

Red Light Camera Program



Gregory W. Rushin
Chief of Police

Plano Program

- First cameras installed in March 2006
- Currently operating 19 cameras at 16 intersections
- Contract with Redflex Traffic Systems, Inc. for a fixed monthly fee
- \$75 civil penalty

Locations of Cameras

15th Street @ Independence Parkway;
Park Boulevard @ Ventura Drive;
Spring Creek Parkway @ Custer Road;
Eastbound Legacy Drive @ Dallas Parkway;
Westbound Legacy Drive @ Dallas Parkway;
Coit Road @ Spring Creek Parkway;
Parker Road @ Dallas Parkway;
Plano Parkway @ Dallas Parkway;
Jupiter Road @ Plano Parkway;
Preston Road @ Plano Parkway;
State Highway 121 @ Custer Road;
State Highway 121 @ Dallas Parkway;
Preston Road @ Spring Creek Parkway;
Coit Road @ Park Boulevard;
Northbound Independence Parkway @ Spring Creek Parkway;
Southbound Independence Parkway @ Spring Creek Parkway;
Northbound Preston Road @ Park Boulevard;
Southbound Preston Road @ Park Boulevard; and
State Highway 121 @ Preston Road.

Redflex Duties

- Install and maintain cameras
- Review violations and forward to Plano PD for officer review
- Bill violations

Violation Process

- Camera captures 12 second video and two still photos
 - first still shows vehicle before entering intersection with light red
 - photos display length of time light was red when image was captured
- Redflex reviews video and photos

Violation Process - Continued

- Redflex sends video and photo evidence to Plano PD if it appears to be a true violation
- Evidence is reviewed by sworn officer
- If true violation, Plano PD authorizes Redflex to issue civil Notice of Violation

Violation Process - Continued

- Notice of Violation is mailed to owner of vehicle
- Owner is provided link to view video of violation
- Violation may be appealed to an Administrative Hearing Officer
- Further appeal may be made to Plano Municipal Court

Intersection	Crashes reported during 18 months prior to installation of red light cameras				Crashes reported during 18 months since installation of red light cameras				% Change in Total Intersection Crashes
	Red Light Violation Crashes	*Total Intersection Crashes	Rear-End Crashes	Total Crashes	Red Light Violation Crashes	*Total Intersection Crashes	Rear-End Crashes	Total Crashes	
15th St @ Independence Pkwy	5	15	5	37	2	3	6	32	-80.0%
Legacy Dr @ Dallas Pkwy	20	60	5	79	25	35	12	59	-41.7%
Park Blvd @ Ventura Dr	13	17	8	28	9	9	9	20	-47.1%
Spring Creek Pkwy @ Custer Rd	15	26	8	46	2	17	9	43	-34.6%
Coit Rd @ Spring Creek Pkwy	8	20	17	64	9	20	12	53	No Change
Parker Rd @ Dallas Pkwy	15	51	19	99	5	17	18	57	-66.7%
Plano Pkwy @ Dallas Pkwy	19	27	9	49	20	26	9	46	-3.7%
Jupiter Rd @ Plano Pkwy	5	10	17	52	7	16	15	50	60.0%
Preston Rd @ Plano Pkwy	21	40	30	99	16	26	23	68	-35.0%
SH 121 @ Custer Rd	9	37	9	60	5	9	10	36	-75.7%
SH121 @ Dallas Parkway	26	38	38	114	11	23	47	106	-39.5%
Preston Road @ Spring Creek	11	28	19	57	8	15	21	53	-46.4%
Coit Rd @ Park Blvd	6	19	26	82	3	12	27	82	-36.8%
**Totals	173	388	210	866	122	228	218	705	-41.2%

Red Light Camera Program Progress

The Automated Red Light Camera Enforcement Program has had a significant impact on traffic safety at the monitored intersections.

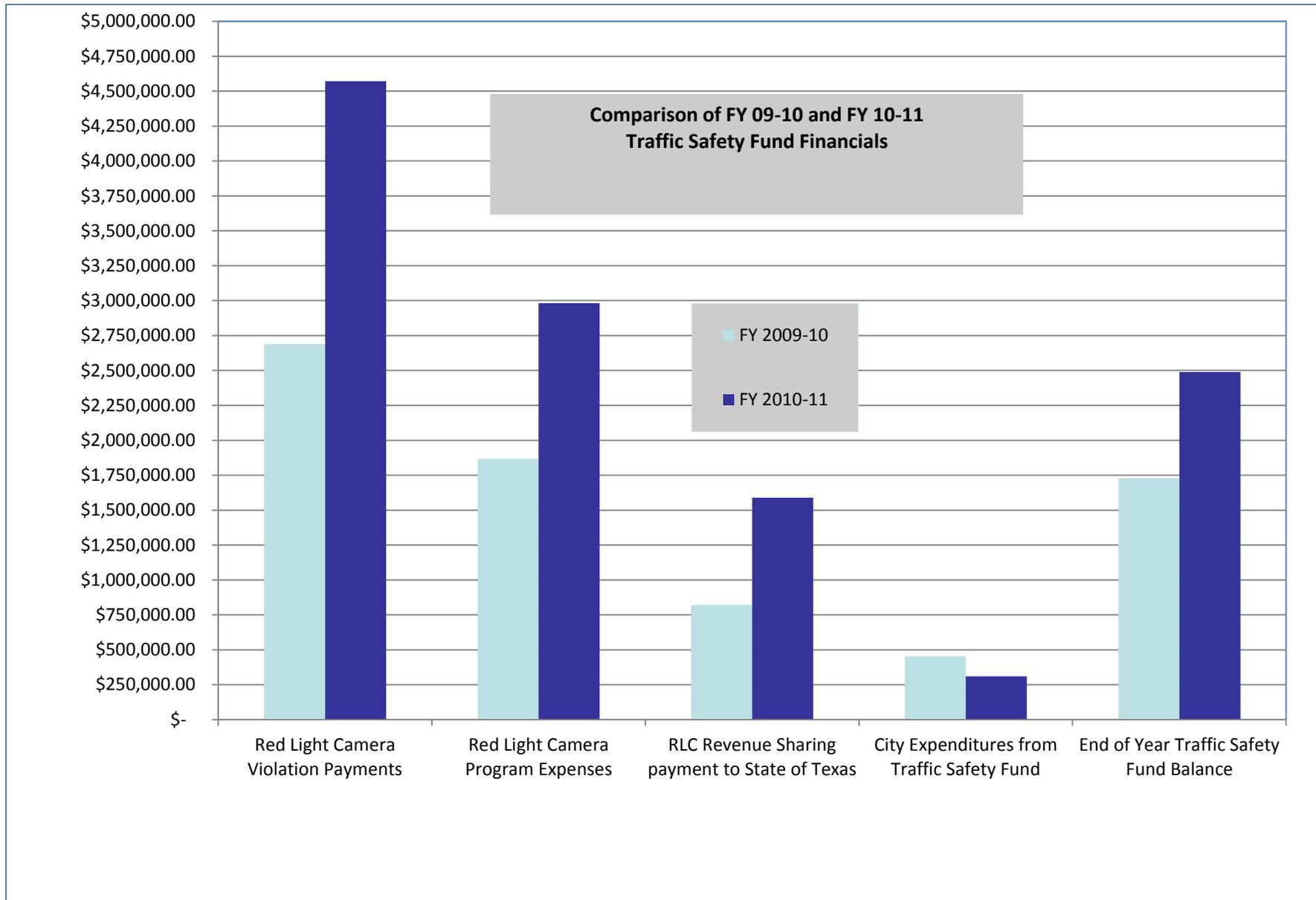
	2005 Jan –Dec	2010 Jan –Dec	Difference	% Difference
Crashes	684	321	363	-53%
Red Light	158	120	38	-24%
Rear End	181	86	95	-52%
Intersection	332	203	129	-39%

Revenue

- Pay expenses of operating the system
- Share half with state to fund trauma centers
- Equipment, education and projects to improve traffic safety

Projects Funded

- Battery backup systems for signal lights
- Electronic handheld citation writers
- Pedestrian crosswalk signals
- Stop Stick tire deflation devices
- Sand spreaders
- Replacement and additional radars
- DWI and other additional traffic enforcement
- Educational commercials at theatres and on Billboards



Traffic Safety Fund Financials

- FY 2010-11 ended with a balance of \$2,489,090.59 in the Traffic Safety Fund.
- The City of Plano received \$4,571,345.14 in revenue from the payment of Red Light Camera violations during FY 2010-11, compared to \$2,689,090.38 in FY 2009-10.
- Red Light Camera expenses totaled \$2,982,241.26 in FY 2010-11, including the RLC Revenue Sharing obligation to the State of Texas as mandated by law. RLC expenses in FY 2009-10, including the revenue sharing payment for that year, totaled \$1,867,580.13.
- The FY 2010-11 RLC revenue share obligation for the City of Plano is \$1,589,103.88, compared to \$821,510.25 in FY 2009-10.

Analysis of Red Light Camera Revenue & Program Cost

	FY 2005-2006*	FY 2006-2007	FY 2007-2008	FY 2008-2009	FY 2009-2010	FY 2010-2011
Gross Violation Revenue Per Fiscal Year	\$ 434,300.87	\$ 837,959.00	\$ 1,565,647.33	\$ 2,400,482.38	\$ 2,689,090.38	\$ 4,571,345.14
Annual Operating Costs	\$ 141,963.00	\$ 514,204.00	\$ 992,936.28	\$ 998,640.69	\$ 1,046,069.87	\$ 1,393,137.38
State Revenue Share	\$ -	\$ 3,503.45	\$ 311,618.56	\$ 700,920.74	\$ 821,510.26	\$ 1,589,103.88
City's Net Revenue	\$ 292,337.87	\$ 320,251.55	\$ 261,092.49	\$ 700,920.95	\$ 821,510.25	\$ 1,589,103.88
Number of Citations Issued	7,378	13,967	27,855	36,380	48,420	70,632
City Revenue Per Violation	\$ 39.62	\$ 22.93	\$ 9.37	\$ 19.27	\$ 16.97	\$ 22.50
Interest for Traffic Safety Fund per Fiscal Year {Does not factor in State Revenue Sharing}	\$ -	\$ 5,962.50	\$ 32,417.85	\$ 25,157.98	\$ 23,719.51	\$ 65,402.24

Current Traffic Safety Fund Balance as of 10/31/11

\$ 2,516,351

* Plano RLC Program began
March 2006

Collections

- Plano's Collection Rate – 80.4%
- Average Rate of Texas RLC Program – 70.5%
- RedFlex contracts with a collection agency
- Additional collection options:
 - File in Justice of the Peace Court – explored, but costly
 - Flag license plate – Collin County Tax Assessor said no