



Willowbrook Police Department

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Chief of Police

Lauren Kasper

July 9, 2024

Illinois Department of
Transportation Traffic Operations
Bureau Chief
201 West Center
Court Schaumburg,
IL 60196

INTRODUCTION:

Per the Illinois Compiled Statute, 625 ILCS 5/11.208.6 Automated Traffic Law Enforcement System:

(k-8) Any municipality or county operating an automated traffic law enforcement system before July 28, 2023 (the effective date of Public Act 103-364) shall conduct a statistical analysis to assess the safety impact of each automated traffic law enforcement system at an intersection by no later than one year after July 28, 2023 (the effective date of Public Act 103-364) and every 2 years thereafter. The statistical analyses shall be based upon the best available crash, traffic, and other data, and shall cover a period of time before and after installation of the system sufficient to provide a statistically valid comparison of safety impact. The statistical analyses shall be consistent with professional judgment and acceptable industry practice. The statistical analyses also shall be consistent with the data required for valid comparisons of before and after conditions. The statistical analyses required by this subsection shall be made available to the public and shall be published on the website of the municipality or county. If the statistical analysis for any period following installation of the system indicates that there has been an increase in the rate of accidents at the approach to the intersection monitored by the system, the municipality or county shall undertake additional studies to determine the cause and severity of the accidents, and may take any action that it determines is necessary or appropriate to reduce the number or severity of the accidents at that intersection.

The Village of Willowbrook currently has an active Red Light Running (RLR) program implemented at three intersections located along Kingery Highway (Route 83). The program was partially implemented in September of 2009 with the installation of RLR cameras at the intersections of 63rd Street and 75th Street. The second phase of implementation concluded with the installation of the RLR camera at the third intersection of Midway Drive.

This is the Village of Willowbrook's fifth RLR camera evaluation and contains data from three years prior to implementation (2006-2008), as well as data post implementation (2009-2023). The Village of Willowbrook has completed all required reviews in accordance with statute since inception of this RLR program. With the change in statute with Public Act 103-364, the Village of Willowbrook has adjusted their RLR reviews from three-year reviews to two-year reviews with this review being the first since the act has taken effect. The next review is due in mid-2026.

SUMMARY:

Intersection locations with Red Light Running camera monitored approaches *

- Kingery Highway (Route 83) at the intersection of 63rd Street (northbound/southbound only, with left turn)
- Kingery Highway (Route 83) at the intersection of 75th Street (northbound/southbound only, with left turn)
- Midway Drive (northbound only, and left turn) at the intersection of Route 83.

**No eastbound or westbound red-light enforcement*

Implementation Timeline Information

- RLR cameras went live in September 2009 for 63rd Street and 75th Street
- RLR cameras went live in April 2010 for Midway Drive
- RLR camera for right turn on red removed June 2015 from Midway Drive
- RLR cameras at 63rd Street suspended during road construction between June 2015-September 2017

Violation issuance workflow

- Potential violation/incident triggered by RLR at intersection
- All potential violation/incidents reviewed by Village of Willowbrook vendor, Verra Mobility for accuracy
- Potential violation/incidents are then in a que for review by a sworn Willowbrook police officer
- Reviewing officer will review potential violation/incidents to determine any disqualification for issuance.
- After reviewing the video and still photo images, the Officer will approve the violation or reject

Manufacturer and Contractor

- Verra Mobility
1150 N. Alma School Road
Mesa, AZ 85201
- Meade Electric Contractor

Signal Timing

- There were no signal timing changes after RLR camera installation. All timing of signals controlled by I.D.O.T.

Traffic Volumes

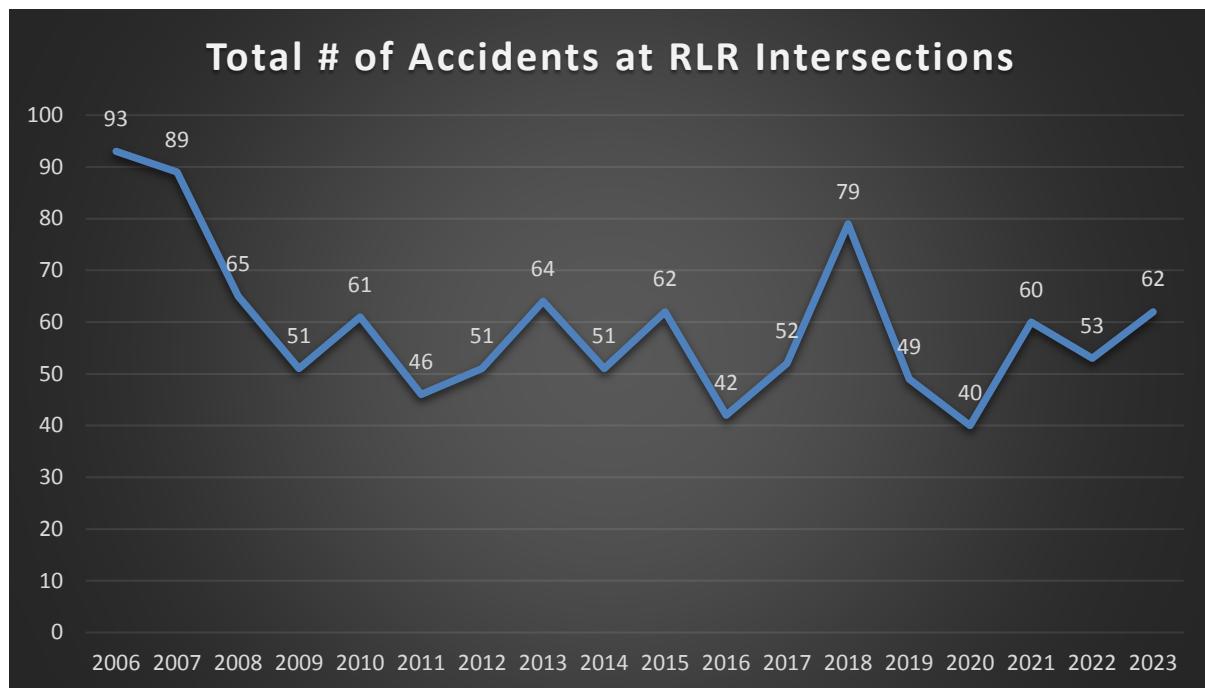
- Average daily traffic volumes on Kingery Highway 42,800 – 53,900 vehicles per day. Data obtained from the Illinois Department of Transportation's website www.gettingaroundillinois.com.

DATA & ANALYSIS:

SUMMARY OF TURNING, ANGLE, & REAR END CRASHES BY INTERSECTION

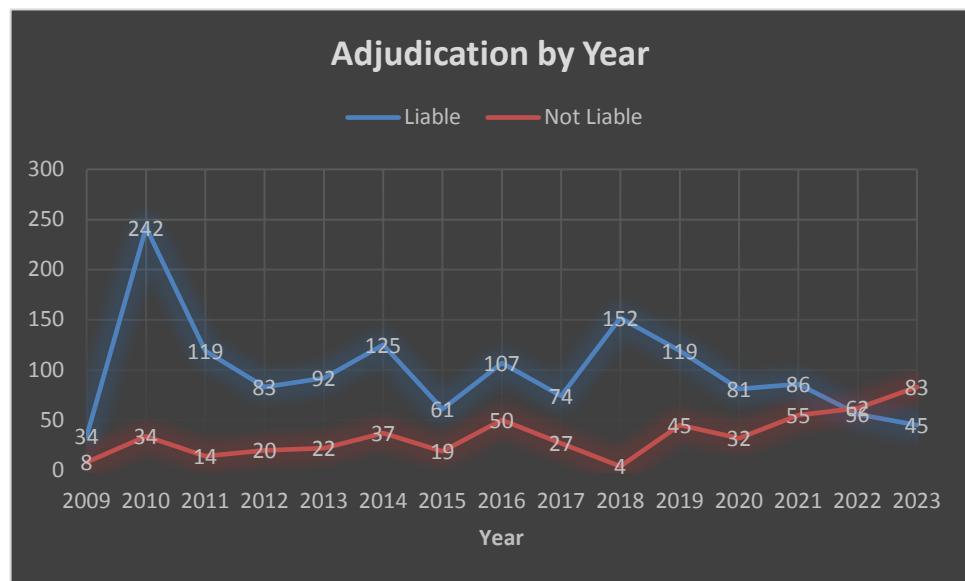
63rd ST/ Kingery HWY					75th ST/ Kingery HWY					Midway DR/ Kingery HWY					
Rear end	Angle	Turning	Other	Total	Rear end	Angle	Turning	Other	Total	Rear end	Angle	Turning	Other	Total	
2006	23	-	12	3	38	16	-	17	3	36	9	3	7	-	19
2007	23	1	5	2	31	37	1	9	-	47	9	2	-	-	11
2008	22	1	4	1	28	19	-	6	1	26	5	1	3	2	11
2009	20	-	4	-	24	22	-	3	1	26	1	-	-	-	1
2010	16	1	6	1	24	16	-	5	4	25	12	-	-	-	12
2011	13	2	-	1	16	24	-	1	1	26	3	-	1	-	4
2012	15	-	-	3	18	15	-	2	1	18	14	-	1	-	15
2013	29	-	3	-	32	19	-	7	-	26	5	-	-	1	6
2014	18	-	2	1	21	19	-	1	3	23	3	-	2	2	7
2015	18	2	4	3	27	16	-	6	-	22	10	-	3	-	13
2016	5	1	2	1	9	16	1	8	1	26	3	2	2	-	7
2017	21	-	3	1	25	9	1	4	-	14	9	-	2	2	13
2018	19	-	8	3	30	19	3	12	1	35	10	1	2	1	14
2019	10	-	6	1	17	17	1	7	-	25	5	-	2	-	7
2020	14	-	4	-	18	6	1	4	1	12	5	1	3	1	10
2021	15	3	3	5	26	18	-	6	-	24	3	2	4	1	10
2022	16	3	3	1	23	11	3	4	1	19	7	-	3	1	11
2023	17	1	7	1	26	16	-	6	1	23	12	-	1	-	13

DISCLAIMER: The motor vehicle crash data referenced herein was provided by the Illinois Department of Transportation. Any conclusions drawn from analysis of the aforementioned data are the sole responsibility of the data recipient(s). Additionally, for coding years 2015 to present, the Bureau of Data Collection uses the exact latitude/longitude supplied by the investigating law enforcement agency to locate crashes. Therefore, location data may vary in previous years since data prior to 2015 was physically located by bureau personnel. The data includes ALL accidents at the intersections listed above regardless of direction. The Village of Willowbrook RLR program does not have monitored approaches for all directions of travel. Please see summary section for details on monitored approaches.



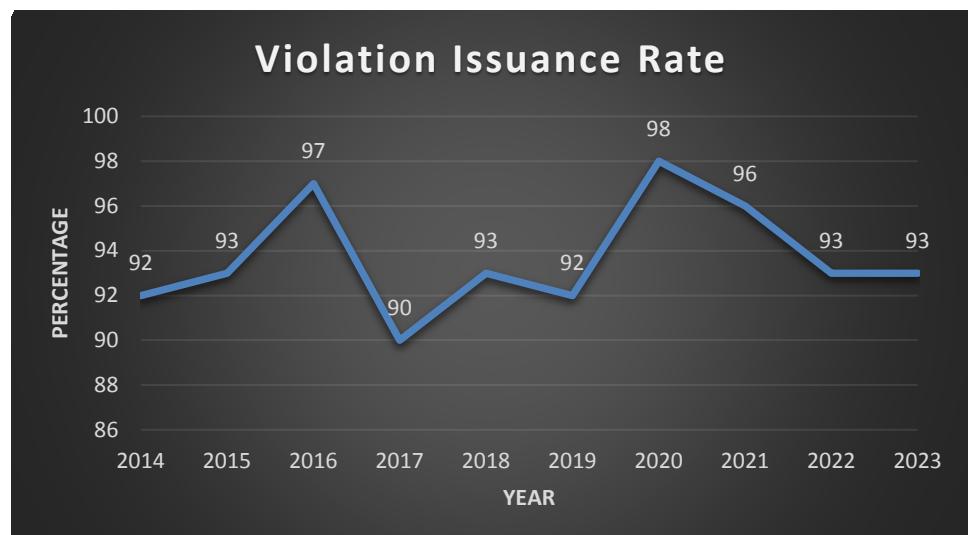
ADJUDICATION SUMMARY BY YEAR

Year	Liable	Not Liable
2009	34	8
2010	242	34
2011	119	14
2012	83	20
2013	92	22
2014	125	37
2015	61	19
2016	107	50
2017	74	27
2018	152	4
2019	119	45
2020	81	32
2021	86	55
2022	56	62
2023	45	83
Total	1552	551



CITATION ISSUANCE RATE FROM POLICE REVIEW

Year	% per Year
2014	92
2015	93
2016	97
2017	90
2018	93
2019	92
2020	98
2021	96
2022	93
2023	93
Total	937



CONCLUSION:

PRE & POST RLR CAMERA IMPLEMENTATION

	63 rd St/Kingery HWY (Rte 83)	75 th St/Kingery HWY (Rte 83)	Midway DR/Kingery HWY (Rte 83)
Pre RLR Total Accidents 2006/2007/2008	97	109	41
Last 3 Year Total Accidents 2021/2022/2023	75	66	34
Percent Change from Pre-Post	22% reduction	39% reduction	17% reduction

At all three RLR camera approach locations, overall accidents have decreased. Since RLR camera installation, there have been no traffic related fatalities at the camera monitored intersections. The cameras have continued to act as a deterrent for red light running motorists and serve as an educational awareness for motorists to continue to stay vigilant and aware of red light equipped intersections. The traffic volume on Kingery Highway (Route 83) that travels through the Village of Willowbrook is very steady and has increased since our last review. As accident data shows, the cameras are having a positive impact on accident reduction.

ADJUDICATION SUMMARY AND RESULTS:

2020/2021/2022

Between 2020 and 2022 there were 30,721 RLR citations issued in the Village of Willowbrook which is an average of 853 citations per month. Of those citations issued, 379 were adjudicated during 36 separate hearing dates with an average of 10 per hearing. The results for the 379 adjudicated citations are as follows:

- 7 not adjudicated
- 149 found not liable
- 223 found liable

Currently to date the Village of Willowbrook RLR program has a citation issuance rate of 87%. The issuance rates for 2020, 2021, and 2022 were 98%, 96%, and 93% respectively.

2023

In 2023, there were 12,808 RLR citations issued in the Village of Willowbrook which is an average of 1,067 citations per month. Of those citations issued, 128 were adjudicated during 12 separate hearing dates with an average of 10 per hearing. The results for the 128 adjudicated citations are as follows:

- 83 found not liable
- 45 found liable

The Village of Willowbrook 2023 violation issuance rate was 93%.

RECOMMENDATIONS:

Our combined efforts and traffic enforcement will continue to deter unsafe driving habits while improving driver awareness. Although our RLR violations have increased in 2023, the traffic volume has significantly increased during that time as well. The decrease in crashes in comparison to prior to the RLR program and after continue to keep the traveling public safe from crashes including serious injury crashes. Our 93% issuance of violations in the police review cycle in 2023 is consistent with our last ten-year average of 93.7%. There is no significant increase in approaching traffic to our RLR Program intersections of any note.

With all factors and data information available, the Village of Willowbrook will continue to participate in the RLR

Program with the same intersections and roadways as in previous years without adjustments. The Village of Willowbrook will also continue to only enforce north and/or south traffic flow and no violations for 'turn on red' offenses.

This analysis was prepared and submitted by Deputy Chief Benjamin Kadolph.