



THE VILLAGE OF
HOMewood

1893

November 13, 2012

Illinois Department of Transportation
Traffic Operations Bureau Chief
Attn: Steve Travia
201 W. Center Court
Schaumburg, IL 60196

Dear Mr. Travia,

The attached report is being submitted to meet a requirement for the Illinois Department of Transportation (IDOT) regarding the implementation of red light cameras. According to the Red Light Running (RLR) policy, our agency is required to prepare an Evaluation Report at the conclusion of one year after the cameras are installed. This report includes the following:

Village Hall

2020 Chestnut Road
Homewood, IL 60430
Phone 708-798-3000

Village Manager's Office

Phone 708-206-3377
Fax 708-206-3496

*Community Development
and Building Department*

Phone 708-206-3385
Fax 708-206-3947

Finance Department

Phone 708-798-3000
Fax 708-798-4680

- Intersection locations
- Dates of implementation
- RLR camera system manufacturer and contractor name
- Crash data specific to RLR locations for the three (3) year period prior to and for the period post RLR camera installation
- Analysis of crash data, including a summary of any increase in crash types
- Signal timing and other settings before and after RLR camera installation
- Traffic volumes before and after RLR camera system installation
- Recommendations to further reduce red light violations and severe crashes and to improve the operations of the intersections
- Summary of adjudication experience and results

Fire Department

17950 Dixie Highway
Homewood, IL 60430
Phone 708-206-3400
Fax 708-206-3498

Police Department

17950 Dixie Highway
Homewood, IL 60430
Phone 708-206-3420
Fax 708-206-3497

Public Works Department

17755 Ashland Avenue
Homewood, IL 60430
Phone 708-206-3470
Fax 708-206-3499

Sincerely,

Lawrence C. Burnson, Chief of Police
Homewood Police Department



Homewood Police Department

Red Light Camera Evaluation Report

INTERSECTION LOCATIONS AND DATES OF IMPLEMENTATION

Site	Warning Mode	Live
Northbound Halsted Street at 175th Street	07/02/09	08/01/09
Southbound Halsted Street at Ridge Road	08/04/09	08/18/09
Southbound Halsted Street at 183rd Street	07/02/09	08/01/09
Northbound Governors Highway at 183rd Street	07/02/09	08/01/09
Eastbound 183rd Street at Governors Highway	07/02/09	08/01/09

RLR CAMERA SYSTEM MANUFACTURER AND CONTRACTOR NAME

- Gatso USA, Inc.
900 Cummings Center
Suite 321-U
Beverly, MA 01915

CRASH DATA SPECIFIC TO RLR LOCATIONS FOR THE THREE (3) YEAR PERIOD PRIOR TO AND FOR THE PERIOD POST RLR CAMERA INSTALLATION

175 th & Halsted	08/01/06 - 07/31/07	08/01/07 - 07/31/08	08/01/08 - 07/31/09	08/01/09 - 07/31/10	08/01/10 - 07/31/11	08/01/11 - 07/31/12
Angle	4	2	3	2	4	2
Fixed Object	-	1	1	3	-	-
Head On	1					
Other Object	1					
Pedestrian	-	1	-	1	1	-
Rear End	6	7	5	11	11	10
Side Swipe - Opposite Direction	-	1	-	-	-	1
Side Swipe - Same Direction	5	3	1	2	1	2
Turning	2	3	2	6	5	3
TOTAL	19	18	12	25	22	18

Ridge & Halsted	08/01/06 - 07/31/07	08/01/07 - 07/31/08	08/01/08 - 07/31/09	08/01/09 - 07/31/10	08/01/10 - 07/31/11	08/01/11 - 07/31/12
Angle	6	4	1	1	2	2
Animal	-	-	-	1	-	-
Head On	-	1	-	-	1	-
Other Non Collision	1					
Parked Motor Vehicle	-	1	-	-	-	-
Pedestrian	1	1	-	1	-	-
Rear End	13	11	15	17	14	8
Side Swipe - Same Direction	4	1	4	-	1	6
Turning	6	6	4	3	2	1
TOTAL	31	25	24	23	20	17

183 rd & Halsted	08/01/06 - 07/31/07	08/01/07 - 07/31/08	08/01/08 - 07/31/09	08/01/09 - 07/31/10	08/01/10 - 07/31/11	08/01/11 - 07/31/12
Angle	7	2	3	1	-	2
Fixed Object	-	-	-	-	2	-
Head On	-	1	-	1	-	-
Pedestrian	-	-	1	1	-	-
Rear End	12	10	4	6	7	4
Side Swipe - Same Direction	2	-	1	4	1	-
Turning	1	2	1	3	1	-
TOTAL	22	15	10	16	11	6

* The Village of Homewood only has jurisdiction over the southbound approach to this intersection. The other 3 approaches are under the jurisdiction of the Village of Glenwood

183 rd & Governors	08/01/06 - 07/31/07	08/01/07 - 07/31/08	08/01/08 - 07/31/09	08/01/09 - 07/31/10	08/01/10 - 07/31/11	08/01/11 - 07/31/12
Angle	10	3	2	2	3	2
Fixed Object	1	-	1	-	-	-
Head On	-	1	-	-	1	-
Other Object	-	-	-	1	-	-
Overtaken	-	-	-	-	-	1
Pedalcyclist	-	-	1	-	-	-
Rear End	17	9	10	6	14	7
Side Swipe - Opposite Direction	-	-	-	1	-	-
Side Swipe - Same Direction	2	2	-	2	-	-
Turning	2	4	1	3	1	5
TOTAL	32	19	15	15	19	15

ANALYSIS OF CRASH DATA, INCLUDING A SUMMARY OF ANY INCREASE IN CRASH TYPES

- Since none of the intersections are totally signalized for red light violations the analysis can only be looked at with what might occur if they were signalized. If one were to study the intersection of 183rd & Governors, where two directions have red light cameras, you see a 53% decrease in accidents since 2007. This has been one of our most dangerous accident locations so it would seem that the program is working well at that location. We have also seen a significant decline over the 2007 numbers at the 183rd & Halsted (-72%) and Ridge & Halsted (-41%) intersections.

SIGNAL TIMING AND OTHER SETTINGS BEFORE AND AFTER RLR CAMERA INSTALLATION

- There were no timing changes made at any of the locations.

TRAFFIC VOLUMES BEFORE AND AFTER RLR CAMERA SYSTEM INSTALLATION

- The Illinois Department of Transportation only tracks the average daily traffic counts for state roadways every other year. County roads collect counts approximately every four years; therefore the following statistics will be from 2007 and 2009. There is no data available for 2008 and 2010.

175 th & Halsted	2007	2009	2011
Northbound Halsted	35,200	33,200	33,200
Southbound Halsted	35,200	33,200	33,200
Eastbound 175 th	not available	not available	not available
Westbound 175 th	not available	not available	not available

Ridge & Halsted	2007	2009	2011
Northbound Halsted	33,600	29,800	29,800
Southbound Halsted	35,200	33,200	33,200
Eastbound Ridge	17,000	17,000	9,700
Westbound Ridge	not available	not available	not available

183 rd & Halsted	2007	2009	2011
Northbound Halsted	33,600	29,800	29,800
Southbound Halsted	33,600	33,200	33,200
Eastbound 183 rd	16,500	16,500	18,700
Westbound 183 rd	not available	not available	not available

183 rd & Governors	2007	2009	2011
Northbound Governors	10,800	10,800	12,200
Southbound Governors	9,100	9,100	8,700
Eastbound 183 rd	16,500	16,500	18,700
Westbound 183 rd	16,500	16,500	18,700

RECOMMENDATIONS TO FURTHER REDUCE RED LIGHT VIOLATIONS AND SEVERE CRASHES AND TO IMPROVE THE OPERATIONS OF THE INTERSECTIONS

- All of the intersections have been upgraded with new LED lights and 12 inch signal heads. It is our belief that with the new signalization and the public's knowledge of the existence of red light enforcement at these key locations that we will continue to see a reduction in severe crashes in the Village of Homewood.

SUMMARY OF ADJUDICATION EXPERIENCE AND RESULTS

- The following is a summary of the adjudication process from August 2011 through July 2012. The table reflects all RLR locations, the amount of fines paid by violators, fees paid to GATSO for their services and the outcome of the violations.

Month / Year	175th & Halsted	183rd & Halsted	Ridge & Halsted	E/B 183rd & Governors	N/B Governors & 183rd	Total Citations Issued	Fines Paid	Paid to Gatso	Hearings	Contested by Mail	Total Contested	Liabe	Not Liabe	Failed to Appear
Aug 2011	16	13	45	33	11	118	\$ 8,100	\$ 3,540	1	1	2	2	0	0
Sep 2011	16	21	78	39	12	166	\$ 7,800	\$ 4,980	4	1	5	3	0	2
Oct 2011	14	6	40	33	14	107	\$ 9,000	\$ 3,210	4	0	4	2	0	2
Nov 2011	20	15	38	15	23	111	\$ 8,600	\$ 3,330	3	0	3	1	0	2
Dec 2011	25	26	50	21	18	140	\$ 7,700	\$ 4,200	3	1	4	2	0	2
Jan 2012	33	26	36	29	12	136	\$ 9,200	\$ 4,080	4	1	5	4	0	1
Feb 2012	22	18	40	13	21	114	\$ 8,200	\$ 3,420	2	0	2	2	0	0
Mar 2012	17	18	49	26	8	118	\$ 7,900	\$ 3,540	1	1	2	2	0	0
Apr 2012	23	30	58	26	12	149	\$ 8,100	\$ 4,470	2	0	2	2	0	0
May 2012	35	31	15	35	38	154	\$ 8,700	\$ 4,620	3	0	3	2	0	1
Jun 2012	33	26	73	26	30	188	\$ 12,220	\$ 5,640	3	1	4	2	0	2
Jul 2012	30	33	49	31	32	175	\$ 10,200	\$ 5,250	3	2	5	3	2	0
TOTAL	284	263	571	327	231	1,676	\$ 105,720	\$ 50,280	33	8	41	27	2	12