



September 1, 2016

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

Dear Mr. Travia,

Village Hall

2020 Chestnut Road
Homewood, IL 60430
Phone 708-798-3000
Fax 708-206-3496

Village Manager's Office

Phone 708-206-3377
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*Community Development
Department*

Phone 708-206-3385
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Finance Department

Phone 708-798-3000
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Fire Department

17950 Dixie Highway
Homewood, IL 60430
Phone 708-206-3400
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Police Department

17950 Dixie Highway
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Public Works Department

17755 Ashland Avenue
Homewood, IL 60430
Phone 708-206-3470
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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 and annually thereafter. This report includes the following:

- 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

Sincerely,

William Alcott, 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	Angle	Fixed Object	Head On	Other Object	Overtaken	Pedalcyclist	Pedestrian	Rear End	Side Swipe (Opposite Direction)	Side Swipe (Same Direction)	Turning	TOTAL
08/01/06 - 07/31/07	4	-	1	1	-	-	-	6	-	5	2	19
08/01/07 - 07/31/08	2	1	-	-	-	-	1	7	1	3	3	18
08/01/08 - 07/31/09	3	1	-	-	-	-	-	5	-	1	2	12
08/01/09 - 07/31/10	2	3	-	-	-	-	1	11	-	2	6	25
08/01/10 - 07/31/11	4	-	-	-	-	-	1	11	-	1	5	22
08/01/11 - 07/31/12	2	-	-	-	-	-	-	10	1	2	3	18
08/01/12 - 07/31/13	1	-	-	-	-	-	-	5	-	-	2	8
08/01/13 - 07/31/14	4	-	-	-	-	-	-	8	1	1	5	19
08/01/14 - 07/31/15	2	1	-	-	-	-	-	13	-	1	3	20
08/01/15 - 07/31/16	3	2	-	-	-	-	-	7	-	1	3	16

Ridge & Halsted	Angle	Fixed Object	Head On	Other Object	Overtaken	Pedalcyclist	Pedestrian	Rear End	Side Swipe (Opposite Direction)	Side Swipe (Same Direction)	Turning	TOTAL
08/01/06 - 07/31/07	6	-	-	1	-	-	-	1	13	4	6	31
08/01/07 - 07/31/08	4	-	1	-	-	-	1	1	11	1	6	25
08/01/08 - 07/31/09	1	-	-	-	-	-	-	-	15	4	4	24
08/01/09 - 07/31/10	1	1	-	-	-	-	-	1	17	-	3	23
08/01/10 - 07/31/11	2	-	1	-	-	-	-	-	14	1	2	20
08/01/11 - 07/31/12	2	-	-	-	-	-	-	-	8	6	1	17
08/01/12 - 07/31/13	3	-	-	-	-	-	-	13	-	3	2	21
08/01/13 - 07/31/14	4	-	-	-	-	-	-	8	-	3	2	17
08/01/14 - 07/31/15	1	-	-	1	-	-	1	21	-	5	3	32
08/01/15 - 07/31/16	4	1	-	-	-	-	-	14	2	4	4	29

183 rd & Halsted	Angle	Fixed Object	Head On	Other Object	Overturned	Pedalcyclist	Pedestrian	Rear End	Side Swipe (Opposite Direction)	Side Swipe (Same Direction)	Turning	TOTAL
08/01/06 - 07/31/07	7	-	-	-	-	-	-	12	-	2	1	22
08/01/07 - 07/31/08	2	-	1	-	-	-	-	10	-	-	2	15
08/01/08 - 07/31/09	3	-	-	-	-	-	1	4	-	1	1	10
08/01/09 - 07/31/10	1	-	1	-	-	-	1	6	-	4	3	16
08/01/10 - 07/31/11	-	2	-	-	-	-	-	7	-	1	1	11
08/01/11 - 07/31/12	2	-	-	-	-	-	-	4	-	-	-	6
08/01/12 - 07/31/13	3	-	-	-	-	-	-	7	-	1	-	11
08/01/13 - 07/31/14	2	-	-	-	-	-	-	5	-	1	-	8
08/01/14 - 07/31/15	1	-	-	-	-	-	-	2	-	-	-	3
08/01/15 - 07/31/16	2	-	-	-	-	-	1	8	-	2	4	17

* 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	Angle	Fixed Object	Head On	Other Object	Overturned	Pedalcyclist	Pedestrian	Rear End	Side Swipe (Opposite Direction)	Side Swipe (Same Direction)	Turning	TOTAL
08/01/06 - 07/31/07	10	1	-	-	-	-	-	17	-	2	2	32
08/01/07 - 07/31/08	3	-	1	-	-	-	-	9	-	2	4	19
08/01/08 - 07/31/09	2	1	-	-	-	1	-	10	-	-	1	15
08/01/09 - 07/31/10	2	-	-	1	-	-	-	6	1	2	3	15
08/01/10 - 07/31/11	3	-	1	-	-	-	-	14	-	-	1	19
08/01/11 - 07/31/12	2	-	-	-	1	-	-	7	-	-	5	15
08/01/12 - 07/31/13	1	1	-	-	-	1	-	4	1	-	4	12
08/01/13 - 07/31/14	5	1	-	1	-	-	-	11	1	1	2	22
08/01/14 - 07/31/15	3	1	-	-	1	-	-	6	1	-	1	13
08/01/15 - 07/31/16	5	1	-	-	-	1	1	8	-	1	8	25

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 22% 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 all other 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

175 th & Halsted	2007	2009	2012	2013	2014
N/B Halsted	35,200	33,200	31,200	26,300	26,300 (2013)
S/B Halsted	35,200	33,200	31,200	26,300	26,300 (2013)
E/B 175 th	not available	not available	not available	not available	8,200
W/B 175 th	not available	not available	not available	not available	4,700

Ridge & Halsted	2007	2009	2012	2013	2014
N/B Halsted	33,600	29,800	28,200	29,300	29,300 (2013)
S/B Halsted	35,200	33,200	31,200	26,300	26,300 (2013)
E/B Ridge	17,000	17,000	9,700 (2010)	9,700 (2010)	8,450
W/B Ridge	17,000	17,000	9,700 (2010)	9,700 (2010)	10,100

183 rd & Halsted	2007	2009	2012	2013	2014
N/B Halsted	33,600	29,800	28,200	29,300	29,300 (2013)
S/B Halsted	33,600	29,800	28,200	29,300	29,300 (2013)
E/B 183 rd	16,500	16,500	18,700 (2010)	18,700 (2010)	12,700
W/B 183 rd	not available	not available	not available	not available	1,200

183 rd & Governors	2007	2009	2010	2013	2014
N/B Governors	10,800 (2006)	10,800 (2006)	12,200	12,200 (2010)	12,100
S/B Governors	9,100 (2006)	9,100	8,700	8,700 (2010)	8,900
E/B 183 rd	16,500 (2006)	16,500 (2006)	18,800	18,800 (2010)	17,800
W/B 183 rd	16,500 (2006)	16,500 (2006)	18,800	18,800 (2010)	17,800

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 2015 through July 2016. 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	Ridge & Halsted	N/B Governors & 183rd	E/B 183rd & Governors	183rd & Halsted	Total Citations Issued	Fines Paid	Paid to Gatso	Hearings	Contested by Mail	Total Contested	Liable	Not Liabile	Failed to Appear
Aug 2015	57	69	39	67	86	318	\$ 16,775	\$ 9,540	5	-	5	3	-	2
Sep 2015	63	30	52	57	77	279	\$ 14,301	\$ 8,370	2	1	3	2	-	1
Oct 2015	65	11	26	53	81	236	\$ 16,825	\$ 7,080	8	5	13	6	2	5
Nov 2015	33	26	25	38	49	171	\$ 14,550	\$ 5,130	4	2	6	3	2	1
Dec 2015	37	21	23	52	63	196	\$ 12,500	\$ 5,880	6	-	6	1	2	3
Jan 2016	41	18	26	46	47	178	\$ 12,400	\$ 5,340	7	-	7	4	2	1
Feb 2016	45	42	22	38	65	212	\$ 11,800	\$ 6,360	4	1	5	4	1	-
Mar 2016	43	44	41	61	59	248	\$ 15,900	\$ 7,440	7	-	7	5	1	1
Apr 2016	42	35	16	44	24	161	\$ 12,450	\$ 4,830	4	-	4	-	1	3
May 2016	81	59	45	73	49	307	\$ 17,150	\$ 9,210	4	1	5	3	1	1
Jun 2016	51	53	34	45	51	234	\$ 14,800	\$ 7,020	9	-	9	7	-	2
Jul 2016	55	58	43	68	72	296	\$ 13,715	\$ 8,880	6	4	10	7	2	1
TOTAL	613	466	392	642	723	2,836	\$ 173,166	\$ 85,080	66	14	80	45	14	21