



**BOARD OF COUNTY COMMISSIONERS
OFFICE OF THE COMMISSION AUDITOR**

M E M O R A N D U M

TO: Honorable Sally A. Heyman
Commissioner, District 4

FROM: Charles Anderson
Commission Auditor

A handwritten signature in black ink, appearing to read "Charles Anderson", is written over the printed name and title.

DATE: January 24, 2013

SUBJECT: Red Light Camera Ordinance (updated)

This memo is in response to your October 31, 2012 request for information on the Red-Light Camera Ordinance- Repeal Legislation. Pursuant to your request, the Office of Commission Auditor (OCA) was to obtain the following data:

- Municipalities that installed red-light cameras and the rate of accidents, pre-camera and post-camera at each site intersection;
- Ancillary benefits from red-light camera intersections as it relates to: “Don’t Block the Box” infractions; impact on Police manpower working at targeted intersections (moving violations and accident time); Police court time for traffic infractions due to the red-light camera installations (decrease in court appearance hours);
- Generated funds for Miami-Dade County from red-light cameras for cities of jurisdiction for Miami Project to Cure Paralysis, etc.

The OCA contacted, 22 jurisdictions that utilize red-light and/or speed camera devices requesting specific information as it relates to your request. (*See Attachment 1*)

Background and Relevant Information

The National Highway Traffic Safety Administration (NHTSA) reported that there were more than 2.3 million intersection-related crashes, resulting in more than 7,770 fatalities and approximately 733,000 injury crashes in 2008. NHTSA’s Fatality Analysis Reporting System (FARS) reports that red-light running crashes alone caused 768 deaths in 2008, and 676 deaths in 2009. An estimated 165,000 people are injured annually by red-light runners. (*See Attachment 2*)

Florida Statute 316.0083 provides for a \$158 fine levied on violators who fail to stop at a traffic signal as required by ss. 316.074(1) or 316.075(1)(c)1., F.S. When the \$158 fine is the result of a local government’s traffic infraction detector, \$75 is retained by the local government and \$83 is deposited with the Florida Department of Revenue (DOR). The DOR subsequently distributes the fines by depositing \$70 in the General Revenue Fund, \$10 in the Department of Health Administrative Trust Fund, and \$3 in the Brain and Spinal Cord Injury Trust Fund.

If a law enforcement officer cites a motorist for the same offense, the fine is still \$158, but the revenue is distributed from the local clerk of court to DOR, where \$30 is distributed to the General Revenue Fund, \$65 is distributed to the Department of Health Administrative Trust Fund, and \$3 is distributed to the Brain and Spinal Cord Injury Trust Fund. The remaining \$60 is distributed in small percentages to a number of funds pursuant to s. 318.21, F.S. Violations of ss. 316.074(1) or 316.075(1)(c)1., F.S., enforced by traffic infraction detectors may not result in points assessed against the operator's driver's license and may not be used for the purpose of setting motor vehicle insurance rates.

Revenue Collected by the State of Florida DOR in FY 2010-11 and 2011-12

According to the Florida Department of Revenue, counties and municipalities remit the collection of funds provided in Chapter 2010-80 to the DOR weekly. **There was a spike in the utilization of Red Light Cameras from 44 jurisdictions in FY 2010-11 to 71 jurisdictions in FY 2011-12.**

- For FY 2010-11, the State collected a grand total of \$19,774,851; and the Brain and Spinal Cord Injury Trust Fund collected \$728,276.¹
- For FY 2011-12, the State collected a grand total of \$51,065,842; and the Brain and Spinal Cord Injury Trust Fund collected \$1,851,361.²

Collection and Disbursement of Red Light Camera Proceeds

According to the Miami-Dade County Clerk of Courts, from October 2011 to September 2012 a total of \$3,495,398 was collected by the Miami Dade County Court System for Red Light Camera violations and/or citations and distributed to municipalities with Red Light Camera Programs (*See Attachment 3 for the breakdown by municipality*).

Additionally, for the period of October 2011 to September 2012 a total of \$139,195.13 was collected for the Miami Project to Cure Paralysis. (*See Attachment 4 for the monthly breakdown*).

Miami-Dade's Don't Block the Box

Don't Block the Box uses education and enforcement to remind drivers not to block intersections. This program aims to educate drivers that it is illegal to enter an intersection or a marked crosswalk unless there is sufficient space to clear the other side of the intersection without blocking the advance of other vehicles or pedestrians. Recently, Miami-Dade police and other law enforcement agencies launched a campaign to stop drivers from blocking intersections to beat the red light and creating gridlock. Nearly two dozen local police agencies now monitor busy intersections to identify how many cars can safely clear an intersection before a light change. They are also there to stop those that would otherwise get stuck and block traffic flow.

¹ <http://dor.myflorida.com/dor/taxes/distributions.html> - (Last viewed November 14, 2012)

² <http://dor.myflorida.com/dor/taxes/distributions.html> - (Last viewed November 14, 2012)

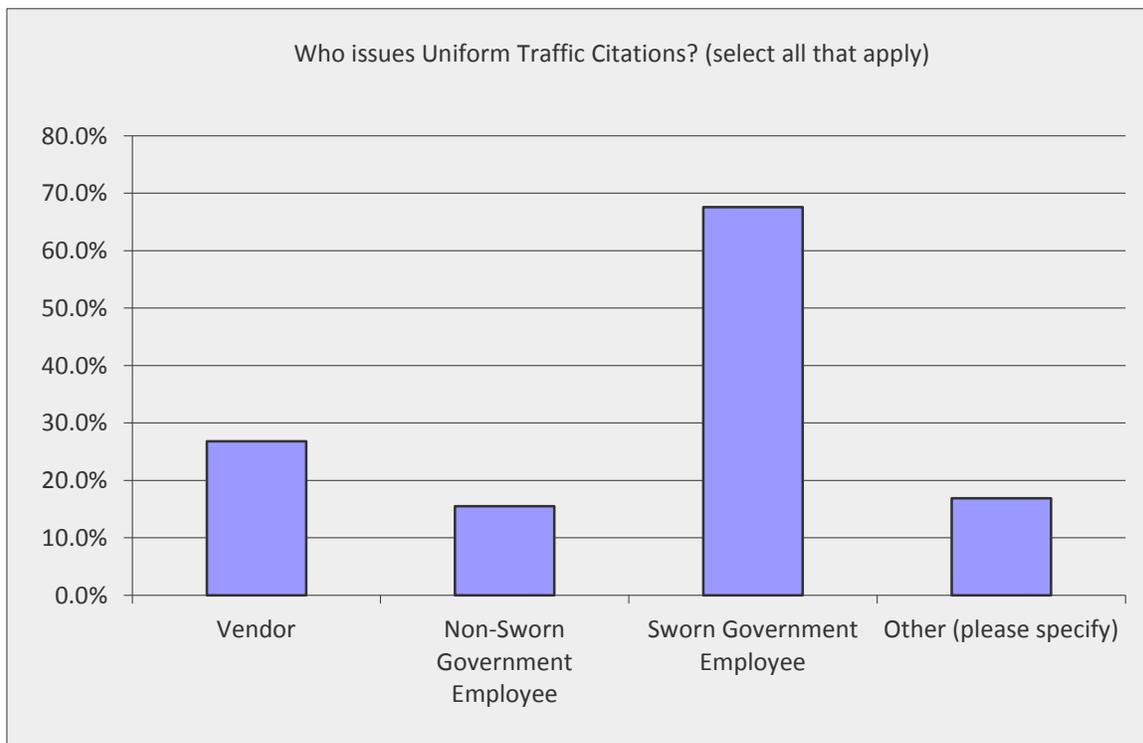
Pursuant to Florida Statute 316.2061, drivers should not enter intersections if they can't make it all the way across without stopping and blocking the cross traffic. Drivers may receive up to a \$500 fine and 3 points on their license.

The Miami-Dade County Clerk of Courts Traffic/Misdemeanor Division provided the following information regarding Don't Block the Box infractions from April 1st to October 31st of 2012 (6 months):

- Citations issued for the cited infraction were 857.
 - Many of these citations were already dismissed in court or the citation holders were enrolled in the Drive Legal Program and the fines were converted to community service hours.
- A total of \$18,934.90 was collected in revenue allocated to different County funds.
- An amount of \$21,805.60 is available for possible collection, but it could be much lower due to dismissals in court, enrollment in diversion programs, and delinquencies.

The OCA contacted, the Florida Highway Patrol (FHP) Office of Strategic Services which is in the process of collecting data from 73 jurisdictions operating red light cameras in the State of Florida covering the period of July 1, 2011 to June 30, 2012. Florida Statute 316.0083 requires the Florida Department Highway Safety and Motor Vehicles (DHSMV) to provide the Governor, the President of the Senate, and the Speaker of the House of Representatives an annual report on red light camera use in Florida. *According to FHP, the first report is due to be delivered by December 31, 2012.*

The following information is based on responses from the 73 jurisdictions surveyed by the FHP:



Do you issue Notices of Violation or Citations for persons making right turns on red signals?		
Answer Options	Response Percent	Response Count
Yes	62.0%	44
No	38.0%	27
<i>answered question</i>		71
<i>skipped question</i>		4

Who reviews Notice of Violation challenges? (select all that apply)		
Answer Options	Response Percent	Response Count
Vendor	16.9%	12
Non-Sworn Government Employee	23.9%	17
Sworn Employee	67.6%	48
Other (please specify)	18.3%	13
<i>answered question</i>		71
<i>skipped question</i>		4

Since red light cameras have been installed, have the total number of crashes occurring at the intersections:		
Answer Options	Response Percent	Response Count
Increased?	15.3%	11
Decreased?	55.6%	40
Remained the same?	9.7%	7
Data Not Available	19.4%	14
<i>answered question</i>		72
<i>skipped question</i>		3

Since red light cameras have been installed, have the number of rear-end crashes occurring at the intersections:		
Answer Options	Response Percent	Response Count
Increased?	22.2%	16
Decreased?	40.3%	29
Remained the same?	6.9%	5
Data Not Available	30.6%	22
<i>answered question</i>		72
<i>skipped question</i>		3

Since red light cameras have been installed, have the number of side-impact crashes occurring at the intersections:		
Answer Options	Response Percent	Response Count
Increased?	11.1%	8
Decreased?	43.1%	31
Remained the same?	15.3%	11
Data Not Available	30.6%	22
<i>answered question</i>		72
<i>skipped question</i>		3

Attachments: Office of the Commission Auditor Red Light Camera Survey - *Attachment 1*

Red Light Running Fatalities in the United States (2000-2009) & Proportions of Red Light Running Fatalities to Total Fatalities in the United States (2000-2009) - *Attachment 2*

Red Light Camera Funds to Municipalities - *Attachment 3*

Miami Project to Cure Paralysis Funding - *Attachment 4*

**Attachment 1
FY 2011-12
Red Light Camera Survey**

Miami-Dade County Municipalities				
Red Light Camera Municipalities & Implementation Date	Rate of Accidents		Benefits	Revenues
	Pre-Camera / Post Camera Data and Comments from Municipalities	Statistical Data Covering the Period of July 1, 2011 to June 30, 2012	Impact on Police Manpower and Impact on Police Court Time	Funds to Municipalities from October 2011 to September 2012
Aventura 2008	<p>4 intersections have red light cameras installed.</p> <ul style="list-style-type: none"> • Biscayne Blvd/NE 199th St. <u>Pre-Camera:</u> FY 2010 - 77 crashes <u>Post-Camera:</u> FY 2011 - 46 crashes FY 2012 - 39 crashes • Biscayne Blvd./NE 191st St. <u>Pre-Camera:</u> FY 2009 - 53 crashes <u>Post Camera:</u> FY 2010 – 54 crashes FY 2011 – 44 crashes FY 2012 – 21 crashes • W. Country Club/NE 199th St. <u>Pre-Camera:</u> FY 2009 – 24 crashes <u>Post Camera:</u> FY 2010 – 8 crashes FY 2011 – 10 crashes FY 2012 – 10 crashes • W Country Club/ William Lehman <u>Pre-Camera:</u> FY 2010 – 45 crashes <u>Post-Camera:</u> FY 2011 – 34 crashes FY 2012 – 9 crashes 	<ul style="list-style-type: none"> • Number of Notices issued: 23,456 • Number of Notices of Violation challenged: 47 • Number of Notices of Violation were dismissed after challenged: 30 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 6630 	<p>Overall crashes are down citywide. A couple of intersections show crashes are down more than 50% after implementation of the Red Light Camera Program. Aventura has captured some serious crimes on the cameras at the intersections and used them for later prosecution.</p> <p>Blocking intersection violations not affected.</p> <p>Man hours to review violations have increased.</p> <p>Revenue collected estimate is approx. \$2,000,000 per fiscal year. However, this figure is total revenue for violations paid to the city prior to being issued as a UTC, and does not include revenue we have to share with the state, or the monthly fees paid to the vendor. Because of lack of access, these estimates do not include what the clerk of courts pays Aventura for violations that are paid through them once a UTC is issued.</p>	\$231,775.64

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	Videos of violations are on "Youtube" to show the types of violations Aventura Police are seeing. Police have gotten good feedback from this. They have also used the cameras to help solve crimes. In several instances a vehicle has been observed committing a crime, and within a short time frame of the crime, running a red light while fleeing the scene. This has proved valuable as an investigative tool. Police have also had instances where people alleged a crime had occurred, and video review of the intersection revealed that no crime had occurred, and the victim later recanted when shown the video. Crashes overall have been reduced in the city.		Court time remains about the same.	
Bal Harbour <i>October 2009</i>	5 intersections have red light cameras installed. Many locals know of cameras and have slowed down as a result.	<ul style="list-style-type: none"> • Number of Notices issued: 6830 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 1617 	Court time has increased. Approximately 6 more hours of court time per week.	In FY2012, the Village received \$686,521.87. Of that amount, \$343,137 went to the State of Florida. From that amount, the Village paid ATS \$266,499.57. The Village netted \$76,885.30. According to Clerk records, FY

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				2011-12, \$60,127.13
Coral Gables 2009	4 intersections have red light cameras installed. Drivers have altered their driving habits as a direct result of the Red Light Camera Program.	<ul style="list-style-type: none"> • Number of Notices issued: 9894 • Number of Notices of Violation challenged: 50 • Number of Notices of Violation were dismissed after challenged: 50 • Number of Challenges Pending: N/A • Number of Uniform Traffic Citations issued: 9727 	<i>Response not available at time of printing.</i>	\$107,718.58
Cutler Bay July 2011	<p>A total of 5 red light cameras installed at 2 intersections.</p> <p>The crash rates for the intersections covered by red light cameras have decreased 3% since the implementation.</p> <p>The busiest intersection which is Caribbean Boulevard and US-1, had 82 crashes the year prior to implementation of the Red Light Camera program as opposed to 87 crashes the first year of the program.</p> <p>The other intersection which is monitored by the cameras is SW 211 St and SW 112 Ave. This intersection had 15 crashes the year before the camera program was implemented as opposed to 7 the first year of the program.</p>	<ul style="list-style-type: none"> • Number of Notices issued: 6458 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 1488 	<p>In regards to Police manpower, the number of crashes at the intersections decreased by 3 crashes, so depending on how much time the officer would spend on the 3 fewer crashes is the benefit. That is all erased if you look at the manpower hours it takes to prosecute the red light ticket violations in court.</p> <p>According to our records, between July 1, 2011 to June 30, 2012, we issued 6,458 first notices of violation. 1,488 of the first notices were not paid and</p>	\$45,170.64

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			turned into a Uniform Traffic Citation (UTC) which was issued to the violator. Of the 1,488 UTC's issued, 610 people paid the UTC violation without a court challenge. 535 people challenged the UTC in court of which 295 were found guilty and paid the fine. 343 UTC's issued during the reporting period are still open pending. Most of the open pending UTC's are in collections and the license of the vehicle owner has been suspended. The time spent in court prosecuting the 535 citations is quite a bit causing either a Public Service Aide (PSA), or a Police Officer to not be on the road.	
Doral <i>June 30, 2011</i>	7 intersections have red light cameras installed. 34% Reduction in red light violators, tangible performance measures, Cameras are used as an investigative tool for crashes, etc., Reduction in Property Damage, injuries and or fatalities.	<ul style="list-style-type: none"> • Number of Notices issued: 17200 • Number of Notices of Violation challenged: 1565 • Number of Notices of Violation were dismissed after challenged: 153 • Number of Challenges Pending: N/A • Number of Uniform Traffic Citations issued: 4187 	<i>Response not available at time of printing.</i>	\$140,611.85

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El Portal	2 intersections have red light cameras installed. Twenty-four hour monitoring of intersections, and driver awareness.	<ul style="list-style-type: none"> • Number of Notices issued: N/A • Number of Notices of Violation challenged: N/A • Number of Notices of Violation were dismissed after challenged: N/A • Number of Challenges Pending: N/A • Number of Uniform Traffic Citations issued: N/A 	<i>Response not available at time of printing.</i>	\$20,936.46
Florida City <i>August 2009</i>	Currently there are 5 intersections that have red light cameras installed. Drivers have become more aware, adhere to the light. In August 2009, at the implementation of this program, there was one active red-light camera. The camera is located at westbound SW 344 St. and SW 177 Avenue (North Krome Avenue). In FY 2009-10, Florida City had small increases in accidents, (8) in 2009 and (10) in 2010. No reported traffic fatality. In 2009, the intersection produced about a 63% increase in violations from FY 2009 (1,586) to FY 2010 (2,508). This was during a 12 month span.	<ul style="list-style-type: none"> • Number of Notices issued: 23095 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 7414 	Two officers are responsible for reviewing all red-light camera violations.	\$193,185.94
Homestead	3 intersections have red light cameras installed.	<ul style="list-style-type: none"> • Number of Notices issued: 	<i>Response not available at time of</i>	\$56,059.03

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	The value of Homestead's red light safety camera program hasn't just been in terms of public safety. An additional value for taxpayers is the availability to police investigators of red light safety camera videos. The police have requested videos six times as a tool for investigating a homicide, a robbery, collisions and other investigations. It helps reduce police operating costs when a video can help reconstruct an accident scene or provide another view of unrelated incidents at intersections.	6576 <ul style="list-style-type: none"> • Number of Notices of Violation challenged: N/A • Number of Notices of Violation were dismissed after challenged: N/A • Number of Challenges Pending: N/A • Number of Uniform Traffic Citations issued: 2001 	<i>printing.</i>	
Key Biscayne <i>Jan.17, 2011</i>	3 intersections have red light cameras installed.	<ul style="list-style-type: none"> • Number of Notices issued: 1656 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 430 	Uniform Traffic Citations are issued by ATS after sworn employee's review.	\$16,975.48
Medley	2 intersections have red light cameras installed. <ul style="list-style-type: none"> • Westbound NW 74 St. and SR 826 (Palmetto Expy) • Westbound South River Drive & NW 105 Way 	<ul style="list-style-type: none"> • Number of Notices issued: 2722 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after 	<i>Response not available at time of printing.</i>	\$17,713.08

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		challenged: 0 <ul style="list-style-type: none"> • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 363 		
Miami <i>January 2011</i>	<p>The City of Miami Red Light Camera Program was initiated with 46 cameras at 23 intersections. In the interim time, the program has been expanded to 134 active cameras, with 159 planned cameras at 101 intersections. In the aggregate, the City of Miami has experienced a reduction of accidents at monitored intersections of 7.6%.</p> <p>The cameras have led to more vehicles stopping behind the stop bar at intersections. This means that the crosswalk is blocked less frequently, offering pedestrians and bicyclists a safer crossing.</p>	<ul style="list-style-type: none"> • Number of Notices issued: 98062 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 28769 	<p>Due to the number of cameras, enforcement personnel are assigned other tasks such as speed enforcement or targeting aggressive driving rather than monitoring specific intersections for violators. However, these assignments are at the discretion of the Traffic Unit Commander. Though these manpower hours may not be quantified, the reduction of intersections that need physical monitoring by personnel has allowed for greater ability to address complaints from citizens as well as the performance of other traffic related functions by Traffic Enforcement personnel, i.e. DUI checkpoints.</p> <p>The City of Miami Red Light Camera Detail works during regular business hours; thereby, the majority of court appearances are attended while on</p>	\$856,041.04

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	Pre-Camera / Post Camera Data and Comments from Municipalities	Statistical Data Covering the Period of July 1, 2011 to June 30, 2012	Impact on Police Manpower and Impact on Police Court Time	Funds to Municipalities from October 2011 to September 2012
			duty. During FY 2011-12, the Red Light Camera Detail averaged 1300 court appearances per month. During the same time period, 29 total hours of overtime were registered regarding court appearances. These statistics average to 1 hour of overtime for every 597.93 court appearances.	
Miami Beach <i>April 15, 2010</i>	<p>A total of 9 traffic locations with 10 red light cameras installed.</p> <p>The data shows that the number of crashes at red light camera intersections has gone down since the inception of the program. From FY 2009-10 to FY 2010-11, the number of crashes at the 9 intersections has gone down from 59 to 49.</p> <p>Data for the first three (3) quarters of FY 2011-12 (October 2011 through June 2012), reflects a continuation of this downward trend with a total of only 19 crashes. In addition, it is important to note that the number of total crashes reported citywide has increased from 4,723 in 2009 to 5,114 in 2011 – an 8% increase.</p> <p>Crash data shows that in 2009 and 2010, most crashes took place in January and November, and spikes in 2010 and 2011 occurred in June as well as the early part of the tourist</p>	<ul style="list-style-type: none"> • Number of Notices issued: 5228 • Number of Notices of Violation challenged: 1321 • Number of Notices of Violation were dismissed after challenged: 240 • Number of Challenges Pending: 3 • Number of Uniform Traffic Citations issued: 1078 	<p>40 hours per week for Traffic Infraction Control Officer approving Notice of Violations, Sergeant approving UTC's 2 to 3 hours per week.</p> <p>Sergeant in court to 1 to 2 hours per week.</p>	\$41,300.04

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	season.			
Miami Gardens <i>November 2008</i>	<p>12 intersections have red light cameras installed.</p> <p>The number of intersection crashes has decreased significantly in all intersections throughout the city. The program has also helped with identifying suspect vehicles in crimes. The video has captured several crashes that have been or are being used in traffic related criminal prosecutions. Miami Gardens has noticed a significant change in the driving behavior of residents.</p> <p>Pre-Camera 2008 / Post Camera 2011:</p> <ul style="list-style-type: none"> • NW 183rd Street & NW 27th Ave. – 38 / 6 accidents • NW 183rd Street & NW 17th Ave. – 20 / 10 accidents • NW 211 Street & NW 27 Avenue – 7 / 3 accidents • NW 199 Street & NW 2 Avenue – 10 / 2 accidents • NW 207 Street & NW 27 Avenue – 19 / 9 accidents • NW 175 Street & NW 27 Avenue – 29 / 3 accidents • NW 215 Street & NW 2 Avenue – 11 / 4 accidents • NW 183 Street & NW 7 Avenue – 22 / 6 accidents • NW 199 Street & NW 27 Avenue – 20 / 4 accidents • NW 183 Street & NW 37 Avenue – 17 / 5 accidents • NW 167 Street & NW 27 Avenue – 22 / 4 accidents • NW 167 Street & NW 27 Avenue – 51 / 29 accidents 	<ul style="list-style-type: none"> • Number of Notices issued: 62937 • Number of Notices of Violation challenged: 12101 • Number of Notices of Violation were dismissed after challenged: 10206 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: N/A 	<p>The reduction in crashes at intersections has allowed Miami Gardens to redeploy assets to address other traffic issues, quality of life concerns and crime reduction. Injury crashes have also had a noted decline.</p> <p>A reduction or increase in traffic court appearances would be difficult to determine if not impossible. The Red Light Camera Program has freed officers to engage in other traffic related enforcement activities. Miami Gardens does not track traffic court appearances by type of citation issued.</p>	\$605,772.33
Miami Springs <i>January 9, 2012</i>	<p>3 intersections have 4 red light cameras installed.</p> <p>Video from the Red Light Safety Cameras has been used in</p>	<ul style="list-style-type: none"> • Number of Notices issued: 6651 • Number of Notices of 	In regards to police manpower, Miami Springs does not have any statistical information on this.	\$51,228.28

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FY 2011-12
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	Pre-Camera / Post Camera Data and Comments from Municipalities	Statistical Data Covering the Period of July 1, 2011 to June 30, 2012	Impact on Police Manpower and Impact on Police Court Time	Funds to Municipalities from October 2011 to September 2012
	<p>a number of criminal investigations.</p> <p><u>Pre-Camera FY 2010-11 and Post-Camera FY 2011-12</u></p> <p>NW 36 St @ 42 Ave– FY 2010/11 – 22 crashes FY 2011/12 – 17 crashes</p> <p>NW 36 St @ NW South River Dr – FY 2010/11 – 4 crashes FY 2011/12 – 4 crashes</p> <p>NW 36 St @ Curtiss Pkwy (NW 57 Av) – FY 2010/11 – 2 crashes FY 2011/12 – 2 crashes</p>	<p>Violation challenged: N/A</p> <ul style="list-style-type: none"> • Number of Notices of Violation were dismissed after challenged: 79 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 2048 	<p>In regards to Police court time for traffic infractions due to the red-light camera installations, there was an increase for appearance hours for our Public Service Aides due to the fact that they are assigned the task to appear in court for all Red Light Camera violations. Overall, the program has not affected court time for other officers.</p>	
North Miami 2008	<p>10 intersections have red light cameras installed.</p> <p>The public is aware of the red light cameras in the City of North Miami and because of that; it has increased obedience of the traffic signal law. This is a huge tool in protecting public health, traffic safety, and the welfare of the citizens of North Miami by reducing red light running incidents.</p> <p>Pre-Camera 2007 / Post-Camera 2011:</p> <ul style="list-style-type: none"> • Biscayne Blvd. & NE 151 St. – 1 / 12 accidents • Biscayne Blvd. & NE 123 St. – 0 / 63 accidents • Biscayne Blvd. & NE 135 St. – 63 / 46 accidents 	<ul style="list-style-type: none"> • Number of Notices issued: 69238 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 25854 	<p>As noted by the IACP (International Association of Chiefs of Police), Red Light Cameras (RLCs) are known to be a force multiplier and allow police departments to uniformly enforce traffic laws while tending to other more serious criminal issues. RLCs also allow the North Miami Police Department to provide uninterrupted traffic enforcement without assigning an officer to watch the particular intersection. This enables the department to enhance its</p>	\$698,372.10

**Attachment 1
FY 2011-12
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	Pre-Camera / Post Camera Data and Comments from Municipalities	Statistical Data Covering the Period of July 1, 2011 to June 30, 2012	Impact on Police Manpower and Impact on Police Court Time	Funds to Municipalities from October 2011 to September 2012
	<ul style="list-style-type: none"> • 135 St. & NE 6 Ave. – 44 / 49 accidents • 135 St. & West Dixie Hwy. – 37 / 33 accidents • 135 St. & NW 7 Ave. – 12 / 12 accidents • 135 St. & NW 6 Ct. – 19 / 16 accidents • Opa-Locka Blvd. & NW 7 Ave. – 14 / 9 accidents • Opa-Locka Blvd. & NW 6 Ave. – 20 / 19 accidents • 125 St. & NE 6 Ave. – 57 / 56 accidents 		<p>enforcement efforts without added costs, providing a cost-savings to the community.</p> <p>Unable to determine if court time has increased or decreased since the installations of RLCs due to officers writing more or less citations. Since RLCs were installed, officers and PSAs have to attend RLC court when a recipient of a RLC UTC requests a court hearing. We usually spend roughly about 40 hours a month in RLC court. This is separate from regular traffic court.</p>	
Sweetwater	<p>4 intersections have red light cameras installed.</p> <p>Drivers are more cautious while driving through the intersections.</p>	<ul style="list-style-type: none"> • Number of Notices issued: 4073 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 1087 	<i>Response not available at time of printing.</i>	\$32,444.83

**Attachment 1
FY 2011-12
Red Light Camera Survey**

Jurisdictions Outside of Miami-Dade County					
Red Light Camera Jurisdictions & Implementation Date	Rate of Accidents		Benefits	Revenues	
	Pre-Camera / Post Camera Data Comments from Jurisdictions		Statistical Data Covering the Period of July 1, 2011 to June 30, 2012	Impact on Police Manpower and Impact on Police Court Time	Funds to Municipalities
Fort Lauderdale	6 intersections have red light cameras installed. Incidents of Red Light Violations have diminished.		<ul style="list-style-type: none"> • Number of Notices issued: 19534 • Number of Notices of Violation challenged: 166 • Number of Notices of Violation were dismissed after challenged: 166 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 5314 	<i>Response not available at time of printing.</i>	<i>Response not available at time of printing.</i>
Hollywood <i>December 2010</i>	10 monitored intersections with a total of 19 cameras installed. Public perception that every intersection in the City of Hollywood is video monitored. FY 2011-2012 crash data at camera locations: <ul style="list-style-type: none"> • Side impact crashes remained the same; • Rear end crashes increased; and • Total number of crashes remained the same. 		<ul style="list-style-type: none"> • Number of Notices issued: 37031 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 14454 	The data is not available for police manpower at monitored intersections. Hollywood police consistently attend a minimum of 4 red light court dockets a week.	Generated funds from the City Of Hollywood to the state in FY 2011-2012 were \$1,817,285.
Tampa <i>October 1, 2011</i>	15 intersections have red light cameras installed. Video has been used to solve a number of crimes. Crashes have decreased at the intersections in which cameras are present.		<ul style="list-style-type: none"> • Number of Notices issued: 52760 • Number of Notices of Violation challenged: N/A • Number of Notices of Violation were dismissed after challenged: N/A 	Tampa police rarely work intersections for red light violations with the Red Light Cameras in place, as the cameras will now capture the infraction. They still work these intersections for seatbelt violations.	The City of Tampa does not deposit any fund to Hillsborough County from the Red Light Cameras.

**Attachment 1
FY 2011-12
Red Light Camera Survey**

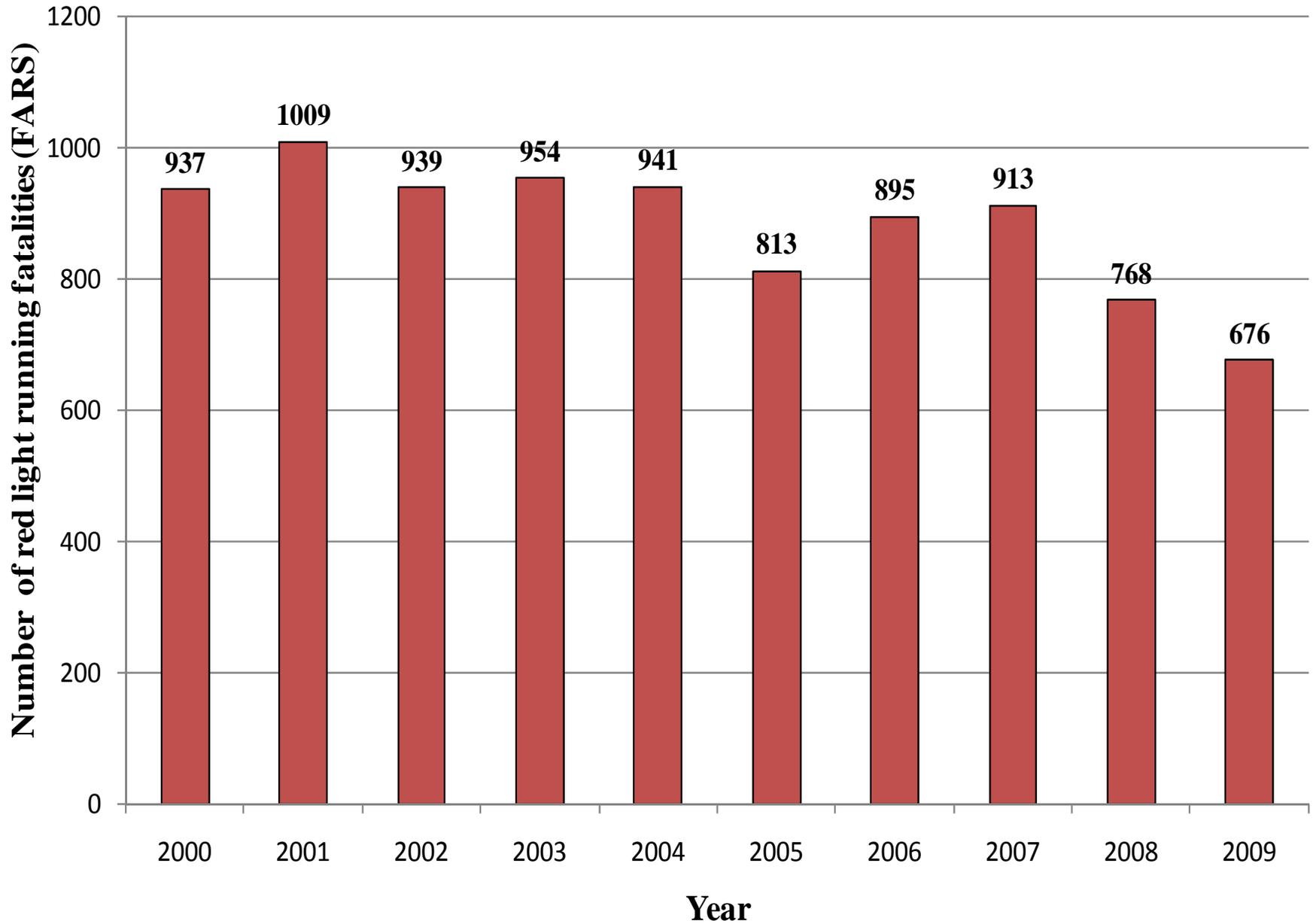
Jurisdictions Outside of Miami-Dade County				
Red Light Camera Jurisdictions & Implementation Date	Rate of Accidents	Statistical Data Covering the Period of July 1, 2011 to June 30, 2012	Benefits	Revenues
	Pre-Camera / Post Camera Data Comments from Jurisdictions		Impact on Police Manpower and Impact on Police Court Time	Funds to Municipalities
		<ul style="list-style-type: none"> • Number of Challenges Pending: N/A • Number of Uniform Traffic Citations issued: 16946 	Court Time has increased due to the sheer volume of red-light citations being issued.	
Hillsborough County <i>Dec. 29, 2009</i>	<p>6 intersections have red light cameras installed.</p> <p>By having the cameras at these intersections it has allowed us to identify possible contributing factors to some violations. The Sheriff's Office has shared these observations and video with the Hillsborough County Traffic Department. After a discussion between our two agencies changes have been made within these intersections in an attempt to improve the safety at these locations.</p> <ul style="list-style-type: none"> • The number of side-impact crashes in these intersections has decreased. • The total number of crashes occurring within these intersections has decreased. • The number of rear-end crashes occurring at these intersections have remained the same. • Less than 1% of our violations are for right turns on red. • The total number of violations has decreased every year which could indicate driver behavior has been modified on these roadways. <p>Pre-Camera 2008 / Post-Camera 2011:</p> <ul style="list-style-type: none"> • Sligh / Habana – 21 / 18 accidents • Brandon Town Center/60 – 82 / 40 accidents • Bell Shoals Rd./Bloomingdale – 67 / 36 accidents 	<ul style="list-style-type: none"> • Number of Notices issued: 30052 • Number of Notices of Violation challenged: 62 • Number of Notices of Violation were dismissed after challenged: 62 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 8430 	Having video evidence of the violations deters the number of contested UTC's.	N/A

**Attachment 1
FY 2011-12
Red Light Camera Survey**

Jurisdictions Outside of Miami-Dade County				
Red Light Camera Jurisdictions & Implementation Date	Rate of Accidents	Statistical Data Covering the Period of July 1, 2011 to June 30, 2012	Benefits Impact on Police Manpower and Impact on Police Court Time	Revenues Funds to Municipalities
	<ul style="list-style-type: none"> • BB Downs/Fletcher – 93 / 58 accidents • Waters Ave. /Anderson Rd. – 66 / 48 accidents • Waters Ave./Dale Mabry Hwy. – 66 / 40 			
Orange County	<p>10 intersections have red light cameras installed.</p> <p>Drivers in Orange County are more aware of red light camera installations. Law enforcement has utilized camera data for traffic crash investigations.</p>	<ul style="list-style-type: none"> • Number of Notices issued: 15816 • Number of Notices of Violation challenged: N/A • Number of Notices of Violation were dismissed after challenged: 100 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 5172 	Non-Sworn Sheriff's Office Employee issues Notices of Violations, reviews Notice of Violation challenges, issues Uniform Traffic Citations.	N/A
Palm Beach County Sept. 2011	<p>Pre-camera from Sept. 1, 2010 to Sept. 1, 2011:</p> <ul style="list-style-type: none"> • W Palmetto Park Rd. and Powerline – 58 accidents • Lake Worth Rd. and S. Military Trail – 87 accidents • Atlantic Ave. and S. Jog Rd. – 59 accidents • Lantana Rd. and S. Jog Rd. – 54 accidents <p>Post-camera from Sept. 1, 2011 to Jan. 1, 2012:</p> <ul style="list-style-type: none"> • W Palmetto Park Rd. and Powerline – 24 accidents • Lake Worth Rd. and S. Military Trail – 17 accidents • Atlantic Ave. and S. Jog Rd. – 19 accidents • Lantana Rd. and S. Jog Rd. – 12 accidents 	<ul style="list-style-type: none"> • Number of Notices issued: 5624 • Number of Notices of Violation challenged: 0 • Number of Notices of Violation were dismissed after challenged: 0 • Number of Challenges Pending: 0 • Number of Uniform Traffic Citations issued: 1473 	According to Palm Beach County, they have very limited information regarding the effectiveness of the cameras. Currently, PBC has 2 Deputies working with 10 cameras. We average 10 man-hours per Deputy per week, reviewing violations and preparing court packets. Successes in court have minimal at best. <i>No process for reviews of Notices of Violation challenges.</i>	N/A

Attachment 2

Red Light Running Fatalities in the United States (2000-2009)



Cont. Attachment 2

Proportions of Red Light Running Fatalities to Total Fatalities in the United States (2000-2009)

Year	Red Light Running (RLR) Fatalities*	Total Fatalities	Intersection Fatalities	Proportion of RLR fatalities/ Total fatalities	Proportion of RLR fatalities/ Intersection fatalities
2000	937	41,945	8,689	0.022	0.108
2001	1009	42,196	8,922	0.024	0.113
2002	939	43,005	9,273	0.022	0.101
2003	954	42,884	9,362	0.022	0.102
2004	941	42,836	9,176	0.022	0.103
2005	813	43,510	9,238	0.019	0.088
2006	895	42,708	8,850	0.021	0.101
2007	913	41,259	8,703	0.022	0.105
2008	768	37,423	7,809	0.021	0.098
2009	676	33,808	7,043	0.020	0.096

•Fatality Analysis Reporting System (FARS)

NOTES:

- RLR intersection fatalities include FARS "Relation to Junction" attributes 2) intersection (non-interchange), 3) intersection related (non-interchange), and 4) driveway, alley access, etc. (non-interchange).
- Intersection fatalities include FARS "Relation to Junction" attributes 2) intersection (non-interchange) and 3) intersection related (non-interchange).

CLERK OF THE COURTS
\$67.50.00 Red Light Camera to Municipalities
OCTOBER 2011 TO SEPTEMBER 2012

NO.	MUNICIPALITY	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
31P	CITY OF MIAMI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
01	CITY OF MIAMI	\$48,786.03	\$55,783.46	\$50,844.55	\$66,561.41	\$61,110.80	\$40,791.83	\$54,822.72	\$83,427.12	\$94,791.75	\$97,125.81	\$108,467.20	\$93,528.36	\$856,041.04
02	MIAMI BEACH	4,174.14	3,799.69	3,531.12	4,167.54	3,436.26	4,311.50	3,307.92	3,435.01	2,983.62	2,564.42	3,193.61	2,395.21	41300.04
03	CORAL GABLES	11,271.14	7,650.83	9,193.44	9,581.91	11,912.23	9,031.30	8,878.10	7,843.94	9,271.37	6,510.69	9,128.89	7,444.74	107718.58
04	HIALEAH	1,198.99	808.40	1,295.25	722.13	947.17	342.09	274.60	99.54	216.13	197.85	279.51	208.41	6590.07
05	MIAMI SPRING	0.00	0.00	0.00	0.00	0.00	1,687.50	7,011.93	8,810.21	8,818.78	8,429.54	8,397.14	8,073.18	51228.28
06	N.MIAMI	50,471.26	46,097.41	51,824.83	53,796.25	64,094.98	41,163.65	47,196.17	74,193.11	65,718.73	72,987.88	76,006.45	54,821.38	698372.10
07	N.MIAMI BEACH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08	OPA-LOCKA	4,979.55	2,382.97	2,193.16	2,337.75	5,240.91	4,886.55	5,138.02	7,324.15	9,478.23	8,603.62	9,592.27	7,719.11	69876.29
09	S. MIAMI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	HOMESTEAD	5,558.74	2,974.63	3,572.37	4,343.84	5,355.13	2,640.02	2,830.38	4,755.57	5,320.75	5,947.90	6,990.60	5,769.10	56059.03
11	M.SHORES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,901.19	-6,901.19	0.00	0.00	0.00
12	BAL. HARBOUR	5,150.10	5,373.54	6,509.10	4,195.25	3,089.16	1,877.96	3,083.17	6,744.08	0.00	13,467.16	5,841.27	4,796.34	60127.13
13	BAY HARBOR IS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	SURFSIDE	7,107.79	6,191.27	3,994.02	5,988.62	6,665.08	7,509.05	7,715.70	7,727.67	8,902.78	7,229.26	8,705.11	4,632.18	82368.53
15	W. MIAMI	2,162.06	4,793.87	9,831.63	11,668.28	6,969.55	4,337.87	6,206.96	8,653.54	8,040.82	9,118.28	10,708.47	11,136.96	93628.29
16	FL. CITY	9,511.77	12,775.52	12,522.25	11,480.90	12,913.34	13,084.48	17,482.90	23,278.54	21,921.10	19,771.28	22,376.32	16,067.54	193185.94
17	BISCAYNE PARK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	EL PORTAL	818.07	1,363.40	1,700.10	2,860.35	2,804.14	2,374.99	1,938.92	1,102.31	1,144.21	1,777.10	1,725.90	1,326.97	20936.46
19	GOLDEN BEACH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	INDIAN CREEK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	MEDLEY	0.00	0.00	0.00	0.00	0.00	0.00	181.30	1,971.63	2,332.19	5,566.84	4,387.89	3,273.23	17713.08
23	N.BAY VILL.	3,288.86	3,513.81	3,201.31	3,687.32	3,432.55	2,401.49	2,446.54	3,303.62	3,050.89	3,067.54	3,956.57	2,703.29	38053.79
25	SWEETWATER	1,215.00	1,282.50	2,395.14	3,170.58	3,342.62	2,894.73	3,441.57	2,522.40	3,137.35	1,933.75	2,367.08	4,742.11	32444.83
26	V. GARDEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	HIALEAH GARDEN	2,581.15	2,095.78	2,395.61	1,856.37	2,789.34	1,897.76	2,645.21	2,811.43	3,019.78	2,367.94	2,912.85	2,075.67	29448.89
28	MICCOS.IND.TR.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	DADE COUNTY PUBLIC SCHOOLS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	VIL.OF KEY BIS.	1,552.50	1,341.93	1,620.00	1,485.00	1,485.00	1,949.43	1,898.07	1,253.02	1,350.00	774.72	768.86	1,496.95	16975.48
85	AVENTURA	17,598.62	16,667.25	23,574.24	18,969.52	16,563.88	13,565.22	17,880.72	18,445.00	22,544.34	20,226.64	26,686.80	19,053.41	231775.64
86	PINECREST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	SUNNY ISL BEACH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	MIAMI LAKES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	PALMETTO BAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	DORAL	4,814.85	9,219.76	8,510.36	13,155.95	13,092.41	13,023.58	15,770.80	13,148.28	13,827.35	13,408.32	13,379.14	9,261.05	140611.85
100	MIAMI GARDENS	58,683.50	56,490.11	41,152.60	49,921.45	67,409.98	41,157.52	38,126.38	50,738.76	46,986.91	47,634.34	53,453.83	54,016.95	605772.33
104	Town of Cutler Bay	2,338.27	3,037.49	3,795.94	3,373.85	2,784.10	1,950.85	2,857.24	3,984.84	5,762.42	4,559.23	5,336.44	5,389.97	45,170.64
	SUB-TOTAL	\$243,262.39	\$243,643.62	\$243,657.02	\$273,324.27	\$295,438.63	\$212,879.37	\$251,135.32	\$335,573.77	\$345,520.69	\$346,368.92	\$384,662.20	\$319,932.11	\$3,495,398.31

