

**Red Light
Safety
Program**

**Suffolk County
New York**



SUFFOLK COUNTY
RED LIGHT SAFETY PROGRAM
2010 CALENDAR YEAR
ANNUAL REPORT



SUFFOLK STOPS ON RED

SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM ~ 2010 ANNUAL REPORT



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REPORT PREPARED BY:

Suffolk County Red Light Safety Program
Suffolk County Department of Public Works

ISSUED:

January, 2012

I. INTRODUCTION & PURPOSE OF THIS REPORT

Suffolk County's Red Light Safety Program was authorized by New York State Vehicle & Traffic Law § 1111-b, enacted in May of 2009 and Suffolk County Local Law 20-2009, which went into effect June 30, 2009. The authorizing legislation permits the installation of red light cameras at up to 50 intersections in Suffolk County, and is a 5-year pilot program which ends on December 1, 2014.

Suffolk County's Red Light Safety Program is focused on changing driver behavior at signalized intersections through a comprehensive effort involving engineering, education and enforcement. The Suffolk County Red Light Safety Program uses automated enforcement to enhance the safety of motorists at signalized intersections within Suffolk County.

The New York State legislation which authorized the installation of red light cameras requires the County to issue an annual report which provides detailed information regarding program operations. This is Suffolk County's first annual report, which will reflect data for the calendar year 2010. This report represents program operations from the first day red light citations were issued, July 15, 2010 through December 31, 2010. Note that although the State law required the first report be filed by June of 2010, the County was prevented from preparing such a report because no citations were issued until July of 2010, and the information required in the report did not exist.

As required by State legislation, this report will address the following:

1. A description of the locations where traffic-control signal photo violation-monitoring systems were used;
2. The aggregate number, type and severity of accidents reported at intersections where a traffic-control signal photo violation-monitoring system is used for the year preceding the installation of such system, to the extent the information is maintained by the department of motor vehicles of this state;
3. The aggregate number, type and severity of accidents reported at intersections where a traffic-control signal photo violation-monitoring system is used, to the extent the information is maintained by the department of motor vehicles of this state;
4. The number of violations recorded at each intersection where a traffic-control signal photo violation-monitoring system is used and in the aggregate on a daily, weekly and monthly basis;
5. The total number of notices of liability issued for violations recorded by such systems;
6. The number of fines and total amount of fines paid after first notice of liability;
7. The number of violations adjudicated and results of such adjudications including breakdowns of disposition made for violations recorded by such systems;
8. The total amount of revenue realized by such county;

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9. Expenses incurred by such county in connection with the program; and
10. Quality of the adjudication process and its results.

II. RED LIGHT CAMERA LOCATIONS

Intersections for red light camera installations were selected by Suffolk County Department of Public Works based upon a variety of factors, most importantly the analysis of crash data available from the New York State Department of Transportation and consideration of where red light cameras would yield the highest safety results. All signals selected are NYSDOT owned and maintained.

Suffolk's first two red light cameras started to record issuable red light events on July 15, 2010. In total, 100 cameras are now in operation at 50 intersections. For the time period between July 15, 2010 and December 31, 2010, the following 59 cameras were recording red light violations, listed in the order of date operational:

SUFFOLK COUNTY RED LIGHT CAMERA LOCATIONS OPERATIONAL - 2010

#	Enforcement Street	Cross Street	Direction	Hamlet	Start Date for Recording Violations	Location Code
1	CR 93 (Ocean Ave)	I495S	NB	Ronkonkoma	7/15/2010	101
2	I495S	CR 93 (Ocean Ave)	EB	Ronkonkoma	7/15/2010	103
3	NY454	CR 100 (Suffolk Ave)	NB	Islandia	8/17/2010	621
4	Ronkonkoma Ave	I495N	SB	Ronkonkoma	8/18/2010	112
5	I495N	Ronkonkoma Ave	WB	Ronkonkoma	8/18/2010	114
6	NY454	CR 100 (Suffolk Ave)	SB	Islandia	8/18/2010	622
7	CR 67 (Motor Pkwy)	NY454	WB	Hauppauge	8/19/2010	474
8	NY454	CR 67 (Motor Pkwy)	SB	Hauppauge	8/20/2010	472
9	CR 67 (Motor Pkwy)	NY454	EB	Hauppauge	8/20/2010	473
10	NY454	CR 67 (Motor Pkwy)	NB	Hauppauge	8/23/2010	471
11	I495N (Exit 57)	CR 67 (Motor Pkwy)	WB	Hauppauge	9/21/2010	14
12	NY27N	CR112 (Johnson Ave)	WB	Bohemia	9/21/2010	74
13	NY111	I495S	NB	Hauppauge	9/25/2010	151

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SUFFOLK COUNTY RED LIGHT CAMERA LOCATIONS OPERATIONAL - 2010

	Enforcement Street	Cross Street	Direction	Hamlet	Start Date for Recording Violations	Location Code
14	I495N	CR 93 (Ocean Ave)	WB	Patchogue	9/25/2010	184
15	NY27N	NY112	WB	Bohemia	9/30/2010	424
16	NY27S	CR 112 (Johnson Ave)	EB	Bohemia	9/26/2010	453
17	NY112	NY27N	SB	Bohemia	9/30/2010	422
18	I495N	Old Nichols Rd	WB	Islandia	10/2/2010	144
19	NY25	Pidgeon Hill Rd	WB	Huntington	10/4/2010	94
20	CR 112 (Johnson Ave)	NY27N	SB	Bohemia	10/12/2010	72
21	NY25	Holbrook Rd	EB	Centereach	10/18/2010	343
22	NY25	Holbrook Rd	WB	Centereach	10/18/2010	344
23	CR 67 (Motor Parkway)	I495N (Exit 57)	SB	Hauppauge	10/19/2010	12
24	Old Nichols Rd	I495N	SB	Islandia	10/19/2010	142
25	CR 93 (Ocean Ave)	I495N	SB	Ronkonkoma	10/19/2010	182
26	CR 112 (Johnson Ave)	NY27S	NB	Bohemia	10/19/2010	451
27	CR 4 (Commack Rd)	I495N	SB	Commack	10/22/2010	52
28	NY25	Pidgeon Hill Rd	EB	Huntington	10/22/2010	93
29	NY25	Eastwood Blvd	EB	Centereach	10/22/2010	123
30	NY25	Eastwood Blvd	WB	Centereach	10/22/2010	124
31	CR 97 (Nicholls Rd)	NY347	NB	Setauket	10/31/2010	161
32	CR 97 (Nicholls Rd)	NY347	SB	Setauket	10/31/2010	162
33	NY347	CR 97 (Nicholls Rd)	EB	Setauket	10/31/2010	163
34	NY347	CR 97 (Nicholls Rd)	WB	Setauket	11/16/2010	164
35	I495 (LIE SSR)	NY112	EB	Medford	11/10/2010	733
36	CR 67 (Motor Pkwy)	I495S (Exit 57)	NB	Hauppauge	11/5/2010	211
37	NY110	CR 47 (Great Neck Rd)	NB	N. Amityville	11/24/2010	391
38	I495N	CR4 (Commack Rd)	WB	Commack	11/13/2010	54
39	NY109	CR 28 (New Hwy)	EB	Lindenhurst	11/20/2010	223
40	I495S	NY111	EB	Hauppauge	11/18/2010	153
41	NY110	CR 47 (Great Neck Rd)	SB	Lindenhurst	11/17/2010	392

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SUFFOLK COUNTY RED LIGHT CAMERA LOCATIONS OPERATIONAL - 2010

	Enforcement Street	Cross Street	Direction	Hamlet	Start Date for Recording Violations	Location Code
42	NY112	I495N	SB	Medford	11/2/2010	742
43	NY112	I495 (LIE SSR)	NB	Medford	11/10/2010	731
44	NY25	Marshall Dr/Paula Blvd	EB	Selden	12/6/2010	443
45	NY25	Marshall Dr/Paula Blvd	WB	Selden	12/6/2010	444
46	NY25	Boyle Rd	WB	Selden	12/7/2010	174
47	NY25	CR 83	WB	Selden	12/6/2010	304
48	NY25	CR 83	EB	Selden	12/7/2010	303
49	CR 83	NY25	SB	Selden	12/7/2010	302
50	NY25	Boyle Rd	EB	Selden	12/8/2010	173
51	I495S (Exit 57)	CR 67 (Motor Pkwy)	EB	Hauppauge	12/16/2010	213
52	I495N	NY112	WB	Medford	12/8/2010	744
53	CR 47 (Great Neck Rd)	NY110	WB	N. Amityville	12/17/2010	394
54	CR 28 (New Hwy)	NY109	NB	Lindenhurst	12/17/2010	221
55	NY347	Stony Brook Rd	WB	Stony Brook	12/18/2010	834
56	CR 83	NY25	NB	Selden	12/7/2010	301
57	NY109	CR 28 (New Hwy)	WB	Lindenhurst	12/22/2010	224
58	NY347	NY25	SB	Lake Grove	12/21/2010	822
59	NY25	NY347	WB	Lake Grove	12/21/2010	824

III. ACCIDENT DATA

Introduction

Although Suffolk County's Red Light Camera program consists of 50 intersections, the accident analysis included in this report depicts only the 25 intersections that were constructed in the year 2010. The accident data was requested from the NYSDOT for the time period of May 2009 to the present time. The reports received were from the NYSSDMV Accident Location Information System (ALIS) and included Accident Verbal Description Reports from May 1, 2009 to January 31, 2011.

Methodology

The pre-construction red light camera accident analysis consisted of examining all the accident data for each intersection from the red light camera start date of violation recordings to a 12 month period prior to this date. For example if the red light camera at a specific intersection started to record violations on July 15, 2010, pre-construction accident data was analyzed from July 15, 2009 to July 14, 2010. It should be noted that the pre-construction analysis for each of the 25 intersections will represent a different 12 month period.

The post-construction red light camera analysis included examining all the accident data from the start date of recording violations to December 31, 2010 for each camera. Intersections that were recording violations for less than 30 days were excluded from the analysis due to the short time period.

The summary tables include the total number of reported accidents and a total for non-reportable accidents. Non-reportable accidents are defined as accidents with less than \$1,000 in total property damages. These accidents are not included in the accident summary breakdowns because pertinent information that would be required in our statistical analysis may be unavailable. Intersections for both pre-construction and post-construction were analyzed and summarized based on both 'Type of Collision' and 'Severity'. This breakdown will help assist in determining the exact impact the red light camera program had in type and severity of accidents. The accident summary for type of collision included the following breakdown; right angle, rear end, left turn, right turn, head on, fixed object, pedestrian/bicycle, over-taking, backing and other or unknown. The accident summary for severity included a breakdown of accidents by property damage, injury and fatality.

Findings

This report covers the initial start-up phase of the program's implementation, a period of less than six months. New red light camera violation systems were being constructed and added to the program each month over the course of this limited timeframe, with less than 25% of the scheduled systems in operation by the end this reporting period. At this time there is insufficient information to provide for a meaningful statistical analysis to determine the impact the implementation of the red light

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camera violation system has had on traffic safety. Only one intersection was operational for approximately 6 months, while 3 intersections were operating for approximately 4 months, 9 intersections for less than 3 months, 4 intersections for approximately 2 months and 8 intersections for less than a full month. A full 12 month period of post construction data should be collected prior to forming a conclusion of the impact of the red light camera violation system. Without a full 12 months of data, anomalies due to weather, construction and special events may affect the outcome of the results and depict an irregularity in the conclusions drawn from the analysis. Future reports will be able to provide a more detailed analysis of the RLC program.

Detailed accident statistics available for the time period are attached in Appendix A.

IV. NOTICES OF LIABILITY ISSUED

The following table indicates the number of citations issued by intersection in 2010, and provides annual totals for each intersection.

SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM CITATIONS ISSUED IN 2010 BY INTERSECTION			
	Intersection	Hamlet	2010 Citations Issued
1	CR 93 (Ocean Ave) & I495S	Ronkonkoma	10,799
2	NY 454 & CR 100 (Suffolk Ave)	Ronkonkoma	4,938
3	Ronkonkoma Ave & I 495S	Ronkonkoma	5,096
4	CR 67 (Motor Pkwy) & NY 454	Hauppauge	959
5	CR 67 (Motor Parkway) & I495 N (Exit 57)	Hauppauge	3,122
6	NY27N & CR112 (Johnson Ave)	Bohemia	2,662
7	NY111 & I495S	Hauppauge	2,164
8	I495 & CR 93 (Ocean Ave)	Patchogue	906
9	NY27 & NY112	Bohemia	2,696
10	NY27 & CR 112 (Johnson Ave)	Bohemia	869
11	I495 & Old Nichols Rd	Islandia	3,438
12	NY25 & Pidgeon Hill Rd	Huntington	1,837
13	NY25 & Holbrook Rd	Centereach	990
14	I495 & CR 4 (Commack Rd)	Commack	2,639
15	NY25 & Eastwood Blvd	Centereach	1,106



SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM CITATIONS ISSUED IN 2010 BY INTERSECTION			
	Intersection	Hamlet	2010 Citations Issued
16	NY347 & CR 97 (Nicholls Rd)	Setauket	4,580
17	I495 & NY112	Medford	1,752
18	I495S (Exit 57) & CR 67 (Motor Pkwy)	Hauppauge	995
19	NY110 & CR 47 (Great Neck Rd)	N. Amityville	2,158
20	NY109 & CR 28 (New Hwy)	Lindenhurst	179
21	NY25 & Marshall Dr/Paula Blvd	Selden	728
22	NY25 & Boyle Rd	Selden	629
23	NY25 & CR 83	Selden	408
24	NY347 & NY25	Lake Grove	253
25	NY347 & Stony Brook Rd	Stony Brook	226

In summary, 56,129 citations were issued at red light camera intersections in 2010. This represents an average of 330 per day, 2,310 per week and 10,250 per month.

V. RED LIGHT CAMERA PROGRAM REVENUES & EXPENDITURES

Suffolk County’s Red Light Safety Program was structured so that County taxpayers would assume no financial risk to operate the program. All fines and fees generated by the issuance of citations are deposited directly into a Suffolk County Treasurer account and are credited to the County’s General Fund. The vendor provides a monthly invoice to the County based on the number of citations paid and contractual requirements, which are funded by the revenues received.

The first payments for red light citations were received by Suffolk County in August of 2010. In 2010, a total of \$2,136,716 in program related revenues were received by the County, and the red light camera vendor was paid a total of \$727,213.

The vendor has invested approximately \$10 million for the capital and operating costs associated with the program. Suffolk County has expended no funds, with the exception of some minor staff costs to issue citations and adjudicate cases.



VI. ADJUDICATION RESULTS

Suffolk County was the only county in New York State to have a red light safety program without having an existing traffic violations bureau to adjudicate not-guilty pleas. Originally, the New York State Traffic Violations Bureau was to adjudicate Suffolk’s red light camera cases, however the State declined taking on a new caseload, therefore another adjudication forum had to be identified.

A new part in Suffolk County First District Court in Central Islip was created in 2010 to adjudicate red light cases. To establish the new part, renovations were required at District Court to provide a new payment window for citations, red light citation video viewing stations were set up in a public access area and equipment was acquired to view videos in the court rooms. The Suffolk County Attorney’s Office prosecutes the cases, which are heard by either Judicial Hearing Officers or Judges in District Court.

In 2010, two red light citation court dates were held in December. Information regarding the disposition of cases from the first two hearing dates is shown below:

SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM CASES ADJUDICATED IN SUFFOLK COUNTY DISTRICT COURT - 2010				
# DEFENDANTS	# FOUND GUILTY AT TRIAL	# FOUND NOT GUILTY AT TRIAL	# FINE PAID	# DEFAULT JUDGMENTS ORDERED
48	4	1	35	8
% of Total	8%	2%	73%	17%

The quality of the adjudication process is high based on the following:

- The outcome of hearings has been overwhelmingly in favor of the County, indicating that the citations are being issued fairly and properly.
- Extending past the first court dates in 2010, less than 2% of individuals receiving red light citations have requested court hearings, almost half of those scheduled for court hearings pay the fine prior to court and a very small percentage have been found not-guilty in court.
- District Court provides an extraordinary high level of access to those wishing to protest their red light camera citations. The Court allows multiple motions to reschedule hearings, assuring everyone that wants to be heard in Court has the opportunity to do so.



APPENDIX A

ACCIDENT STATISTICS

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Suffolk County Red Light Camera Accident Analysis 2010 PRE-CONSTRUCTION																		
(Accident Data from Start of Violation Recording Date to 1 Year Prior)																		
Intersection Information				Total				Type of Collision					Accident Severity					
Intersection	Location Code	Start Date for Recording Violations	Hamlet	Number of Reported Accidents	Number of Non-Reportable Accidents	Right Angle	Rear End	Left Turn	Right Turn	Head On	Fixed Object	Ped/Bicycle	Over-Taking	Backing	Other/Unknown	Total Property Damage	Total Injury	Total Fatal
LIE 495 SSR at Ocean Ave.	0103	07.15.2010	Ronkonkoma	8	1	1	3								4	4	4	
NY 454 at CR 100 (Suffolk Ave.)	0622	08.18.2010	Ronkonkoma	12			5	1				2			4	4	8	
LIE 495 NSR at Ronkonkoma Ave	0114	08.18.2010	Ronkonkoma	10	1	5	3		1						1	4	6	
NY 454 at CR 67 (Motor Parkway)	0471	08.23.2010	Hauppauge	11		2	3	2	1				1		2	6	5	
CR 67 (Motor Pkwy) at LIE NSR (Exit 57)	0012	10.19.2010	Hauppauge	41		15	6		1	1			6		12	17	24	
NYS 27 NSR at NYS 112	0424	09.30.2010	Bohemia	8		3	1	1				1	1		1	1	7	
NY27N at CR112 Johnson Ave	0074	9.21.2010	Bohemia	7		1	2								4	5	2	
NYS 25 at Holbrook Road	0344	10.18.2010	Centerach	9			2	2					2		3	7	2	
LIE 495 NSR at Ocean Ave	0184	9.25.2010	Patchogue	16	1	6	4	1	1				1		3	9	7	
NYS 27 SSR at CR 112 (Johnson Ave.)	0453	9.26.2010	Bohemia	3		1	1								1	1	2	
Old Nichols Rd at LIE NSR	0142	10.19.2010	Islandia	13		5	1	1					1		5	6	7	
NYS 25 at Eastwood Boulevard	0124	10.22.2010	Centerach	10		1	3	1							5	8	2	
NYS 25 (Jericho Trmpk) at Pidgeon Hill	0094	10.4.2010	Huntington	10	1	4	2	1							3	7	3	
NYS 112 at LIE 495 SSR	0731	11.10.2010	Medford	7		1	3			1					2	4	3	
LIE 495 NSR. at CR 4 (Commack Road)	0054	11.13.2010	Commack	19	1	3	1	1					6		8	12	7	
Nicholls Road (CR 97) at NYS 347	0162	10.31.2010	Setauket	36	2	2	12	5					4		13	14	22	
NY 111 (Wheeler Rd) at LIE 495 SSR	0151	9.25.2010	Hauppauge	4	1	1					1				2	1	3	
NYS 25 at Marshall Drive /Paula Blvd	0444	12.06.2010	Selden	16	1	4	5	1				1			5	7	9	
NYS 25 at CR 83	0303	12.07.2010	Selden	19		1	14					2	1		1	10	9	
NYS 25 at Boyle Road	0174	12.07.2010	Selden	25	1	7	8	2		1					7	11	14	
CR 67 (Motor Pkwy) at LIE SSR (Exit 57)	0211	11.5.2010	Hauppauge	3	1										3	1	2	
CR 47 (Great East Neck Road) at NYS 110	0394	12.17.2010	N. Amityville	14	1	1	6					2	3		2	8	6	
NYS 347 at Stonybrook Road	0834	12.18.2010	Stony Brook	14		2	5	1					1		5	8	6	
NYS 347 at NYS 25	0822	12.21.2010	Lake Grove	21		1	6		1				2		11	17	4	
NYS 109 at CR 28, New Hwy	0224	12.22.2010	Lindenhurst	18		4	6	1	1				2		4	12	6	

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Suffolk County Red Light Camera Accident Analysis 2010 POST-CONSTRUCTION <small>(Accident Data from Violation Date to December 31, 2010, Min. 30 Days)</small>																		
Intersection Information			Total				Type of Collision						Accident Severity					
Intersection	Location Code	Start Date for Recording Violations	Hamlet	Number of Reported Accidents	Number of Non-Reportable Accidents	Right Angle	Rear End	Left Turn	Right Turn	Head On	Fixed Object	Ped/Bicycle	Over-Taking	Backing	Other/Unknown	Total Property Damage	Total Injury	Total Fatal
UE 495 SSR at Ocean Ave.	0103	07.15.2010	Ronkonkoma	2			1								1	1	1	
NY 454 at CR 100 (Suffolk Ave.)	0621	08.18.2010	Ronkonkoma	4		1		1					1		1	1	3	
UE 495 NSR at Ronkonkoma Ave	0112	08.18.2010	Ronkonkoma	3			1	1							1	2	1	
NY 454 at CR 67(Motor Parkway)	0471	08.23.2010	Hauptpaugue	3	1	1					1				1	1	1	1
CR 67 (Motor Pkwy) at UE NSR (Exit 57)	0012	10.19.2010	Hauptpaugue	3	1	2				1						2	1	
NYS 27 NSR at NYS 112	0571	09.30.2010	Bohemia	3	1		2								1	2	1	
NY27N at CR112 Johnson Ave	0074	9.21.2010	Bohemia	2		1				1						1	1	
NYS 25 at Holbrook Road	0344	10.18.2010	Centereach	1											1	1		
UE 495 NSR at Ocean Ave	0184	9.25.2010	Patchogue	1			1									1		
NYS 27 SSR at CR 112 (Johnson Ave.)	0142	9.26.2010	Bohemia	0														
Old Nichols Rd at UE NSR	0142	10.19.2010	Islandia	0														
NYS 25 at Eastwood Boulevard	0124	10.22.2010	Centereach	0														
NYS 25 (Jericho Trmpk) at Pidgeon Hill	0094	10.4.2010	Huntington	1			1									1		
NYS 112 at UE 495 SSR	0731	11.10.2010	Medford	1			1										1	
UE 495 NSR. at CR 4 (Commack Road)	0054	11.13.2010	Commack	2									1		1	1	1	
Nicholls Road (CR 97) at NYS 347	0162	10.31.2010	Setauket	3			3									2	1	
NY 111 (Wheeler Rd) at UE 495 SSR	0153	9.25.2010	Hauptpaugue	0														
NYS 25 at Marshall Drive /Paula Blvd	0444	12.06.2010	Selden	N/A														
NYS 25 at CR 83	0301	12.07.2010	Selden	N/A														
NYS 25 at Boyle Road	0174	12.7.2010	Selden	N/A														
CR 67 (Motor Pkwy) at UE SSR (Exit 57)	0213	11.5.2010	Hauptpaugue	N/A														
CR 47 (Great East Neck Road) at NYS 110	0394	12.17.2010	N. Amityville	N/A														
NYS 347 at Stonybrook Road	0834	12.18.2010	Stony Brook	N/A														
NYS 347 at NYS 25	0822	12.21.2010	Lake Grove	N/A														
NYS 109 at CR 28, New Hwy	0224	12.22.2010	Lindenhurst	N/A														

N/A - Insufficient Data for Reporting Purposes (less than 30 days)