumination – No White Flash
- Multiple, Lane-Specific HD Video Cameras
- License Plate Rewind Function™
- Multiple, Simultaneous Violation Capture

**Speed Enforcement**

- 3D Object Tracking Radar
- Lane Identification
- Works in All Weather Conditions
- Concurrent Tracking of up to 150 Objects
- Works Simultaneously with Red Light Enforcement

**Video Surveillance**

- Multiple, Lane-Specific HD Cameras Provide Live Streaming Capability
- 45 Day Video Archival
- Remote Camera Access and Video Retrieval
- Ideal for Accident or Crime Reconstruction

**License Plate Reader**

- Real-Time License Plate Identification
- Centralized Archive Across All Cameras
- Real-Time Alerts with Notification
- Custom Hot Lists
- Plate Data Export
- Works Simultaneously with Red Light Enforcement



**MULTIPLE VIDEO CAMERAS**

RedSpeed is the only vendor utilizing lane-specific, high resolution (3-5 mega pixels, 17-30 Max frames per second), video cameras in combination with infra-red (IR) illuminators to maximize the number of violations successfully captured and prosecuted. It is important to emphasize that these lane-specific video cameras increase the number of prosecutable violations by 10%. The number increases substantially on roads with heavy queuing traffic or roads used by large scale vehicles such as tractor trailers, construction vehicles, etc., which, when enforced by still image systems (used by competitors) result in lost violations due to obstructed license plate views.

The system is designed to capture straight thru, left, and right turn on red violations, and can also be configured to capture specific lanes of enforcement. Individual red signals can be monitored separately, as well as green arrows for protected permitted turns, to prevent capture of erroneous violations on a valid turn signal.

RedSpeed’s all-video based camera system solution offers significant benefits:

**Reduced Camera Downtime:** Unlike many competitors’ mechanical shutter-based cameras, RedSpeed’s network-based system does not suffer from mechanical maintenance issues; i.e. it does not break down after a certain (and limited) number of photographs have been taken. This feature significantly reduces camera downtime and mandatory maintenance.

**Intersection Viewing:** Having an all-video based system enables Police to simultaneously record video evidence from multiple angles, showing both an overall intersection "scene" as well as each individual lane with resolution high enough to read each passing car license plate. This method is significantly more helpful during accident investigations or scene reconstructions as it can provide an unparalleled level of detail. Most competitors rely on a combination of video camera for intersection overview evidence and still, mechanical shutter-based cameras for before/after and zoom-in images.

**License Plate “Rewind” Ability:** RedSpeed can extract a license plate picture when the images automatically generated by the camera are either unclear or illegible – a feature completely unique to the RICS system. Based on our operational experience in Illinois, we have identified a number of scenarios where the license plate image is either not visible or is obscured by another object, which typically results in the violation being rejected during processing. Common examples include: "washed out" plates due to sun glare, license plates blocked by other vehicles and tractor-trailer or any long wheelbase vehicles not "fitting" into a standard still shot.

Because RedSpeed’s system captures and records video from multiple lane-specific cameras, RedSpeed’s back-office operators can, for the first time, identify and **REPAIR** these image deficiencies by accessing the archived video directly from the camera and rewinding (or fast forwarding) until a clear license plate image emerges. This capability is essential when monitoring intersections with heavy semi-truck and trailer traffic.

Utilizing the license plate rewind capability, RedSpeed’s violation review team will be able to maximize the number of enforceable violations submitted to the Miami Beach Police for final review and approval.



**SiteOps™ LIVE INTERSECTION VIEWING**

RedSpeed's proprietary, web-based SiteOps™ software can be utilized by authorized municipal users to access "live" video and archived video data on specific red light enforced intersections without suspending the red-light enforcement function. Having an all-video based system enables Police to simultaneously view and record video evidence from multiple angles, showing both an overall intersection "scene" as well as each individual lane with resolution high enough to read each passing car license plate.

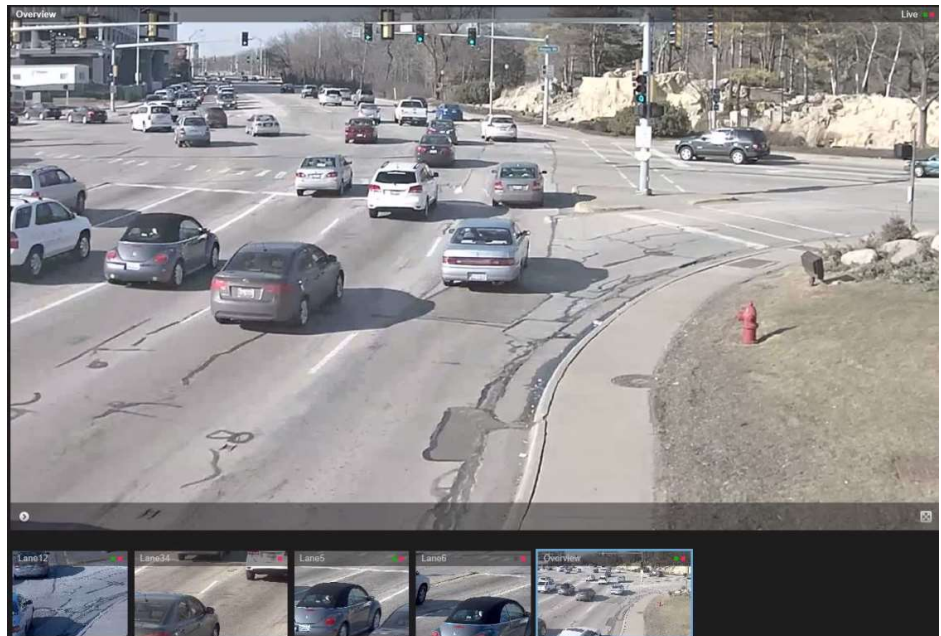
This method is significantly more helpful during accident investigations or scene reconstructions as it can provide an unparalleled level of detail. Most competitors rely on a combination of video camera for intersection overview evidence and still, mechanical shutter-based cameras for before/after and zoom-in images.

While other vendors may offer an overview option, they cannot provide the zoom capability necessary to allow Police users to identify and confirm license plate numbers.

By logging onto <https://Siteops.RedCheck.org>, authorized users may view:

**Live Intersection Overview**

View real time overview of intersection traffic at enforced approaches in 30FPS, full HD 1080P.

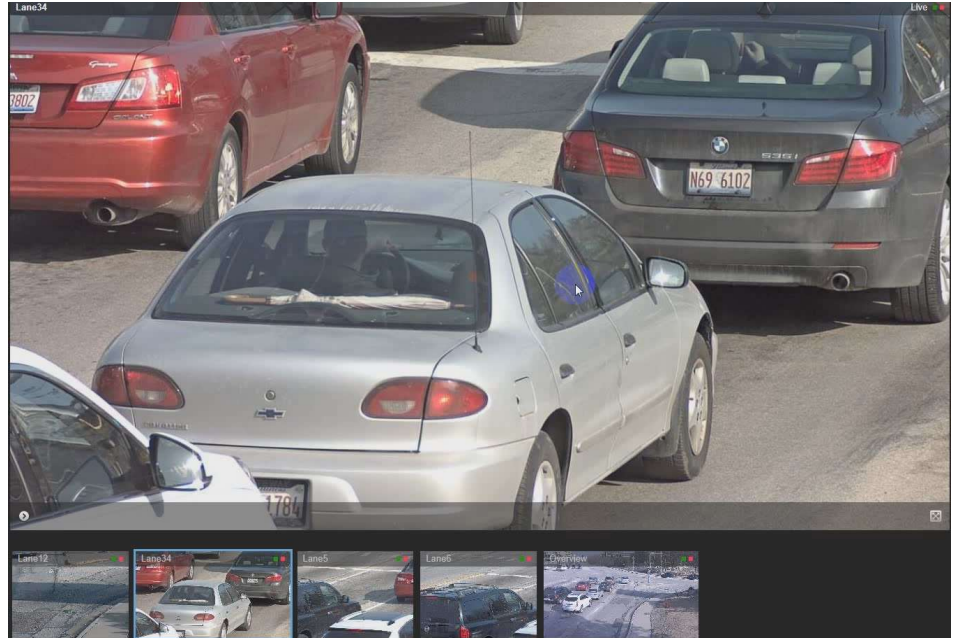




### Lane Specific View

Unique to RedSpeed, the high definition, lane specific video cameras record all lanes simultaneously, enabling authorized users to select a specific lane on the overview screen and zoom in to identify license plate numbers.

This is a valuable tool during instances such as Amber Alerts. **Other vendors cannot provide the zoom capability** which allows Police to identify and confirm license plate numbers.



### Download Archived Video Footage

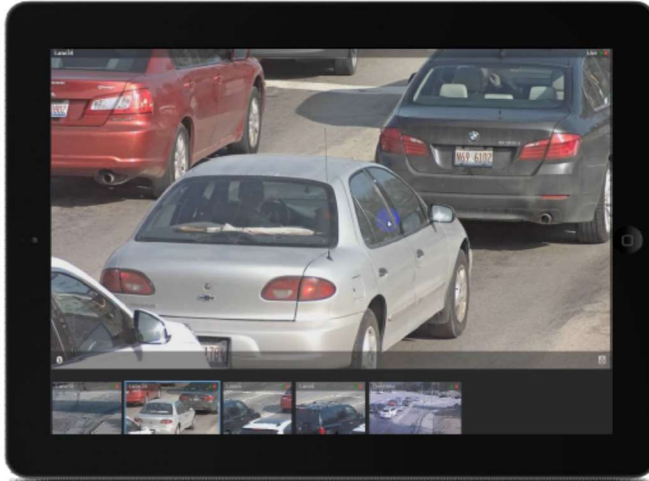
Each camera is equipped with up to 16 terabytes of onsite storage.

**Up to 45 days of video data archival** is available.

Once the requested data has been exported, selecting the download feature allows the User to save the data directly to their PC.



Live intersection viewing / streaming is accessible on all mobile devices including I Pads, Tablets and Smart Phones. This functionality is particularly valuable since it enables officers to immediately access live streaming and archived video footage for accident reconstruction while on scene.



To date SiteOps™ has been integral in solving recent homicides within the Illinois suburbs of Western Springs and Blue Island. It also assisted the Village of Elk Grove, IL in apprehending an individual responsible for multiple home burglaries as well as assisting the Village of Justice, IL in identifying and apprehending an individual responsible for extensive neighborhood vandalism and property destruction. Within Florida the Sarasota Police Department has credited RedSpeed's SiteOps functionality with helping identify and apprehend individuals involved in a car theft operation.

**The enclosed DVD includes a short video demonstration of the SiteOps™ functionality.**

**License Plate Recognition System – Amber & Silver Alert Functionality**

RedSpeed’s License Plate Recognition System (LPRS) is an optional add-on module that works in parallel with the red light/speed enforcement system.

**Red light enforcement need not be suspended in order to run the system,**  
as is the case with many other red-light enforcement systems.

**The enclosed DVD includes a short video demonstration of the LPRS functionality.**

Since LPRS utilizes existing red-light camera hardware, no camera or roadway modifications are required. LPRS provides authorized police users with:

- Real-time Amber or Silver Alert functionality
- Access to a 30-day (configurable upon installation) archive of all license plates detected by the system.

Authorized users access the system via a web-based, secure portal at <https://lprs.redcheck.org>



Once authenticated, users can either create or modify new alerts or search historical data.

If LPRS is installed on multiple approaches within a Municipality, the system allows for alerts and searches to be enabled either system wide within the community or by individual sites.



When creating a new alert, the user is required to provide an exact or partial license plate number (for example, when searching for plates containing “123”, the user could enter \*123\*. If the plate ends with 123, the search will be \*123).

In addition to plate number, additional alert attributes must be added: vehicle color, state, make, case#, etc.

Each alert is set to expire in either 7 or 14 calendar days.

User can be notified in real time of any matches using either email or text message.  
The LPRS provides an overview of all active alerts, number of matches and expiration dates.  
Authorized users can create new alerts or edit/delete existing ones.

License Plate Recognition System
Welcome, Robert Liberman! [ Log Out ]

Alerts
Plate Archive

Add Plate

#	Date Added	License Plate Number	License Plate State	# of Matches		Expires	Created by	Action
1	10/19/2016	*630*	Illinois	6254	Amber alert test	11/02/2016	Robert Liberman	Edit   Delete

Detailed alert results show the location, date and time of the record license plate image matches, as well as a high-resolution original image. Using the date/time/location, authorized user can then access RedSpeed's SiteOps™ to review

Search Result of "\*630\*"

Vehicle info

Plate #: \*630\* State: Illinois  
Make: Acura Color: Blue

Search info

Case #: 123-34567  
Reason: Amber alert test

Registration info

Created by: Robert Liberman Date added: 10/19/2016 at 10:38  
Notifications: Expire: 11/02/2016

#	Date/Time Recorded	License Plate Number	Location	Zoom Plate Image
6243	10/19/2016 06:05:05 AM	V386307	Ute (V): OGDEN & YACKLEY W	
6242	10/19/2016 05:58:58 AM	2618305	Ute (V): OGDEN & YACKLEY W	
6241	10/18/2016 08:50:35 PM	8304458013	Ute (V): OGDEN & YACKLEY W	
6240	10/19/2016 05:21:07 PM	S305304	Ute (V): OGDEN & YACKLEY W	
6239	10/18/2016 05:19:30 PM	Q630328	Franklin Park (V): GRAND & MANHEIM S	
6238	10/18/2016 05:16:46 PM	X447630	Franklin Park (V): GRAND & MANHEIM S	
6237	10/18/2016 05:04:03 PM	A630201	Ute (V): OGDEN & YACKLEY W	
6236	10/18/2016 04:42:20 PM	A630322	Ute (V): OGDEN & YACKLEY W	
6235	10/18/2016 04:40:18 PM	83014696100	Ute (V): OGDEN & YACKLEY W	
6234	10/18/2016 04:27:31 PM	156308H	Franklin Park (V): GRAND & MANHEIM S	
6233	10/18/2016 04:05:02 PM	830479720	Franklin Park (V): GRAND & MANHEIM S	

Page 1 of 126 (6254 items) 1 2 3 4 5 6 7 ... 124 125 126

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Finally, the "Plate Archive" tab allows authorized users to search the historical archive of all plates captured by the system or multiple LPR systems (if the municipality has activated the LPRS functionality across all red light cameras within their community).

Searches of the archive can be conducted by specifying plate, date, time or location.

The screenshot shows the 'License Plate Recognition System' interface. At the top, there are tabs for 'Alerts' and 'Plate Archive'. Below the tabs, there are search and filter options. A table lists search results with columns for ID, Date/Time, License Plate Number, Location, and Zoom Plate Image. A large image of a car with license plate SYB 98 is displayed on the right side of the interface.

#	Date/Time Recorded	License Plate Number	Location	Zoom Plate Image
1485	10/19/2016 10:43:03 AM	2645465	Franklin Park (V); GRAND & MANNHEIM S	
1484	10/19/2016 10:43:03 AM	9059	Franklin Park (V); GRAND & MANNHEIM S	
1463	10/19/2016 10:43:00 AM	Y706148	Franklin Park (V); GRAND & MANNHEIM S	
1462	10/19/2016 10:42:48 AM	578900	Franklin Park (V); GRAND & MANNHEIM S	
1481	10/19/2016 10:42:42 AM	J1AU	Lisle (V); OGDEN & YACKLEY W	
1480	10/19/2016 10:42:33 AM	7JII	Lisle (V); OGDEN & YACKLEY W	
1479	10/19/2016 10:42:33 AM	BICKU/P	Lisle (V); OGDEN & YACKLEY W	
1478	10/19/2016 10:42:30 AM	7522968	Lisle (V); OGDEN & YACKLEY W	
1477	10/19/2016 10:42:27 AM	G310088	Lisle (V); OGDEN & YACKLEY W	
1476	10/19/2016 10:42:26 AM	E630451	Lisle (V); OGDEN & YACKLEY W	
1475	10/19/2016 10:42:23 AM	8008488	Franklin Park (V); GRAND & MANNHEIM S	

Sample email alert of match to plate search.

The screenshot shows an email alert titled 'LPRS Alert: \*5010\* - Message (HTML)'. The email content includes the following information:

- RedSpeed's LPRS found a plate matching search criteria: \*5010\*. See details below:
- Plate: N501039
- City: City of Franklin Park
- Street: GRAND & MANNHEIM S
- Date/Time: 10/21/2016 8:20:58 AM
- Site Code: RSI0107

A zoomed-in image of the license plate N50 1039 is shown on the right side of the email body.

**REDSPEED DUAL RED-LIGHT & SPEED INTELLIGENT CAMERA SYSTEM – RICS**

**System Components**

As part of the proposed turn-key solution, RedSpeed will provide and install all equipment including, but not limited to, poles, cabinets and related operational equipment associated with the Red-Light Camera System. The RICS system is specifically designed to withstand the harshest of weather conditions (-30 to 110°F), with enclosures being fitted with temperature monitors to control fans / heaters based upon the unit’s internal temperature. The camera enclosures are water and salt resistant, dust proof, bullet proof and highly scratch resistant. The systems have been designed for installation in extremely hostile environments where safety and security are a high priority, secured with heavy duty locks and hinges. As the unit is securely mounted on an 18’ pole, acts of vandalism are mitigated. All metalwork is constructed from either aluminum or stainless steel, zinc dipped, and powder painted according to the City’s standards to minimize any visual impact. The adaptable and streamlined design results in an efficient integration into to street infrastructure with a minimal footprint.

The proposed system is fully networked and continuously time synched to a central server to ensure consistency between all systems. Utilizing a LINUX operating system, RICS provides up to 7 lanes of coverage in addition to supporting site analytics such as speed, traffic counts and volume.

A complete system capable of monitoring **up to (7) lanes** can be installed in one of two ways:

1. Mounted onto an existing infrastructure component such as a street light pole,
2. Utilizing the 18’ tapered aluminum break-away pole shown below installed 75-100’ from the stop bar.

**RICS System Components**

- The streamlined, stand-alone pole can be painted according to the City’s request and is designed to blend with the intersection configuration.
- Aluminum Camera enclosures are weather resistant (-30° to 110°F), water resistant, dust and bullet proof and secured with heavy duty locks and hinges.
- Camera Enclosures are fitted with temperature monitors to control fans and heaters based upon the unit’s internal temperature.
- All components are fashioned so that maintenance and other operations can be accomplished quickly and easily without impacting public safety.



3D  
Object  
Tracking  
Radar

IR Illuminator Panel

Camera Housing with Multiple HD Video Cameras



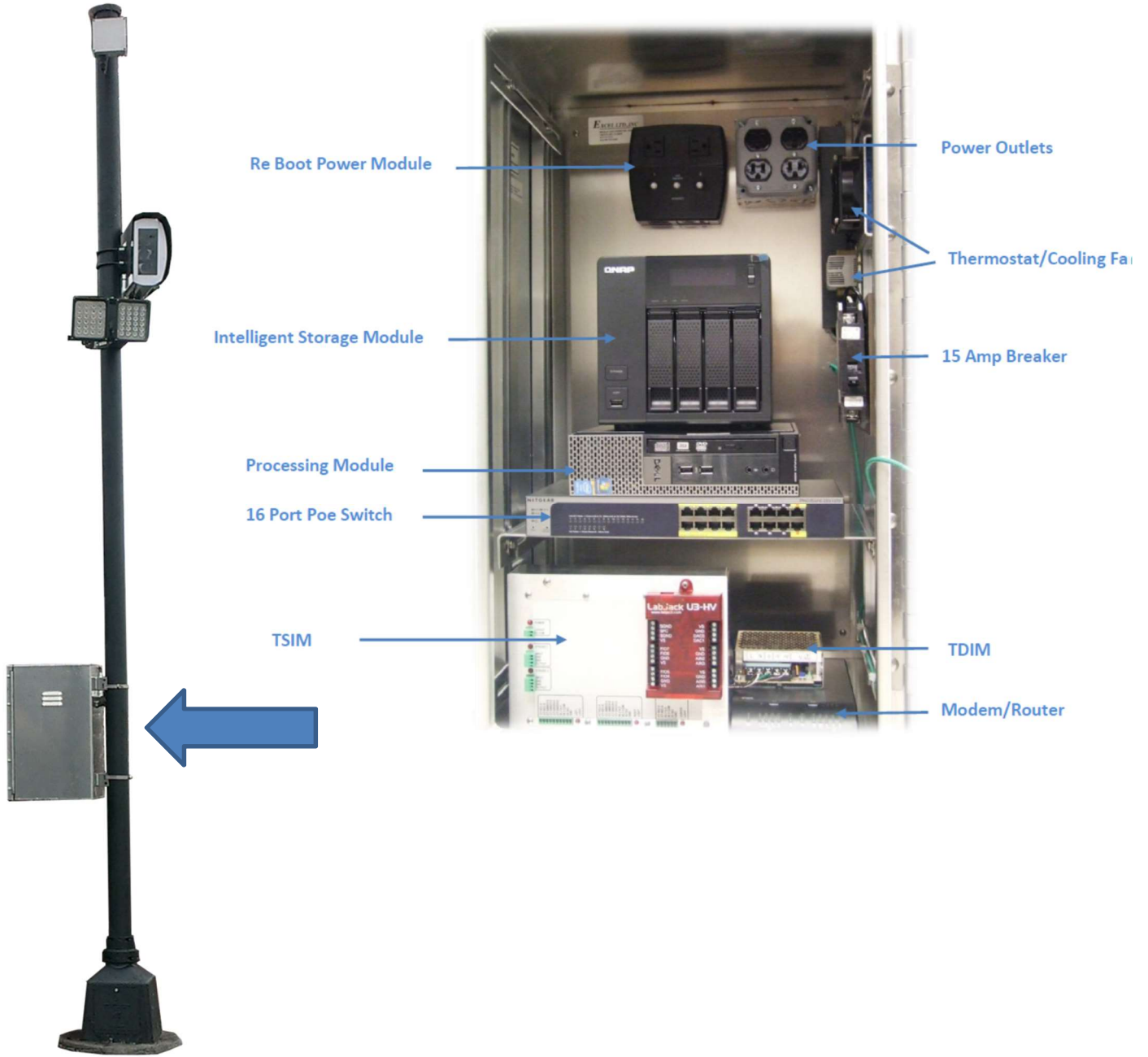
- 1/3.2" Progressive Scan RGB CMOS Sensor
- 5 Mp and 3Mp Resolution Modes
- P-Iris Control
- Varifocal 2.8-8mm F1.2 Lens
- 80 to 32° Angle of View
- Multiple H.264 Streams
- Digital Pan-Tilt-Zoom / Multi-View Streaming
- Edge Storage / Pixel Counter

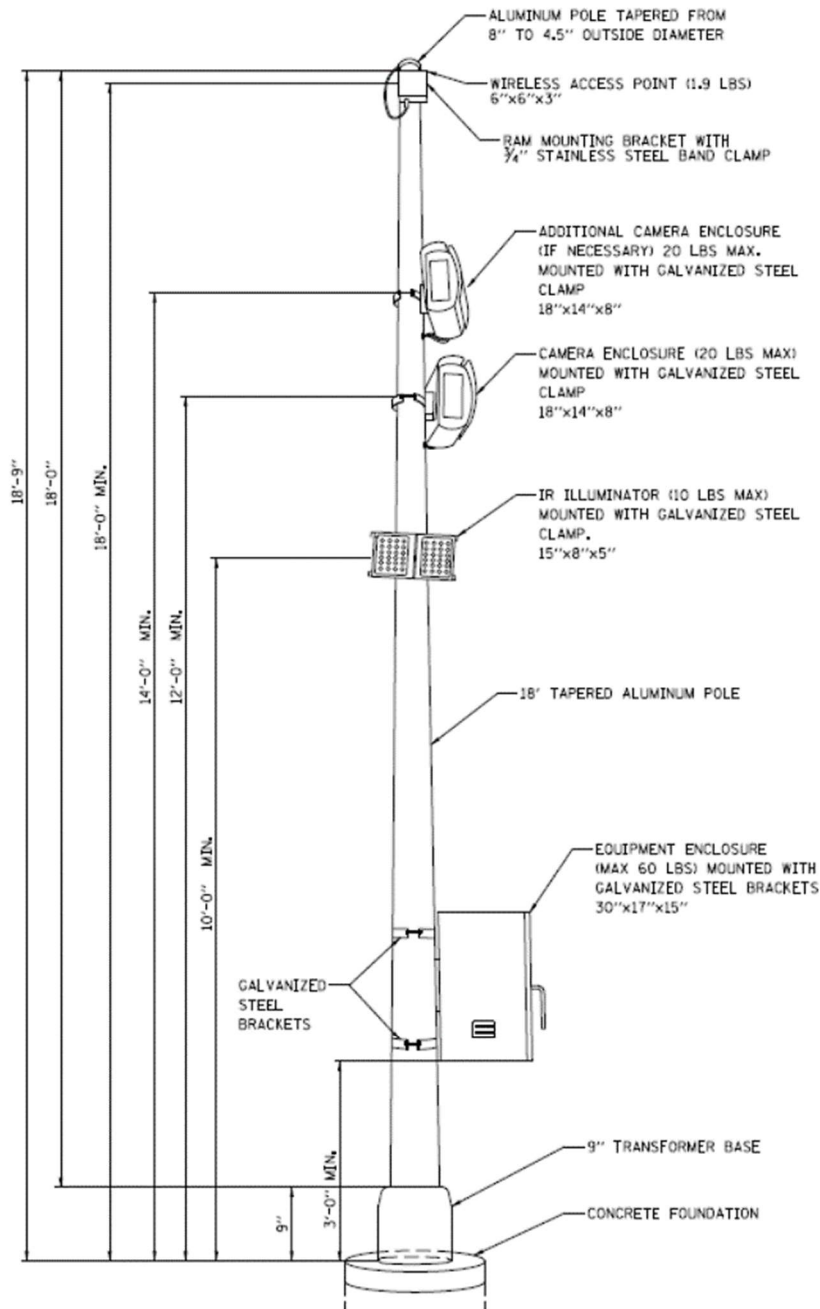
Camera Cabinet Housing Communication, Computing and Storage Components.

**Intelligent Road Storage Module**

Included in the camera cabinet housing, this storage module is designed to store large amounts of video violation data up to 16 terabytes. A web-based browser facilitates remote access offering up to 45 days of data being accessible for remote download thru RedSpeed’s proprietary SiteOps™ website

Street Side Pole Mounted Enclosure





**RED LIGHT ENFORCEMENT CAMERA SYSTEM AND POLE**  
NOT TO SCALE

REDSPEED, LLC.  
400 EISENHOWER LANE  
LOMBARD, ILLINOIS 60148

**RED LIGHT ENFORCEMENT CAMERA SYSTEM AND POLE  
DETAIL SHEET**

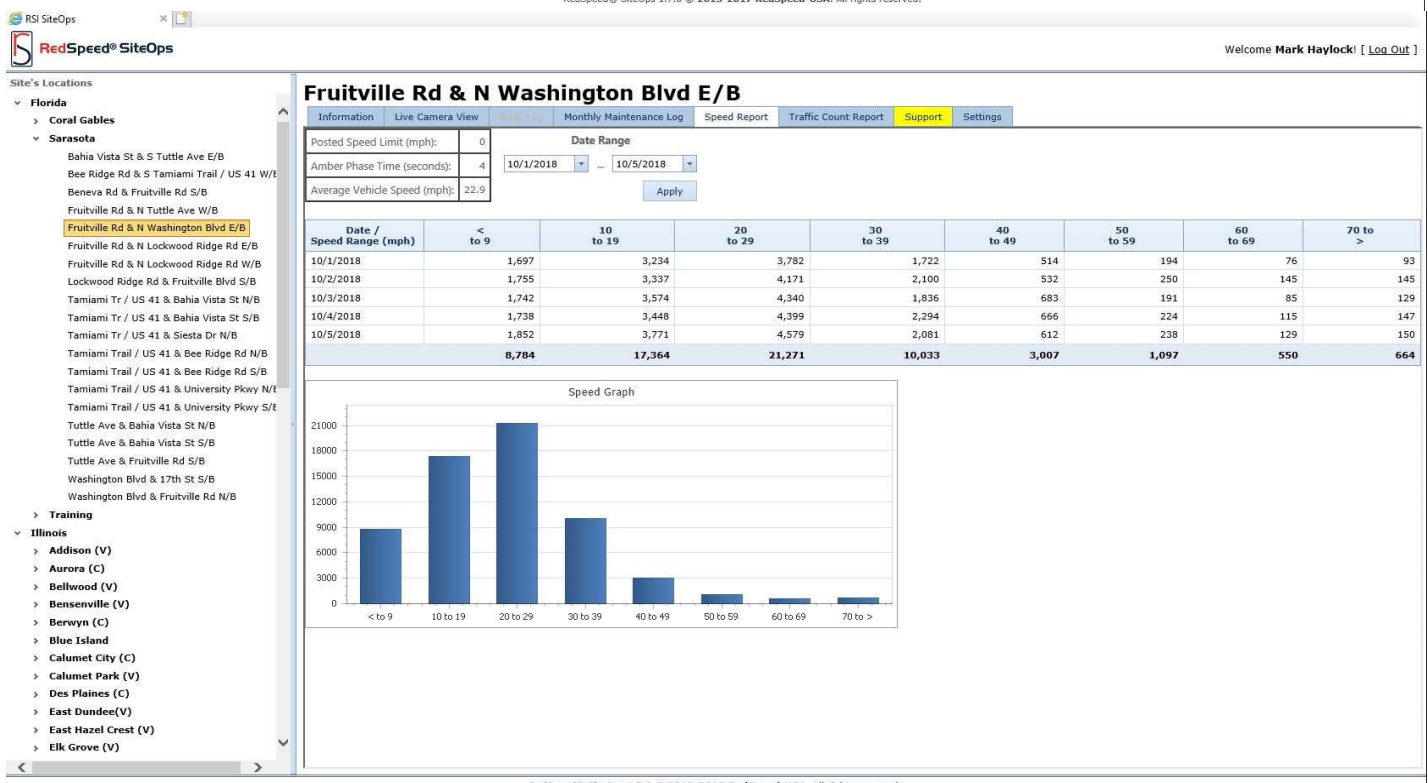
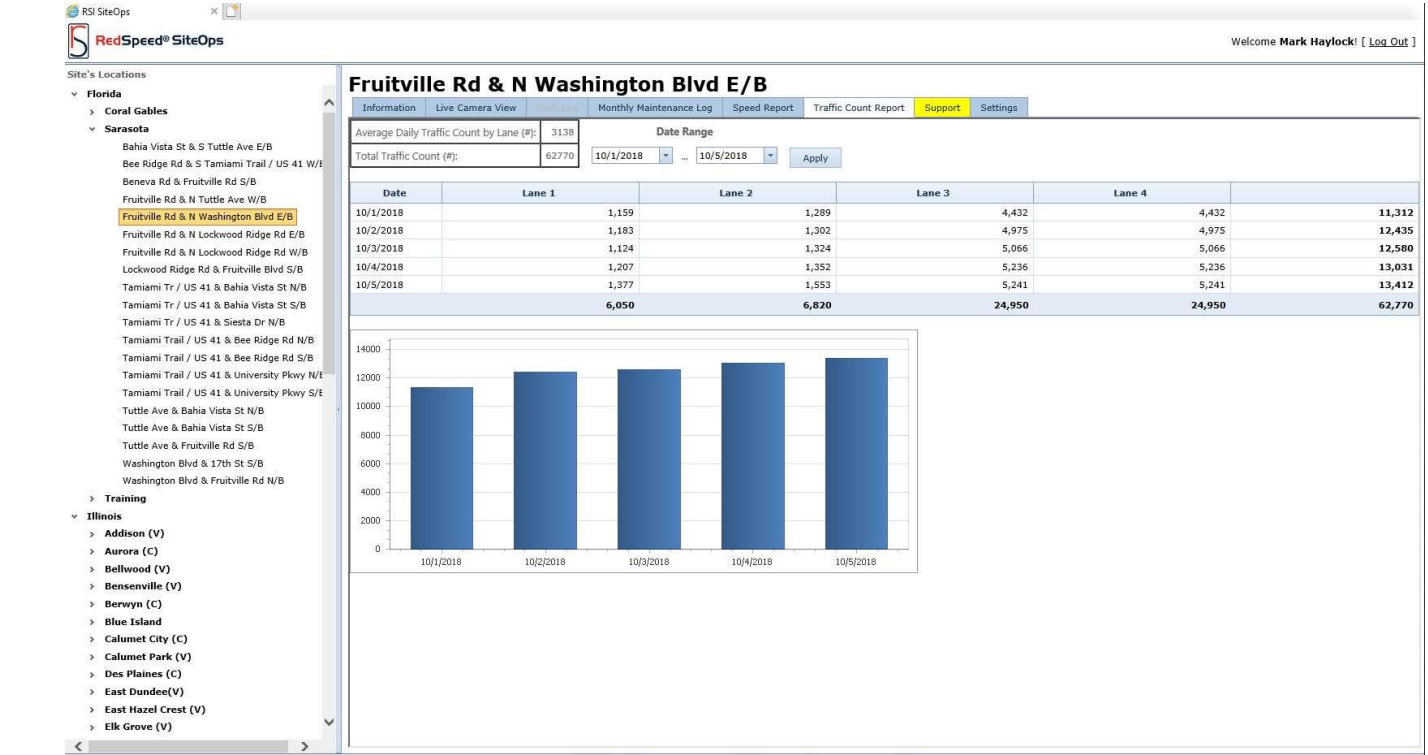
CALC.	EAJ	PROJECT NO.
DWN.	FB	150539
CRKD.	GMZ	SHEET 1 OF 2
SCALE	N.T.S.	DRAWING NO.
DATE	10/24/2016	

\\REDSPED\150539\Traffic\Light Ent Camera Detail.dgn



### 1.2 Traffic Data Statistical Reports

The RedCheck™ Violation Processing and Document Management System includes numerous pre-configured reports to provide municipal clients with detailed statistics pertaining to all aspects of their photo enforcement program. These reports have been designed based upon requests from existing clients and can certainly be customized to meet any specific requirements of the City. All reports are accessible online by authorized municipal users at any time.



### 1.3 Operating Conditions

RedSpeed's RICS system is specifically designed to withstand the harshest of weather conditions (-30 to 110°F), with enclosures being fitted with temperature monitors to control fans / heaters based upon the unit's internal temperature. All metalwork is constructed from either aluminum or stainless steel, zinc dipped, and powder painted according to the City's standards to minimize any visual impact. The adaptable and streamlined design results in an efficient integration into to street infrastructure with a minimal footprint.

The camera enclosures are water and salt resistant, dust proof, bullet proof and highly scratch resistant. The systems have been designed for installation in extremely hostile environments where safety and security are a high priority, secured with heavy duty locks and hinges. As the unit is securely mounted on an 18' pole, acts of vandalism are mitigated.

The system is comprised of multiple HD network-based **video cameras** that record both overview and lane-specific video evidence. The system is designed to capture straight thru, left, and right turn on red violations over **7 lanes of moving traffic**. The system can be configured to capture specific lanes of enforcement. Individual red signals can be monitored separately, as well as green arrows for protected permitted turns, to prevent capture of erroneous violations on a valid turn signal.

### 1.4 Non-Invasive, Non-Physical Signal Detection

As required by the City, all infrastructures for the RedSpeed system including but not limited to signal posts, controller cabinet, appropriate foundations interconnecting conduit and service disconnects will be installed and maintained separately from the existing traffic signal infrastructure. The only interaction with existing infrastructure is gaining access to the double hand hole at the traffic controller and the short (typically less than 6 feet) conduit run into the traffic controller.

RedSpeed utilizes toroidal current sensing transformers, the least invasive but most accurate means of traffic signal status detection. Voltage and/or current monitoring of the signal lamps is the most reliable means of signal status detection and ensures the system "sees" what the driver "sees". These inductive coils are placed around the individual conductors for the appropriate color and movement and then attached to a RedSpeed specific cable that carries the signal though newly installed conduit to the RedSpeed system.



**Toroid (solid closed)**

The use of toroids gives a physical isolation between the traffic controller and the RedSpeed system, while optically isolating the RedSpeed Lamp Monitoring Unit. These two levels of isolation ensure that in no way can a malfunction in the RedSpeed system or the traffic controller can cause damage, or dangerous faults in the other. As required, use of this type of signal detection ensures that there are no physical modifications to traffic system equipment, ensuring no liability issues for the City.

### 1.5 Captured Violation Images

The RedSpeed system exceeds the City's requirement and captures 4 digital color images of the offending vehicle:

- Vehicle Before the front wheels strike the legal violation limit line,
- Vehicle After the rear axle has crossed the crosswalk or legal limit line
- A full body shot of the vehicle identifying both make and model,
- A zoom shot of the license plate completes the evidence package



Vehicle captured with front wheels **BEFORE** the infraction limit line.



Vehicle captured with front wheels **AFTER** the infraction limit line.



Vehicle full view identifying Make and Model



Close-up of License Plate



1.6 and 1.7 Data Bar

A secure data bar is embedded to each of the digital images collected at the instant the violation is captured. The data bar is simultaneously encrypted with the violation images to ensure there is no possible opportunity for evidence tampering.

Emphasis should be placed on the data bar being **embedded and not attached** into the image as attaching the image could (in a court of law) potentially be misrepresented as a manipulation of the image.

Each violation is also assigned a 16-digit permanent and encrypted RedCheck™ Identification Number which remains with the violation through the violation's entire lifecycle. This tracking number enables both RedSpeed and the City authorized users to monitor and audit every violation captured by the system, and functions as a digital signature confirming the authenticity of the data.

The Data Line in all RedSpeed captured images will be **customized** to include all the specific requirements of the City. The Data Line is clear and legible both on the printed violation as well as on the on-line or computer screen image. The images below are representative of RedSpeed's existing data bar being utilized by the City of Coral Gables, Florida. At this time the City has opted against displaying vehicle speed, however, this could easily be added to fulfill the City's requirement.







**1.8 Ancillary Violation Video**

The RedSpeed Red Light Photo Enforcement System uses lane-specific, high resolution (3-5 mega pixels, 17-30 Max frames per second), video cameras in combination with infra-red (IR) illuminators to maximize the number of violations successfully captured and prosecuted. This overview video functions as supplemental infraction evidence to the still images and zoom license plate image. The video-based system captures and stores full motion video clips of the violation event, which are available to police reviewers as well as violators thru the on-line violation viewing and payment portal maintained by RedSpeed.



Municipal users can select video playback speeds of normal, ½, ¼ and 1/8 speed to assist in isolating the exact moment of the infraction.

It is important to emphasize that these lane-specific video cameras **increase the number of prosecutable violations by 10%**. The number increases substantially on roads with heavy queuing traffic or roads used by large scale vehicles such as tractor trailers, construction vehicles, etc., which, when enforced by still image systems (used by competitors) result in lost violations due to obstructed license plate views.

### **1.9 Microprocessor Controlled**

The RedSpeed system is fully networked and continuously (every 15 minutes) time synchronized to a central server to ensure consistency between all systems. Utilizing a LINUX operating system, RICS provides up to 7 lanes of coverage in addition to supporting site analytics such as speed, traffic counts and volume. RedSpeed's RICS system utilizes the national standard Network Time Protocol to ensure all enforcement cameras are synchronized to a single, external, and verifiable time and date source.

### **1.10 Remote Activation and Maintenance Support**

#### **1.11 Self-test upon set-up**

#### **1.12 On-line debugging of malfunctions**

### **Remote Maintenance**

Continuous monitoring of the Miami Beach sites by RedSpeed violation reviewers and field engineers in our Lombard facility ensures all sites are maximizing performance. These daily operational performance checks enable RedSpeed to immediately detect and resolve potential problems prior to site repairs being required or downtime incurred. When a fault is detected, the Field Engineering Manager will immediately notify the appropriate City personnel of the occurrence and provide updates until the fault is resolved.

### **Daily Remote Quality Checks and Remote Site Monitoring**

The proposed RedSpeed Intelligent Camera System (RICS) is designed to enable field engineers to view, monitor and configure all cameras remotely on a 24/7 basis to confirm and maximize peak functionality.

The following key items listed are only part of the systems capabilities:

- Ability to monitor all traffic signal phases, plus the ability to suspend individual lanes should the City require it. i.e. construction taking place (the system will automatically highlight any malfunctions).
- Ability to monitor cameras at desired location and adjust settings accordingly, including adjustment of pre & post time settings for the violation video.
- Ability to monitor on site storage for all violation packets, including archival video storage for 45 days of data.
- Ability to view live video direct from site location – (this functionality is also accessible via Site Ops)
- Ability to download up to 45 days' archival video – (this functionality is also accessible via Site Ops)

Continuous monitoring of the Miami Beach sites by RedSpeed violation reviewers and field engineers in our Lombard facility will ensure all sites are maximizing performance. These daily operational performance checks enable RedSpeed to immediately detect and resolve potential problems prior to site repairs being required or downtime incurred.

The RICS camera units carries out a self-test calibration every 24 hour to confirm all system functionalities are operating correctly. Below are Samples of the generated Pass and Fail Logs. Once the Pass / Fail log files are generated and confirmed, they are stored on Site Ops™ for future verification.

**PASS LOG**

Camera Details	
Unit SN:	RSI0015
Site code:	RSI0015
Site address:	NORTH & IL 59 S
Operator ID:	
Signed Speed:	35.0
Trigger speed:	60.0
Time:	05:09:49 24hr
Date:	10/12/2018
Radar:	OK
Camera:	OK

**RADAR FAIL LOG**

Camera Details	
Unit SN:	RSI0015
Site code:	RSI0015
Site address:	NORTH & IL 59 S
Operator ID:	
Signed Speed:	35.0
Trigger speed:	60.0
Time:	05:09:49 24hr
Date:	10/12/2018
Radar:	Error
Camera:	OK

**CAMERA FAIL LOG**

Camera Details	
Unit SN:	RSI0015
Site code:	RSI0015
Site address:	NORTH & IL 59 S
Operator ID:	
Signed Speed:	35.0
Trigger speed:	60.0
Time:	05:09:49 24hr
Date:	10/12/2018
Radar:	OK
Camera:	Error

**Automated Video Camera Settings**

RedSpeed's multiple HD Video Camera solution is specifically designed to allow for full remote access and maintenance (via a high-speed copper Internet line) as well as automatic self-adjustment. Whether a function is Fixed or Automatic is dependent upon what the specific camera is designed to capture. In both cases, the Field Services Engineer can make manual adjustments to ensure optimal camera performance and capture.

**Camera 1 – Intersection Overview Camera**

- Lighting – Automatically self-adjusts to compensate for lighting conditions.
- Focus – Fixed
- Aperture – Automatically self-adjusts during low light or night time operation.



Camera 2+ - Lane Specific Cameras

- Lighting – Fixed
- Focus – Fixed – manually set to focus on a specific set point at the stop bar
- Aperture - Fixed

Remote site monitoring is also accomplished using RedSpeed’s proprietary Site Monitoring Utility (SMU) (Figures 1 and 2).

Monitoring Sites (IL)									
Site Name	Comm status	Site Code	IP Address	Last Imported Date int... Δ	Imported data	Imported data (old)	% change	% variable	
Elk Grove (V): RT. 53 & BIESTERFIELD N		RDS: RSI0021	10.10.108.4	1/21/2015 4:05:38 PM	168	159	5.7 %	20.0 %	
Western Springs (V): OGDEN & WOLF E		RDS: RSI0038	10.10.10.4	1/21/2015 4:05:39 PM	42	36	16.7 %	20.0 %	
Palatine (V): RAND & DUNDEE E		RDS: RSI0048	10.10.145.4	1/21/2015 4:05:39 PM	199	208	4.3 %	10.0 %	
Schiller Park (V): LAWRENCE & RIVER S		RDS: RSI0059	10.10.147.4	1/21/2015 4:05:39 PM	98	103	4.9 %	20.0 %	
Wheeling (V): MILWAUKEE & DUNDEE N		RDS: RSI0061	10.10.131.4	1/21/2015 4:05:40 PM	202	182	11.0 %	20.0 %	
Melrose Park (V): MANNHEIM & LAKE N		RDS: RSI0076	10.10.56.4	1/21/2015 4:05:40 PM	103	104	1.0 %	20.0 %	
Lisle (V): OGDEN & YACKLEY E		RDS: RSI0088	10.10.65.4	1/21/2015 4:05:40 PM	66	68	2.9 %	25.0 %	
East Dundee(V): IL68 & IL72 S		RDS: RSI0093	10.10.34.4	1/21/2015 4:05:40 PM	396	338	17.2 %	10.0 %	
Calumet Park (V): Obama Drive/127 th St & Ashland E		RDS: RSI0101	10.10.12.4	1/21/2015 4:05:41 PM	174	163	6.7 %	10.0 %	
East Dundee(V): IL72 & IL25 W		RDS: RSI0110	10.10.109.4	1/21/2015 4:05:41 PM	266	228	16.7 %	10.0 %	
Calumet City (C): 159TH & ARTHUR ST E		RDS: RSI0117	10.10.98.4	1/21/2015 4:05:42 PM	25	23	8.7 %	10.0 %	
Melrose Park (V): 5TH & NORTH AVE E		RDS: RSI0003	10.10.43.4	1/21/2015 4:06:42 PM	63	64	1.6 %	20.0 %	
Worth (V): SOUTHWEST HWY & HARLEM W		RDS: RSI0010	10.10.64.4	1/21/2015 4:06:43 PM	111	121	8.3 %	20.0 %	
Elk Grove (V): NERGE & ROHLWING W		RDS: RSI0019	10.10.188.4	1/21/2015 4:06:44 PM	119	95	25.3 %	20.0 %	
Waukegan (C): SUNSET & LEWIS S		RDS: RSI0033	10.10.41.4	1/21/2015 4:06:45 PM	258	241	7.1 %	25.0 %	
Lisle (V): RT. 53 & MAPLE		RDS: RSI0050	10.10.250.4	1/21/2015 4:06:45 PM	27	46	41.3 %	20.0 %	
Deer Park (V): RAND & DEER PARK E		RDS: RSI0053	10.10.181.4	1/21/2015 4:06:45 PM	66	76	13.2 %	20.0 %	
Rolling Meadows (C): KIRCHOFF & PLUM GROVE W		RDS: RSI0085	10.10.174.4	1/21/2015 4:06:46 PM	263	228	15.4 %	10.0 %	
Roselle (V): LAKE & GARY E		RDS: RSI0092	10.10.18.4	1/21/2015 4:06:46 PM	123	125	1.6 %	20.0 %	

**Figure 1**



Lane Site Monitoring (LSM)  Enable monitoring Refresh interval: 01:00:00

Site Code	Site Name	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
RS10101	Obama Drive/127th St & Ashland E	1000	1000	1000	1000	1000	1000
RS10038	DGDEN & WOLF E	1000	1000	1000	1000	1000	1000
RS10039	DGDEN & WOLF W	1000	1000	1000	1000	1000	1000
RS10088	DGDEN & YACKLEY E	1000	1000	1000	1000	1000	1000
RS10089	DGDEN & YACKLEY W	1000	1000	1000	1000	1000	1000
RS10087	PALATINE & NW HWY W	1000	1000	1000	1000	1000	1000
RS10052	PALATINE & WHEELING E	1000	1000	1000	1000	1000	1000
RS10051	PALATINE & WHEELING W	1000	1000	1000	1000	1000	1000
RS10053	RAND & DEER PARK E	1000	1000	1000	1000	1000	1000
RS10048	RAND & DUNDEE E	1000	1000	1000	1000	1000	1000
RS10049	RAND & DUNDEE W	1000	1000	1000	1000	1000	1000
RS10025	RAND & HICKS	1000	1000	1000	1000	1000	1000
RS10006	RIVER & HOGGINS E	1000	1000	1000	1000	1000	1000
RS10007	RIVER & HOGGINS N	1000	1000	1000	1000	1000	1000
RS10118	RIVER DAVIS DR & TORRENCE AVE W	1000	1000	1000	1000	1000	1000
RS10105	ROOSEVELT & DES PLAINES N	1000	1000	1000	1000	1000	1000
RS10065	ROOSEVELT & HARLEM E	1000	1000	1000	1000	1000	1000
RS10064	ROOSEVELT & HARLEM S	1000	1000	1000	1000	1000	1000
RS10023	ROOSEVELT & SUMMIT W	1000	1000	1000	1000	1000	1000
RS10037	ROOSEVELT & WINFIELD E	1000	1000	1000	1000	1000	1000
RS10050	RT. 53 & MAPLE	1000	1000	1000	1000	1000	1000
RS10099	RT. 30 & BLR3	1000	1000	1000	1000	1000	1000
RS10042	RT. 31 & BOMCOSKY S	1000	1000	1000	1000	1000	1000
RS10021	RT. 53 & BIESTERFELD N	1000	1000	1000	1000	1000	1000
RS10012	SALK TRAIL & STATE E	1000	1000	1000	1000	1000	1000
RS10014	SALK TRAIL & STATE S	1000	1000	1000	1000	1000	1000
RS10010	SOUTHWEST HWY & HARLEM W	1000	1000	1000	1000	1000	1000
RS10032	SUNSET & LEWIS N	1000	1000	1000	1000	1000	1000
RS10033	SUNSET & LEWIS S	1000	1000	1000	1000	1000	1000
RS10090	WASHINGTON & ROOSEVELT S	1000	1000	1000	1000	1000	1000
RS10066	YORK & GREEN W	1000	1000	1000	1000	1000	1000

Online Sites: 106, Total Sites: 122  
Broken Sites: 6, Sites with Lane Problem: 10

**Figure 2**

Once the engineers have confirmed communications are operational via the SMU, they remotely view violation images from every approach at each of their assigned locations. This process will enable them to confirm the site is performing properly as they check the camera’s phasing sequence, image quality, camera alignment and flash function.

The RedCheck™ system runs in conjunction with the back-office facility through a permanent high-speed communications link, providing direct access to each system through a secure network. When a violation is captured, the information is stored on a hard drive within the RedSpeed server and transmitted to RedSpeed’s violation review team. Since the review process is carried out daily, any disruption in either the number of incoming violations from a particular site or the image quality of the incoming violations would be immediately apparent to the reviewing team. The reviewers, therefore, function as a secondary operational check to the SMU and field engineers.

As the RedSpeed violation reviewers are processing the incoming violations to be forwarded to the Miami Beach Police Department, they are also analyzing the images for potential problems. RedSpeed reviewers are specifically trained to immediately log any discrepancies, including blurred license plate images, insufficient lighting, incorrect camera angle or faulty video clips, by entering a fault into RedSpeed’s web-based Fault Monitoring Utility (FMU) shown on the following page (Figure 3).

The continuous monitoring of the FMU by both engineering and violation review personnel results in a double layer of monitoring. This redundancy guarantees that any discrepancies or malfunctions occurring at one of the City’s systems (including the violation viewing website) will be:

- Immediately reported to Miami Beach personnel,
- Addressed and resolved by RedSpeed.

### Fault Monitoring Utility

ID	Registered By	Open Date	Site	Fault Type	Priority	Fault Status	Close Date	Assigned To
4642	Alejandro Valerio	3/20/2013	21001105 - RT-31 & HIGGINS N [West Dundee (V)]	No Zoom/Camera	Medium	Closed	3/20/2013	David Herrera, Alejandro Valerio
4637	Lisa Green	3/19/2013	21001157 - MANNHEIM & HIGGINS N H1 [Rosemont (V)]	No Zoom/Camera	Medium	Closed	3/21/2013	Robert Quinton, Lisa Green, Alejandro Valerio
4608	Alejandro Valerio	3/14/2013	21001151 - ALGONQUIN & RT. 53 RAMP S H1 [Rolling Meadows (C)]	No Zoom/Camera	Medium	Closed	3/14/2013	Alejandro Valerio
4594	Alejandro Valerio	3/12/2013	21001085 - IL83 & GROVE N [Bensenville (V)]	No Zoom/Camera	Medium	Closed	3/12/2013	David Herrera
4592	Alejandro Valerio	3/12/2013	21001052 - BUSSE & OAKTON W [Elk Grove (V)]	No Zoom/Camera	Medium	Closed	3/12/2013	Alejandro Valerio
4586	Alejandro Valerio	3/12/2013	21001041 - IL83 & THORNDALE S [Bensenville (V)]	No Zoom/Camera	Medium	Closed	3/12/2013	Alejandro Valerio
4574	Lisa Green	3/7/2013	21001026 - WASHINGTON & ROOSEVELT S [West Chicago (C)]	No Zoom/Camera	Medium	Closed	3/15/2013	Robert Quinton, Erik Bedwell, David Herrera, Jose Chavez, Lisa Green, Alejandro Valerio
4573	Robyn Leighton	3/7/2013	21001041 - IL83 & THORNDALE S [Bensenville (V)]	No Zoom/Camera	Medium	Closed	3/12/2013	Robert Quinton, Robyn Leighton
4569	Lisa Green	3/7/2013	21001151 - ALGONQUIN & RT. 53 RAMP S H1 [Rolling Meadows (C)]	No Zoom/Camera	High	Closed	3/15/2013	Robert Quinton, Lisa Green, Alejandro Valerio
4527	Alejandro Valerio	3/4/2013	21001151 - ALGONQUIN & RT. 53 RAMP S H1 [Rolling Meadows (C)]	No Zoom/Camera	Medium	Closed	3/4/2013	Alejandro Valerio
4677	Alejandro Valerio	3/26/2013	21001052 - BUSSE & OAKTON W [Elk Grove (V)]	Other	Medium	Assigned		Alejandro Valerio
4675	David Herrera	3/26/2013	21001001 - HARRISON & 25TH S [Bellwood (V)]	Other	Medium	Closed	3/27/2013	David Herrera
4674	Lisa Green	3/25/2013	21001163 - NORTHWEST HWY & IL22 W [Fox River Grove (V)]	Other	High	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Jose Chavez, Lisa Green, Alejandro Valerio
4673	Kathy Jensen	3/25/2013	21001113 - MANNHEIM & ROOSEVELT N [Westchester (V)]	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4672	Kathy Jensen	3/25/2013	21001112 - MANNHEIM & ROOSEVELT W [Westchester (V)]	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4671	Kathy Jensen	3/25/2013	21001095 - MANNHEIM & CERMAK S [Westchester (V)]	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4670	Erik Bedwell	3/25/2013	21001131 - ROOSEVELT & SUMMIT W [Villa Park (V)]	Other	Medium	Closed	3/25/2013	Erik Bedwell
4668	Alejandro Valerio	3/25/2013	21001007 - ILLINOIS & PLUM GROVE ROAD N [Palatine (V)]	Other	Medium	Closed	3/25/2013	Alejandro Valerio
4666	David Herrera	3/25/2013	21001001 - HARRISON & 25TH S [Bellwood (V)]	Other	Medium	Closed	3/25/2013	David Herrera
4665	David Herrera	3/25/2013	21001102 - 9TH & NORTH [Melrose Park (V)]	Other	Medium	Closed	3/25/2013	David Herrera
4664	Lisa Green	3/25/2013	21001163 - NORTHWEST HWY & IL22 W [Fox River Grove (V)]	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Jose Chavez, Lisa Green, Alejandro Valerio
4659	David Herrera	3/22/2013	21001070 - 25TH & GRAND W [Franklin Park (V)]	Other	Medium	Closed	3/25/2013	David Herrera
4653	Erik Bedwell	3/21/2013	21001162 - 171ST & HALSTED N [East Hazel Crest (V)]	Other	Medium	Closed	3/22/2013	Erik Bedwell
4652	Erik Bedwell	3/21/2013	21001005 - OGDEN & YACKLEY E [Lisle (V)]	Other	Medium	Closed	3/22/2013	Erik Bedwell
4650	Alejandro Valerio	3/21/2013	21001052 - BUSSE & OAKTON W [Elk Grove (V)]	Other	Medium	Closed	3/21/2013	Alejandro Valerio
4649	Alejandro Valerio	3/21/2013	21001061 - LAKE & GARY W [Roselle (V)]	Other	Medium	Closed	3/21/2013	Alejandro Valerio
4648	Alejandro Valerio	3/21/2013	21001117 - RAND & QUENTIN [Kildeer (V)]	Other	Medium	Closed	3/22/2013	Jose Chavez, Alejandro Valerio
4647	David Herrera	3/21/2013	21001102 - 9TH & NORTH [Melrose Park (V)]	Other	Medium	Closed	3/21/2013	David Herrera
4646	David Herrera	3/21/2013	21001086 - MANNHEIM & LAKE E [Melrose Park (V)]	Other	Medium	Closed	3/21/2013	David Herrera, Alejandro Valerio
4641	David Herrera	3/20/2013	21001013 - IRVING & RIVER E [Schiller Park (V)]	Other	Medium	Closed	3/20/2013	David Herrera
4625	David Herrera	3/18/2013	21001001 - HARRISON & 25TH S [Bellwood (V)]	Other	Medium	Closed	3/19/2013	David Herrera
4623	David Herrera	3/18/2013	21001146 - MANNHEIM & HIGGINS E [Rosemont (V)]	Other	Medium	Closed	3/19/2013	David Herrera
4622	David Herrera	3/18/2013	21001135 - LAWRENCE & RIVER E [Schiller Park (V)]	Other	Medium	Closed	3/19/2013	David Herrera
4621	Erik Bedwell	3/18/2013	21001093 - ROOSEVELT & HARLEM E [Forest Park (V)]	Other	Medium	Closed	3/20/2013	Erik Bedwell
4620	David Herrera	3/18/2013	21001102 - 9TH & NORTH [Melrose Park (V)]	Other	Medium	Closed	3/19/2013	David Herrera

Jose Chavez Total: 168, New/Open: 0, Assigned: 13, Works in Progress: 0, Works Complete: 10, Closed: 145

Figure 3

If a member of either team discovers a quality problem, the fault is immediately logged into the FMU database, and a Worker Order (WO) is generated and distributed to the field engineering manager and the field engineer assigned to that particular site (Figure 4).

ID	Registered By	Open Date	Site	Fault Type	Priority	Fault Status	Close Date	Assigned To
4645	David Herrera	3/21/2013	21001134 - LAWRENCE	Other	Medium	Closed	3/25/2013	David Herrera
4636	Erik Bedwell	3/19/2013	21001008 - RT. 53 & 84E	Other	Medium	Closed	3/20/2013	Erik Bedwell
4635	Alejandro Valerio	3/19/2013	21001111 - RAND & DUNE	Other	Medium	Closed	3/19/2013	Alejandro Valerio
4632	Alejandro Valerio	3/19/2013	21001045 - KIRCHOFF & ROLFWING S [Rolling Meadows (C)]	No Video/Video	Medium	Closed	3/19/2013	Alejandro Valerio
4624	Erik Bedwell	3/18/2013	21001017 - CIGERO & B	No Video/Video	Medium	Closed	3/19/2013	Valerie Parkehal, Erik Bedwell, Lisa Green, Kathy Jensen
4603	David Herrera	3/13/2013	21001093 - ROOSEVELT	No Video/Video	Medium	Closed	3/14/2013	Erik Bedwell, David Herrera
4601	Alejandro Valerio	3/13/2013	21001045 - KIRCHOFF & B	No Video/Video	Medium	Closed	3/14/2013	Alejandro Valerio
4577	David Herrera	3/8/2013	21001082 - GRAND & M	No Video/Video	Medium	Closed	3/12/2013	David Herrera
4528	Alejandro Valerio	3/4/2013	21001045 - KIRCHOFF & B	No Video/Video	Medium	Closed	3/4/2013	Alejandro Valerio
4520	David Herrera	3/1/2013	21001135 - LAWRENCE	No Video/Video	Medium	Closed	3/4/2013	David Herrera
4516	Alejandro Valerio	3/1/2013	21001066 - GREEN BAY	No Video/Video	Medium	Closed	3/1/2013	Alejandro Valerio
4679	Kathy Jensen	3/26/2013	21001113 - MANNHEIM	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4678	Kathy Jensen	3/26/2013	21001112 - MANNHEIM	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4662	Lisa Green	3/22/2013	21001051 - OGDEN & Y	Other	Medium	Works Complete		Lisa Green, Alejandro Valerio
4654	Lisa Green	3/22/2013	21001056 - NW HWY & D	Other	Medium	Works Complete		Lisa Green, Alejandro Valerio
4642	Alejandro Valerio	3/20/2013	21001105 - RT-31 & 84E	Other	Medium	Closed	3/20/2013	David Herrera, Alejandro Valerio
4637	Lisa Green	3/19/2013	21001157 - MANNHEIM	Other	Medium	Closed	3/21/2013	Robert Quinton, Lisa Green, Alejandro Valerio
4608	Alejandro Valerio	3/14/2013	21001151 - ALGONQUIN	Other	Medium	Closed	3/14/2013	Alejandro Valerio
4594	Alejandro Valerio	3/12/2013	21001085 - IL83 & GRO	Other	Medium	Closed	3/12/2013	David Herrera
4592	Alejandro Valerio	3/12/2013	21001052 - BUSSE & OAK	Other	Medium	Closed	3/12/2013	Alejandro Valerio
4586	Alejandro Valerio	3/12/2013	21001041 - IL83 & THOR	Other	Medium	Closed	3/12/2013	Alejandro Valerio
4574	Lisa Green	3/7/2013	21001026 - WASHINGTON	Other	Medium	Closed	3/15/2013	Robert Quinton, Erik Bedwell, David Herrera, Jose Chavez, Lisa Green, Alejandro Valerio
4573	Robyn Leighton	3/7/2013	21001041 - IL83 & THOR	Other	Medium	Closed	3/12/2013	Robert Quinton, Robyn Leighton
4569	Lisa Green	3/7/2013	21001151 - ALGONQUIN	Other	High	Closed	3/15/2013	Robert Quinton, Lisa Green, Alejandro Valerio
4527	Alejandro Valerio	3/4/2013	21001151 - ALGONQUIN	Other	Medium	Closed	3/4/2013	Alejandro Valerio
4677	Alejandro Valerio	3/26/2013	21001052 - BUSSE & OAK	Other	Medium	Assigned		Alejandro Valerio
4675	David Herrera	3/26/2013	21001001 - HARRISON	Other	Medium	Closed	3/27/2013	David Herrera
4674	Lisa Green	3/25/2013	21001163 - NORTHWEST	Other	High	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Jose Chavez, Lisa Green, Alejandro Valerio
4673	Kathy Jensen	3/25/2013	21001113 - MANNHEIM	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4672	Kathy Jensen	3/25/2013	21001112 - MANNHEIM	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4671	Kathy Jensen	3/25/2013	21001095 - MANNHEIM	Other	Medium	Assigned		Robert Quinton, Erik Bedwell, David Herrera, Alejandro Valerio
4670	Erik Bedwell	3/25/2013	21001131 - ROOSEVELT	Other	Medium	Closed	3/25/2013	Erik Bedwell
4668	Alejandro Valerio	3/25/2013	21001007 - ILLINOIS & PLUM	Other	Medium	Closed	3/25/2013	Alejandro Valerio
4666	David Herrera	3/25/2013	21001001 - HARRISON & 25TH	Other	Medium	Closed	3/25/2013	David Herrera
4665	David Herrera	3/25/2013	21001102 - 9TH & NORTH	Other	Medium	Closed	3/25/2013	David Herrera

Jose Chavez Total: 168, New/Open: 0, Assigned: 13, Works in Progress: 0, Works Complete: 10, Closed: 145

Figure 4

For expediency sake, the field engineer will first attempt to resolve the problem remotely. If a remote repair does not remedy the situation, the field engineer will be immediately dispatched to site. Once the malfunction has been corrected and confirmed, the field engineering manager will close the Work Order.

The Fault Monitoring Utility is an invaluable component in RedSpeed's maintenance and support program for several reasons. First, it provides a digital log for tracking the status of both open and closed work orders. As a result, RedSpeed will guarantee that no fault will remain unresolved and that recurring issues can be quickly identified and addressed. Second, regularly review of the reports and statistical information produced by this tool to enable the RedSpeed management team to assess both site operational performance and field engineer efficiency levels. If a specific fault appears frequently, steps will be taken to identify why the fault is occurring and what measures must be taken to correct it.

A Real-Time offense simulation system check is performed during the "green phase" of the signaling to verify proper operation and sequencing of image sets. This final check simulates an offense to verify all system parameters including image capture and encryption packaging are functioning properly.



**1.13 Multiple, Simultaneous Violations**

RedSpeed’s industry leading, proprietary multi-video, lane specific camera approach makes it possible to capture multiple, simultaneous violations without sacrificing image clarity as shown below. Since the system is video based, there is no need for a still camera to “re-set” before capturing the second (or simultaneous) violation, a problem experienced by all other photo enforcement providers using still, mechanical shutter based digital cameras.

This all video camera solution, coupled with the re-wind capability only available thru a video-based system, guarantees that numerous violations which were previously unenforceable using still camera solutions are captured.



Sample violations, captured under a variety of lighting and weather conditions, are provided in Appendix A at the end of this Tab Section.

***The violation images presented in Appendix A and the corresponding violation video clip are also provided on the enclosed DVD.***



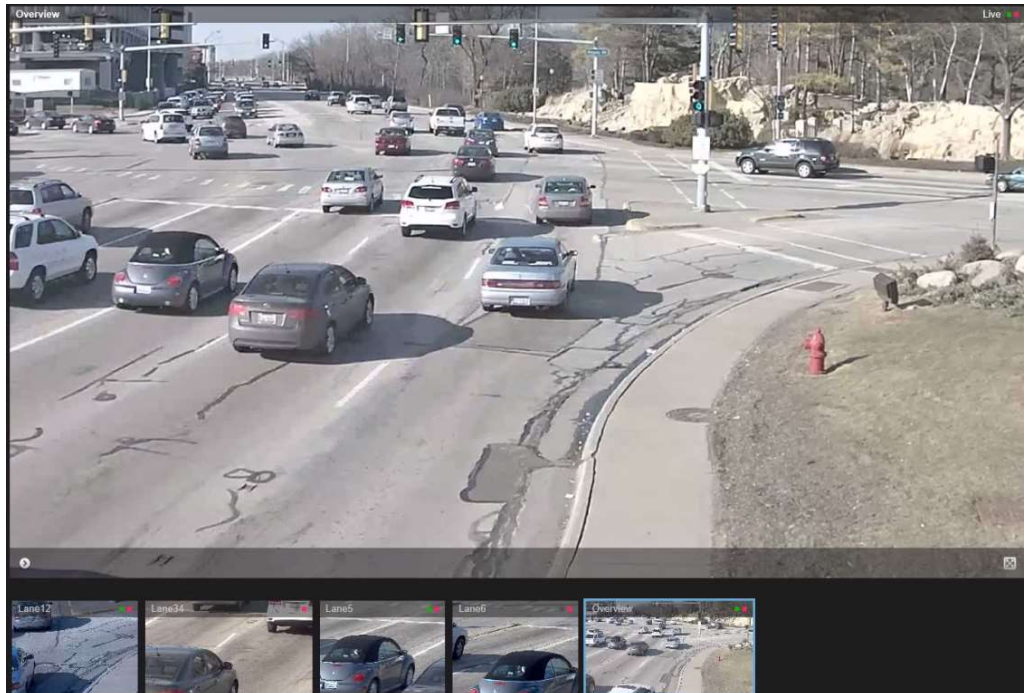
**1.14 Live Intersection Monitoring and Accessibility– SiteOps™**

RedSpeed's proprietary, web-based SiteOps™ software can be utilized by authorized municipal users to access “live” video and archived video data on specific red light enforced intersections without suspending the red-light enforcement function. Having an all-video based system enables Police to simultaneously view and record video evidence from multiple angles, showing both an overall intersection “scene” as well as each individual lane with resolution high enough to read each passing car license plate. This method is significantly more helpful during accident investigations or scene reconstructions as it can provide an unparalleled level of detail. Most competitors rely on a combination of video camera for intersection overview evidence and still, mechanical shutter-based cameras for before/after and zoom-in images.

By logging onto <https://Siteops.RedCheck.org>, authorized users may view:

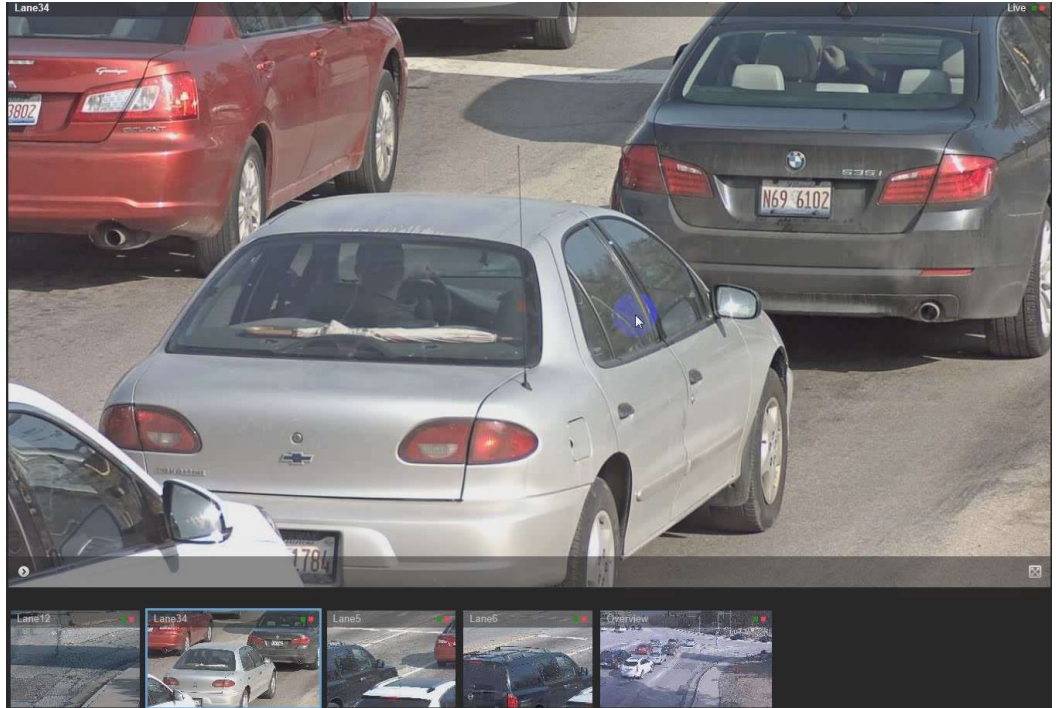
**Live Intersection Overview**

View real time overview of intersection traffic at enforced approaches in 30FPS, full HD 1080P.



### Lane Specific View

High definition, lane specific video cameras record all lanes simultaneously, enabling authorized users to select a specific lane on the overview screen and zoom in to identify license plate numbers. This is a valuable tool during instances such as Amber Alerts.

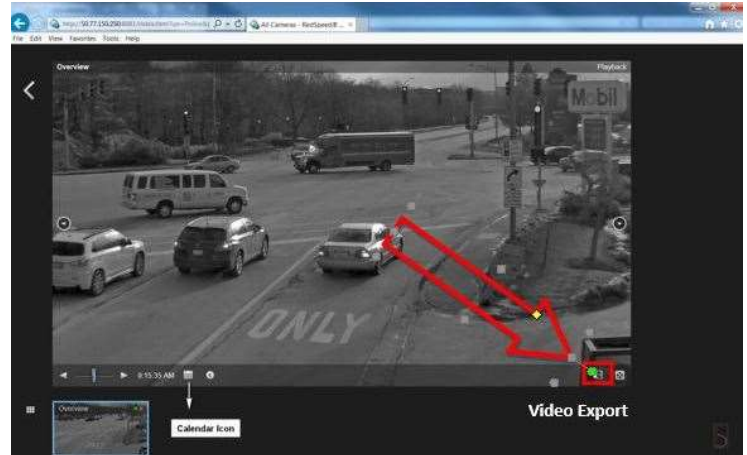
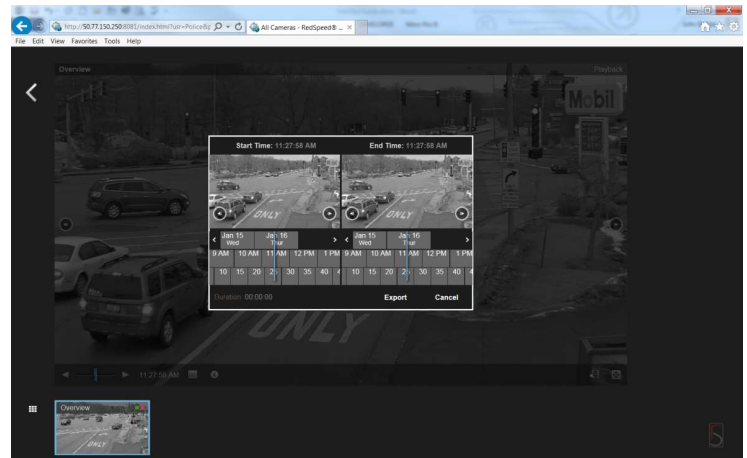


### Download Archived Video Footage

Each camera is equipped with up to 16 terabytes of onsite storage.

Up to 45 days of video data archival is available.

Once the requested data has been exported, selecting the download feature allows the User to save the data directly to their PC.



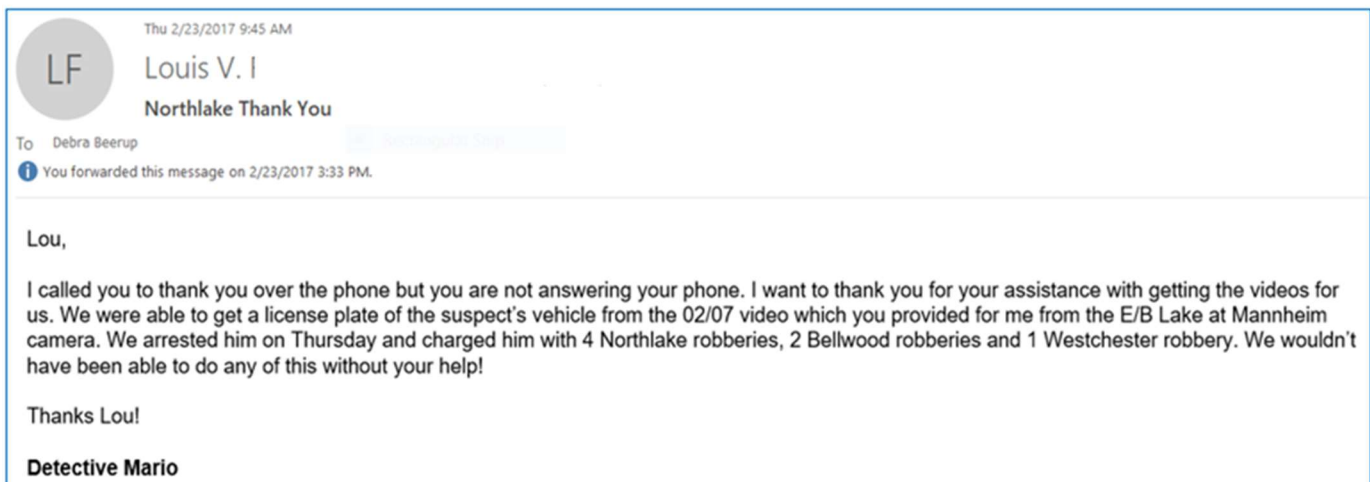
Live intersection viewing / streaming is accessible on all mobile devices including I Pads, Tablets and Smart Phones. This functionality is particularly valuable since it enables officers to immediately access live streaming and archived video footage for accident reconstruction while on scene.



To date SiteOps™ has been integral in solving recent homicides within the Illinois suburbs of Western Springs and Blue Island. It also assisted the Village of Elk Grove, IL in apprehending an individual responsible for multiple home burglaries as well as assisting Addison Police as described in the following letter.

***The enclosed DVD includes a short video demonstration of the SiteOps™ functionality.***

The email below is from a Police Department who does not have red-light enforcement cameras within their community. By reaching out to a neighboring community utilizing RedSpeed's photo enforcement system for assistance, they were able to obtain the necessary information to close a case involving 4 robberies.







Shooting occurred on January 20<sup>th</sup>, 2015

RedSpeed assisted Addison PD in reviewing camera video The Same Day

Information obtained resulted in arrest warrant issued The Very Next Day

### 1.15 System Synchronization

The proposed system is fully networked and continuously time synchronized to a central server to ensure consistency between all systems. Utilizing a LINUX operating system, RICS provides up to 7 lanes of coverage in addition to supporting site analytics such as speed, traffic counts and volume).

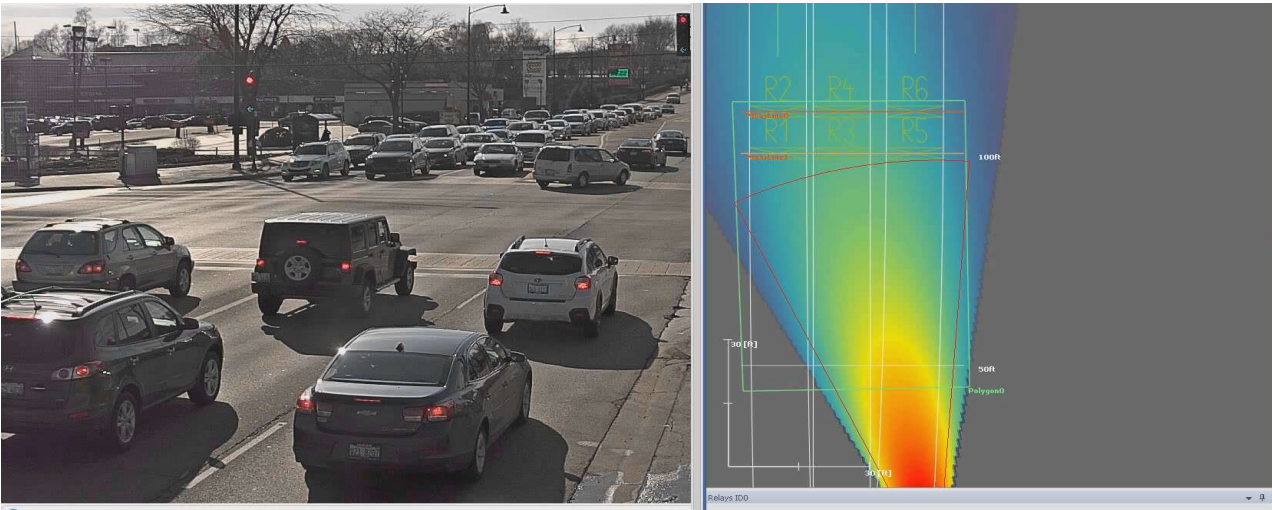
### 1.16 Vehicle Detection Methods

The RedSpeed system is designed to capture straight thru, left, and right turn on red violations across up to 7 lanes. The system can be configured to capture specific lanes of enforcement, where individual red signals can be monitored separately, as well as green arrows for protected permitted turns, to prevent capture of erroneous violations on a valid turn signal.

Violation triggering is one of the most important aspects of any photo enforcement system. With optimized triggering technology, a red-light or speed camera can capture the greatest number of violations while simultaneously reducing the number of false triggers.

RedSpeed has the capacity to utilize either above-ground (Radar) or in-ground (Sensys pucks) detection methods.

## 3D Object Tracking Radar - Above Ground Vehicle Detection



RedSpeed's 3D tracking radar is an above-ground, all weather, dual Red-Light and Speed triggering technology. Utilizing the 3D radar detection method RedSpeed can offer Miami Beach the option to enforce BOTH Red-Light and Speed violations (if legislatively approved for use in Illinois suburbs in the future) from the same camera system without requiring any additional supplemental hardware or modifications, and without suspending the enforcement of either red light or speed violators.

Equally importantly 3D radar offers over **6 times** the violation capture rate as compared to in-ground Sensys pucks used by most competitors, as radar tracking enables the system to monitor the movement of multiple target vehicles more precisely and for a longer period.

Additional benefits of using 3D Radar tracking as a detection method include:

- The trigger locations and sensitivity levels for the radar can be easily reconfigured, either on-site or remotely, and
- There is zero impact on the existing roadway, infrastructure, or landscape.
- Road conditions including pothole repairs and resurfacing, which negatively impact the performance of in-ground detection methods, have no effect on radar detection.

**The combination of RedSpeed's proprietary multiple video camera solution with 3D Object Tracking Radar captures the most violations while simultaneously offering Police officers speed data to assist them with red light violation (particularly right-turn-on-red review decisions).**

**In-Ground Vehicle Detection**

Another method of vehicle detection available to RedSpeed is the use of Sensys Wireless Sensors.

These sensitive magnetometers are equipped with a low-power radio and packed in small, hardened plastic cases.

These sensitive magnetometers are equipped with a low-power radio and packed in small, hardened plastic cases.

The benefits of using Sensys in-ground vehicle detection sensors include:

- Sensors are minimally intrusive, with installation completed in under 10 minutes. No lead-in cabling or long saw cuts are required, and the circular pavement hole produces the least amount of damage and stress to the roadway.
- Sensors are equal in accuracy to inductive loop detectors, offering a **capture rate of 96-99%**,
- Sensors will not interfere with any pre-existing in ground sensors,
- Sophisticated signal processing algorithms enable each sensor to discriminate vehicles in adjacent lanes or vehicles that are traveling close to each other in the same lane.
- Sensors monitor individual lanes without interference from high profile vehicles (commercial trucks) obscuring video detection,
- Sensors are unaffected by false triggers from radar reflections.



Small, hardened Sensys wireless sensors can be installed exactly where detection is needed (flush-mount sensor is shown)

A Sensys wireless sensor is placed in the middle of a traffic lane where it will detect the presence and passage of vehicles. To measure vehicle speeds and length, two wireless sensors are installed in the same lane with the exact distance between them measured and configured in the software upon installation.

For a flush-mount sensor, installation simply requires boring a 4-inch / 10-cm diameter hole approximately 2 ¼ inches / 5.7 cm deep at the desired sensing location, placing the sensor into the hole so that it is properly aligned with the direction of traffic, and sealing the hole with fast-drying epoxy.

Step 1: Core is cut & cleaned



Step 3: Sensor is covered by resin



Step 2: Sensor is put in place in 4" x 2 ¼" hole



Step 4: Completed sensor in the foreground





The state-of-the-art magneto-resistive sensing devices employed in each Sensys wireless sensor measure the x-, y-, and z-axis components of the Earth's magnetic field at a 128 Hz sampling rate. As vehicles come within range, changes in the x, y, or z axes of the measured magnetic field become apparent. When no vehicles are present, each sensor continually measures the background magnetic field to estimate a reference value. Each sensor automatically self-calibrates to the specific installation site and to any long-term variations of the local magnetic field by allowing this reference value to change over time.

Sophisticated signal processing algorithms in each Sensys wireless sensor provide highly accurate vehicle detection as well as the ability to discriminate vehicles in adjacent lanes or vehicles that are traveling close to each other in the same lane.

With the use of in-ground sensors individual lanes are monitored without interference from other lanes, such as high sided (i.e. commercial trucks) vehicles obscuring a video detection or false triggers from radar reflections.

**1.17 / 1.18 / 1.27**

RedSpeed will provide and install all equipment including, but not limited to, poles, cabinets and related operational equipment associated with the Red-Light Camera System.

The RICS system is specifically designed to withstand the harshest of weather conditions (-30 to 110°F), with enclosures being fitted with temperature monitors to control fans / heaters based upon the unit's internal temperature. The camera enclosures are water resistant, dust proof, bullet proof and highly scratch resistant. The systems have been designed for installation in extremely hostile environments where safety and security are a high priority, secured with heavy duty locks and hinges. As the unit is securely mounted on an 18' pole, acts of vandalism are mitigated.

All metalwork is constructed from either aluminum or stainless steel, zinc dipped, and powder painted according to the City's standards to minimize any visual impact. The modular system and hardware, paired with an adaptable and streamlined design, results in an efficient integration into to street infrastructure with a minimal footprint. If installation space is limited at a proposed intersection, RedSpeed's sleek and slim, single pole design is the perfect solution.

A complete system capable of monitoring **up to (7) lanes** can be installed in one of two ways:

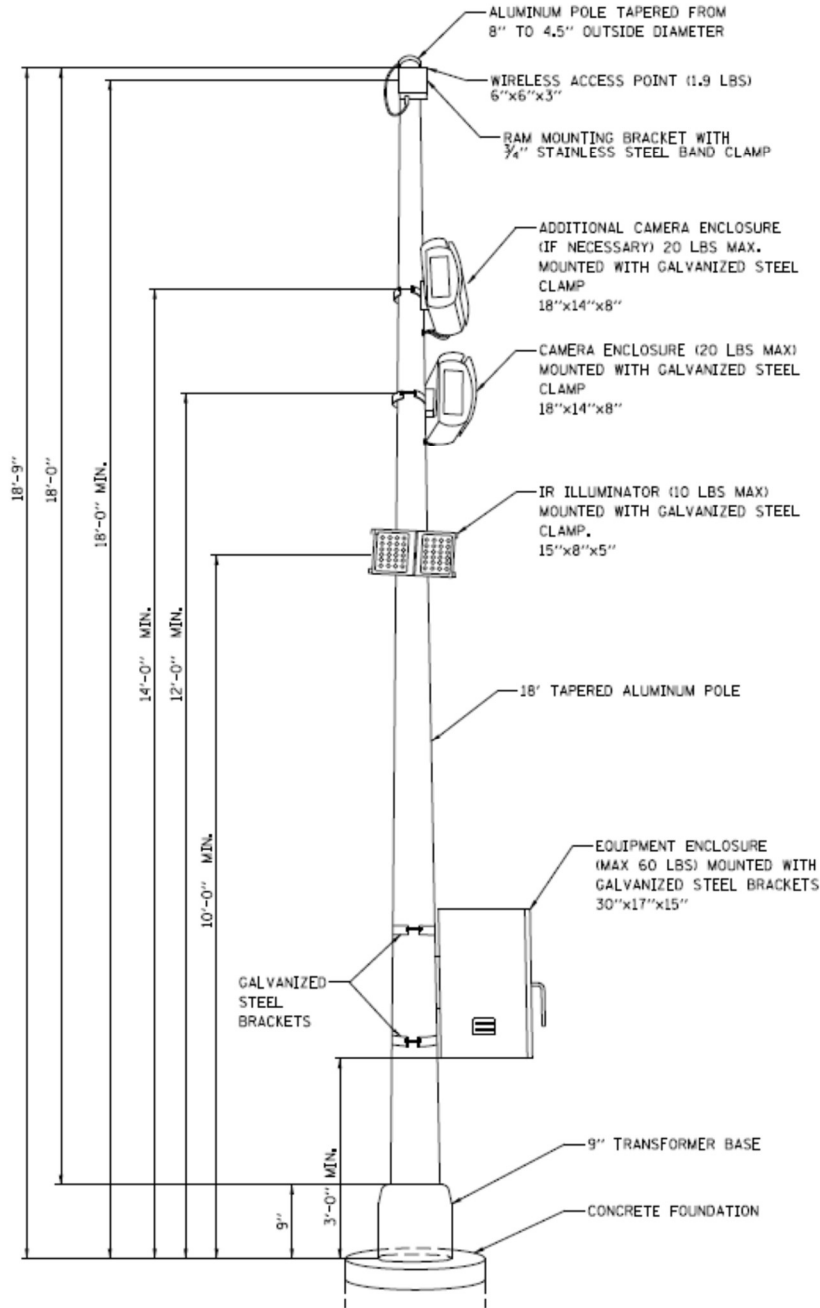
1. Mounted onto an existing infrastructure component such as a street light pole,
2. Utilizing the 18' tapered aluminum break-away pole shown below installed 75-100' from the stop bar.

**As stated previously, RedSpeed is the ONLY enforcement provider capable of monitoring 7 lanes of traffic.**

The images below are current installations in Sarasota, Florida.



**1.19**



**RED LIGHT ENFORCEMENT CAMERA SYSTEM AND POLE**  
NOT TO SCALE

REDSPEED, LLC.  
400 EISENHOWER LANE  
LOMBARD, ILLINOIS 60148

**RED LIGHT ENFORCEMENT CAMERA SYSTEM AND POLE  
DETAIL SHEET**

CALC.	EAJ	PROJECT NO.
DWN.	FB	150539
CHKD.	GMZ	SHEET 1 OF 1
SCALE	N. T. S.	DRAWING NO.
DATE	10/24/2016	

H:\REDSPEED\150539\Traffic\Red Light Enf Camera Detail.dgn



**Electrical Services**

A local power supply will be required for state-owned intersections to complete the installation process. The requirements are listed below:

- The power supply will need to be 120V, single phase, with 15 Amp Switches/Breakers.
- The power rating of the equipment supplied is approximately 200 Watts in normal operation.
- These supplies should be located on the appropriate approach on the side with the traffic, within approximately 50ft of the corner in a suitable housing.

**Infra-Red – No White Flash Solution**

One of the unique features setting the RICS system apart from all competitors is that it is equipped with dual-panel infrared LED illuminator which automatically illuminate an intersection up to 150' in low light conditions and allow the camera to record high-resolution video and images.



IR Flash Unit

**The need for bright and disruptive white flash, (which frequently results in driver complaints), is eliminated. The light source is continuous and undetectable to the naked eye. RedSpeed is the Only Vendor offering this Infra-red, Flash-Free Solution.**

- Night evidence packages consist of color video, color before/after images and a black & white license plate zoom-in shot.

Rectangular Snip



**Vehicle before Stop Line**



**Vehicle After Stop Line**



**License Plate Zoom Shot**



**1.20**

The maintenance and operation of RedSpeed enforcement equipment is paramount, and the staff is dedicated to providing all customers with prompt and professional service which results in swift problem resolutions. RedSpeed provides round the clock, 365 days per year on-call operators for prompt initial response. The modular system design ensures all required maintenance operations can be performed easily and quickly, without impacting traffic flow at the intersection or creating any type of safety hazard.

**1.21 / 1.22**

As stated previously, the industry leading RedSpeed system is comprised of multiple HD network-based video cameras that record both overview and lane-specific video evidence. The system is designed to capture straight thru, left and right turn on red violations over 7 lanes of moving traffic across all lighting and weather conditions. The system can be configured to capture specific lanes of enforcement. Individual red signals can be monitored separately, as well as green arrows for protected permitted turns, to prevent capture of erroneous violations on a valid turn signal.

***Sample Violation Images and the corresponding video clips may be found on the enclosed DVD.***

**1.23 ALPR Functionality**

As detailed previously on pages 33-35, RedSpeed's License Plate Recognition System (LPRS) is an optional add-on module that works in parallel with the red light/speed enforcement system.

**Red light enforcement need not be suspended in order to run the system,**  
as is the case with many other red-light enforcement systems.

**The enclosed DVD includes a short video demonstration of the LPRS functionality.**

**1.24 Project Manager assigned to Miami Beach**

The project management approach is truly a partnership between the City of Miami Beach and RedSpeed. While local officials bring an intimate knowledge of the City's specific issues and traffic enforcement needs, RedSpeed will provide the technical expertise and strategic plan for executing the City's vision in a timely and efficient manner.

Utilizing the tried and true method which has successfully launched over 60 programs in Illinois, plus Sarasota and Coral Gables in Florida, the dedicated Florida based Project Manager will initiate a Business Rules meeting with the various City department which will play an integral part in the program. These departments include the Police department, Public Works and the Courts. As the City's objectives, concerns and ideas are clarified the next phase will be for RedSpeed Engineering specialists to visit the existing enforced locations to determine the most efficient camera equipment transition approach as well as identifying any potential new locations for enforcement. Consideration will be paid to lane and traffic configurations, compliance with FDOT guidelines, easements, location of power supply etc.

While the Engineering team is evaluating the physical elements of the installation, the Program Manager will be working closely with the City and a RedSpeed Client Relations Specialist to finalize all "Back Office" requirements, from preparation of required forms to Violation Citation approval, training materials and public awareness campaign specifics.

Throughout the process the City will be kept apprised of every step being taken.... further solidifying the fact that this traffic safety program is truly a partnership between Miami Beach and RedSpeed.

**1.25 Provision of Installation Plans for Review / Transition and New Installation Timelines**

RedSpeed has many years' experience assisting communities who have chosen to partner with RedSpeed and terminate the relationship with their existing enforcement provider. RedSpeed encourages active communication with our customers from the initial project launch meeting through all follow-up meetings. Upon being selected a Project Manager is immediately assigned to the City, where this individual will remain the primary contact before, during and completing the equipment installation. The City will not be handed off thru countless personnel. The transition process is very straightforward, and the Project Manager would guide the City through the entire process.

***Municipality Prep (Concurrent Activity)***

1. <i>Contract executed</i>	<b>1 week</b>
2. <i>Business rules review</i>	
3. <i>City of Miami Beach provide FDOT permit support letter for all cameras</i>	
4. <i>Formal termination letter sent to existing vendor</i>	
5. <i>Agree with current vendor to take over existing in-ground infrastructure (i.e. bases, power connections, traffic light connections)</i>	

***FDOT/Miami-Dade County Permits***

1. <i>Site meeting with civil engineering contractor</i>	<b>4 Weeks – 6 Weeks</b>
2. <i>Commission engineering plans</i>	
3. <i>Power connection order (New locations only)</i>	
4. <i>Order Comcast high-speed landline (use cellular modems to launch or where landlines not available)</i>	
5. <i>Plans approval/Construction permit issued</i>	

***Field Technology***

1. <i>Contractor installation and refit phase of existing camera foundations and in-ground power and traffic light connections</i>	<b>4 Weeks – 6 Weeks</b>
2. <i>Ducting, foundations &amp; traffic signal controller inter-connect for new locations</i>	
3. <i>Communication construction and pedestal installation (Independent resource – Timeline not affected by delays)</i>	
4. <i>System installation &amp; calibration</i>	
5. <i>FDOT Turn-On Inspection</i>	

***Back Office Setup (concurrently after municipal prep)***

1. <i>Create user accounts &amp; roles</i>	<b>1 Week</b>
2. <i>Set up notices and letters</i>	
3. <i>Set up toll-free number and updated phone system</i>	
4. <i>Update Phone System</i>	



**City Responsibilities**

As stated, once the City has approved the partnership with RedSpeed, a City Project Manager who will be RedSpeed's primary point of contact should be appointed. This individual will be responsible for advising RedSpeed's Project Manager of the City personnel who also will be assigned to the program, and ensure they are available for the Business Rules Meeting, status update meetings and applicable training sessions. It is expected RedSpeed also will have reasonable access to the City's facilities for testing. The City should budget the following time allocations for training of City personnel:

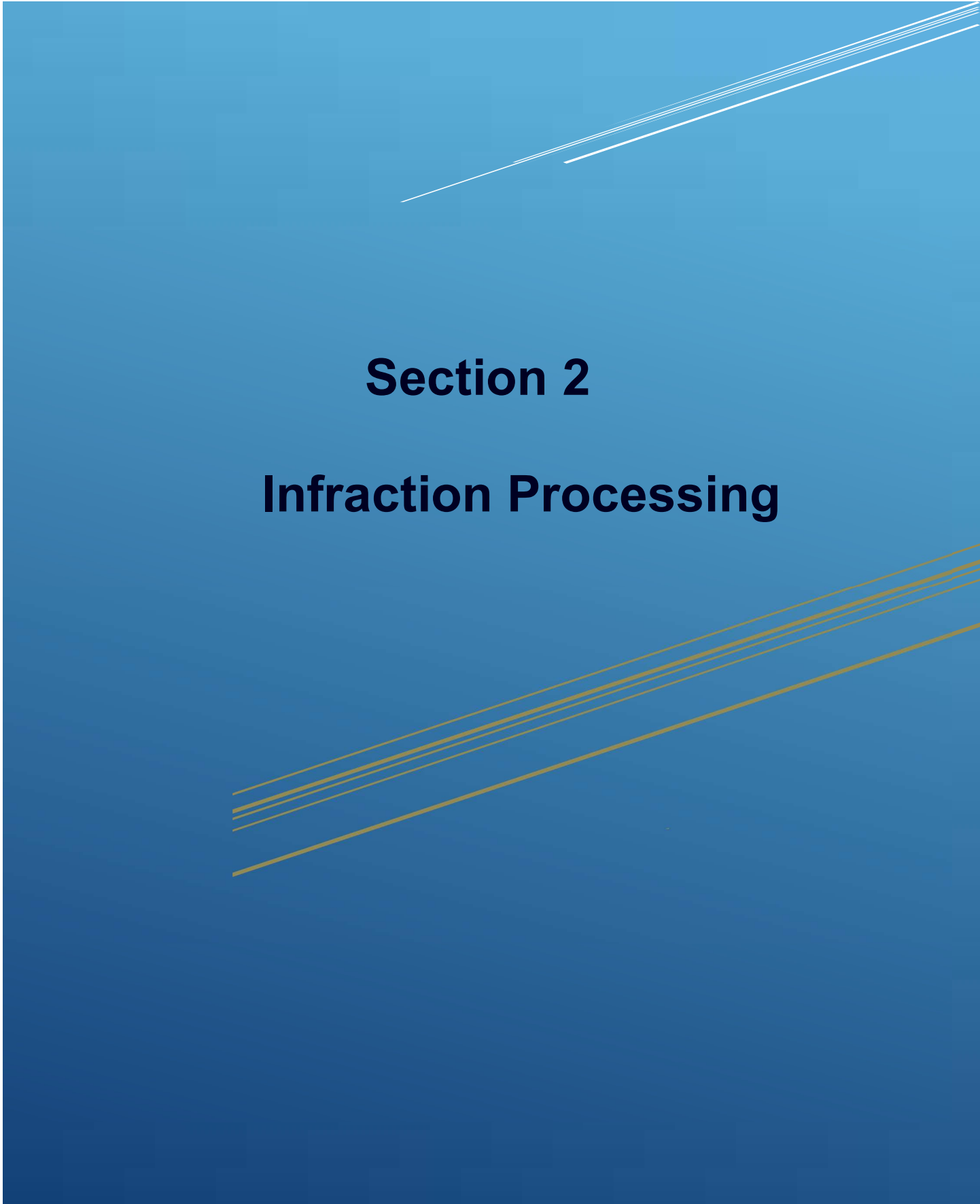
<b>Group</b>	<b>Number of City Staff</b>	<b>Hours</b> Projected hours are In-Person with a RedSpeed representative. Training will be provided at no charge throughout the duration of the contract to ensure any new personnel assigned to the program are fully trained. Upon completion of the training attendees will be issued a Certificate of Completion and Proficiency.
Finance Department	3	<b>2-3 hrs.</b>
Court administration	2	<b>2-3 hrs.</b>
Police administration	3	<b>2-3 hrs.</b>
Police infraction review	8	<b>2-3 hrs.</b>
Total	15	These times are approximate. Training will continue until all personnel are fully confident in utilizing the system.

**1.26 Provision of Two Laptops**

RedSpeed agrees to provide the City's Red-Light Camera team with (2) two laptops at no cost to the City. Any necessary repairs / updates during the contract period will be at RedSpeed's expense, including the provision of a loner laptop(s) if necessary.

**1.27 Provision of Mounting Poles and Equipment**

As detailed on pages 58-59 (Section 1.17 / 1.18), RedSpeed will provide and install all equipment including, but not limited to, poles, cabinets and related operational equipment associated with the Red-Light Camera System.



# **Section 2**

## **Infraction Processing**

## **2.2 / 2.3 Internet Based Violation Processing Software**

**RedCheck™** - RedSpeed's proprietary, Violation Management Software, is an entirely web-based, complete Document Management System. RedCheck™ provides authorized municipal users with the freedom and flexibility to perform 100% of the violation reviewing functions 24/7 from any location where Internet access is available. In addition, authorized municipal users may view notice documents, produce statistical reports (depending upon the roles assigned to their log-in credentials), and obtain a detailed view into all information specifics.

RedSpeed has worked closely with the Program Managers and Reviewing Officers in both Coral Gables and Sarasota to design Florida specific violation reviewing software which:

- Meets the unique needs and requirements of Florida municipalities and
- Mirrors the system currently used by municipalities supported by an alternate photo enforcement provider, allowing for a simple, straightforward, and familiar transition when RedSpeed is selected as a replacement enforcement partner.

## **2.4 BENEFITS OF THE REDCHECK™ SYSTEM**

- **RedSpeed's Violation Processing and Document Management System is completely Internet based, so there is no need for additional software to be installed on the City's machines** and no risk of compatibility issues with Miami Beach's existing data infrastructure.
- **The RedCheck™ software system is easily customized to the needs of specific municipal agents, and technical support is available 24 hours a day / 365 day a year.**
- RedCheck™ reviewing software is compatible with the following browsers: Internet Explorer / Edge, Google (Chrome and Safari), Fire Fox.
- PC (Minimum System Requirements): Windows 7 SP1 & Higher, Mac OS 10.10 and higher.
- Cloud based and secure, RedCheck™ allows remote, authorized users 24/7 access to a violation's lifecycle from any web-enabled computer thru a secure Internet portal. For optimum utilization, it is recommended that a Windows based browser be employed.
- Utilizing simple "point and click" navigation, authorized users can swiftly and easily review violator information, view static and video images, approve, and reject violations in less than 12 seconds.-
- Accuracy logic has been programmed into the interface, indicating vacant information fields, or incorrectly input data, maintaining the validity and integrity of the RedCheck™ Database System.
- Software updates can easily be applied by RedSpeed without disrupting municipal user workflow.
- Since the industry leading RedSpeed RLC system is video based, it does not utilize film. All captured violation data is immediately transmitted back to the RedSpeed data center thru a secured VPN connection and imported directly into RedCheck™. As a result, no long-term data storage devices are required at the camera site.
- **All** processing of violations is done by vetted RedSpeed employees at the RedSpeed corporate headquarters in Lombard, Illinois. No data is sent out of the country for processing.

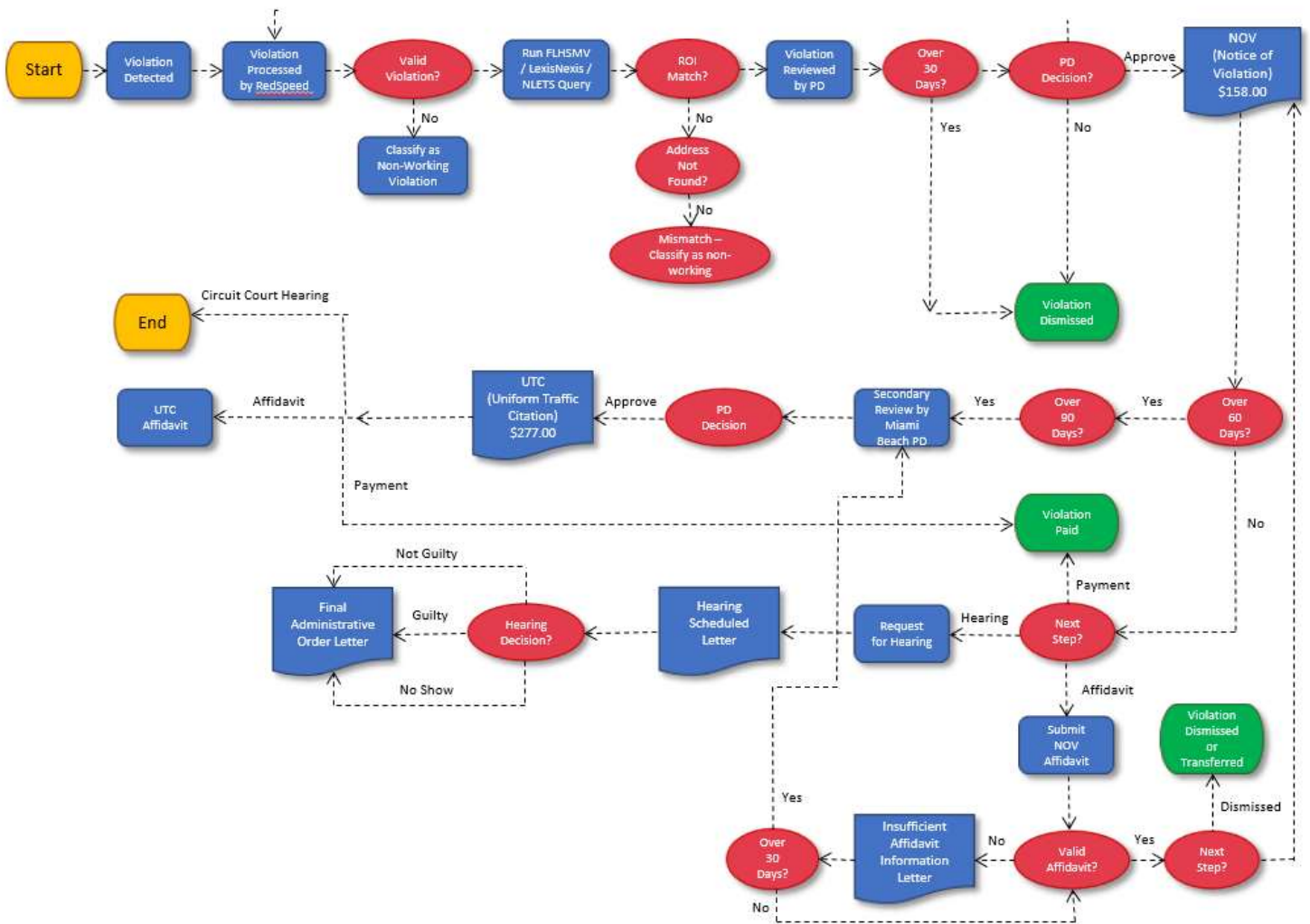


- *It is understood that all still and video images recorded by RedSpeed systems at designated sites within Miami Beach are the property of the City.*
- *In the event the relationship between Miami Beach and RedSpeed is severed, all data captured prior to that event will be processed in full and made available to the municipality.*

**RedSpeed Violation Processing Workflow**

Detailed below is the Violation Processing Workflow RedSpeed is utilizing specifically for Florida clients to ensure strict compliance with the Miami-Dade County Circuit Court Ruling Case # A369OZE State of Florida v. Louise Torres Jimenez.

**VIOLATION PROCESSING FLOW**



## RedCheck™ Login Screen

Authorized municipal users access RedCheck™ by entering a unique and secure login and password on the Log In screen shown below. Individual user accounts authenticate the identity of a user and are used to grant or deny users access to resources through the assignment of specific “User Roles”. User viewing privileges and functionality are based on a pre-established set of entitlements which would be assigned according to the City’s direction. All users are not required to have the same set of privileges, with roles being assigned according to the user’s position and function.

The assignment of specific access to individuals ensures accurate auditing of the users within the RedCheck environment. Any modifications, calls taken, or notes can be audited and traced. All information, including the violation numbers, dates and times of incidents, license plate numbers, registered owners’ information, and the status of violations are viewable and easily retrievable all from one screen to authorized municipal users.

Municipalities requiring an additional level of security above our username/password and digital certificate authentication strategy, can use Red Speed’s optional Two Factor Authentication strategy. This mechanism uses a combination of something a user knows (username/password) and something a user has (one-time password). Users can plug in a USB key fob and generate their own one-time password, this in combination with their username, will allow access to the RedCheck™ Software application for police reviewing.

Once the Log-in process has been completed, a list of violations awaiting Operator Review will display. This list is comprised of violation data which was encrypted at site when captured and decrypted upon arrival at the RedSpeed Lombard, IL headquarters as it is uploaded into RedCheck™.

### Step 1 – RedSpeed Initial Violation Verification

1. Specially trained RedSpeed Violation Review personnel review the still images of a violation for possible discrepancies and to evaluate the clarity of the captured images.

RedSpeed’s multiple video camera system is designed to capture only the rear of vehicles travelling thru an enforced intersection. **At no time will any digital images captured by the camera include facial images which could identify the driver, passenger, or contents of the vehicle.**

The RedCheck™ System allows both RedSpeed and Police reviewers to “play and view” not only a full motion 13 second video of each violation, but also four unique still scenes:

- (1) An image of the vehicle and the overall scene with front wheels behind the infraction line,
- (2) An image of the same vehicle and scene captured with rear wheels beyond the infraction line,
- (3) A full shot of the back of the vehicle identifying make and model, including license plate image, and
- (4) A close-up image of the license plate.

2. RedSpeed Violation Reviewers then view the full motion video for verification a violation has taken place and meets the criterion set forth by the City. RedSpeed will work closely with the designated Miami Beach Program Manager to establish these reviewing guidelines as it will facilitate consistency between the RedSpeed Violation Review Team and the City's Police Reviewers.

The RedCheck™ Client System provides the ability for the acceptance or rejection of infraction sets and provides multiple record reject reasons to pinpoint the specific cause of a rejection. Should the City desire, vehicles considered “exempt” (such as police and fire vehicles, ambulances and those participating in funeral processions) can be sorted out during this initial review phase and placed in the Non-Working Violation folder for secondary Police review.

3. The RedSpeed Reviewer crops the zoomed-in license plate image from an image specifically captured for this purpose. This optimized license plate image is used to establish the vehicle's ID and is also printed directly to the notice.



**STEP 2 – Secondary RedSpeed Supervisor Review / Registered Owner Identification**

Following this initial review, a supervisor reviews and verifies the images and video of the violation for a 2<sup>nd</sup> time before submitting the license plate number and type of plate (passenger, temporary, or other) for verification thru FLHSMV or a third-party data provider such as NLETS or LexisNexis Collection Services.

Once the registered owner information has been received, the violation is reviewed a 3<sup>rd</sup> and final time by a RedSpeed Violation Review Supervisor before it becomes available to the City's Police Reviewers through the Web Based RedCheck™ Client System.

Once the user name and password have been authenticated, Police and Municipal users will automatically be presented with a list of violations awaiting Police Approval on the Review Violation Screen below.



Name	Location	Date/Time	Lane	TR	Speed	Status
	Tuttle Ave & Bahia Vista St S/B	5/29/2018 11:39 AM	2	0.8	54.11	Police Review
	Washington Blvd & Frutville Rd N/B	5/29/2018 12:06 PM	1	0.6	18.83	Police Review
	Washington Blvd & Frutville Rd N/B	5/29/2018 1:09 PM	3	0.3	31.74	Police Review
	Tuttle Ave & Bahia Vista St S/B	5/29/2018 1:28 PM	1	0.6	12.82	Police Review
	Tuttle Ave. & Bahia Vista St N/B	5/29/2018 1:53 PM	3	0.4	21.83	Police Review
	Tuttle Ave & Bahia Vista St S/B	5/29/2018 2:47 PM	1	1.2	16.33	Police Review
	Washington Blvd & Frutville Rd N/B	5/29/2018 3:45 PM	2	1.4	25.08	Police Review
	Tuttle Ave & Bahia Vista St S/B	5/29/2018 4:47 PM	1	0.8	12.22	Police Review
	Washington Blvd & Frutville Rd N/B	5/29/2018 5:01 PM	3	0.3	27.38	Police Review
	Washington Blvd & Frutville Rd N/B	5/29/2018 5:31 PM	1	0.6	14.01	Police Review
	Tuttle Ave. & Bahia Vista St N/B	5/29/2018 7:49 PM	1	0.6	15.41	Police Review
	Tuttle Ave & Bahia Vista St S/B	5/29/2018 10:03 PM	2	0.4	45.21	Police Review
	Washington Blvd & Frutville Rd N/D	5/30/2018 12:52 AM	3	9.8	42.64	Police Review
	Washington Blvd & Frutville Rd N/B	5/30/2018 9:22 AM	2	1.0	23.42	Police Review
	Washington Blvd & Frutville Rd N/D	5/30/2018 9:57 AM	2	0.3	36.06	Police Review
	Tuttle Ave & Bahia Vista St S/B	5/30/2018 10:31 AM	3	0.8	24.38	Police Review
	Bahia Vista St & S Tuttle Ave E/B	5/30/2018 11:20 AM	3	0.6	24.97	Police Review
	Washington Blvd & Frutville Rd N/D	5/30/2018 11:47 AM	2	0.2	19.21	Police Review
	Washington Blvd & Frutville Rd N/D	5/30/2018 11:56 AM	1	0.7	17.58	Police Review
	Bahia Vista St & S Tuttle Ave E/B	5/30/2018 12:22 PM	1	0.5	18.90	Police Review
	Washington Blvd & Frutville Rd N/D	5/30/2018 1:05 PM	1	0.4	13.11	Police Review
	Washington Blvd & Frutville Rd N/D	5/30/2018 1:32 PM	2	0.8	25.32	Police Review
	Tuttle Ave. & Bahia Vista St N/B	5/31/2018 6:21 AM	3	0.2	33.44	Police Review
	Washington Blvd & Frutville Rd N/D	5/31/2018 8:02 AM	3	0.4	26.77	Police Review

**When the first violation is selected to review, the video will begin playing automatically, eliminating the need to pre-download videos.**

The operator may switch between pictures by moving the mouse to the desired image and clicking once. Clicking on a still image or the zoom plate shot will display the selected image enlarged in the center Viewing box.


Registered Owner Names are displayed both in the violations listing as well as directly below the Viewing box.

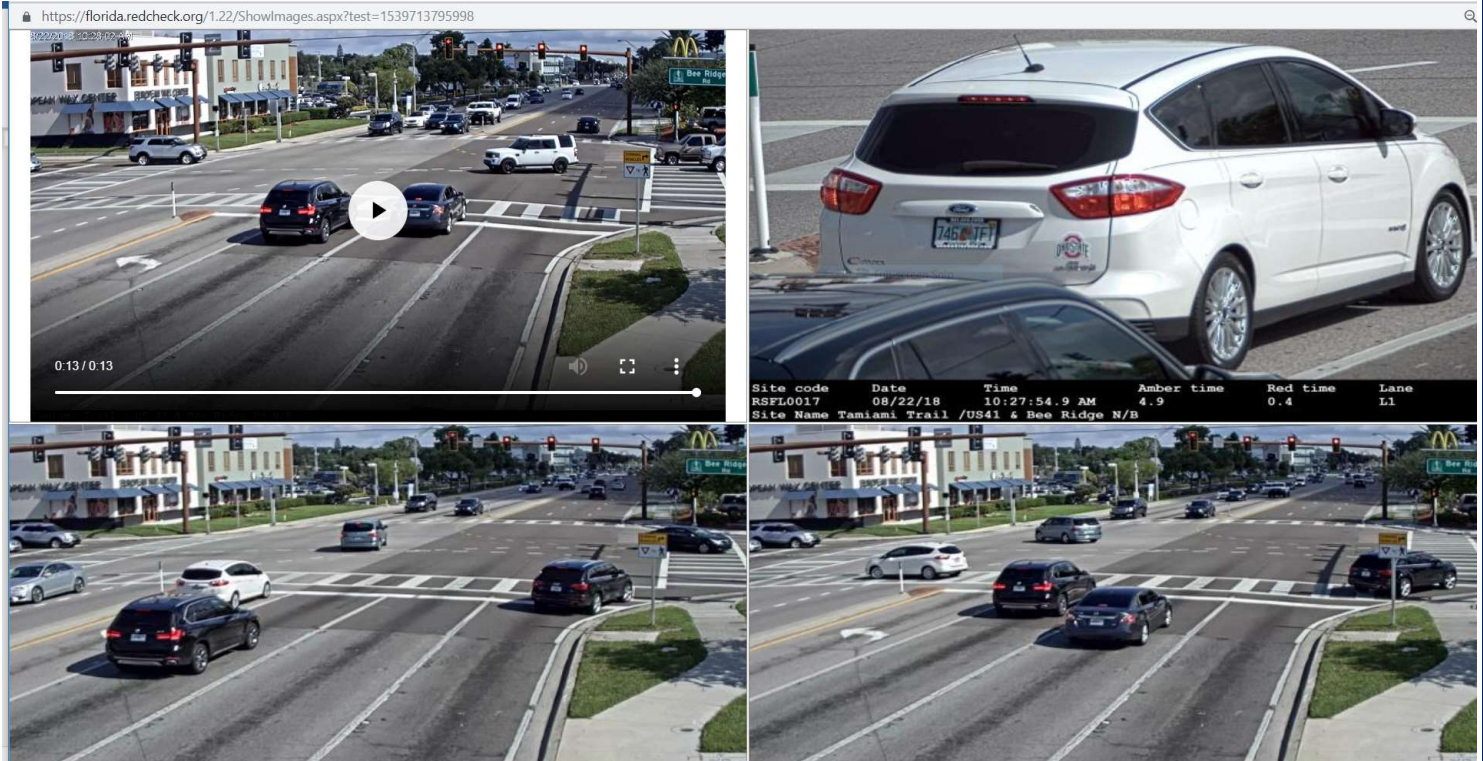
Information requiring verification – such as License Plate Number and Vehicle Make - is displayed directly below the Video box. The license plate information is displayed prominently next to the Approve / Reject icons to facilitate verification against the zoomed image of the license plate.

The Name, Location and Lane columns can be sorted as you by clicking within the specific column heading box.

Selecting Approve or Reject will automatically forward to the next violation and the video clip will begin playing.

The total number of violations awaiting review is displayed at the bottom of the display and will provide a running tally as violations are approved or rejected. Through the web-based RedCheck™ System, an Officer can review all the static images, the video clip and violator information and render a decision to approve or reject the violation in less than 12 seconds.

Selecting the “Images” icon  directly below the image box results in all original, still images and video footage enlarged and displayed in a single screen format as shown below.



The City of Miami Beach will **always** have the final decision on whether a citation is issued. Approval or Rejection of violations is carried out by selecting either the Approve or Reject box after the still images and video clip have been reviewed.

When rejecting violations, users are prompted to enter a reject reason from a pre-defined, drop-down list as shown below. "Batch" approvals or rejections are not allowed by the RedCheck™ software.

After viewing the violation video clip and confirming the vehicle information corresponds with the still images, the Officer may elect to Approve or Reject the violation by clicking the appropriate icon.



Selecting **APPROVE** will open the following dialogue box asking the operator to confirm the approval.





Selecting **REJECT** will result in a dialogue box appearing which requires the Officer to select the rejection reason from a list of available codes.

Reject violation

Reason:\*

Notes:

- VIDEO MISMATCH
- VIDEO MISSING
- VIDEO SKIPPING
- ADMINISTRATIVE DECISION
- CONFLICT OF INTEREST

OK

To ensure no violations are approved outside of the allowed reviewing window, violations approaching the cut-off time are color coded for easy identification as pictured below.

RedSpeed®USA Actions Reports
Welcome, Todd Tschetter! [Log Out]

Search criteria

Violation #:

Owner:

Address:

Plate #:  State:

From:  To:

Violation Status

NOV Affidavit [0]

Supervisor Review [37]

Uniform Traffic Citation [0]

Final Administrative Order [18]

Administrative Decision [15]

Location

All Locations

RSFL0006 - Tuttle Ave & Bahia Vista St S/B

RSFL0007 - Bahia Vista St & S Tuttle Ave E/B

RSFL0008 - Tuttle Ave & Bahia Vista St N/B

RSFL0009 - Beneva Rd & Fruitville Rd S/B

RSFL0010 - Tuttle Ave & Fruitville Rd S/B

Dismissal

All Dismissal

CROSS LANE TRIGGER


EMT/POLICE/FIRE/GOV/DIPLOMAT


FLAGMAN / WAVETHRU

FUNERAL PROCESSION

Name	Location	Date/Time	Lane	TIA	TIR	Speed	Status
	Bahia Vista St & S Tuttle Ave E/B	9/30/2018 2:32 PM	2	4.0	0.3	73.97	Supervisor Review
	Tuttle Ave & Fruitville Rd S/B	10/2/2018 9:55 AM	1	4.5	0.8	23.69	Supervisor Review
	Tamiami Trail & Bee Ridge Rd S/B	10/2/2018 2:16 PM	1	4.9	0.1	14.56	Supervisor Review
	Fruitville & N Lockwood Ridge E/B	10/2/2018 4:35 PM	1	4.9	0.1	30.27	Supervisor Review
	Tuttle Ave & Fruitville Rd S/B	10/3/2018 6:38 AM	1	4.5	0.1	17.42	Supervisor Review
	Tamiami Trail & Bahia Vista St N/B	10/4/2018 12:46 AM	2	4.5	13.2	18.26	Supervisor Review
	Tamiami Trail & Bahia Vista St N/B	10/4/2018 5:39 AM	3	4.5	0.1	33.78	Supervisor Review
	Tamiami Trail & Bee Ridge Rd S/B	10/4/2018 12:14 PM	1	4.9	0.2	12.48	Supervisor Review
	Bee Ridge Rd & Tamiami Trail W/B	10/5/2018 11:13 AM	1	4.9	0.1	11.72	Supervisor Review
	Tamiami Trail & Bee Ridge Rd S/B	10/5/2018 4:56 PM	1	4.9	0.3	48.47	Supervisor Review
	Fruitville & N Lockwood Ridge E/B	10/5/2018 5:55 PM	1	4.9	0.1	12.78	Supervisor Review
	Bahia Vista St & S Tuttle Ave E/B	10/8/2018 2:34 PM	3	4.0	0.2	37.78	Supervisor Review
	Bahia Vista St & S Tuttle Ave E/B	10/9/2018 10:38 AM	1	4.0	0.3	12.68	Supervisor Review
	Bee Ridge Rd & Tamiami Trail W/B	10/10/2018 1:47 PM	1	4.9	0.2	18.54	Supervisor Review
	Fruitville Rd & N Tuttle Ave W/B	10/10/2018 3:08 PM	1	4.9	0.2	14.70	Supervisor Review
	Tuttle Ave & Fruitville Rd S/B	10/12/2018 7:49 AM	1	4.5	2.4	15.14	Supervisor Review
	Washington Blvd & Fruitville Rd N/B	10/12/2018 9:18 AM	1	4.1	0.1	18.30	Supervisor Review
	Bee Ridge Rd & Tamiami Trail W/B	10/12/2018 11:00 PM	3	4.9	135	15.55	Supervisor Review
	Tamiami Trail & Bee Ridge Rd N/B	10/13/2018 1:13 PM	1	4.9	0.5	14.12	Supervisor Review

Click Here To Play Videos





Bahia Vista St & S Tuttle Ave E/B  
 Site code: 09/30/18 Time: 02:32:20.295 PM Amber Time: 4.0 Red Time: 0.8 Lane: L3  
 Site Name: Bahia Vista St & S Tuttle Ave E/B

Video playback speed:  Normal  One half  One quarter  One eighth

Violation/Vehicle

Violation #: 2010200003488778 Type: RedLight

Plate number: 2179QE FL Expires: 04/30/2019

Make: FORD Model:

Color: WHI Year: 2005

VIN #: 1FMZU6K35UA54903 Type: AU

Status: Supervisor Review (OTHER)

Registered Owner

Owner: FARKAS GABOR FUSZFAS

Date of Birth: 04/30/1971

Address: 2256 DATURA ST

C/S/Zip: SARASOTA, FL 34239-3913

License #: F21224771500

Origin: FLHSMV



**Warning Notices**

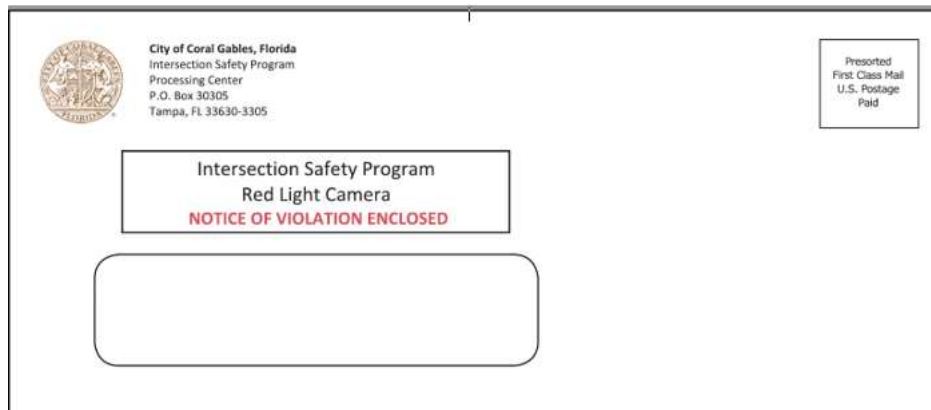
Per the City's request, Warning letters will be printed and mailed for violations captured at newly installed intersections during the first 90 days of the program. After the initial warning period, through the violation Status feature of the system, infraction notices are printed automatically using the RedCheck date-based violation print schedule.

**Violation Notification****Notice Printing and Mailing**

As part of the turn-key, back-office processing solution proposed by RedSpeed, all supplies necessary to produce and distribute violation notices on behalf of Miami Beach shall be provided by RedSpeed. Printing and mailing of full color Notices of Violation via first class mail, and UTCs via Certified Mail with tracking number, will be done by RedSpeed employees at the corporate headquarters in Lombard, Illinois. Notices approved by the City are printed and mailed the following business day.

The Notice of Violation generated by RedSpeed on behalf of Miami Beach will include one set of images showing the cited vehicle both before and after the designated stop line as well as a zoom shot of the license plate. In addition, notice recipients will be provided with detailed information regarding:

- Payment options with a remittance envelope is included with each Notice of Violation. The remittance envelope reflects a Tampa, Florida lockbox address, eliminating public concern over payments being sent out-of-state.



- On-line Violation Viewing and Payment instructions for [www.redlightviolations.com](http://www.redlightviolations.com) and
- Toll free customer service hotlines for bi-lingual "live" operator assistance in both English and Spanish.

This service includes the printing and mailing of any secondary notices of an unpaid infraction the City may desire to send to the violator, as well as Notices of Hearings and UTCs sent via Certified Mail with tracking number (no return receipt).

The number of printed citations prepared for mailing is verified multiple times prior to being delivered by a RedSpeed employee to the post office the same day as printed.

This verification includes:

- ✓ Confirming number of violations selected and sent to the print queue,
- ✓ Confirming the number of citation notices passed thru the envelope inserter matches number sent to the print queue,
- ✓ Final manual count of the prepared citation envelopes.

Any citations returned bearing a yellow forwarding address label affixed to them by the Postal Service are updated and reissued within 48 business hours of receipt. As demonstrated on the following pages, RedSpeed has received approval from the Florida Highway Safety and Motor Vehicles for the Notice of Violation generated by RedCheck™ as well as the Uniform Traffic Citation.

Personal Information has been redacted for privacy



**City of Sarasota  
Intersection Safety Program  
P.O. Box 30305  
Tampa, FL 33630-3305**

**CITY OF SARASOTA  
NOTICE OF VIOLATION**



Notice Number: **2010200002879991**  
PIN Number: **4362**

View your video and pay with your Visa or MasterCard at <https://secure.redlightviolations.com>

**PALMETTO, FL, 34221-3376**

Amount Due: **\$158.00**  
Due Date: **11/16/2018**

ON/ (Date) <b>08/22/2018</b>	AT TIME <b>1:16 PM</b>	AT LOCATION <b>Tamiami Trail / US 41 &amp; Bee Ridge Rd S/B</b>	COUNTY <b>SARASOTA</b>
NAME .....			
STREET ADDRESS <b>2825 22ND ST E</b>			
CITY <b>PALMETTO</b>		STATE <b>FL</b>	ZIP CODE <b>34221-3376</b>
DID UNLAWFULLY <input checked="" type="checkbox"/> OPERATE/DRIVE <input type="checkbox"/> PARK			
V E H I C L E	YEAR <b>2016</b>	MAKE <b>TOYT</b>	MODEL
	L I C E	NUMBER	STATE <b>FL</b>
			REGISTRATION NUMBER
Did then and there commit the following offense: <b>FAILURE TO COMPLY WITH A STEADY RED SIGNAL</b> The recorded images relating to the vehicle stated above are evidence of this violation.			
IN VIOLATION OF: <b>Florida Statutes Sections 316.0083, 316.074(1) and 316.075(1)(c)1</b>			
POLICE DEPARTMENT <b>Ofc. T. Tschetter ID# 1034</b>			
The traffic infraction enforcement officer or law enforcement officer named above has reviewed the recorded images evidencing the red light signal violation, has identified the license tag number of the violating vehicle and has found reasonable and probable grounds that an offense has been committed.			ISSUE DATE <b>09/17/2018</b>
<b>CIVIL PENALTY FINE OF: \$158.00</b>			



IF YOU HAVE QUESTIONS ABOUT THIS NOTICE, PLEASE GO TO <https://secure.redlightviolations.com>



Pay with your Visa or MasterCard at <https://secure.redlightviolations.com> or mail your check

in enclosed envelope to the address below:



NAME: .....	DUE: <b>11/16/2018</b>
NOTICE #: <b>2010200002879991</b>	VERSION: <b>1</b> ISSUED: <b>09/17/2018</b>
PLATE: .....	STATE: <b>FL</b> TYPE: .....

No points will be assessed for this Notice of Violation nor will it affect vehicle insurance rates.

- Si necesita ayuda en Español, favor llame al 1.866.265.8999
- PLEASE RESPOND WITH PAYMENT, REQUEST A HEARING, OR SUBMIT AN AFFIDAVIT POSTMARKED ON OR BEFORE THE DUE DATE TO AVOID ISSUANCE OF A UNIFORM TRAFFIC CITATION ("UTC"). SEE INSTRUCTIONS ON REVERSE SIDE.
- Pay with your Visa or MasterCard at <https://secure.redlightviolations.com> or mail your check or money order payable to the address on the enclosed envelope.
- Make your check or money order payable to the City of Sarasota.
- DO NOT MAIL CASH
- Write the Notice # located above on the front of your payment.
- Insert this tear-off coupon in the enclosed envelope.

**City of Sarasota  
Intersection Safety Program  
P.O. Box 30305  
Tampa, FL 33630-3305**

**AMOUNT DUE: \$158.00**

13710000020171201020000287999100000158004



Your vehicle was observed by a traffic infraction detector failing to comply with a steady red light signal, in violation of Florida Statutes 316.0083, 316.074(1) and 316.075(1)(c)1, at the intersection, date and time stated on the front page of this Notice of Violation ("Notice"). This is a non-criminal infraction of state law. No points will be assessed and this infraction may not be used to set motor vehicle insurance rates.

This Notice has been issued by the City of Sarasota.

**You have the following three options:**

- a) Pay this violation in the amount of \$158.00 on or before the due date specified on the front of this Notice; or
- b) Submit an affidavit by following the instructions below; or
- c) Request a hearing by signing and mailing the form below. You will be notified by letter of the time, location and date of the hearing. If you request a hearing and the Local Hearing Officer concludes that no infraction has been committed, this Notice will be dismissed, and no costs or penalties shall be imposed. If the Local Hearing Officer concludes that an infraction has been committed, the Local Hearing Officer will uphold the infraction, and you will be responsible for payment of a \$158.00 fine as well as additional administrative fees and costs not to exceed \$250.00 as imposed by the Local Hearing Officer.

**SUBMISSION OF AFFIDAVIT:** You may download an affidavit at <https://secure.redlightviolations.com>. As the registered owner of the vehicle, you are deemed responsible for the violation and the payment of a \$158.00 penalty unless, in compliance with Florida Statute 316.0083(1)(d)1.a-d, you establish by a sworn affidavit that a statutory exemption applies. The exemptions are that the motor vehicle: (a) passed through the intersection in order to yield the right-of-way to an emergency vehicle or as part of a funeral procession; (b) passed through the intersection at the direction of a law enforcement officer; (c) was, at the time of violation, in the care, custody, or control of another person; or (d) a Uniform Traffic Citation ("UTC") was issued by a law enforcement officer to the driver of the motor vehicle for the violation of Florida Statutes 316.074(1) and 316.075(1)(c)1 stated in this Notice. **The affidavit must be sworn before a notary public or other person authorized to administer oaths.** If you assert that the vehicle was in the care, custody or control of another person, you must provide the name, address, date of birth, and, if known, the driver's license number of the person who leased, rented, or otherwise had care, custody, or control of the vehicle at the time of violation. If the vehicle was stolen, then the affidavit must include a copy of a police report showing the vehicle to have been stolen. If you assert that a UTC was issued by a law enforcement officer for the violation of Florida Statutes 316.074(1) and 316.075(1)(c)1 stated in this Notice, then you must include the serial number of the UTC. For faster processing, you may, but are not required to, include a copy of the UTC. If your affidavit complies with the requirements of Florida Statute 316.0083, then no further action will be taken against you. **The submission of a false affidavit is a misdemeanor of the second degree, punishable under Florida Statute 775.082 or 775.083 by a term of imprisonment not to exceed sixty (60) days and/or a fine not to exceed \$500.00.** If submitting an affidavit, it must be postmarked on or before the due date specified on the front page of this Notice in order to be appropriately processed. The affidavit should be mailed to City of Sarasota, Intersection Safety Program, P.O. Box 30305, Tampa, FL 33630-3305.

**Do not send payment or affidavit to the Clerk of the Court.**

**If you fail to respond as outlined above, postmarked by the due date, a UTC will be issued to you.** Upon issuance of a UTC, you shall have the remedies specified in Florida Statutes 316.0083 and 318.14, which include (a) the right to pay the civil penalty in the amount of \$264.00; (b) the right to submit an affidavit; or (c) the right to have a hearing before a designated official, who shall determine whether an infraction has been committed. If the official concludes that no infraction has been committed, the UTC will be dismissed, and no costs or penalties shall be imposed. If the official concludes an infraction has been committed, the official will uphold the UTC and may impose an additional civil penalty not to exceed \$500.00 and court fees and costs. Failure to pay, submit an affidavit, or request a hearing on the UTC could result in your driving privileges being suspended.

**VIEW YOUR IMAGES AND VIDEO EVIDENCE FOR THIS INFRACTION:** The recorded images and video of your violation will be submitted as evidence for the disposition of this violation. You may view your images and video online at <https://secure.redlightviolations.com>. You will need your Notice # and PIN # printed on the front of this Notice inside the red box. If you do not have internet access, you may view your video and images at any public library.

**QUESTIONS:** If you have any questions, please contact Customer Service toll free at 1-866-285-8999.  
(You must be the registered owner of the vehicle to discuss this violation with Customer Service.)

**PAYMENT INSTRUCTIONS**

**ONLINE PAYMENT:** The fastest and easiest way to pay your \$158.00 penalty is online. Go to <https://secure.redlightviolations.com> and log on with your Notice # and PIN # shown in the red box on the front of this Notice of Violation. Click the Pay button. There is a 5% convenience / service fee for this service.

**PAYMENT BY PHONE:** Call toll free 1-866-285-8999 available 24 hours a day, 7 days a week. There is a 5% convenience / service fee for this service.

**PAYMENT BY MAIL:** Mail your check or money order (payable to the City of Sarasota) in the enclosed envelope with the coupon printed at the bottom of the reverse side of this Notice. PLEASE DO NOT MAIL CASH. Be sure to put the Notice # (see reverse) on the face of your payment. Payment must be postmarked on or before the due date.

**HEARING REQUEST FORM**

To request a hearing on the above referenced Notice of Violation pursuant to Florida Statutes 316.0083, please submit the signed and dated coupon below in the envelope provided. The petitioner understands they will be notified of the date, time and location of the hearing. The Local Hearing Officer shall issue a final administrative order. If the Notice of Violation is upheld, the petitioner will be required to pay \$158.00 and may also be required to pay county or municipal costs, not to exceed \$250.00. **NOTE: Per Florida Statute, you may cancel your appearance before the Local Hearing Officer by paying the \$158.00 penalty assessed, plus \$50 in administrative costs, before the start of the hearing. The amount due will be \$208.00.**

Detach here and return bottom portion as a request for an Administrative Hearing before a Local Hearing Officer.

I submit this form as a request to contest this Notice of Violation and acknowledge that it must be postmarked by the due date of this Notice to be a valid request. I understand that I must attend this hearing in person, unless represented by counsel appearing in person on my behalf. I also understand that I will be notified of the date, time and location of the hearing.



Please sign and print name using blue or black ink.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_

To encourage payment at the Notice of Violation phase, RedSpeed sends out Reminder Notices (*at no additional charge*) on behalf of Sarasota and Coral Gables and would provide this same service to Miami Beach.



**City of Sarasota  
Intersection Safety Program  
P.O. Box 30305  
Tampa, FL 33630-3305**

**CITY OF SARASOTA  
NOTICE OF VIOLATION**



Notice Number: **2010200001267993**  
PIN Number: **9748**

View your video and pay with your Visa or MasterCard at <https://secure.redlightviolations.com>

Amount Due: **\$158.00**  
Due Date: **07/20/2018**

**SARASOTA, FL, 34234**

ON/ (Date) <b>04/24/2018</b>	AT TIME <b>3:43 PM</b>	AT LOCATION <b>Tuttle Ave &amp; Bahia Vista St N/B</b>	COUNTY <b>SARASOTA</b>
NAME I			
STREET ADDRESS J			
CITY <b>SARASOTA</b>		STATE <b>FL</b>	ZIP CODE <b>34234</b>
DID UNLAWFULLY <input checked="" type="checkbox"/> OPERATE/DRIVE <input type="checkbox"/> PARK			
VEHICLE	YEAR <b>2000</b>	MAKE <b>Chevrolet</b>	MODEL <b>CAMARO</b>
	STYLE	COLOR <b>RED</b>	
	NUMBER	STATE <b>FL</b>	REGISTRATION NUMBER
Did then and there commit the following offense: <b>FAILURE TO COMPLY WITH A STEADY RED SIGNAL</b> The recorded images relating to the vehicle stated above are evidence of this violation.			
IN VIOLATION OF: <b>Florida Statutes Sections 316.0083, 316.074(1) and 316.075(1)(c)1</b>			
POLICE DEPARTMENT <b>Ofc. T. Tschetter ID# 1034</b>			
The traffic infraction enforcement officer or law enforcement officer named above has reviewed the recorded images evidencing the red light signal violation, has identified the license tag number of the violating vehicle and has found reasonable and probable grounds that an offense has been committed.			ISSUE DATE <b>05/18/2018</b>
<b>CIVIL PENALTY FINE OF: \$158.00</b>			



IF YOU HAVE QUESTIONS ABOUT THIS NOTICE, PLEASE GO TO <https://secure.redlightviolations.com>

Pay with your Visa or MasterCard at <https://secure.redlightviolations.com> or mail your check or money order with this coupon in the enclosed envelope to the address below



NAME:	J	DUE:	<b>07/20/2018</b>
NOTICE #:		VERSION:	<b>1</b>
PLATE:		ISSUED:	<b>05/18/2018</b>
	STATE:	FL	TYPE:

No points will be assessed for this Notice of Violation nor will it affect vehicle insurance rates.

**City of Sarasota  
Intersection Safety Program  
P.O. Box 30305  
Tampa, FL 33630-3305**

- Si necesita ayuda en Español, llame al 1 888 285 8090
- PLEASE RESPOND WITH PAYMENT, REQUEST A HEARING, OR SUBMIT AN AFFIDAVIT POSTMARKED ON OR BEFORE THE DUE DATE TO AVOID ISSUANCE OF A UNIFORM TRAFFIC CITATION ("UTC"). SEE INSTRUCTIONS ON REVERSE SIDE.
- Pay with your Visa or MasterCard at <https://secure.redlightviolations.com> or mail your check or money order payable to the address on the enclosed envelope.
- Make your check or money order payable to the City of Sarasota.
- DO NOT MAIL CASH.
- Write the Notice # located above on the front of your payment.
- Insert this tear-off coupon in the enclosed envelope.

**AMOUNT DUE: \$158.00**

13710000020171201020000126799300000158002



Personal Information has been redacted for privacy



**City of Coral Gables**  
Intersection Safety Program  
P.O. Box 30305  
Tampa, FL 33630-3305  
Customer Service # 1-866-566-3882

Tracking Number  
123786935

**Florida Uniform Traffic Citation**

PAYMENTS AND HEARING REQUESTS NOT ACCEPTED AT THIS ADDRESS



Notice Number: 2010100000782331  
PIN Number: 6598

View your video online at:  
<https://secure.redlightviolations.com>

Amount Due: **\$277.00**  
Due Date: **08/23/2018**

PORT SAINT LUCIE, FL, 34952-5438

**FLORIDA UNIFORM TRAFFIC CITATION: A95Y50E**

COUNTY OF <b>MIAMI-DADE</b>		<input type="checkbox"/> (1) F.H.P. <input checked="" type="checkbox"/> (2) P.O. <input type="checkbox"/> (3) S.O. <input type="checkbox"/> (4) OTHER	
CITY (IF APPLICABLE) <b>CORAL GABLES</b>		AGENCY NAME: <b>City of Coral Gables</b> AGENCY #: <b>03</b>	
IN THE COURT DESIGNATED BELOW THE UNDERSIGNED CERTIFIES THAT THESE ARE JUST AND REASONABLE GROUNDS TO BELIEVE AND DOES BELIEVE THAT ON: <b>SUMMONS (VIOLATOR'S COPY)</b>			
DAY OF WEEK <b>Thursday</b>	MONTH <b>Mar</b>	DAY <b>01</b>	YEAR <b>2018</b>
TIME <b>12:02:17</b>		<input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	
NAME (PRINT) FIRST <b>ADONAY</b>	MIDDLE	LAST	
STREET <b>IF DIFFERENT THAN DRIVER'S LICENSE, "X" HERE</b>			
CITY <b>PORT SAINT LUCIE</b>		STATE <b>FL</b>	ZIP CODE <b>34952-5438</b>
TELEPHONE NUMBER	DATE OF BIRTH <b>Dec 12 1974</b>	MO	DAY
YEAR	RACE	SEX	HGT
DRIVER LICENSE NUMBER	STATE <b>FL</b>	CLASS <b>E</b>	DL LICENSE <b>YES</b> <input type="checkbox"/> <b>NO</b> <input type="checkbox"/>
TR LICENSE EXP.	COMMERCIAL VEHICLE <b>YES</b> <input type="checkbox"/> <b>NO</b> <input checked="" type="checkbox"/>	2020	
TR VEHICLE MAKE <b>KIA</b>	STYLE <b>4P</b>	COLOR <b>BLU</b>	PLACARDED HAZARDOUS MATERIAL <b>YES</b> <input type="checkbox"/> <b>NO</b> <input type="checkbox"/>
VEHICLE LICENSE NO. <b>YASJK</b>	TRAILER TAG NO.	STATE <b>FL</b>	YEAR TAG EXPIRES <b>2018</b>
UPON A PUBLIC STREET OR HIGHWAY, OR OTHER LOCATION, NAMELY <b>US 1 COXIE HWY &amp; GRANADA BLVD N/B</b>		MOTORCYCLE <b>YES</b> <input type="checkbox"/> <b>NO</b> <input type="checkbox"/>	
COMPANION CITATION NUMBER(S)			
FT _____ MILES _____ OF NODE _____			
DID UNLAWFULLY COMMIT THE FOLLOWING OFFENSE: VIOLATION OF STATE STATUTE CODE 349.40(1)(a) OR (b) OR (c) OR (d) OR (e) OR (f) OR (g) OR (h) OR (i) OR (j) OR (k) OR (l) OR (m) OR (n) OR (o) OR (p) OR (q) OR (r) OR (s) OR (t) OR (u) OR (v) OR (w) OR (x) OR (y) OR (z) OR (aa) OR (ab) OR (ac) OR (ad) OR (ae) OR (af) OR (ag) OR (ah) OR (ai) OR (aj) OR (ak) OR (al) OR (am) OR (an) OR (ao) OR (ap) OR (aq) OR (ar) OR (as) OR (at) OR (au) OR (av) OR (aw) OR (ax) OR (ay) OR (az) OR (ba) OR (bb) OR (bc) OR (bd) OR (be) OR (bf) OR (bg) OR (bh) OR (bi) OR (bj) OR (bk) OR (bl) OR (bm) OR (bn) OR (bo) OR (bp) OR (bq) OR (br) OR (bs) OR (bt) OR (bu) OR (bv) OR (bw) OR (bx) OR (by) OR (bz) OR (ca) OR (cb) OR (cc) OR (cd) OR (ce) OR (cf) OR (cg) OR (ch) OR (ci) OR (cj) OR (ck) OR (cl) OR (cm) OR (cn) OR (co) OR (cp) OR (cq) OR (cr) OR (cs) OR (ct) OR (cu) OR (cv) OR (cw) OR (cx) OR (cy) OR (cz) OR (da) OR (db) OR (dc) OR (dd) OR (de) OR (df) OR (dg) OR (dh) OR (di) OR (dj) OR (dk) OR (dl) OR (dm) OR (dn) OR (do) OR (dp) OR (dq) OR (dr) OR (ds) OR (dt) OR (du) OR (dv) OR (dw) OR (dx) OR (dy) OR (dz) OR (ea) OR (eb) OR (ec) OR (ed) OR (ee) OR (ef) OR (eg) OR (eh) OR (ei) OR (ej) OR (ek) OR (el) OR (em) OR (en) OR (eo) OR (ep) OR (eq) OR (er) OR (es) OR (et) OR (eu) OR (ev) OR (ew) OR (ex) OR (ey) OR (ez) OR (fa) OR (fb) OR (fc) OR (fd) OR (fe) OR (ff) OR (fg) OR (fh) OR (fi) OR (fj) OR (fk) OR (fl) OR (fm) OR (fn) OR (fo) OR (fp) OR (fq) OR (fr) OR (fs) OR (ft) OR (fu) OR (fv) OR (fw) OR (fx) OR (fy) OR (fz) OR (ga) OR (gb) OR (gc) OR (gd) OR (ge) OR (gf) OR (gg) OR (gh) OR (gi) OR (gj) OR (gk) OR (gl) OR (gm) OR (gn) OR (go) OR (gp) OR (gq) OR (gr) OR (gs) OR (gt) OR (gu) OR (gv) OR (gw) OR (gx) OR (gy) OR (gz) OR (ha) OR (hb) OR (hc) OR (hd) OR (he) OR (hf) OR (hg) OR (hh) OR (hi) OR (hj) OR (hk) OR (hl) OR (hm) OR (hn) OR (ho) OR (hp) OR (hq) OR (hr) OR (hs) OR (ht) OR (hu) OR (hv) OR (hw) OR (hx) OR (hy) OR (hz) OR (ia) OR (ib) OR (ic) OR (id) OR (ie) OR (if) OR (ig) OR (ih) OR (ii) OR (ij) OR (ik) OR (il) OR (im) OR (in) OR (io) OR (ip) OR (iq) OR (ir) OR (is) OR (it) OR (iu) OR (iv) OR (iw) OR (ix) OR (iy) OR (iz) OR (ja) OR (jb) OR (jc) OR (jd) OR (je) OR (jf) OR (jg) OR (jh) OR (ji) OR (jj) OR (jk) OR (jl) OR (jm) OR (jn) OR (jo) OR (jp) OR (jq) OR (jr) OR (js) OR (jt) OR (ju) OR (jv) OR (jw) OR (jx) OR (jy) OR (jz) OR (ka) OR (kb) OR (kc) OR (kd) OR (ke) OR (kf) OR (kg) OR (kh) OR (ki) OR (kj) OR (kk) OR (kl) OR (km) OR (kn) OR (ko) OR (kp) OR (kq) OR (kr) OR (ks) OR (kt) OR (ku) OR (kv) OR (kw) OR (kx) OR (ky) OR (kz) OR (la) OR (lb) OR (lc) OR (ld) OR (le) OR (lf) OR (lg) OR (lh) OR (li) OR (lj) OR (lk) OR (ll) OR (lm) OR (ln) OR (lo) OR (lp) OR (lq) OR (lr) OR (ls) OR (lt) OR (lu) OR (lv) OR (lw) OR (lx) OR (ly) OR (lz) OR (ma) OR (mb) OR (mc) OR (md) OR (me) OR (mf) OR (mg) OR (mh) OR (mi) OR (mj) OR (mk) OR (ml) OR (mm) OR (mn) OR (mo) OR (mp) OR (mq) OR (mr) OR (ms) OR (mt) OR (mu) OR (mv) OR (mw) OR (mx) OR (my) OR (mz) OR (na) OR (nb) OR (nc) OR (nd) OR (ne) OR (nf) OR (ng) OR (nh) OR (ni) OR (nj) OR (nk) OR (nl) OR (nm) OR (nn) OR (no) OR (np) OR (nq) OR (nr) OR (ns) OR (nt) OR (nu) OR (nv) OR (nw) OR (nx) OR (ny) OR (nz) OR (oa) OR (ob) OR (oc) OR (od) OR (oe) OR (of) OR (og) OR (oh) OR (oi) OR (oj) OR (ok) OR (ol) OR (om) OR (on) OR (oo) OR (op) OR (oq) OR (or) OR (os) OR (ot) OR (ou) OR (ov) OR (ow) OR (ox) OR (oy) OR (oz) OR (pa) OR (pb) OR (pc) OR (pd) OR (pe) OR (pf) OR (pg) OR (ph) OR (pi) OR (pj) OR (pk) OR (pl) OR (pm) OR (pn) OR (po) OR (pp) OR (pq) OR (pr) OR (ps) OR (pt) OR (pu) OR (pv) OR (pw) OR (px) OR (py) OR (pz) OR (qa) OR (qb) OR (qc) OR (qd) OR (qe) OR (qf) OR (qg) OR (qh) OR (qi) OR (qj) OR (qk) OR (ql) OR (qm) OR (qn) OR (qo) OR (qp) OR (qq) OR (qr) OR (qs) OR (qt) OR (qu) OR (qv) OR (qw) OR (qx) OR (qy) OR (qz) OR (ra) OR (rb) OR (rc) OR (rd) OR (re) OR (rf) OR (rg) OR (rh) OR (ri) OR (rj) OR (rk) OR (rl) OR (rm) OR (rn) OR (ro) OR (rp) OR (rq) OR (rr) OR (rs) OR (rt) OR (ru) OR (rv) OR (rw) OR (rx) OR (ry) OR (rz) OR (sa) OR (sb) OR (sc) OR (sd) OR (se) OR (sf) OR (sg) OR (sh) OR (si) OR (sj) OR (sk) OR (sl) OR (sm) OR (sn) OR (so) OR (sp) OR (sq) OR (sr) OR (ss) OR (st) OR (su) OR (sv) OR (sw) OR (sx) OR (sy) OR (sz) OR (ta) OR (tb) OR (tc) OR (td) OR (te) OR (tf) OR (tg) OR (th) OR (ti) OR (tj) OR (tk) OR (tl) OR (tm) OR (tn) OR (to) OR (tp) OR (tq) OR (tr) OR (ts) OR (tt) OR (tu) OR (tv) OR (tw) OR (tx) OR (ty) OR (tz) OR (ua) OR (ub) OR (uc) OR (ud) OR (ue) OR (uf) OR (ug) OR (uh) OR (ui) OR (uj) OR (uk) OR (ul) OR (um) OR (un) OR (uo) OR (up) OR (uq) OR (ur) OR (us) OR (ut) OR (uu) OR (uv) OR (uw) OR (ux) OR (uy) OR (uz) OR (va) OR (vb) OR (vc) OR (vd) OR (ve) OR (vf) OR (vg) OR (vh) OR (vi) OR (vj) OR (vk) OR (vl) OR (vm) OR (vn) OR (vo) OR (vp) OR (vq) OR (vr) OR (vs) OR (vt) OR (vu) OR (vv) OR (vw) OR (vx) OR (vy) OR (vz) OR (wa) OR (wb) OR (wc) OR (wd) OR (we) OR (wf) OR (wg) OR (wh) OR (wi) OR (wj) OR (wk) OR (wl) OR (wm) OR (wn) OR (wo) OR (wp) OR (wq) OR (wr) OR (ws) OR (wt) OR (wu) OR (wv) OR (ww) OR (wx) OR (wy) OR (wz) OR (xa) OR (xb) OR (xc) OR (xd) OR (xe) OR (xf) OR (xg) OR (xh) OR (xi) OR (xj) OR (xk) OR (xl) OR (xm) OR (xn) OR (xo) OR (xp) OR (xq) OR (xr) OR (xs) OR (xt) OR (xu) OR (xv) OR (xw) OR (xx) OR (xy) OR (xz) OR (ya) OR (yb) OR (yc) OR (yd) OR (ye) OR (yf) OR (yg) OR (yh) OR (yi) OR (yj) OR (yk) OR (yl) OR (ym) OR (yn) OR (yo) OR (yp) OR (yq) OR (yr) OR (ys) OR (yt) OR (yu) OR (yv) OR (yw) OR (yx) OR (yy) OR (yz) OR (za) OR (zb) OR (zc) OR (zd) OR (ze) OR (zf) OR (zg) OR (zh) OR (zi) OR (zj) OR (zk) OR (zl) OR (zm) OR (zn) OR (zo) OR (zp) OR (zq) OR (zr) OR (zs) OR (zt) OR (zu) OR (zv) OR (zw) OR (zx) OR (zy) OR (zz)			

ISSUE DATE: 07/24/2018      FINE AMOUNT: \$277.00  
Location: US 1 COXIE HWY & GRANADA BLVD N/B  
Violation Date and Time: 08/01/2018 at 12:02 PM  
Vehicle License Number: YA2JK

**Important Instructions to Individuals charged with a non-ordinal traffic infraction.** You have been issued a Uniform Traffic Citation for a violation of State Statute Code 647-Red-Light Camera, Sections, or 318.074(1) or 318.076(1)(c)(1) failure to stop at a red traffic signal pursuant to F.S. 318.068 of the Florida State Statutes. You are required to comply with one of the options listed below. If you fail to comply with one of the options by the date listed your driving privileges may be suspended until you comply and you may incur additional cost associated with non-compliance.

**DIRECTIONS TO RESOLVE THIS CITATION**

**OPTIONS: MARK ONLY ONE**

**Option A: MAKE A PAYMENT**  
- PAYMENT BY MAIL \$277.00 must be received by 08/23/2018 payable by check or money order directly to the MIAMI-DADE Clerk of the Court. Sign and mail this original Citation with your payment. Please keep a copy for your records. **MAILING ADDRESS FOR THE CLERK OF COURT:** Miami-Dade Clerk of the Court, P.O. Box 19321, Miami, FL 33101-9321. **DO NOT MAIL CASH**  
- PAYMENT IN PERSON \$277.00 must be paid in person at Clerk of the Court, 1351 NW 12th St. Rm 124, Miami FL 33125, or check the Clerk of Courts website for other locations on or before 08/23/2018. Include this original Citation with your payment. Please keep a copy for your records.  
- PAYMENT ONLINE  
[http://www.miami-dadeclerk.com/traffic\\_parking.asp](http://www.miami-dadeclerk.com/traffic_parking.asp)

**Option B: REQUEST A HEARING** To challenge this Citation, request a court hearing prior to 08/23/2018. Sign and mail this original Citation to Miami-Dade Clerk of the Court, P.O. Box 19321, Miami, FL 33101-9321. Please keep a copy for your records. If the official determines no infraction has been committed, no costs or penalties shall be imposed and any costs or penalties which have been paid shall be returned in accordance with Florida Statute 318.20. **IF THIS BOX IS NOT CHECKED, A HEARING WILL NOT BE SCHEDULED. THE COURT WILL SCHEDULE YOUR HEARING AND NOTIFY YOU OF THE DATE, TIME AND LOCATION.**

If you choose option A, court appearance is NOT REQUIRED. This will not be used for purposes of setting insurance rates and points will not be assessed on your driver record.

If you chose option B and it is determined that no infraction was committed, then no cost or penalties shall be assessed. If it is determined that an infraction has been committed then additional penalties may be applied.



SIGNATURE OF VIOLATOR \_\_\_\_\_ DATE \_\_\_\_\_  
OFC. A. CASTELLO  
TROOPER/OFFICER NAME & RANK \_\_\_\_\_  
*A. Castello* 6086  
SIGNATURE OF OFFICER \_\_\_\_\_ BADGE NUMBER \_\_\_\_\_

VIEW YOUR IMAGES AND VIDEO EVIDENCE OBTAINED FOR THIS CASE: The recorded images and video of your violation will be submitted as evidence for the disposition of this violation. You have the right to examine and observe your images and video online at <https://secure.redlightviolations.com>. You will need your Notice # and PIN # printed on the top of this Citation inside the red box. If you do not have internet access, you have the right to examine and observe your video and images at the local library.

## Data Security

From RedSpeed's inception, RedCheck™ back-office system was developed to maintain the highest levels of security. RedCheck™ and the systems that support the program are hosted at a state-of-the-art DuPont facility just outside Chicago which provides 24/7/ security staff, video surveillance and dual-factor authentication via biometric and proximity scanners to limit access to only authorized users.

RedSpeed recently completely overhauled its entire infrastructure to mirror the same system security software used by the US Military, DARPA, Raytheon and NASA. A wide range of technologies, including on-prem agent software, firewalls, security certificates, all report to a centralized intuitive system that automatically identifies and remediates outbreaks and threats via SaaS threat intelligence data identification. This multi-layered approach ensures the availability and integrity of the data as well as the system itself are fully protected.

All incoming network connections are scanned by enterprise level Next-Gen Intrusion Prevention System (NGIPS) Cisco firewalls with Cisco's FirePOWER AMP modules. All connections are filtered through a set of Access Control Lists (ACL's) and allowed protocols. RedSpeed's email system is protected by NGIPS using geofencing and Exchange 365 heuristic filters to only allow emails from the United states and anyone outside that region must be white listed. Malicious messages automatically get discarded when embedded code is detected by filters. All the NGIPS FirePOWER syslog node points (Cisco networking devices) and AMP agents report back to the latest security information and event management (**SIEM**) LogRhythm software. Outgoing user connections are monitored via Cisco Umbrella (formerly OpenDNS) SaaS DNS services for malicious activity and policy-based proxy filters which also report back to the SIEM for closer analysis.

The proprietary RedCheck™ and SiteOps™ web sites are protected with SSL security certificates to provide authorization and authentication services to users. All data transfers are also encrypted to prevent data snooping. Each authorized user has a unique login and a complex password comprised of a minimum of 7 characters. During log-in, all users are validated against a Kerberos secured Microsoft Active Directory database.

User account access is also defined thru permissions applied using role-based templates. Each user has a specific set of roles that will allow them to perform limited actions. If the user's account has not been granted access to a specific role, the user will not be able to perform that function. This prevents users from gaining access not previously authorized or applied. Additionally, all user activities are audited within a Microsoft SQL Database and the SIEM with logs retained and backed up at another site using VEEAM multi-site replication backups per CJIS policy for data retention.

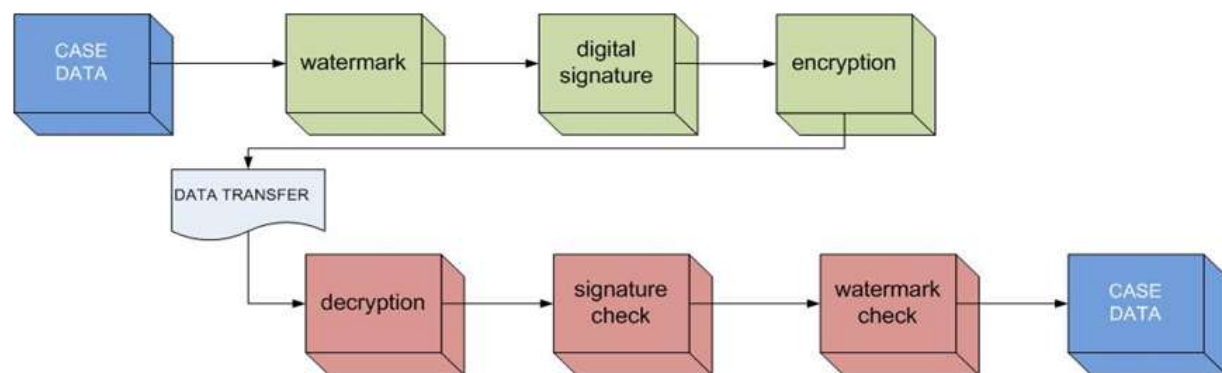


The reliability and speed of the RedCheck™ system is never in question, as the data backup, disk redundancy, and network speed have been optimized for multiple connections. A fully managed fiber-optic internet connection into the facility allows for hundreds of concurrent connections to access the live database without any decrease in performance. This would also include a full copper redundancy back up line. Our server cluster provides reliability and a high percentage of available uptime.

This type of network configuration will guard against loss of data entry and information integrity degradation.

Unlike many vendors who rely on antiquated magnetic tapes for storage, these purged images and video are stored digitally on a full secondary back up system, as well as being stored in the cloud. This data can be easily accessed on request of the municipality. All data can be sorted and organized into relevant reports.

The RedCheck™ system secures the integrity of violation data by using a combination of digital signature, Public Key Cryptography Infrastructure (PKI), and Virtual Private Network (VPN) technology. Each violation is assigned a unique digital signature before being encrypted. Using PKI requires a pair of keys to successfully decrypt and import the violation. One half of the key resides in our data center and the other half resides inside the camera system. Both keys must match exactly for the violation data to be decrypted and the digital signature verified. If one part of the process does not match, the violation will not be imported. While PKI protects the violation data, the VPN protects the data transfer to RedSpeed's back office. The VPN uses many high levels of encryption to ensure no tampering has occurred during transmission as demonstrated in the following flow chart:



A secure room has been established to allow access to the Nlets database. Equipped with computer terminals running on a system completely independent of main system servers, a limited number of authorized users who have passed stringent security checks and finger printing are able to access Nlets information. Requiring a unique access pass card which is restricted to only business hours Monday thru Friday, users are monitored by security cameras while using the terminals in securely controlled spaces remotely.

RedSpeed further safeguards the security of the RedCheck system and violation data by maintaining high levels of security at the Lombard headquarters and processing facility. Employees are assigned access scan cards which allow them to enter the building thru two specific entrances monitored by external card reader entry systems. As a result, Management is able to track the time and date any individual has entered or departed the facility. Within the building access to specific departments, such as the printing and mailing department, is available only to authorized users during specific times of day.

RedSpeed has also augmented its staff to include 365 24/7 NOC (also FBI background cleared) for monitoring and remediation to ensure that our systems are always running. This incorporates the latest monitoring software of all nodes by SolarWinds Orion and LogRhythm for event notifications.

### **Data Archival**

RedSpeed will securely archive all enforceable violation data (still images, video clip, notice copies, correspondence) related to individual violations for no less than five years after the final disposition of a case and the period required under the Florida Government Record Retention Schedule.



**Evidence Packages**

RedSpeed’s RedCheck Violation Processing Software provides comprehensive evidence packages **with a single click**. Municipal users no longer need to retrieve violations and painstakingly download each of the required items individually. Users may select individual violations, or all cases scheduled for a specific hearing date.

<input type="checkbox"/>	Hearing Date	Violation #	Violator Name	Requested By	Requested Date	Evidence Package	Reschedule Hearing
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002966186	GINEAN MARIE RAPP	francisco.bueno	10/09/2018 10:04 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002772070	ORONDE ANTHONY VASSELL	francisco.bueno	10/09/2018 10:01 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002522554	IDA RAQUEL RODRIGUEZ	francisco.bueno	10/10/2018 10:49 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002543167	JOYCE ANN DAVANZO	francisco.bueno	10/16/2018 07:01 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002634167	JUAN G PEREZ	francisco.bueno	10/02/2018 01:06 PM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002677897	ALBERTO WILLIAM VAN DER MEJE	francisco.bueno	10/02/2018 08:25 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002685067	ALBERTO WILLIAM VAN DER MEJE	francisco.bueno	10/02/2018 08:24 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002466749	JEAN M NAUJELIS	francisco.bueno	10/17/2018 01:17 PM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002476836	DORA KAY MORSE	francisco.bueno	10/17/2018 01:15 PM	Ready	
<input type="checkbox"/>	12/06/2018 03:30 PM	2010200002266251	MARSHA SPRAGUE ENGLAND	francisco.bueno	10/16/2018 11:55 AM	Ready	

The generated evidence package is comprised of all notices issued to the party, a complete violation history summary including date, action and operator, still and video images, and scanned copies of all correspondence and affidavits submitted by the individual. Once selected, the items are compiled into a zipped file which can be saved to either a computer or data stick.

Case History

Action	Date	User	Details
<a href="#">Evidence Package Ready</a>	09/28/2018 10:36 AM	SYSTEM	
<a href="#">Administrative Hearing</a>	09/28/2018 10:36 AM		
Administrative Hearing Scheduled	09/28/2018 07:42 AM		
<a href="#">2010100001987181_MARIANO.pdf</a>	09/28/2018 07:42 AM		
Secondary Review Approved	08/13/2018 09:12 AM		
<a href="#">Notice of Violation</a>	06/12/2018 01:02 PM		
Approve by Police	06/12/2018 10:42 AM		
Approve by Supervisor	06/11/2018 03:03 PM		
FLHSMV response received	06/11/2018 09:01 AM		
Wait for FLHSMV	06/08/2018 02:55 PM		
Approve by Operator	06/08/2018		

Page 1 of 1 (12 items) [1]

OK Add Document

Download Violation's Files

What kind of documents should be included?

- Images
- Video
- Notices
- Other Docs

OK Cancel

RedSpeed® RedCheck | 2000100000160922\_Evid... | https://florida.redcheck.org/FileSpace/2017/12/27/RSFL0002/0024756083/2000100000160922\_EvidencePackage\_20172912\_113312.pdf

2000100000160922\_EvidencePackage\_20172912\_113312.pdf 1 / 10

**City of Coral Gables  
Intersection Safety Program  
PO Box 1371  
Bedford Park, IL 60499-1371**

**CITY OF CORAL GABLES  
NOTICE OF VIOLATION**

Notice Number: **2000100000160922**  
PIN Number: **1096**

View your video and pay with your Visa or MasterCard at <https://secure.redlightviolations.com>

Amount Due: **\$158.00**  
Due Date: **01/27/2018**

**CARPENTERSVILLE, IL 60110-2406**

ONV (Date)	AT TIME	AT LOCATION	COUNTY
12/27/2017	2:47 AM	US 1 Dixie Hwy & Granada Blvd SW	MIAMI-DADE
NAME			
STREET ADDRESS			
CITY		STATE	ZIP CODE
CARPENTERSVILLE		IL	60110-2406
DID UNLAWFULLY <input checked="" type="checkbox"/> OPERATE/DRIVE <input type="checkbox"/> PARK			
Y	YEAR	MAKE	MODEL
E	2002	Volvo	560
C			STYLE
S			Sedan 4 Door
E			COLOR
			Blue
I	NUMBER	STATE	REGISTRATION NUMBER
C		IL	

Did then and there commit the following offense:  
**FAILURE TO COMPLY WITH A STEADY RED SIGNAL**



The following documents comprise an evidence package:

**CITY OF SARASOTA  
NOTICE OF VIOLATION**

Complaint Number: 2019200004746316  
Document Number: 2019200004746316

Violation Information:  
Violation Date: 07/20/2018 04:28:03 PM  
Violation Location: Tuttle Ave & Bahia Vista St NB  
Plate No / State: R1270W FL  
Make / Model / Year: 2011 / SUV / 2011  
Registered Owner: DOUG RAY WIGGINS  
Mailing / Address: 2117 CRAWFORD LANE  
SARASOTA  
Driver: DOUG RAY WIGGINS  
Mailing / Address: 2117 C3 SARASOTA

AMOUNT DUE: \$158.00

**CITY OF SARASOTA  
ADMINISTRATIVE HEARING  
NOTIFICATION LETTER**

Complaint Number: 2019200004746316  
Document Number: 2019200004746316

The hearing date for the above mentioned Notice of Violation ("Notice") has been scheduled for:  
November 08, 2018 at 03:30 PM  
Sarasota City Hall Annex Building 1st Floor 1805 1st Street, Sarasota, FL 34238

You may reschedule this hearing once by submitting the completed form at the bottom of this letter to City of Sarasota, Intersection Safety Program, P.O. Box 30305, Tampa, FL 33630-3305. The form to reschedule must be received at least five (5) calendar days before the day of the originally scheduled hearing. If you have already rescheduled your hearing you may not reschedule it again.

If you are receiving a new Administrative Hearing Notification Letter please review the Date, Time and Location of your hearing as one or all of them may have been updated with new information. Please disregard the earlier Administrative Hearing Notification Letter and use only the information provided on the last notification received.

You may cancel your appearance before the Local Hearing Officer by paying the civil penalty of \$158.00 (minimum, plus \$30.00 in administrative costs, before the scheduled hearing time. To make a payment online please go to [www.RedLightViolations.com](http://www.RedLightViolations.com) or to make a payment by phone call 1-800-295-8900. There may be a convenience fee for this service.

If you choose not to appear, you waive the right to contest the violation and must pay the civil penalty of \$158.00, plus administrative costs up to \$250.00.

Please print and return within 10 business days after the date of this notification to the local hearing officer:

NAME: DOUG RAY WIGGINS  
ADDRESS: 2117 CRAWFORD LANE  
CITY: SARASOTA, FL 34238

Request to Reschedule Hearing

If you have already rescheduled your hearing you may not reschedule it again.

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

**City of Sarasota  
Violation Evidence Report**

Complaint Number: 2019200004746316  
Document Number: 2019200004746316

Violation Information:  
Violation Date: 07/20/2018 04:28:03 PM  
Violation Location: Tuttle Ave & Bahia Vista St NB  
Plate No / State: R1270W FL  
Make / Model / Year: 2011 / SUV / 2011  
Registered Owner: DOUG RAY WIGGINS  
Mailing / Address: 2117 CRAWFORD LANE  
SARASOTA  
Driver: DOUG RAY WIGGINS  
Mailing / Address: 2117 C3 SARASOTA

**City of Sarasota  
Violation Evidence Report**

Complaint Number: 2019200004746316  
Document Number: 2019200004746316

Violation Information:  
Violation Date: 07/20/2018 04:28:03 PM  
Violation Location: Tuttle Ave & Bahia Vista St NB  
Plate No / State: R1270W FL  
Make / Model / Year: 2011 / SUV / 2011  
Registered Owner: DOUG RAY WIGGINS  
Mailing / Address: 2117 CRAWFORD LANE  
SARASOTA  
Driver: DOUG RAY WIGGINS  
Mailing / Address: 2117 C3 SARASOTA

**City of Sarasota  
Violation Evidence Report**

Complaint Number: 2019200004746316  
Document Number: 2019200004746316

Violation Information:  
Violation Date: 07/20/2018 04:28:03 PM  
Violation Location: Tuttle Ave & Bahia Vista St NB  
Plate No / State: R1270W FL  
Make / Model / Year: 2011 / SUV / 2011  
Registered Owner: DOUG RAY WIGGINS  
Mailing / Address: 2117 CRAWFORD LANE  
SARASOTA  
Driver: DOUG RAY WIGGINS  
Mailing / Address: 2117 C3 SARASOTA

**City of Sarasota  
Violation Evidence Report**

Complaint Number: 2019200004746316  
Document Number: 2019200004746316

Violation Information:  
Violation Date: 07/20/2018 04:28:03 PM  
Violation Location: Tuttle Ave & Bahia Vista St NB  
Plate No / State: R1270W FL  
Make / Model / Year: 2011 / SUV / 2011  
Registered Owner: DOUG RAY WIGGINS  
Mailing / Address: 2117 CRAWFORD LANE  
SARASOTA  
Driver: DOUG RAY WIGGINS  
Mailing / Address: 2117 C3 SARASOTA

**City of Sarasota  
Camera Log Report**

Document #: 2019200004746316  
Location: RSLF0008 - Tuttle Ave & Bahia Vista St NB

Event	Date / Time	Status
Deployment Start	07/20/2018 02:00:16 AM	Operational/Temp Paused
Violation	07/20/2018 04:28:03 PM	
Deployment End	07/21/2018 02:00:25 AM	Operational/Temp Paused

©. Rights were Preserved

**REDSPEED SYSTEM LOG REPORT**

I, David Herrera, do hereby swear that:

- I am employed by RedSpeed.
- I am of sound mind, capable of making this certification, over the age of 18, and execute this certification based upon my own personal knowledge of RedSpeed's business and the method by which RedSpeed created, transmitted, and stored the information contained in the RedSpeed System Log Report.
- I am the duly authorized custodian of the RedSpeed System Log Report, and in such capacity, I have authority to certify the RedSpeed System Log Report is a true and correct copy of an original record maintained by RedSpeed.
- The RedSpeed System Log Report referenced below is a copy of a business record which was made automatically by the RedCheck Violation Processing System, at or near the time of the self-test of the automatic red light enforcement system.
- I certify that the testing that was conducted and is contained in the RedSpeed System Log Report is a regular practice in the course of RedSpeed's regularly conducted business activities and is kept in ordinary course of RedSpeed's regularly conducted business activities.

I DECLARE UNDER PENALTY OF PERJURY IN THE STATE OF FLORIDA THAT THE AFOREMENTIONED INFORMATION IS TRUE AND CORRECT.

*David Herrera*  
RedSpeed System Log Report  
07/20/2018  
Location: RSLF0008 - Tuttle Ave & Bahia Vista St NB  
Date: 07/20/2018  
Event Time Status  
Automated Self-Test 02:00:16 AM All Tests Passed

**City of Sarasota  
Violation Evidence Report**

Complaint Number: 2019200004746316  
Document Number: 2019200004746316

Violation Information:  
Violation Date: 07/20/2018 04:28:03 PM  
Violation Location: Tuttle Ave & Bahia Vista St NB  
Plate No / State: R1270W FL  
Make / Model / Year: 2011 / SUV / 2011  
Registered Owner: DOUG RAY WIGGINS  
Mailing / Address: 2117 CRAWFORD LANE  
SARASOTA  
Driver: DOUG RAY WIGGINS  
Mailing / Address: 2117 C3 SARASOTA

**NOTES**

Note	Added By	Added Date
Administrative Hearing Scheduled	Saravika Iswaran	10/22/2018 10:00:02 AM
Administrative Hearing Scheduled	Saravika Iswaran	10/17/2018 01:15:43 PM
Affidavit document	Saravika Iswaran	10/17/2018 01:15:21 PM
Reminder	Saravika Iswaran	09/10/2018 07:37:48 AM
Notice of Violation	Saravika Iswaran	07/20/2018 11:38:17 AM
Appeal by Public	joehanna.macias	07/20/2018 08:36:22 AM
Appeal by Supervisor	marly.mcdonald	07/24/2018 08:54:52 AM
FLDMV appeal received	ajay	07/24/2018 08:51:23 AM
Mail for FLDMV	amali.gargala	07/23/2018 04:24:24 PM
Appeal by Operator	amali.miller	07/23/2018 08:25:42 AM
Input into system	RSLF0008	07/20/2018 03:38:50 PM

**o) Standard and User-Defined Report Generation**

The RedCheck™ Violation Processing and Document Management System includes numerous pre-configured reports to provide municipal clients with detailed statistics pertaining to all aspects of their photo enforcement program. These reports have been designed based upon requests from existing clients and can certainly be customized to meet any specific requirements of the City. All reports are accessible online by authorized municipal users at any time. **Samples of all reports will be provided in “Section III Statistical Analysis and Reporting Systems” of this submission.**

**p) Audit Trails**

As stated previously, authorized municipal users access RedCheck™ by entering a unique and secure login and password on the Log In screen shown below. Individual user accounts authenticate the identity of a user and are used to grant or deny users access to resources through the assignment of specific “User Roles”. The assignment of specific access to individuals ensures accurate auditing of the users within the RedCheck environment. Any modifications, calls taken, or notes can be audited and traced. All information, including the violation numbers, dates and times of incidents, license plate numbers, registered owners’ information, and the status of violations are viewable and easily retrievable all from the Violation History screen to authorized municipal users.

Case History

Action	Date	User	Details
<a href="#">NEOPOST banner</a>	04/10/2019 09:44 AM	SYSTEM	
<a href="#">Uniform Traffic Citation</a>	04/10/2019 01:52 AM	viktor.vasylyev	
Secondary Review Approved	04/05/2019 04:28 AM	david.kennedy	
<a href="#">Reminder</a>	03/11/2019 09:18 AM	francisco.bueno	
<a href="#">Notice of Violation</a>	01/28/2019 02:47 PM	francisco.bueno	
Approve by Police	01/25/2019 10:20 AM	david.kennedy	
Approve by Supervisor	01/24/2019 09:56 AM	mike.schenk	MAX ROSWELL BROWN PO BOX 1467 NEWLAND, NC, 28657-1467
Approve by Operator	01/23/2019 03:27 PM	laurie.tolbert	FCW6851, NC
Import into system	01/20/2019 10:20 AM	RSFL0024	

Page 1 of 1 (9 items) < [1] >

OK Add Document Export

**q) Encryption and Decryption Management**

From RedSpeed’s inception, RedCheck™ back-office system was developed to maintain the highest levels of security. RedCheck™ and the systems that support the program are hosted at a state-of-the-art DuPont facility just outside Chicago which provides 24/7/ security staff, video surveillance and dual-factor authentication via biometric and proximity scanners to limit access to only authorized users. A detailed explanation of RedSpeed’s methodology for safeguarding data transmission will be provided in “Section IV Image Transmission Security and Data Storage” of this submission.

**2.5 a), b), c), 2.6, 2.7, 2.8, 2.9, 2.10**

As demonstrated on pages 74-77, RedSpeed will prepare and mail a Notice of Violation for all chargeable infractions to the cited vehicle's registered owner. A supplemental REMINDER notice will be sent 30 days later, with all notices are supplemented with a Remittance Envelope (see sample page 73). Violations approved for issuance by an authorized Miami beach Police department reviewer will be issued within 7 business days of Police approval. In most cases, once violations receive Police approval they are printed and mailed the following business day. All costs associated with all notice printing and mailing is the responsibility of RedSpeed.

**2.11**

The Notice Samples provided on pages 74-77 illustrate the images included on the Notices specifically,

- Image 1 – Vehicle captured with front wheels before the infraction limit line,
- Image 2 – Vehicle captured with front wheels after the infraction limit line
- Image 3 – Close-up of License Plate

In addition to the images, instructions directing the notice recipient to view the still images of the violation along with the corresponding video clip are provided on the reverse of the Notice as shown below.

**VIEW YOUR IMAGES AND VIDEO EVIDENCE FOR THIS INFRACTION:** The recorded images and video of your violation will be submitted as evidence for the disposition of this violation. You may view your images and video online at <https://secure.redlightviolations.com>. You will need your Notice # and PIN # printed on the front of this Notice inside the red box. If you do not have internet access, you may view your video and images at any public library.

**QUESTIONS:** If you have any questions, please contact Customer Service toll free at 1-866-285-8999.  
(You must be the registered owner of the vehicle to discuss this violation with Customer Service.)

PAYMENT INSTRUCTIONS

**ONLINE PAYMENT:** The fastest and easiest way to pay your \$158.00 penalty is online. Go to <https://secure.redlightviolations.com> and log on with your Notice # and PIN # shown in the red box on the front of this Notice of Violation. Click the Pay button. There is a 5% convenience / service fee for this service.

**PAYMENT BY PHONE:** Call toll free 1-866-285-8999 available 24 hours a day, 7 days a week. There is a 5% convenience / service fee for this service.

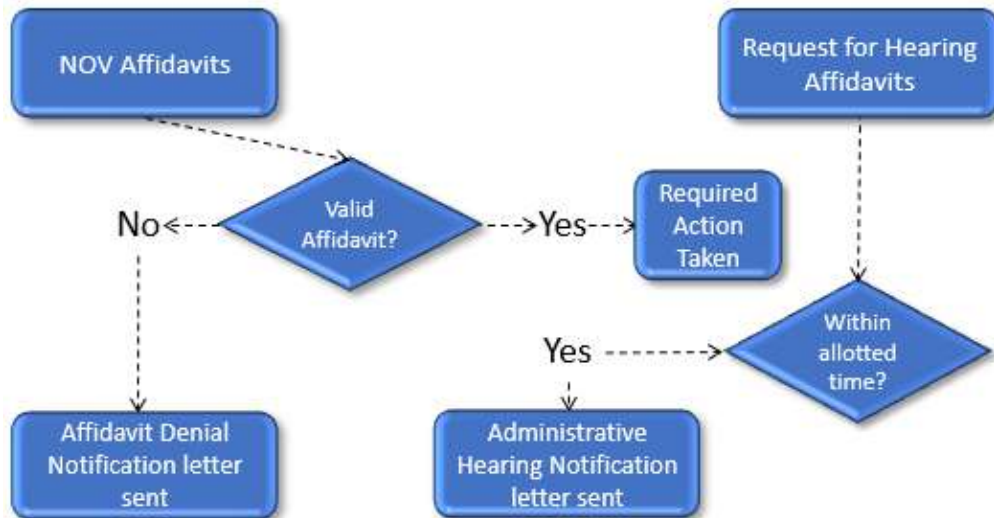
**PAYMENT BY MAIL:** Mail your check or money order (payable to the **City of Sarasota**) in the enclosed envelope with the coupon printed at the bottom of the reverse side of this Notice. PLEASE DO NOT MAIL CASH. Be sure to put the Notice # (see reverse) on the face of your payment. Payment must be postmarked on or before the due date.

**Violator Correspondence Processing**

RedSpeed has designated personnel specially trained to process Violator correspondence received in conjunction with Florida issued citations. Received documents are processed daily, with all items scanned and uploaded into the specific violation’s case history for easy review or download as part of the hearing evidence package.



**Types of Correspondence**





## 2.12 Web Based Services – Public Access

The Notice of Violation generated by RedSpeed on behalf of Miami Beach will include detailed instructions for violators to view the still and video images of their violation on-line as well as to submit payment at [www.RedLightViolations.com](http://www.RedLightViolations.com)

RedSpeed maintains this on-line payment portal, available 24 hrs. per day 365 days per year, which enables citation recipients to not only view three high resolution scene images including the plate image but also “play” a full motion video of their violation. All original, captured images can be viewed in a full screen enlargement mode with a single click. In addition, citation recipients may download fillable Affidavits and Hearing Request Forms.

To ensure security, access to the individual’s violation is only available after the individual inputs their unique citation number, license plate number and verification characters.

RedSpeed employs multiple mechanisms to safeguard this online payment portal from hackers and other unauthorized users.

A Secure Socket Layer (SSL) URI scheme and VeriSign SSL certificate are used to encrypt and authenticate the Hypertext Transfer Protocol (HTTP) connection.

To ensure each transaction through the website is being made by a user and not an automated computer attack, a CAPTCHA test is required which requires the user to enter distorted numeric verification characters not recognizable to computers.

### RedLightViolations

Once the individual has securely signed into the website they may view all digital evidence of the violation in original format / resolution.

Individuals requiring assistance may select the **Support** tab available on every screen. This tab allows users to email questions directly to a Violator Support Specialist.

### RedLightViolations

### RedLightViolations

Violators may also access Affidavit and Hearing Request forms thru this main violation screen. The forms auto-populate static information and are intuitive to activate applicable sections based upon prior responses.

**RedLightViolations**

Violation Details | **Support** | Privacy Policy | Terms and Conditions | Security | Información en Español

Violation Number: 2010200001962018  
 License Plate Number: GESQ40  
 License Plate State: FL  
 License Plate Type: PASSENGER  
 Vehicle Make: DODG  
 Municipality: Sarasota  
 Violation Location: Tuttle Ave & Bahia Vista St S/B  
 Violation Date: 06/05/18  
 Violation Time: 08:15 AM  
 Statutes Violated: 316.0083, 316.074(1) and 316.075(1)(c)1  
 Ordinance Number Description: DISOBEYING TRAFFIC CONTROL SIGNAL  
 Duration of Red Signal Prior to Violation: 3.0  
 Violation Status: Notice Of Violation  
 Total Amount Due: \$158.00  
 Respond By Date: 08/05/18

Click on pictures to zoom-in (new browser window will be opened).

Click Here To Play Video

Please read the following before making your payment:  
**VIOLATION PAYMENT**  
 Payment of the fine and any applicable penalty operates as a final disposition of the violation. Payment will NOT impact your driving privileges OR Insurance.  
**DISTRIBUTION OF INFORMATION**  
 We do not rent, sell or trade any personal information about you to third parties.  
**WHAT SECURITY IS PROVIDED**  
 We are committed to protecting the security of your personal information. Payment transactions are protected through Secure Sockets Layer (SSL) encryption, so that only appropriate personnel who have agreed to keep such information in strict confidence are able to decode your information.  
 Please note that most Internet browsers also offer security alerts that permit you to determine whether or not your transmission is secured.

**SUBMISSION OF AFFIDAVIT**  
 If you would like to submit an affidavit please click [here](#) to download the form.

**REQUEST A HEARING**  
 If you would like to request a hearing please click [here](#) to download the form.

Pay Notice Cancel

City of Sarasota  
 Intersection Safety Program  
 P.O. Box 30305  
 Tampa, FL 33630-3305

**Affidavit Establishing Exemption Under Florida Statutes § 316.0083(1)(d)**

This is a form of Affidavit that you may use to establish an exemption from the statutory penalty described in the Notice of Violation that you have received. Section I contains the instructions for filling out this form. Section II is the form that you must fill out if you choose to use this form of Affidavit. Please read the instructions in Section I carefully before filling out Section II or mailing this Affidavit.

**I. Instructions**

- Florida Statutes § 316.0083 provides that the registered owner of a motor vehicle found by a traffic infraction detector to have violated Florida Statutes §§ 316.074(1) or 316.075(1)(c)1, relating to adherence to traffic control devices, is responsible for a statutory penalty of \$158.00 unless the owner establishes by Affidavit that an exemption applies. The notice of violation you have received explains the statutory exemptions and how to establish them.
- Section II of this document constitutes an Affidavit that you may use to assert an exemption. Please fill in all blanks with the information requested. If you do not provide the required information, your Affidavit will not be sufficient and will not avoid payment of the penalty.
- If you assert that you are exempt from the statutory penalty because, at the time of the violation described in the notice, the vehicle was in the possession, custody, or control of another person, then you must provide the name, address, date of birth, and, if known, the driver's license number of the person who leased, rented, or otherwise had care, custody, or control of the vehicle at the time of the violation. Section II contains a space for you to do so.
- If you assert that you are exempt from the statutory penalty because, at the time of the violation described in the notice, the vehicle was stolen, then the Affidavit must include a copy of a police report showing the vehicle to have been stolen. Please attach the police report to this Affidavit.
- If you assert that you are exempt from the statutory penalty because a Uniform Traffic Citation was issued by a law enforcement officer for the violation of Florida Statutes §§ 316.074(1) or 316.075(1)(c)1 stated in the notice, then you must include the serial number of the Uniform Traffic Citation. Section II contains a space for you to do so.
- This Affidavit must be sworn to before a notary public or other person authorized to administer oaths. A form for the notary or other person to execute is included at the end of Section II. Please do not return this Affidavit without this evidence of its being sworn, as that will not be sufficient and will not avoid payment of the penalty.
- Upon completing this Affidavit, please mail to:  
 City of Sarasota, Intersection Safety Program,  
 P.O. Box 30305,  
 Tampa, FL 33630-3305.
- The statements in this Affidavit must be truthful. The submission of a false Affidavit is a misdemeanor of the second degree, punishable under Fla. Stat. § 775.082 or § 775.083 by a term of imprisonment not to exceed sixty (60) days and/or a fine not to exceed \$500.00.

**II. Affidavit**

I, **MALDONADO MELISSA LORRAINE**, having been sworn, hereby depose and say as follows:

- I have received a notice (the "Notice") informing me that a motor vehicle registered in my name was observed violating Florida Statutes §§ 316.074(1) or 316.075(1)(c)1 by failing to obey a steady red traffic signal. The Notice bears the following 16 digit number: **2010200001962018**.
- Under Florida Statute 316.0083(1)(d), I am exempt from the payment of the statutory penalty described in the Notice because (check all that apply):
  - At the time of the violation described in the Notice, my vehicle passed through the intersection in order to yield the right-of-way to an emergency vehicle.
  - At the time of the violation described in the Notice, my vehicle passed through the intersection as a part of a funeral procession.
  - At the time of the violation described in the Notice, my vehicle passed through the intersection at the direction of a law enforcement officer.
  - At the time of the violation described in the Notice, the vehicle was in the care, custody, or control of another person. That person's name, address, phone number and date of birth are:  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Date of Birth: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 I do/ do not know the driver's license number of this person.  
 Driver's License Number: \_\_\_\_\_
  - At the time of the violation described in the Notice, my vehicle had been stolen. A true and correct copy of a police report establishing that my vehicle had been stolen at that time is attached to this Affidavit.
  - A Uniform Traffic Citation has been issued by a law enforcement officer to the driver of the vehicle for the same violation of Florida Statutes §§ 316.074(1) or 316.075(1)(c)1 described in the Notice. The serial number of that citation is \_\_\_\_\_.
  - The motor vehicle's owner was deceased on or before the date that the uniformed traffic citation was issued. I understand that I must be the representative of the motor vehicle owner's estate or other designated person by a family member to fill out this Affidavit.

I understand that I must include a certified copy of the owner's death certificate showing that the date of death occurred on or before the issuance of the Notice of Violation and one of the following:

- A bill of sale or other document showing that the deceased owner's motor vehicle was sold after his or her death but on or before the date of the alleged violation.
- Documentary proof that the registered license plate belonging to the deceased owner's vehicle was returned to the department or any branch office or authorized agent of the department on or before the date of the alleged violation, or
- Copy of a police report showing the deceased owner's registered license plate or motor vehicle was stolen after the owner's death but on or before the date of the alleged violation.

Mail or Fax the COMPLETED Form to:  
 Florida Hearing Request  
 P.O. Box 30305  
 Tampa, FL 33630-3305  
 Fax: 630-812-2091

**REQUEST FOR LOCAL HEARING - RED LIGHT VIOLATION**

Driver/Vehicle Owner and Notice of Violation Information (NOV) (To be provided by requestor)

Date: **June 22, 2018**

Name (Typed or Printed): **MALDONADO MELISSA LORRAINE**

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

NOV Number: **2010200001962018** NOV Date: **06/08/2018**

Tag Number: **GESQ40** Driver License Number: **M43552705478**

Agency/Issuing Authority: **City of Sarasota**

Issuing Officer/Agent Name: **Michelle Rinaca**

Badge #: **1727**

Driver/Vehicle Owner and Notice of Violation Information (NOV) (To be provided by requestor)

Local Hearing Officer: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

POC Telephone Number: \_\_\_\_\_ Fax: \_\_\_\_\_

**THIS PAGE OF THE DOCUMENT MUST BE INCLUDED WITH THE AFFIDAVIT ON THE NEXT PAGE!**

**RedLightViolations**

Violation Details | Support | Privacy Policy | Terms and Conditions | Security | Información en Español

**Payment Information**

Violation Number: 2010200001962018  
 Amount Due: \$158.00  
 e-Payment Convenience Fee: \$7.90  
**Total Amount: \$165.90**

**Enter card information**

\* Card Type:

\* Card Number:

\* Expiration Date:  /

\* Security Code:  [Card Identification Numbers](#) (a new window will open)

**Enter account holder information exactly as it appears on the credit card**

\* First Name:

Middle Initial:

\* Last Name:

\* Address:

\* City:

\* State:

\* Zip:

\* E-mail address:

If you experience problems with this site please contact customer support at [support@redlightviolations.com](mailto:support@redlightviolations.com)  
This site must be used with Internet Explorer 8 or higher.

As indicated, Violators may Pay fines thru this portal using a credit or debit card.

Credit card information is used only to process transactions and is not collected or gathered for future use. All personal information obtained during the lifecycle of the violation (including images) is kept strictly confidential to protect the privacy of the vehicle's registered owner.

The 5% credit card convenience fee is applied to offset the transaction fee and is paid by the individual, with no fees being passed on to Miami Beach.

Upon completing the transaction, the violator will receive an email confirmation as pictured below which should be retained for their records.

**RedLightViolations.com**

Violation Details | Privacy Policy | Terms and Conditions | Security

Violation Notice Number: 1700100000010886  
 Bill Date: 02/14/07

Confirmation No	Violation No	Description	Issued Date	Registered Owner	Amount Due	ePayment Convenience Fee	Balance Due
D89FEAE2-45D34C2A-905-3CCC6		RedLight	01/30/07				\$0.00

A copy of this receipt has been emailed to: [viktor.vasylyev@redspeed-illinois.com](mailto:viktor.vasylyev@redspeed-illinois.com)

Thank you for using RedLightViolations.com

[Click here to search for violations](#)

If you experience problems with this site please contact customer support at [support@redlightviolations.com](mailto:support@redlightviolations.com)



**2.13 Customer Service and Telephone Payment Processing**

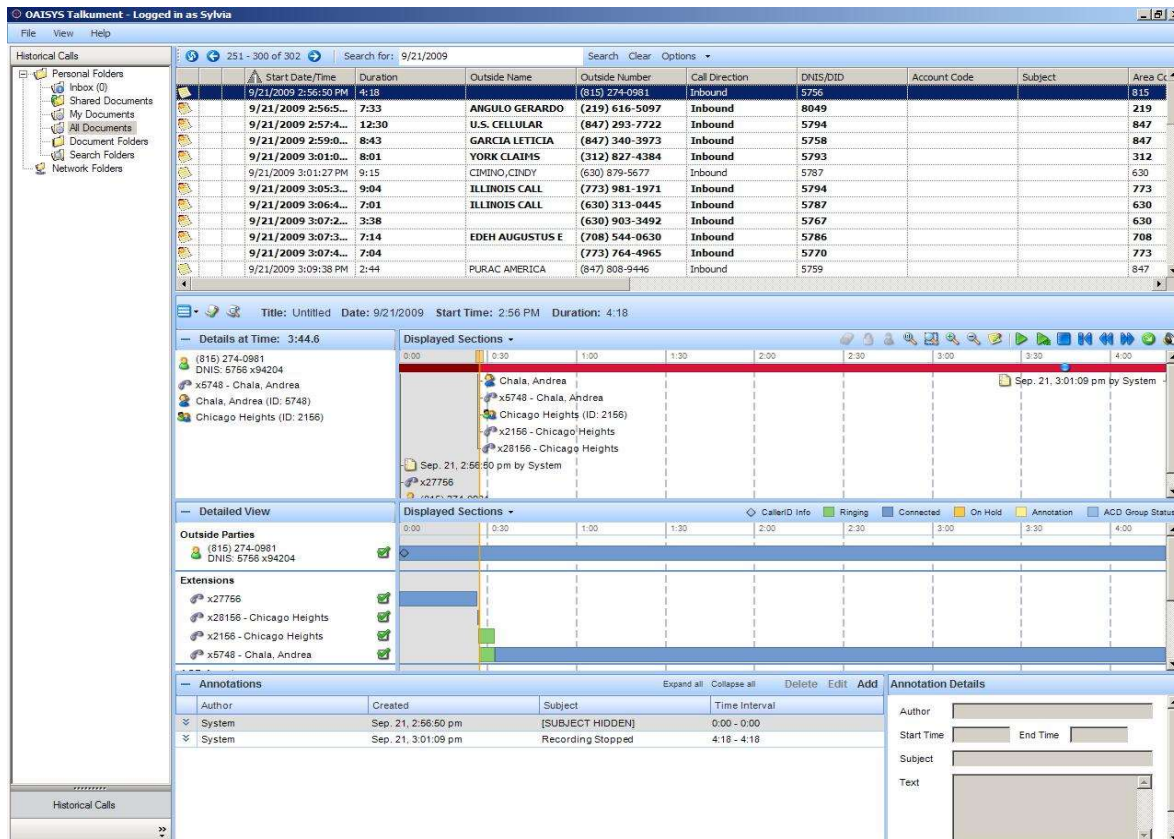
RedSpeed operates a full-service Call Center Monday through Friday, from 8 a.m. to 5 p.m. EST to address all customer service needs related to a citation. Accessible thru a City of Miami Beach Specific Toll-Free number provided on all notices sent on the City’s behalf, callers will be connected to live Call Center Operators fluent in English and Spanish. These individuals have experience working in call centers for AT&T and similar large-scale organizations, and many have been with RedSpeed for 12 years. If requested, RedSpeed can provide operators fluent in other languages. Individuals calling after normal business hours will have the option of leaving a voicemail message requesting a call back the next business day.

These Call Center Representatives have on-line access to all violation information, including the still and video images associated with a violation, and can assist callers with a multitude of services including:

- Violation Payment Processing via credit or debit card.
- Addressing Frequently Asked Questions by referencing an FAQ Manual to ensure all inquiries are responded to uniformly per Miami Beach’s specifications.
- In-person hearing scheduling,

Customer Service calls are recorded and monitored by Supervisors for quality assurance and training purposes, with hold times not exceeding 2 minutes during the hours of operation.

The highest level of customer service is assisted by the RedCheck™ Oasys Call Retrieval and Archival System. Each incoming call is recorded and notated, then attached to the violation record.



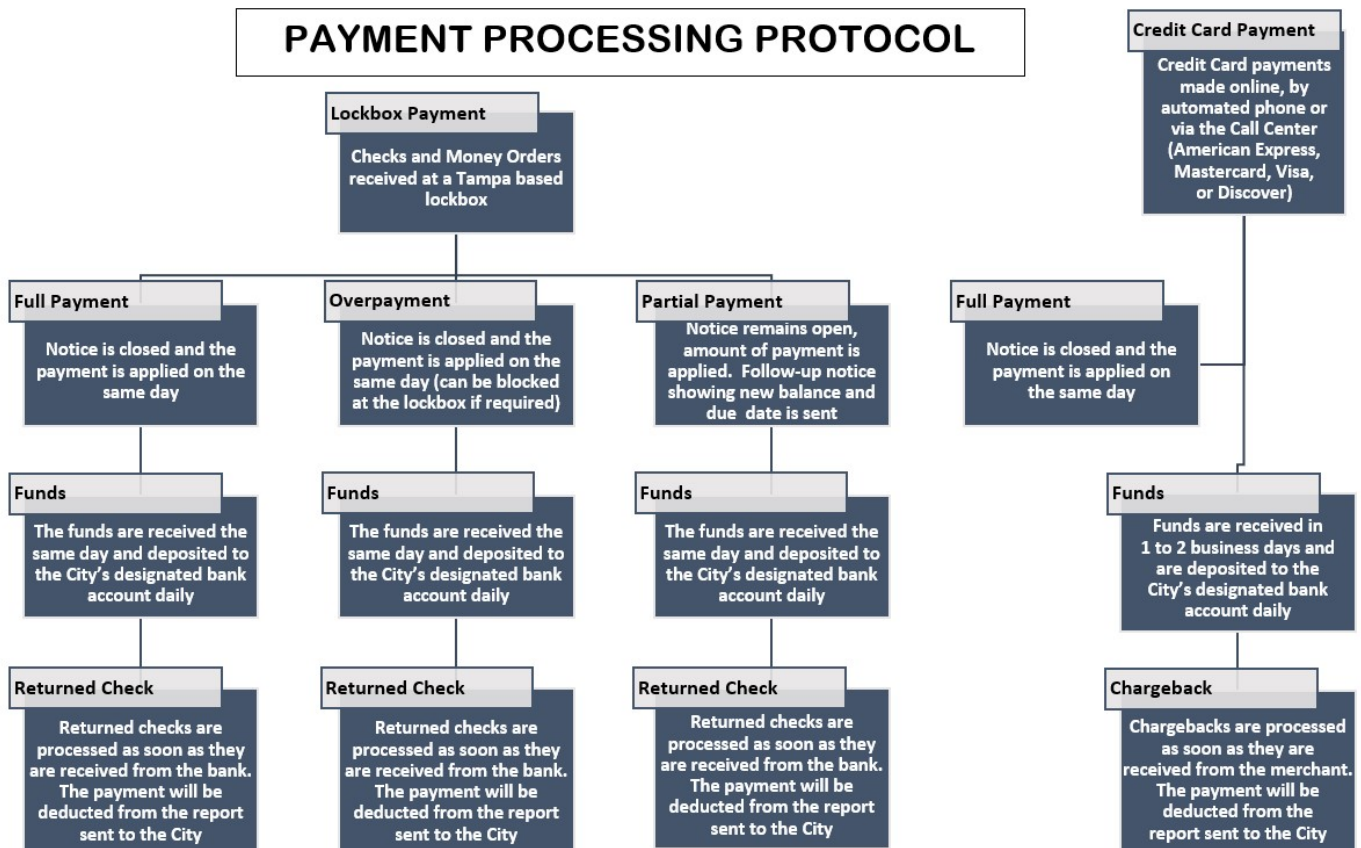
Additionally, violators have the option of utilizing the “Pay-by-Phone” function, allowing them to use the key pads on their phone to retrieve and pay their violation using a credit or debit card 24/7, 365 days a year.



**Payment Processing Summary**

RedSpeed finance personnel conduct daily reconciliations of all check and credit card payments received thru the Tampa based lockbox. Processes are in place to address any payment anomalies as detailed below.

Should the City desire to accept cash payments through a municipal outlet (City Hall for example) RedSpeed will activate a Cash Payment button that clerks can utilize to apply the payment and close the violation. There is no need for courier service, as RedSpeed never receives the cash. RedCheck updates the violation record to reflect paid and closed, and the Payment Detail Report reflects receipt of the cash payment.



## 2.14 Collection Services

If desired, RedSpeed can provide the City with third-party collection support. Northwest Collectors is headquartered in Illinois and has a long-standing relationship with RedSpeed thru provision of collection support for RedSpeed's Illinois red-light camera municipal clients.

### **Northwest Collectors Inc.**

**NCI<sub>inc.</sub>**

Northwest Collectors Inc.  
3601 Algonquin Road, Suite 232  
Rolling Meadows, IL 60008  
800.635.8943  
866.259-8269 Fax

NCI, an Illinois based licensed & bonded full-service accounts receivable management & recovery organization serving the credit community since 1970. NCI was formed with the belief that a need existed for a competent and responsible organization to accommodate the collection needs of the credit community in an efficient and ethical manner on both the local and national levels.

#### NCI...A Full-Service Agency.

- Professional treatment of every account by experienced telephone collectors,
- Interactive voice response module system and predictive dialer,
- Worldwide representation through membership in the American Collectors Association,
- Monthly computerized remittance and statistical analysis reports programmed to your requirements
- Third party payment processing
- On site tape, FTP, T1 and diskette capabilities for conversions, reports and referrals
- Online 24/7 payment processing at [www.EPAYMYACCOUNT.com](http://www.EPAYMYACCOUNT.com)
- Licensed to conduct collection activities in 14 States including Florida and Texas.

NCI is well attuned to the needs and demands of the credit community. Dedicated to providing a complete collection package, maximum net return at reasonable fees, without violating the rights and privileges of the customer, makes NCI your logical choice!

## 2.15 Merchant Processor

RedSpeed agrees to give first consideration to utilizing the City's current gateway and merchant processor, and agrees to utilize the City's current banking services for receipting.

## **Section 3**

# **Statistical Analysis and Reporting Systems**

**Statistical Analysis and Reporting Systems**

The RedCheck™ Violation Processing and Document Management System includes numerous pre-configured reports to provide municipal clients with detailed statistics pertaining to all aspects of their photo enforcement program. These reports have been designed based upon requests from existing clients and can certainly be customized to meet any specific requirements of the City. All reports are accessible online by authorized municipal users at any time.

**Analysis by Camera Report**

**Analysis by Camera Report for 2018 year**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE
<b>Aurora (C)</b>	<b>2,029</b>	<b>1,152</b>	<b>1,678</b>	<b>1,674</b>	<b>1,884</b>	<b>1,789</b>	<b>1,686</b>	<b>2,222</b>	<b>2,524</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205</b>
E New York St & Commons Dr EB	134	69	56	112	125	77	56	71	134	0	0	0	93
E New York St & Commons Dr W/B	295	105	130	236	268	246	207	294	258	0	0	0	227
E New York St & N Eola Rd EB	206	70	199	117	199	233	178	223	358	0	0	0	198
E New York St & N Eola Rd W/B	374	357	390	405	306	354	441	583	640	0	0	0	428
E New York St & N Farnsworth Ave E	179	112	141	132	175	156	142	194	224	0	0	0	162
N Farnsworth Ave & Molitor Rd N/B	186	78	154	152	188	155	97	127	120	0	0	0	140
N Farnsworth Ave & Molitor Rd S/B	251	159	248	175	237	196	195	226	266	0	0	0	217
Ogden Ave & S Eola RD EB	262	139	259	258	305	272	278	374	405	0	0	0	284
Ogden Ave & S Eola RD W/B	142	63	101	87	81	100	92	130	119	0	0	0	102
<b>Total</b>	<b>2,029</b>	<b>1,152</b>	<b>1,678</b>	<b>1,674</b>	<b>1,884</b>	<b>1,789</b>	<b>1,686</b>	<b>2,222</b>	<b>2,524</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,638</b>

**Location Performance by Site Report**

**Village of Rosemont**

**Location Performance Summary Report**

From Violation Date: 02/01/2017 To Violation Date: 02/28/2017

Location	A	B	C	D	E	F	G	H	I	J
	Violation Events	(C+D+E) Violation Event Rejections	Non-Violations	Non-Controllable Rejections	Controllable Rejections	Violation Events Still In Workflow	(A-B-F) Citations Issued	(G/(G+E)) Issuance Rate	(B/A) Rejection Percentage	(E/A) Controllable Rejection Percentage
RIVER & BALMORAL	289	43	37	2	4	0	246	85.00%	15.00%	10.00%
RIVER & BRYN MAWR	1,606	225	191	22	11	0	1,381	86.00%	14.00%	5.00%
RIVER & DEVON NB	1,025	103	82	15	5	0	923	90.00%	10.00%	5.00%
RIVER & HIGGINS E	6,364	573	430	29	143	0	5,791	91.00%	9.00%	25.00%
RIVER & HIGGINS N	5,623	787	527	79	102	0	4,836	86.00%	14.00%	13.00%
	<b>14,907</b>	<b>1,731</b>	<b>13,025</b>	<b>147</b>	<b>266</b>	<b>0</b>	<b>13,176</b>	<b>87.60%</b>	<b>12.40%</b>	<b>11.60%</b>



**Traffic Count and Speed Analysis**

**Tuttle Ave & Bahia Vista St S/B**

Information	Live Camera View	Daily Log	Monthly Maintenance Log	Speed Report	Traffic Count Report	Support	Settings
-------------	------------------	-----------	-------------------------	--------------	----------------------	---------	----------

Posted Speed Limit (mph):	0	Date Range	
Amber Phase Time (seconds):	4	6/8/2018	6/15/2018
Average Vehicle Speed (mph):	24.8	Apply	

Date / Speed Range (mph)	< to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to >
6/8/2018	1,633	2,156	2,540	1,724	678	412	76	198
6/9/2018	1,611	1,800	1,572	1,205	609	281	159	210
6/10/2018	1,312	1,243	1,054	744	663	512	60	64
6/11/2018	1,698	2,182	3,006	1,453	848	340	156	189
6/12/2018	1,726	2,306	2,229	2,241	464	365	256	254
6/13/2018	1,628	2,207	2,434	2,570	358	500	245	231
6/14/2018	1,738	2,147	3,003	1,240	960	491	209	81
6/15/2018	520	818	849	363	469	32	16	87
<b>Total</b>	<b>11,866</b>	<b>14,859</b>	<b>16,687</b>	<b>11,540</b>	<b>5,049</b>	<b>2,933</b>	<b>1,177</b>	<b>1,314</b>

**Tuttle Ave & Bahia Vista St S/B**

Information	Live Camera View	Daily Log	Monthly Maintenance Log	Speed Report	Traffic Count Report	Support	Settings
-------------	------------------	-----------	-------------------------	--------------	----------------------	---------	----------

Average Daily Traffic Count by Lane (#):	2725	Date Range	
Total Traffic Count (#):	65425	6/8/2018	6/15/2018
Apply			

Date	Lane 1	Lane 2	Lane 3	Lane 4	Total
6/8/2018	1,280	4,723	3,414		9,417
6/9/2018	965	3,650	2,832		7,447
6/10/2018	765	2,706	2,181		5,652
6/11/2018	1,379	5,086	3,407		9,872
6/12/2018	1,297	5,040	3,504		9,841
6/13/2018	1,382	5,361	3,430		10,173
6/14/2018	1,393	4,907	3,569		9,869
6/15/2018	367	1,704	1,083		3,154
<b>Total</b>	<b>8,828</b>	<b>33,177</b>	<b>23,420</b>	<b>0</b>	<b>65,425</b>

## Payment by Camera Location

RedSpeed® Florida, LLC

2099 Adams Ln  
 Sarasota, FL 34237

### Payment By Camera Location

Submission Criteria

Sort by: LOCATION Regular Snip In Collections: ALL

From Date: 08/01/2018

To Date: 08/31/2018

Violation Type: ALL

Payment Status: All Payments

Transaction Date	Status	User Id	Payment Channel	Payment Type	Terminal Number	Notice Number	Applied Date	Applied Amount
08/30/2018	Applied	SYSTEM	Lockbox	Paper Check	1371000002017	2010200002039168	08/30/2018	\$158.00
08/30/2018	Applied	SYSTEM	Lockbox	Paper Check	1371000002017	2010200002707294	08/30/2018	\$158.00
08/31/2018	Applied	SYSTEM	Web	Credit Card	Q38058-35	2010200002779947	08/31/2018	\$158.00
08/31/2018	Applied	SYSTEM	Web	Credit Card	Q38058-35	2010200002208225	08/31/2018	\$158.00
08/31/2018	Applied	SYSTEM	Web	Credit Card	Q38058-35	2010200001982826	08/31/2018	\$158.00

**Washington Blvd & Fruitville Rd N/B** **128** **\$20224.00**

**Total Transactions: 966 Total Amount: \$152593.27**

## Violation Status by Location

RedSpeed® Florida, LLC

VIOLATION STATUS BY LOCATION (based on violation date)

Date: 08/01/2018 - 08/31/2018

LOCATION	WORKING VIOLATIONS	POLICE REVIEW QUEUE	DISMISSED	NOV	PAID	ADMIN. HEARING	FINAL ADMIN ORDER	REGISTRATION HOLD	UTC ELIGIBLE	UTC
Tuttle Ave & Bahia Vista St S/B	82		503	65	32	1			1	
Bahia Vista St & S Tuttle Ave E/B	52		157	44	22				1	
Tuttle Ave & Bahia Vista St N/B	90		270	84	38	1				
Beneva Rd & Fruitville Rd S/B	49		178	42	18				1	
Tuttle Ave & Fruitville Rd S/B	403		421	342	188	4	2		6	
Fruitville Rd & N Tuttle Ave W/B	174		810	117	68					
Lockwood Ridge Rd & Fruitville S/B	110		1139	59	29				3	
Fruitville & N Lockwood Ridge W/B	7		73	6	1				1	
Fruitville & N Lockwood Ridge E/B	58		132	52	30				1	
Tamiami Trail & University Pkwy N/B	169		1181	34	10				1	
Tamiami Trail & University Pkwy S/B	166		321	143	57				4	
Tamiami Trail & Bee Ridge Rd N/B	70		231	62	34	1			1	
Tamiami Trail & Bee Ridge Rd S/B	361		449	300	175	2			3	
Bee Ridge Rd & Tamiami Trail W/B	29		118	28	18					
Tamiami Trail & Bahia Vista St N/B	79		262	74	32				1	
Tamiami Trail & Bahia Vista St S/B	137		262	124	64				3	
Washington Blvd & Fruitville Rd N/B	189		374	151	73				2	
Fruitville & N Washington Blvd E/B	205		588	177	93	2	1		5	
Washington Blvd & 17th St S/B	139		1281	34	14					
Tamiami Trail & Siesta Dr N/B	248		2191	48	17				1	
	<b>2817</b>		<b>10941</b>	<b>1986</b>	<b>1013</b>	<b>11</b>	<b>3</b>		<b>35</b>	

**Violation Issuance / Status by Location**

**RedSpeed® Florida,LLC**

**VIOLATION STATUS SNAPSHOT**

LOCATION	POLICE REVIEW	DISMISSED	NOV	PAID	ADMIN. HEARING	FINAL ADMIN ORDER	REGISTRATIO N HOLD	UTC ELIGIBLE	UTC
Tamiami Trail & Bahia Vista St S/B	41	688	153	171				17	
Fruitville & N Washington Blvd E/B	85	2518	230	283	1	1		26	
Tuttle Ave & Bahia Vista St S/B	6	2665	93	296		3		60	
Fruitville & N Lockwood Ridge W/B	2	256	11	10				2	
Tamiami Trail & Bahia Vista St N/B	36	752	102	129				21	
Bahia Vista St & S Tuttle Ave E/B	18	780	61	181		2		22	
Tuttle Ave & Bahia Vista St N/B	16	1435	97	301	1	3		60	
Fruitville Rd & N Tuttle Ave W/B	55	1827	142	151				18	
Tamiami Trail & Siesta Dr N/B	21	5285	66	57				10	
Lockwood Ridge Rd & Fruitville S/B	22	2914	62	73				23	
Fruitville & N Lockwood Ridge E/B	30	476	60	93				9	
Tamiami Trail & Bee Ridge Rd N/B	17	514	62	74	1			4	
Bee Ridge Rd & Tamiami Trail W/B	9	561	35	81				9	
Tamiami Trail & University Pkwy S/B	58	787	212	139	1			29	
Tamiami Trail & Bee Ridge Rd S/B	135	1093	339	445	2	1		43	
Beneva Rd & Fruitville Rd S/B	16	604	57	49				3	
Tuttle Ave & Fruitville Rd S/B	164	1189	324	514	1	1		79	
Washington Blvd & 17th St S/B	14	6412	60	86				30	
Tamiami Trail & University Pkwy N/B	15	3183	69	39				6	
Washington Blvd & Fruitville Rd N/B	25	1590	173	395	1	1		81	
	<b>785</b>	<b>35529</b>	<b>2408</b>	<b>3567</b>	<b>8</b>	<b>12</b>		<b>552</b>	

**Reject Detail Report**

**Reject Detail Report**

11/7/2018 11:08:46AM

<b>Aurora (C)</b>	<b>32,576</b>
<b>E New York St &amp; Commons Dr E/B</b>	<b>748</b>
<b>Rejected By Police</b>	<b>314</b>
License Plate Not Found	8
Warning Notice	4
Inconclusive	21
Safe Turn on Red	281



**Officer Approval Report**

**RedSpeed® Florida,LLC**

CORAL GABLES  
 2801 Salredo St  
 Coral Gables, FL 33134

**Officer Approval Report**

Submission Criteria

**From Action Date:** 08/01/2018

**To Action Date:** 08/31/2018

**Violation Type:** ALL VIOLATION TYPES

Officer	Violations Reviewed # of Violations	Violations Approved # of Accepted	Violations Rejected # of Rejected	% Approved
	0	0	0	0.000
	0	0	0	0.000
	0	0	0	0.000
	0	0	0	0.000
	0	0	0	0.000
	0	0	0	0.000
	0	0	0	0.000
	0	0	0	0.000
	984	694	290	70.528
	0	0	0	0.000
	0	0	0	0.000
	0	0	0	0.000
	1	0	1	0.000
	0	0	0	0.000
<b>Totals:</b>	<b>985</b>	<b>694</b>	<b>291</b>	<b>70.457</b>

Rejection Factors	Count
ADMINISTRATIVE DECISION	26
DMV - NO MATCHES OR RECORDS	6
SLOW ROLL - RIGHT TURN	258

## Payment Detail Report

RedSpeed® Florida, LLC

From Date: 10/01/2018 To Date: 10/01/2018

Client	Notice Number	Name	Violation Date	Trans Date	Payment Method	Payment Type	Deposit Date	Payment Amount	Service Fee	Payment Status	General Revenue Fund	Health Administration Fund	Brain and Spinal Fund	Location Code	Location Intersection	Payment Rank ID	Payment Applied to Fine	Payment Applied to Fee	Escrow
Florida, Sarasota	2010200002962993		07/27/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0018	Tamiami Trail & Bee Ridge Rd S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002711118		08/08/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0023	Fruitville & N Washington Blvd E/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200003129782		09/12/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0006	Tuttle Ave & Bahia Vista St S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002944607		07/06/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0010	Tuttle Ave & Fruitville Rd S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002584668		07/26/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0018	Tamiami Trail & University Pkwy S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002253185		07/04/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0016	Tamiami Trail & University Pkwy S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002963359		07/27/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0020	Tamiami Trail & Bahia Vista St N/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002250602		07/26/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0023	Fruitville & N Washington Blvd E/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002978321		08/30/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0010	Tuttle Ave & Fruitville Rd S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002852420		08/20/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0021	Tamiami Trail & Bahia Vista St S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002255572		07/27/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0021	Tamiami Trail & Bahia Vista St S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200003134883		09/12/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0010	Tuttle Ave & Fruitville Rd S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002383482		07/13/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0014	Fruitville & N Lockwood Ridge E/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002889285		08/23/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0010	Tuttle Ave & Fruitville Rd S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002979698		08/30/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0022	Washington Blvd & Fruitville Rd N/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002801814		08/18/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0014	Fruitville & N Lockwood Ridge E/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002548581		07/26/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0019	Bee Ridge Rd & Tamiami Trail W/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002779670		08/14/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0010	Tuttle Ave & Fruitville Rd S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002981099		08/30/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0018	Tamiami Trail & Bee Ridge Rd S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002572129		07/28/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0011	Fruitville Rd & N Tuttle Ave W/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002524204		07/24/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0024	Washington Blvd & 17th St S/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002578678		07/28/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0025	Tamiami Trail & Siesta Dr N/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002578844		07/28/2018	10/01/2018	Telephone	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0020	Tamiami Trail & Bahia Vista St N/B	1	\$158.00	\$0.00	\$0.00
Florida, Sarasota	2010200002944019		08/27/2018	10/01/2018	Web	Credit Card	10/01/2018	\$158.00	\$7.90	Applied	\$70.00	\$10.00	\$3.00	RSFL0010	Tuttle Ave & Fruitville Rd S/B	1	\$158.00	\$0.00	\$0.00

Escrow	\$0.00
Hearings	\$0.00
City	\$9000.00
State	\$9960.00
<b>Total</b>	<b>\$18960.00</b>

10/18/2018 04:01 PM

Page 1 of 5

## Review Overpayments and Underpayments

RedSpeed® Florida, LLC

2099 Adams Ln  
Sarasota, FL 34237

### Review Overpayments and Underpayments

Submission Criteria

From Date: 04/01/2019

To Date: 04/07/2019

Violation Type: ALL

In Collections: ALL

Payment Status: All Payments

#### Overpayment

Payment Date	Payment Channel	Payment Type	Terminal Number	Notice Number	Applied Date	Balance Before Payment	Received Amount	Return	Payment Received on Status
04/01/2019	Lockbox	Paper Check	1371000002017	2010200002977509	04/01/2019	-\$265.00	\$158.00	\$423.00	Uniform Traffic Citation
04/01/2019	Lockbox	Paper Check	1371000002017	2010200003605099	04/01/2019	\$0.00	\$158.00	\$158.00	Uniform Traffic Citation
04/01/2019	Lockbox	Paper Check	1371000002017	2010200005075406	04/01/2019	\$158.00	\$159.00	\$1.00	Notice Of Violation

**Hearing Schedule and Decision Report**

RedSpeed® Florida, LLC

2099 Adams Ln  
 Sarasota, FL 34237

**Hearing Schedule**

Rectangular Snip

Submission Criteria

**From Hearing Date:** 09/01/2018    **To Hearing Date:** 09/30/2018

Rectangular Snip

**Hearing Type:** HEARING

**Hearing Location:** Sarasota City Hall, Annex Building 1st Floor, 1565 1st Street

**Hearing Date:** Thursday, September 6, 2018 03:30 PM

Notice Number	Defendant	Officer Name	Disposition	Reason	Fine Amount	Court Fee	Total Due	Due Date	Notes
2010200001300206		Y OFC. JOHN LAKE	PAID	NO DEFENSE	\$158.00	\$0.00	\$158.00	12/14/2018	
2010200001773213		MICHELLE RINACA	PAID	GENERAL DENIAL	\$158.00	\$50.00	\$208.00	10/06/2018	
2010200002113112		CLIFFORD CESPEDES	PAID	GENERAL DENIAL	\$158.00	\$50.00	\$208.00	12/06/2018	
2010200002547886		MICHELLE RINACA	PAID	GENERAL DENIAL	\$158.00	\$0.00	\$158.00	12/06/2018	
2010200002257485		CLIFFORD CESPEDES	PAID	GENERAL DENIAL	\$158.00	\$0.00	\$158.00	12/06/2018	
2010200002464741		MICHELLE RINACA	UPHELD	GENERAL DENIAL	\$158.00	\$0.00	\$158.00	12/07/2018	
2010200001731955		OFC. DAVID KENNEDY	UPHELD	GENERAL DENIAL	\$158.00	\$0.00	\$158.00	12/07/2018	
2010200002159705		CLIFFORD CESPEDES	UPHELD	GENERAL DENIAL	\$158.00	\$0.00	\$158.00	12/07/2018	

**Upheld: 3      Dismissed: 0      Paid: 5      Total: 8**

**Hearing Date:** Thursday, September 20, 2018 03:30 PM

Notice Number	Defendant	Officer Name	Disposition	Reason	Fine Amount	Court Fee	Total Due	Due Date	Notes
2010200002448225		CLIFFORD CESPEDES	PAID	GENERAL DENIAL	\$158.00	\$0.00	\$158.00	10/27/2018	
2010200001737922		MICHELLE RINACA	UPHELD	NO DEFENSE	\$158.00	\$50.00	\$208.00	10/27/2018	

**Upheld: 1      Dismissed: 0      Paid: 1      Total: 2**

**Upheld: 4      Dismissed: 0      Paid: 6      Grand Total: 10**



**Equipment Operation Tracking**

**Operational Site Fault Tracker**

	Site ID #	3/1	3/2	3/3	3/4	3/5	3/6	3/7	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19	3/20
<b>Deer Park</b>																					
Rand & Deer Park N	1108	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Rand & Deer Park E	1154	x <sup>13</sup>	x <sup>13</sup>	x <sup>13</sup>	x <sup>13</sup>	x <sup>13</sup>	x <sup>13</sup>	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Business Credit/Deduction																					
<b>Des Plaines</b>																					
Golf & Rand W	1010	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Golf & Rand E	1090	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Business Credit/Deduction																					
<b>Dolton</b>																					
Lincoln & 142nd E	1037	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x <sup>13</sup>	x <sup>11</sup>	x	x
Sibley & Lincoln W	1044	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Sibley & Lincoln E	1056	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x7	x7	x7
Business Credit/Deduction																					

x <sup>1</sup>	Zoom Problem	x <sup>8</sup>	Rain or snow on camera lens - all violations rejected
x <sup>2</sup>	Flash Glare Problem	x <sup>9</sup>	No Download for this day
x <sup>3</sup>	No Video Clips - high percentage of violations rejected	x <sup>10</sup>	Camera down due to street repairs
x <sup>4</sup>	No Video Clips - all violations rejected	x <sup>11</sup>	Power Failure/Communications Problem
x <sup>5</sup>	Night Time Video/Images - blurry, too dark or unclear	x <sup>12</sup>	Server down
x <sup>6</sup>	System Calibration - all violations rejected	x <sup>13</sup>	Uncontrollable Cond/Tree branch, weather
x7	Sensor Issues		Site Suspended
		\$	LED Deduction
		\$	Hearing Credit
		\$	Misc Credit

**Municipality Repeat Offenders**

**Repeat Offenders by Village of Wayne**

Printed at 04/25/2017  
04:35 PM

Total Offenders: **86**  
Total Violations: **\$17,050.00**



ASTRO TECH						Violations: 11. Amount: \$2,200.00			
Violation #	VIN	License Plate	State	Owner Address	Offense Location	Offense Date & Time	Amount Due	Date Submitted for Collection	
			IL		VILLAGE OF VILLA PARK IL83 & RIVERSIDE E	07/04/2015 07:25:48 PM	\$200.00	December 15, 2015	
			IL		VILLAGE OF VILLA PARK IL83 & RIVERSIDE S	01/09/2015 07:55:28 PM	\$200.00	June 15, 2015	
			IL		CITY OF ROLLING MEADOWS ALGONQUIN & RT.53 RAMP S	06/22/2015 12:25:34 AM	\$200.00	December 15, 2015	
			IL		VILLAGE OF RIVER GROVE GRAND & RIVER S	03/29/2015 03:04:48 AM	\$200.00	September 16, 2015	
			IL		VILLAGE OF BENSENVILLE YORK & GREEN W	07/04/2014 04:55:00 AM	\$200.00	November 17, 2014	
			IL		VILLAGE OF VILLA PARK IL83 & RIVERSIDE S	07/04/2015 07:22:40 PM	\$200.00	December 15, 2015	
			IL		VILLAGE OF VILLA PARK IL83 & RIVERSIDE S	10/19/2014 09:48:19 PM	\$200.00	March 16, 2015	
			IL		CITY OF ROLLING MEADOWS ALGONQUIN & RT.53 RAMP S	05/14/2014 12:27:23 AM	\$200.00	October 15, 2014	
			IL		CITY OF ROLLING MEADOWS ALGONQUIN & RT.53 RAMP S	03/27/2015 01:15:02 AM	\$200.00	September 16, 2015	
			IL		VILLAGE OF BELLWOOD MANNHEIM & STCHARLES S	06/21/2015 04:00:32 AM	\$200.00	November 16, 2015	
			IL		VILLAGE OF WAYNE IL59 & SMITH	05/09/2015 11:54:48 AM	\$200.00	October 15, 2015	

FAR***UI, SHAMS U						Violations: 5. Amount: \$1,000.00			
Violation #	VIN	License Plate	State	Owner Address	Offense Location	Offense Date & Time	Amount Due	Date Submitted for Collection	
			IL		VILLAGE OF WAYNE IL59 & SMITH	10/07/2010 08:32:40 AM	\$200.00	February 15, 2011	
			IL		VILLAGE OF WAYNE IL59 & SMITH	07/19/2010 07:38:36 AM	\$200.00	November 15, 2010	
			IL		CITY OF WEST CHICAGO	09/18/2009 09:07:29 AM	\$200.00	January 15, 2010	

## MELROSE PARK (V) PHOTO ENFORCEMENT PROGRAM DASHBOARD: MARCH, 2017

Print time: 04/10/2017, 02:35 PM

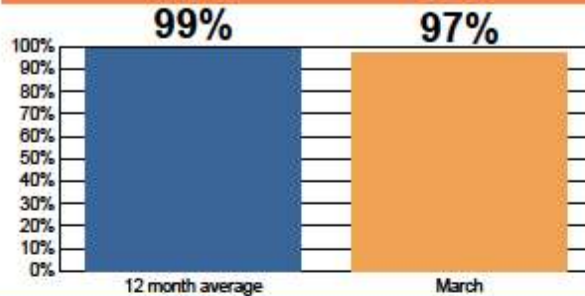
Page 1 of 3

### PROGRAM SUMMARY

# of Citations issued	723
# of Payments processed *	830
\$ Amount collected *	\$84,575

\* Includes Partial and NSF payments

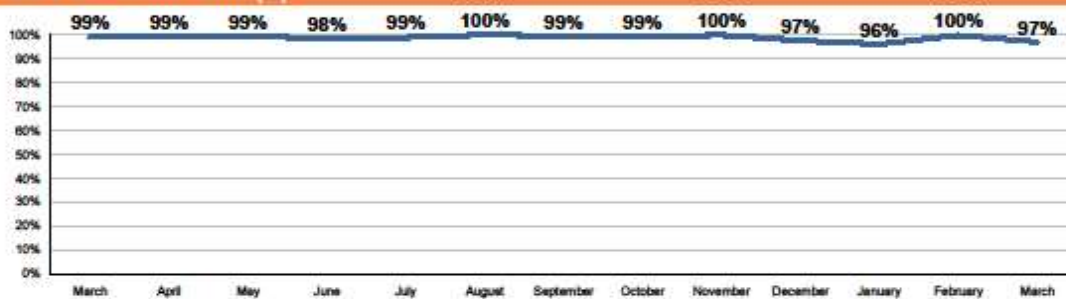
### POLICE APPROVAL AVERAGE vs MARCH, 2017



### ADJUDICATION

	Liabe	Not Liabe
Contest by Mail	28	12
In-Person Hearing	9	3
<b>Total</b>	<b>37</b>	<b>15</b>

### POLICE APPROVAL RATE (%)



### CITATION ISSUANCE (#)



### FUNDS COLLECTED (\$)

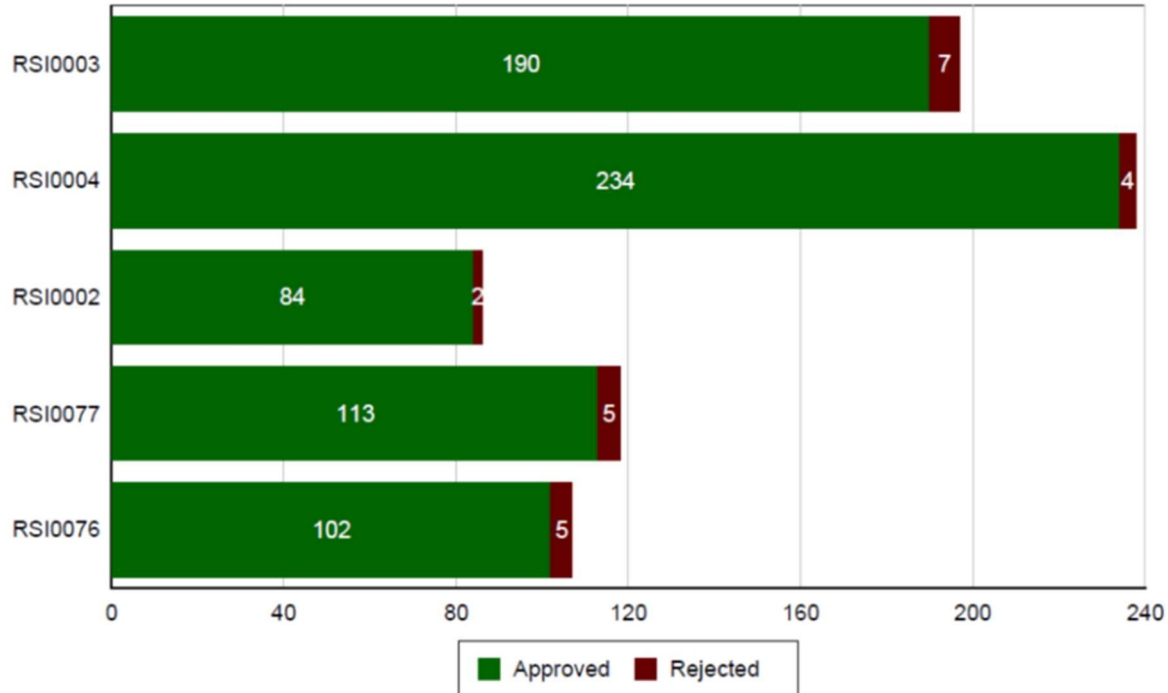


MELROSE PARK (V) PHOTO ENFORCEMENT PROGRAM DASHBOARD: MARCH, 2017

Print time: 04/10/2017, 02:38 PM

Page 3 of 3

SITE DETAIL

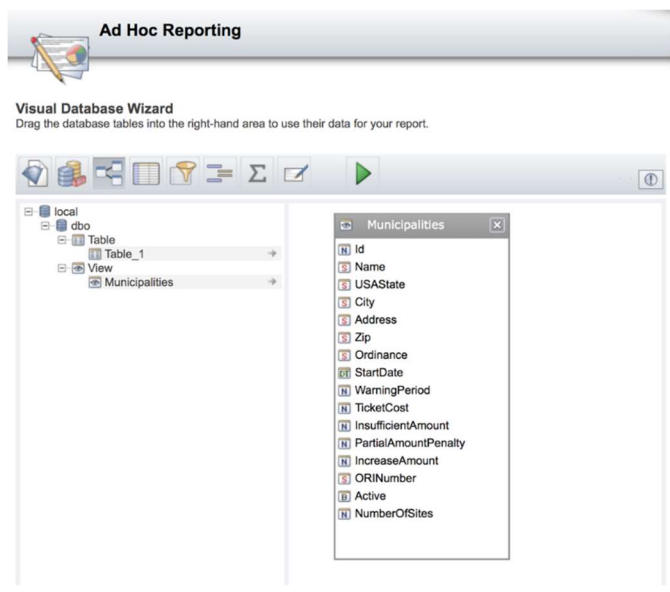
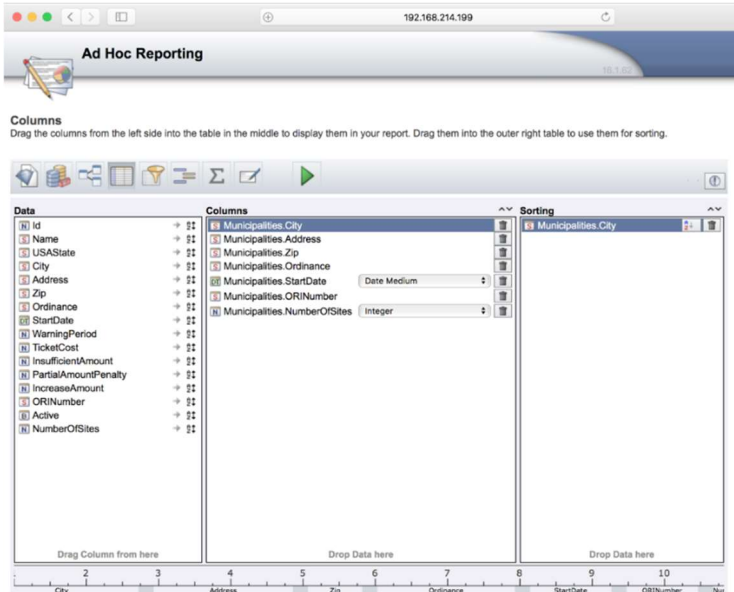


Site Code	Site Name	Reviewed	Approved	%
RSI0003	5TH & NORTH AVE E	197	190	96%
RSI0004	5TH & NORTH AVE W	238	234	98%
RSI0002	9TH AVE & NORTH AVE E	86	84	98%
RSI0077	MANNHEIM & LAKE E	118	113	96%
RSI0076	MANNHEIM & LAKE N	107	102	95%
<b>Total</b>		<b>746</b>	<b>723</b>	<b>97%</b>



**Ad Hoc Reports**

The ability to generate ad hoc reports is available in addition to the pre-designed reports available thru RedSpeed's proprietary RedCheck violation processing software. Authorized municipal users have the ability to establish data parameters, exporting the information into pre-selected chart, graph or table formats.



## **Section 4**

# **Image Transmission, Security and Data Storage**

## 4.1 Data Security

From RedSpeed's inception, RedCheck™ back-office system was developed to maintain the highest levels of security. RedCheck™ and the systems that support the program are hosted at a state-of-the-art DuPont facility just outside Chicago which provides 24/7/ security staff, video surveillance and dual-factor authentication via biometric and proximity scanners to limit access to only authorized users.

RedSpeed recently completely overhauled its entire infrastructure to mirror the same system security software used by the US Military, DARPA, Raytheon and NASA. A wide range of technologies, including on-prem agent software, firewalls, security certificates, all report to a centralized intuitive system that automatically identifies and remediates outbreaks and threats via SaaS threat intelligence data identification. This multi-layered approach ensures the availability and integrity of the data as well as the system itself are fully protected.

All incoming network connections are scanned by enterprise level Next-Gen Intrusion Prevention System (NGIPS) Cisco firewalls with Cisco's FirePOWER AMP modules. All connections are filtered through a set of Access Control Lists (ACL's) and allowed protocols. RedSpeed's email system is protected by NGIPS using geofencing and Exchange 365 heuristic filters to only allow emails from the United states and anyone outside that region must be white listed. Malicious messages automatically get discarded when embedded code is detected by filters. All the NGIPS FirePOWER syslog node points (Cisco networking devices) and AMP agents report back to the latest security information and event management (**SIEM**) LogRhythm software. Outgoing user connections are monitored via Cisco Umbrella (formerly OpenDNS) SaaS DNS services for malicious activity and policy-based proxy filters which also report back to the SIEM for closer analysis.

The proprietary RedCheck™ and SiteOps™ web sites are protected with SSL security certificates to provide authorization and authentication services to users. All data transfers are also encrypted to prevent data snooping. Each authorized user has a unique login and a complex password comprised of a minimum of 7 characters. During log-in, all users are validated against a Kerberos secured Microsoft Active Directory database.

User account access is also defined thru permissions applied using role-based templates. Each user has a specific set of roles that will allow them to perform limited actions. If the user's account has not been granted access to a specific role, the user will not be able to perform that function. This prevents users from gaining access not previously authorized or applied. Additionally, all user activities are audited within a Microsoft SQL Database and the SIEM with logs retained and backed up at another site using VEEAM multi-site replication backups per CJIS policy for data retention.

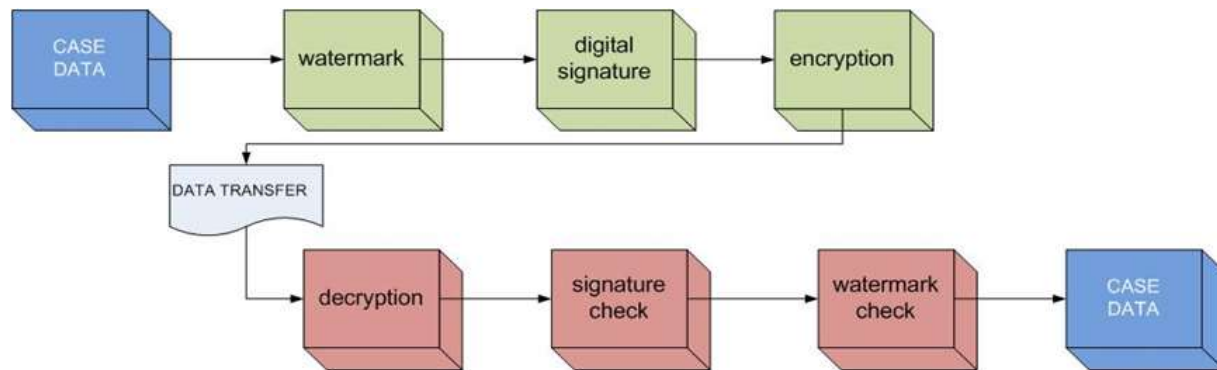


The reliability and speed of the RedCheck™ system is never in question, as the data backup, disk redundancy, and network speed have been optimized for multiple connections. A fully managed fiber-optic internet connection into the facility allows for hundreds of concurrent connections to access the live database without any decrease in performance. This would also include a full copper redundancy back up line. Our server cluster provides reliability and a high percentage of available uptime. This type of network configuration will guard against loss of data entry and information integrity degradation.



Unlike many vendors who rely on antiquated magnetic tapes for storage, these purged images and video are stored digitally on a full secondary back up system, as well as being stored in the cloud. This data can be easily accessed on request of the municipality. All data can be sorted and organized into relevant reports.

The RedCheck™ system secures the integrity of violation data by using a combination of digital signature, Public Key Cryptography Infrastructure (PKI), and Virtual Private Network (VPN) technology. Each violation is assigned a unique digital signature before being encrypted. Using PKI requires a pair of keys to successfully decrypt and import the violation. One half of the key resides in our data center and the other half resides inside the camera system. Both keys must match exactly for the violation data to be decrypted and the digital signature verified. If one part of the process does not match, the violation will not be imported. While PKI protects the violation data, the VPN protects the data transfer to RedSpeed’s back office. The VPN uses many high levels of encryption to ensure no tampering has occurred during transmission as demonstrated in the following flow chart:



A secure room has been established to allow access to the Nlets database. Equipped with computer terminals running on a system completely independent of main system servers, a limited number of authorized users who have passed stringent security checks and finger printing are able to access Nlets information. Requiring a unique access pass card which is restricted to only business hours Monday thru Friday, users are monitored by security cameras while using the terminals in securely controlled spaces remotely.

RedSpeed further safeguards the security of the RedCheck system and violation data by maintaining high levels of security at the Lombard headquarters and processing facility. Employees are assigned access scan cards which allow them to enter the building thru two specific entrances monitored by external card reader entry systems. As a result, Management is able to track the time and date any individual has entered or departed the facility. Within the building access to specific departments, such as the printing and mailing department, is available only to authorized users during specific times of day.

RedSpeed has also augmented its staff to include 365 24/7 NOC (also FBI background cleared) for monitoring and remediation to ensure that our systems are always running. This incorporates the latest monitoring software of all nodes by SolarWinds Orion and LogRhythm for event notifications.

**4.2 Data Archival**

RedSpeed will securely archive all enforceable violation data (still images, video clip, notice copies, correspondence) related to individual violations for no less than five years after the final disposition of a case and the period required under the Florida Government Record Retention Schedule.

**4.4 Chain of Evidence – Hearing Support**

RedSpeed’s RedCheck Violation Processing Software provides comprehensive evidence packages with a single click. Municipal users no longer need to retrieve violations and painstakingly download each of the required items individually. Users may select individual violations, or all cases scheduled for a specific hearing date.

Hearing Date	Violation #	Violator Name	Requested By	Requested Date	Evidence Package	Reschedule Hearing	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002966186	GINEAN MARIE RAPP	francisco.bueno	10/09/2018 10:04 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002772070	ORONDE ANTHONY VASSELL	francisco.bueno	10/09/2018 10:01 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002522554	IDA RAQUEL RODRIGUEZ	francisco.bueno	10/10/2018 10:49 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002543187	JOYCE ANN DAVANZO	francisco.bueno	10/16/2018 07:01 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002634157	JUAN G PEREZ	francisco.bueno	10/02/2018 01:06 PM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002677897	ALBERTO WILLIAM VAN DER MEJE	francisco.bueno	10/02/2018 08:25 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002685067	ALBERTO WILLIAM VAN DER MEJE	francisco.bueno	10/02/2018 08:24 AM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002466749	JEAN M NAUJELIS	francisco.bueno	10/17/2018 01:17 PM	Ready	
<input type="checkbox"/>	11/08/2018 03:30 PM	2010200002476836	DORA KAY MORSE	francisco.bueno	10/17/2018 01:15 PM	Ready	
<input type="checkbox"/>	12/06/2018 03:30 PM	2010200002266251	MARSHA SPRAGUE ENGLAND	francisco.bueno	10/16/2018 11:55 AM	Ready	

The generated evidence package is comprised of all notices issued to the party, a complete violation history summary including date, action and operator, still and video images, and scanned copies of all correspondence and affidavits submitted by the individual. Once selected, the items are compiled into a zipped file which can be saved to either a computer or data stick.

Case History

Action	Date	User	Details
<a href="#">Evidence Package Ready</a>	09/28/2018 10:36 AM	SYSTEM	
<a href="#">Administrative Hearing</a>	09/28/2018 10:36 AM		
Administrative Hearing Scheduled	09/28/2018 07:42 AM		
<a href="#">2010100001987181_MARIANO.pdf</a>	09/28/2018 07:42 AM		
Secondary Review Approved	08/13/2018 09:12 AM		
<a href="#">Notice of Violation</a>	06/12/2018 01:02 PM		
Approve by Police	06/12/2018 10:42 AM		
Approve by Supervisor	06/11/2018 03:03 PM		
FLHSMV response received	06/11/2018 09:01 AM	system	
Wait for FLHSMV	06/08/2018 02:55 PM		
Approve by Operator	06/08/2018		

Page 1 of 1 (12 items) [1]

OK Add Document

Download Violation's Files

What kind of documents should be included?

- Images
- Video
- Notices
- Other Docs

OK Cancel

RedSpeed® RedCheck v. x 2000100000160922\_Evid... x

Secure | https://florida.redcheck.org/FileSpace/2017/12/27/RSFL0002/024756083/2000100000160922\_EvidencePackage\_20172912\_113312.pdf

2000100000160922\_EvidencePackage\_20172912\_113312.pdf 1 / 10

**City of Coral Gables**  
Intersection Safety Program  
PO Box 1371  
Bedford Park, IL 60499-1371

**CITY OF CORAL GABLES**  
**NOTICE OF VIOLATION**

Notice Number: 2000100000160922  
PIN Number: 1096

View your video and pay with your Visa or MasterCard at <https://secure.redlightviolations.com>

Amount Due: **\$158.00**  
Due Date: **01/27/2018**

CARPENTERSVILLE, IL, 60110-2406

DNV (Date)	AT TIME	AT LOCATION	COUNTY
12/27/2017	2:47 AM	US 1 Dixie Hwy & Granada Blvd SW	MIAMI-DADE

NAME: \_\_\_\_\_

STREET ADDRESS: \_\_\_\_\_

CITY: CARPENTERSVILLE STATE: IL ZIP CODE: 60110-2406

DID UNLAWFULLY  OPERATE/DRIVE  PARK

YEAR	MAKE	MODEL	STYLE	COLOR
2002	Volvo	S60	Sedan 4 Door	Blue

REGISTRATION NUMBER: \_\_\_\_\_

Did then and there commit the following offense:  
**FAILURE TO COMPLY WITH A STEADY RED SIGNAL**



**4.5 Responsible for Associated Hearing Costs**

RedSpeed assumes responsibility for providing all relevant video evidence relevant to red light violations issued by the program for presentation at in-person hearings. RedSpeed also agrees to provide, upon request with advance notice, a representative capable of providing expert testimony on the theory, operation and functional capabilities of the red-light camera system. Upon request, RedSpeed shall also work with City-identified individuals to educate them on all facets of the system, preparing them to provide expert testimony if necessary.



## **Section 5**

# **Maintenance, Support and Training**

**5.1 Maintenance Responsibilities**

RedSpeed understands and accepts that all maintenance activities necessary to ensure the effective and consistent operation of the photo enforcement equipment (inclusive of cameras, vehicle detection sensors and ancillary equipment) shall be the sole responsibility of RedSpeed. All costs associated with electricity or other related power sources necessary to operate the systems shall also be the sole responsibility of RedSpeed.

**5.2 Disaster Recovery Plan**

Recognizing that emergencies do not always occur during normal business hours, RedSpeed will establish a 24/7 engineering support hotline specifically for use by City of Miami Beach authorized personnel. This communication channel is available to address any service requests from a simple service disruption to a total system knockdown.

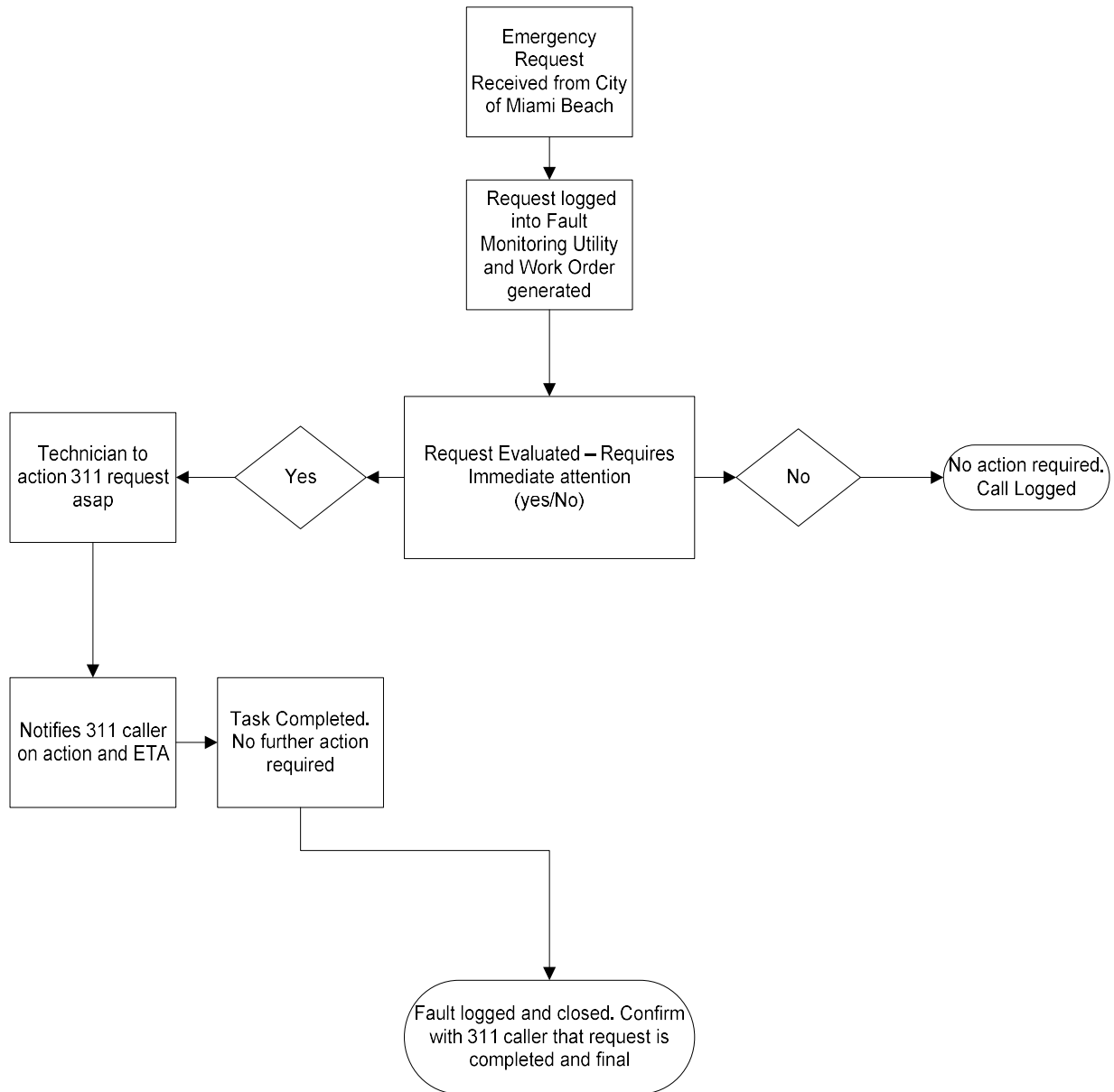
Since all systems are being continuously monitored via RedSpeed’s system monitoring utility, if a malfunction at an individual site is detected the on-call Field Services Engineer will immediately advise the appropriate City personnel of the incident and will advise the steps that will be taken to correct the situation.

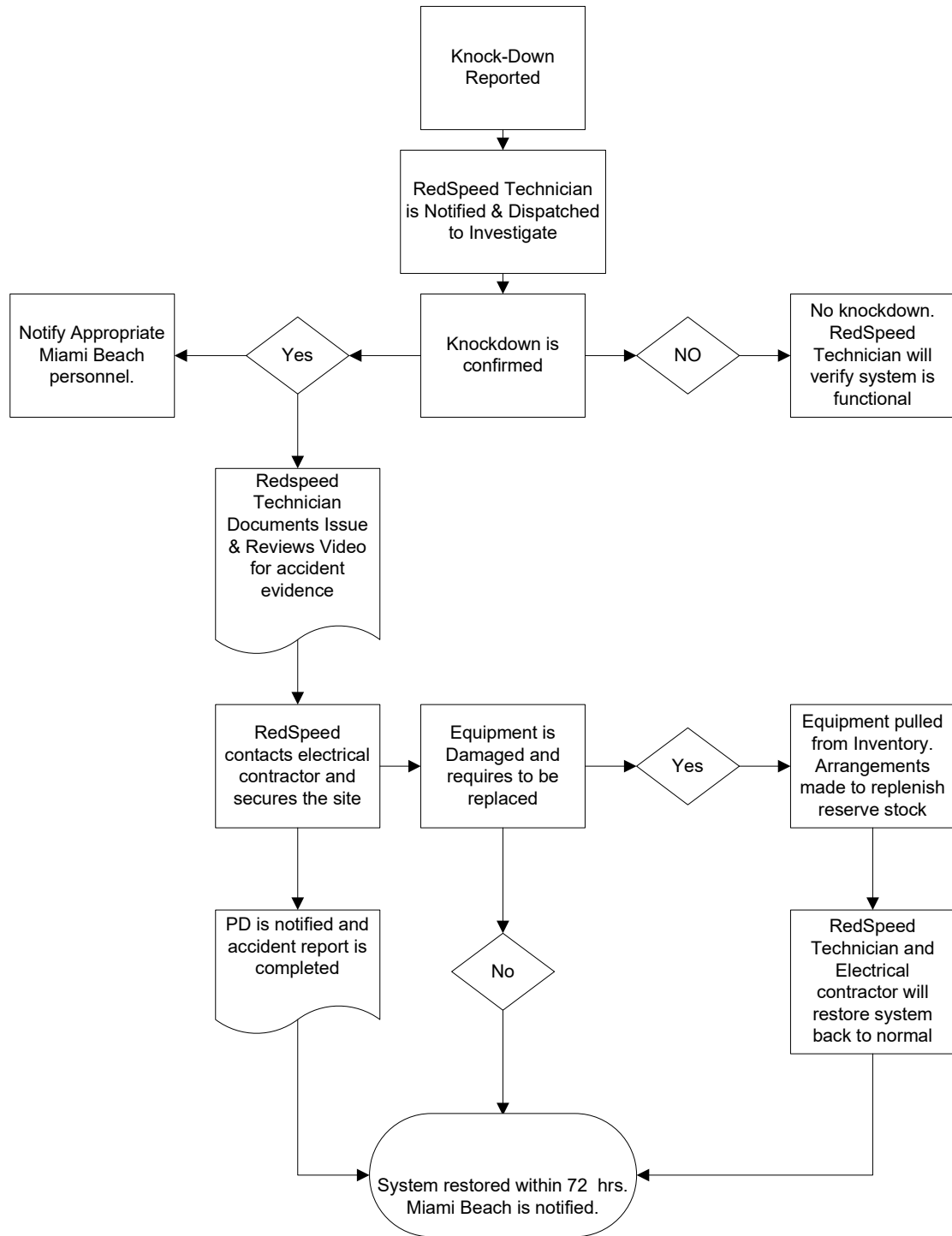
The table below identifies some common Client requests and RedSpeed’s committed response time.

PRIORITY REQUESTS	RESPONSE TIME
Knockdown – Make safe	During Normal Business Hours – 2 hours max After Hours – Within 4 hours
Knockdown – Repair & Reinstatement to full operational status	Within 72 hours
311 Requests- Managed ASAP	According to request (Urgent)
Routine Daily Maintenance Repairs	Within 2 – 8 hours
Disruption in service of any system malfunction	Within 24 Hours
Street cable replacement	Within 48 hours
Sign Replacement	Within 48 hours
Remove Graffiti and Touch-up Equipment	Within 48 hours

Emergency Response Flow Chart

Upon receiving the City’s call or email request, the on-call field engineer will take down the pertinent details and immediately document the request within the Fault Monitoring Utility to generate a work order. If the request is relative to the operation of a site, the field engineer will work to identify the source of the problem and determine if the problem can be corrected remotely. If a remote correction is an available option, the field engineer will take the necessary steps to restore the site’s functionality and advise the requesting party once the work is completed.







### 5.3 Maintenance Procedures

The maintenance and operation of RedSpeed enforcement equipment is paramount, and the staff is dedicated to providing all customers with prompt and professional service which results in swift problem resolutions. RedSpeed provides round the clock, 365 days per year on-call operators for prompt initial response.

We intend to safeguard the operational efficiency of the City's equipment through the use of daily operational checks, preventative maintenance schedules and proprietary site monitoring software. Drawing upon our years of experience, RedSpeed has designed a comprehensive and proven Maintenance and Support Program which will maximize the daily performance of each of the City's enforcement systems. The result will be continued issuance rates greater than 90% and system operational efficiency of 99%. In addition, the data collected thru the procedures and site monitoring software will provide valuable information to support the City's public education efforts.

RedSpeed's proposed program is comprised of three tiers:

- ✓ Preventative Maintenance,
- ✓ Daily Remote Monitoring and Response Maintenance
- ✓ Emergency Response.

It is RedSpeed's belief that a solid Preventative Maintenance Plan is critical to an enforcement program's success, allowing for the identification of potential problems before a malfunction (and subsequent downtime) can occur. These maintenance activities will be coordinated by RedSpeed's Field Services Engineering Manager and performed by RedSpeed field engineers during every site visit. A detailed rotation schedule ensures that every site is visited **a minimum of one time per month** by trained RedSpeed engineers.

#### **Visual Mechanical Inspection conducted during a site visit includes:**

Identifying and reporting of foliage or other obstructions (ie: sun glare or vandalism) that may obscure the camera's field of view or impact the capture of digital images. An example may be found below where the tree is blocking the view of the traffic signal. Field engineers are issued camera equipped cellular phones to document the obstruction. In the event an issue is identified, the field engineer will immediately email the picture of the obstruction to the engineering manager who will then notify the appropriate Miami Beach personnel.



**Trees  
obscuring  
primary traffic  
signals**

- Visual inspection / examination of the base, pole, collar, camera and controller housing for damage, corrosion, cracks and alignment. This inspection is to confirm the equipment is both operationally and aesthetically sound.
- Visual inspection of all controller cabinets and camera housings to safeguard against leaks, general wear or damage.
- Visual inspection of the pole and camera housing to ensure security of all earth connections, terminations and ground rods.
- Visual examination of the ground reinstatement for the camera pole, controller, footway chambers and ducting.

- Visual inspection of the flash alignment and function. The proper functioning of the flash unit is confirmed by the technician firing the flash –observing the flash visually in addition to taking a live view image.
- Check protective finishes on all enclosures including paint, PVC and galvanizing.
- Checking of security and alignment of all hinges, brackets and camera enclosure fixing bolts. Adjustments and retightening will be performed according to specified torque settings. Damaged or missing fixings will be replaced.
- Checking of all controller cabinet and pole housing wiring and connections.
- AC Power -The AC power will be checked using a DVM (digital volt meter). If the incoming AC is +/- 10%, both CDOT and BOE will be immediately notified of the reading by the Field Engineering Manager.
- Verify warning or circuit identification labels are not missing, damaged or illegible. Providing new labels if required.

**During the site visit field engineers will also perform the following cleaning tasks:**

- Cleaning of the camera enclosure glass to maximize image clarity.
- Removing all loose dust, grime, mud, and snow if weather permits.
- Removing all labels, stickers, posters, and graffiti.
- Washing down all external finished surfaces with suitable detergent.
- Repainting of metalwork if required.
- Removing dust and dirt from the interior pole base compartment and camera housing.
- Cleaning inside the inner surface of camera and flash lens cover.
- Lubricating padlocks following the cleaning operation to help prevent locks from freezing and rusting.

**Visual Inspection of Roadway and Signage includes:**

- All lanes will be inspected for street deterioration such as potholes or cracking and to confirm pavement markings and striping are in good condition. Should the technician identify a concern, the engineering manager will be advised, and the appropriate City personnel notified.
- Verify all required Photo Enforced signs are correct and present.
- Visual examination of in-ground detection devices for signs of wear or damage.

The screenshot shows the RedSpeed SiteOps web application. The browser address bar displays 'https://siteops.redcheck.org/1.7/'. The page title is 'RedSpeed® SiteOps' and the user is logged in as 'Mark Haylock'. The main content area is titled 'Bee Ridge Rd & S Tamiami Trail / US 41 W/B'. Below the title is a navigation menu with tabs for 'Information', 'Live Camera View', 'Monthly Maintenance Log', 'Speed Report', 'Traffic Count Report', 'Support', and 'Settings'. The 'Support' tab is active, displaying a table of maintenance logs.

Log ID	Log Date	Signage	Sensys Detection	Camera Lens	Metalwork Inspection	Ancillary Items	Technician Name
3	9/6/2018	Yes	Good	Yes	Yes	Pass	Engineer 1
2	8/8/2018	Yes	Good	Yes	Yes	Pass	Engineer 1
1	7/13/2018	Yes	Good	Yes	Yes	Pass	Engineer 1

Below the table are buttons for 'Create New Report' and 'Preview'. The left sidebar shows a tree view of locations, with 'Florida' expanded to show 'Coral Gables' and 'Sarasota'. The footer contains the text 'RedSpeed® SiteOps 1.7.0 © 2013-2017 RedSpeed-USA. All rights reserved.'

10/11/2018

RSI SiteOps - Checklist Preview

Technician Name: **Engineer 1**

Log Date: **10/08/2018**

Site: **Fruitville Rd & N Washington Blvd E/B**

Site ID: **RSFL0023**

1.	<b>Signage:</b> Verify presence & mounting	
	Sign 1	Yes
	Sign 2	Yes

2.	<b>Sensys Detection:</b> Verify presence, condition & operation	
	Lane 1	Good
	Lane 2	Good
	Lane 3	Good
	Lane 4	Good

3.	<b>Camera Lens:</b> Check for cleanliness or damage	
	Head 1 lens cleaned	Yes
	Head 2 lens cleaned	Yes

4.	<b>Metalwork Inspection:</b> Check for damage & cleanliness	
	Camera 1 enclosure	Yes
	Camera 2 enclosure	Yes
	IR illuminator panels (confirm operation)	Yes
	Pole	Yes
	Base	Yes
	Collar	Yes
	Street cabinet or pole mounted enclosure	Yes

5.	<b>Ancillary Items:</b> Check functionality & damage	
	Voltages & Grounding	Pass
	Traffic signal & aspect phasing interface module	Pass
	USB Sensys interface module	Pass
	PC module	Pass
	Communications (modem/POE switch/router)	Pass
	24/48 VAC transformers	Pass
	Network cables	Pass
	Time format & synchronization	Pass

6.	<b>Additional Comments</b>	

**5.4 / 5.5 / 5.6 Municipal Personnel Training & Training Materials**

RedSpeed believes the success of the program is dependent upon every authorized municipal agent involved having a thorough and solid understanding of all operational elements of the Red-Light Enforcement program. As such, top priority will be given to ensuring authorized personnel involved with the City's program will receive customized training that addresses each core component of the RedCheck™ and SiteOps™ systems. Special focus will be placed upon ensuring the individuals authorized to approve the issuance of a ticket are knowledgeable in the criteria required under both Florida Law as well as the City of Miami Beach Red Light Camera Ordinance.

Beginning with an initial "Business Rules" meeting to outline RedSpeed's project approach, no aspect of the program is overlooked without full disclosure and discussion.

**Business Rules Topics include:**

- FDOT constraints and timelines
- Launch Schedules – locations, dates, Warning period, public awareness campaign
- Equipment – what equipment will be supplied, installation guidelines, Training
- Violation Review – Initial screening (if City prefers RedSpeed violation review personnel conduct an initial screening), Officer review and approval / rejection, Notice mailing
- Hearing Process – existing process, role of City, clerks, payment process, scheduling, and violator notification
- Revenue Collection and Reporting – Various methods of submitting payment, reconciliation of payments and funds disbursements to City.

**Site Visit:**

The RedSpeed Project Manager will take City personnel out to an enforced intersection to familiarize them with the system's hardware:

- Camera Enclosure
- Vehicle Detection
- Processor
- Pole
- Electric connections
- Placement of Required Signage



- On-site, classroom style training, in addition to one-on one hands-on instruction, will be conducted by a RedSpeed representative, with all necessary training materials provided by RedSpeed.
- On-site training will be provided at no cost for as many individuals as the City requests, to ensure all personnel are fully versed on the system. Scheduling will be based upon the most convenient times for City personnel.
- Major topics within RedCheck™ include navigating the violations summary and details screen to access violations, approving and rejecting violations and generating the various customized reports available thru the system.
- This training will be supplemented by on-going support and additional "refresher courses" for existing personnel, as well as training for new personnel as needed.
- SiteOps™ training will explore the many facets of the system. Personnel will learn how to utilize the Live View module and the steps involved with accessing and downloading archived video footage.

Ongoing support for all municipal users will be provided by the same individuals providing the training. These individuals will be available at any time to address any of the City's questions or requests.



RedSpeed provides detailed, screen-by-screen function related training materials for all City personnel. As staff adjustments are made, RedSpeed will provide additional materials to ensure all active participants in the program have their own reference manual. Upon request, refresher training will be provided for both existing and new personnel at no cost to the City.

### Sample Violation Reviewer User Manual

**RedSpeed®**  
**RedCheck®**  
**Red Light Camera**  
**Violation Reviewing**  
**Web Version**

To ensure you are always working in the most updated environment, please **DO NOT** bookmark the page

<https://florida.redcheck.org>

REVIEWING VIOLATIONS  
Main Screen After Log-in

#### TABLE OF CONTENTS

Logging into Web based RedCheck®	3
Main Screen "Action Tab" Options	4-7
Main Screen Icons Description	8-12
Reviewing Violations	13-15
Approving Violations	16
Dismissing Violations	17
Searching for Specific Violations	18

Sample SiteOps Live Intersection Viewing User Manual



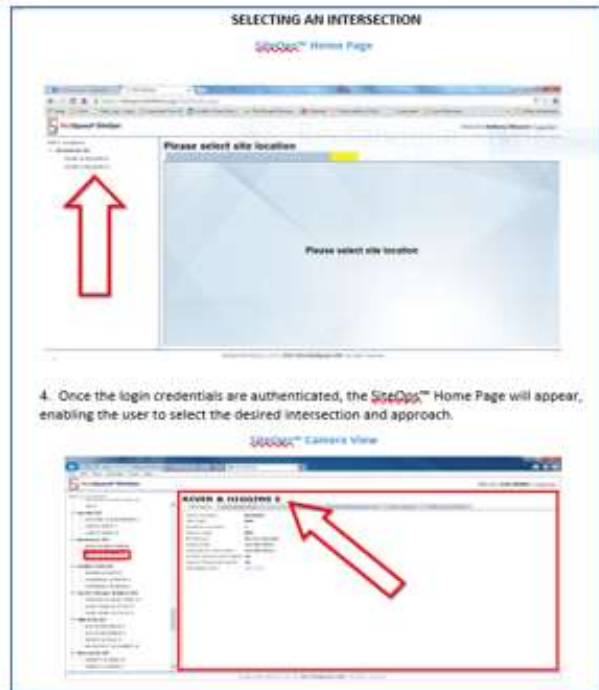
SiteOps™  
 Live Intersection  
 Viewing  
 User's Manual

<https://siteops.redcheck.org>

Only **45 days** of data is retained on the camera.  
**Exported Data** is available for **50 days** unless  
 the file is saved on a computer.

TABLE OF CONTENTS

	Page
1. Login Process	3
2. Selecting an Intersection	4
3. Viewing Archived Video Footage	7
4. Downloading Archived Video Footage	8



10. Clicking the Calendar icon displays the following screen, enabling the user to search archived video by date and time up to 30 (max days prior). This is for viewing purpose only.



**Sample Clerk of Court User Manual**

**RedSpeed®**  
**RedCheck®**  
**Red Light Camera**  
**Hearing Support Manual**  
**Web Version**

To ensure you are always working in the most updated environment, please **DO NOT** bookmark the page

<https://florida.redcheck.org>

Enter the desired hearing date in both the From and To fields

A pdf file which may be printed will download

**RedSpeed® Florida,LLC** 2889 Adams Ln Sarasota, FL 34237

**Hearing Schedule**

Submission Criteria  
From Hearing Date: 07/18/2018 To Hearing Date: 07/18/2018 Show Paid Status: YES

Hearing Type: HEARING  
Hearing Location: Sarasota City Hall, Annex Building 1st Floor, 1880 1st Street  
Hearing Date: Thursday, July 19, 2018 02:30 PM

Index Number	Defendant	Officer Name	Disposition
20180001476415	LARBAH,OSBY JONAH	OPC TRISH TONIA PER	
20180001476300	WICKEL,RODRIGO	OPC ANDRILLE BRACK	
<b>Total:</b>			<b>2</b>
<b>Grand Total:</b>			<b>2</b>

Once selected, the following Hearing Decision screen will appear:

**Hearing Decision**

Violation Information:  
Violation #: 20180001476300  
Name: WICKEL,RODRIGO  
Address: 2802 SW175 St  
C/N/E/W: SW175 St, SW175 St  
Intersections: Tuttle Ave & Bahia Vista St SW  
Date/Time: 07/20/2018 12:00:00 PM  
Amount Due: \$125.00

Vehicle Information:  
Plate #: 2J4616  
Make: JACR  
Model:  
Year: 2018  
Color: BL  
VIN: 5AL12P12407049

Hearing Information:  
Hearing Date: 08/13/2018  
Hearing Time: 10:00 AM  
Location: Sarasota City Hall, Annex Building 1st Floor 1880  
Judge: JAMES RAYMOND  
Reason: JAMES RAYMOND  
Disposition: JAMES RAYMOND  
Fine: \$125.00  
Pay Due Date: 07/20/2018  
Waive Court Cost: JAMES RAYMOND  
Court Code: 0000

The Disposition is entered from the Disposition drop downs menu.

**Hearing Decision**

Violation Information:  
Violation #: 20180001476300  
Name: WICKEL,RODRIGO  
Address: 2802 SW175 St  
C/N/E/W: SW175 St, SW175 St  
Intersections: Tuttle Ave & Bahia Vista St SW  
Date/Time: 07/20/2018 12:00:00 PM  
Amount Due: \$125.00

Vehicle Information:  
Plate #: 2J4616  
Make: JACR  
Model:  
Year: 2018  
Color: BL  
VIN: 5AL12P12407049

Hearing Information:  
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Hearing Time: 10:00 AM  
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Judge: JAMES RAYMOND  
Reason: JAMES RAYMOND  
Disposition: JAMES RAYMOND  
Fine: \$125.00  
Pay Due Date: 07/20/2018  
Waive Court Cost: JAMES RAYMOND  
Court Code: 0000

If the Judge has granted additional time for the individual to remit payment, this date can be selected via the Pay Due Date field.

**Hearing Decision**

Violation Information:  
Violation #: 20180001476300  
Name: WICKEL,RODRIGO  
Address: 2802 SW175 St  
C/N/E/W: SW175 St, SW175 St  
Intersections: Tuttle Ave & Bahia Vista St SW  
Date/Time: 07/20/2018 12:00:00 PM  
Amount Due: \$125.00

Vehicle Information:  
Plate #: 2J4616  
Make: JACR  
Model:  
Year: 2018  
Color: BL  
VIN: 5AL12P12407049

Hearing Information:  
Hearing Date: 08/13/2018  
Hearing Time: 10:00 AM  
Location: Sarasota City Hall, Annex Building 1st Floor 1880  
Judge: JAMES RAYMOND  
Reason: JAMES RAYMOND  
Disposition: JAMES RAYMOND  
Fine: \$125.00  
Pay Due Date: 08/13/2018  
Waive Court Cost: JAMES RAYMOND  
Court Code: 0000

## **Section 6.**

# **Operations and Public Awareness**



## 6.1 /6.2 Public Awareness / Public Forum Support



RedSpeed will provide continuous public awareness support to the City throughout the duration of the contract. At the City's request, representatives will be available for presentations to Public Safety Groups to assist City personnel in demonstrating how the camera enforcement equipment is utilized. Recognizing community support is cultivated thru ongoing updates regarding the program's safety contributions, RedSpeed will provide Public Awareness support and materials to Miami Beach throughout the duration of the contract.

These materials are designed to educate the community about the objectives of the Red-Light Photo Enforcement Program and its ability to improve safety (and benefit all residents) by changing driver behavior. The continuous dissemination of accurate information will ensure continued community support and eliminate the potential for speculation and misinformation.

Media materials will include:

- ✓ Print News and Social Media Releases announcing the City's decision to continue utilizing Red Light Enforcement technology,
- ✓ Overview of how Red-Light Enforcement Systems work and the Safety benefits they provide,
- ✓ Press Releases advising Warning & Live Violation Activation Dates for individual intersections,
- ✓ Inserts to accompany Violation Mailings,
- ✓ Miami Beach specific "Frequently Asked Questions" document to compliment those already posted on municipal website.
- ✓ Map detailing the locations at which Photo Enforcement is being utilized to be posted to the City's website.
- ✓ Posters urging residents to "Use Your Head...Stop on Red" for display throughout the community. These posters will also direct residents to the City's website for additional information and FAQs.



<p><b>Why does Rosemont need Red Light Cameras?</b></p> <p>Traffic studies show that Red Light Running is a problem of several intersections within the Village. The goal of the camera program is to change driver behavior by encouraging compliance with traffic signal laws through around-the-clock enforcement.</p> <p><b>Why aren't Police Officers monitoring these intersections?</b></p> <p>The Rosemont Police Department is committed to the safety of their residents, but no community can afford to police every red light intersection 24 hours a day. Traditional enforcement also creates a safety hazard for the violator, other drivers, pedestrians and the officer when police chase a violator through a red light. This technology frees up officers to assist and protect residents in other ways.</p> <p><b>Is this simply a way for the Village to make money?</b></p> <p>The objective of this program is to deter drivers from disobeying the law, not catch them. There is no cost to the Village for installing, operating, or maintaining the system. The program is completely violator funded.</p>	<p><b>Red Light Photo Enforcement</b></p> <p>Deaths caused by red light running are increasing at more than three times the rate of increase for all other fatal crashes. Sadly, the victims are often occupants of other vehicles or pedestrians who happen to be in the intersection. <i>Source: Federal Highway Administration's Photo Enforcement Program</i></p> <p>The Village is asking the residents of Rosemont to respect the rules of the road and to consider not only their safety but the safety of others.</p> <p>The Red Light Camera System is designed to encourage everyone to adopt safer driving habits and eliminate unnecessary injuries and deaths.</p> <p>The Village of Rosemont's Red Light Cameras are located at:</p> <p><b>River Road and Higgins Road North and Eastbound</b></p> 	<p><b>Red Light Photo Enforcement</b></p>  <p><i>Changing Driver Behavior One Intersection at a Time</i></p> <p><b>Is Red Light Running really a problem?</b></p> <p>Each year in the United States, Red Light Running results in nearly 200,000 crashes, more than 800 deaths and 180,000 injuries.</p> <p>Four in five crashes happened within 100 feet of an intersection.</p> <p>Someone runs a red light every 5 minutes in rush hour.</p> <p><small>Source: Rosemont Police Department</small></p>
--	--	---

**Frequently Asked Questions: Village of YOUR TOWN Automated Red Light Enforcement Program**

**What do I do if I receive a Notice of Violation?**

How much is the fine?  
 The fine is \$100.00 for each violation.

How much time do I have to pay my Red Light Violation Notice?  
 You must pay the civil penalty on or before the due date on your Notice. The due date for payment is located on the top and bottom of your Notice of Violation.

**What are my Options?**

Two Options are available: **PAY THE FINE OR CONTEST THE VIOLATION.**

**OPTION 1. Pay the Fine**

- **Pay Online:** Logon to [www.RedLightViolations.com](http://www.RedLightViolations.com) I Violation Notice Number and License Plate Number on the top and bottom right of your Notice of Violation. The convenience fee for paying on-line, assessed at the time of payment.
- **Pay By Mail:** Mail your check or money order (payable to City of Miami Beach Photo Enforcement Program) in the envelope provided. Be sure to include the payment stub from the notice you received along with your payment. Please do not staple.
- **Pay By Credit Card:** A Toll Free number will be established by the City of Miami Beach and will be noted on the violation. Payment accepted between the hours of 9am - 4pm. We accept VISA, MasterCard and there is a \$3.50 convenience fee for the transaction confirmation number will be provided as well confirmation for your permanent records if you wish. *Personal Payments are not available.*

**Drivers Take Notice - Red Light Cameras Are Coming To Improve Intersection Safety**

In an effort to enhance safety at some of TOWN NAME's most dangerous intersections, the Village/City Board has approved the installation of an automated traffic enforcement system, also known as Red Light Cameras, for various intersections within the community. *Intersections include: intersection of Route 12 & Brown Road, 175 & Lantana and Route 175 & Main Street, OR The cameras will be operational at the intersections of Route 12 & Route 64 (North Avenue) in early February 2008.*

According to recent studies conducted by the U.S. Dept. of Transportation, Red Light Camera Programs can decrease red light violations up to 90%. Traffic accidents caused by red light runners are among the most serious, often resulting in severe injuries and fatalities. Studies have shown that approximately 1,000 people die and 170,000 people are injured annually in the United States because of drivers running red lights.

**There are Two Types of Red Light Violations:**

- (1) Right Turn on Red Without coming to a complete stop and
- (2) Entering an intersection after the traffic signal has turned red.

A common misconception is that the cameras will be photographing everyone as they drive thru the community. In fact, Sensors placed in the pavement activate the camera only when a vehicle enters the intersection during the red light cycle. A total of 3 photographs will be taken plus 6-10 seconds of digital video. The images include: the car entering the red light intersection, the car passing thru the intersection and finally, a close-up of the license plate. At 3 images, plus a link to view the video footage on-line, will be provided to the vehicle's registered owner who is mailed the violation. According to Illinois Law, it is illegal to photograph the faces of other drivers or passengers.

**Frequently Asked Questions:**

- Is the citation valid if it was not issued by a uniformed police officer?  
 Yes. The citations will be reviewed and authorized by sworn officers of the TOWN Police Department. Each reviewing Officer will be specifically trained in the operation and review process of the Red Light Photo Enforcement Program. These tickets are treated as a civil violation (just like a parking ticket) and will not impact the registered owner's driving record or insurance rates.
- What do I do if I receive a Citation?  
 If you receive a citation in the mail you should follow the instructions on the back. Detailed information is provided on how to pay or contest the violation. Should the individual decide to contest the violation, he/she may do so through the Village's / City's adjudication program.
- What if I wasn't driving the car?  
 Under Illinois State Law, 110-4032, the registered owner of the vehicle is liable for any automated traffic law violations that occur to the vehicle, regardless of who is operating it.