



## Willowbrook Police Department

7760 Quincy Street  
Willowbrook, IL 60527-5594

Phone: (630) 325-2808 Fax: (630) 323-7915  
www.willowbrookil.org



### Chief of Police

Mark T. Shelton

March 14<sup>th</sup>, 2017

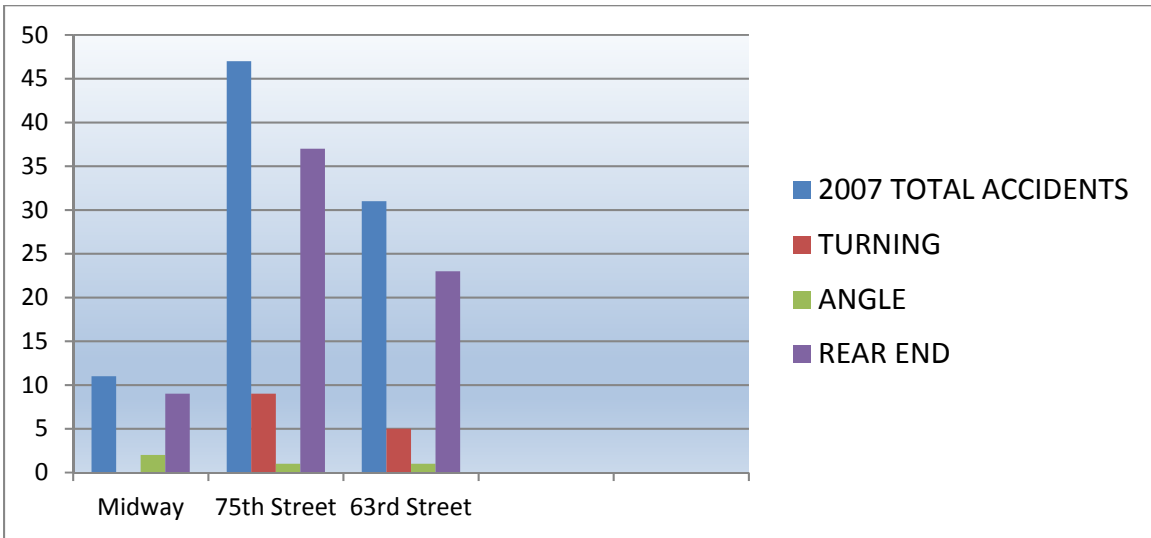
Illinois Department of Transportation  
Traffic Operations Bureau Chief  
201 West Center Court  
Schaumburg, IL 60196

The information below contains an evaluation on Willowbrook's Red Light Running (RLR) program. This is the second (3) year evaluation from initial installation on September 2009 and May 2010.

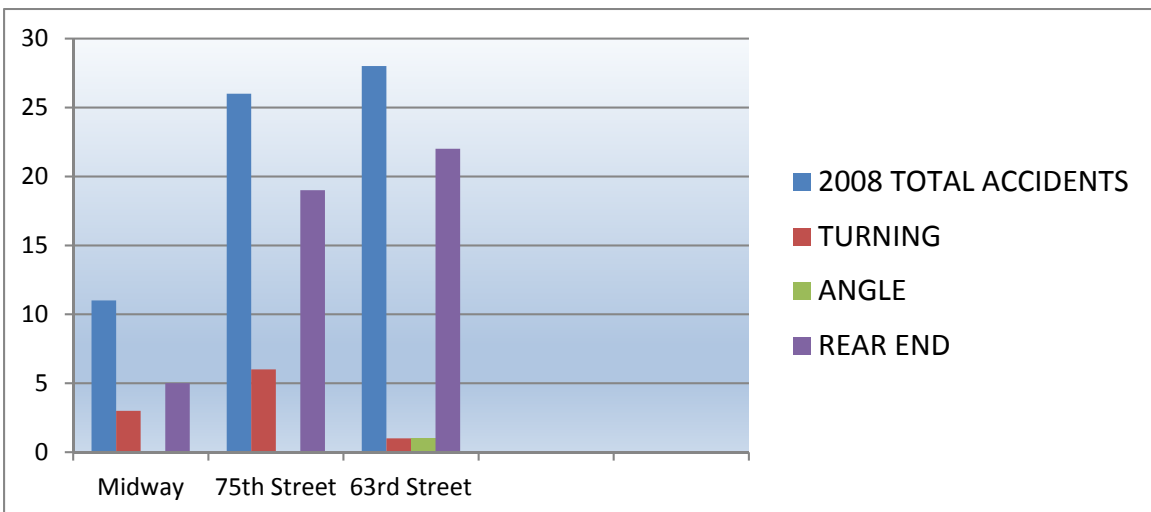
- **Intersection locations with Red Light Running Camera monitored approaches: \***
  - Route 83 (Kingery Highway) at the intersection of 63<sup>rd</sup> Street (North & Southbound only, with Left Turn)
  - Route 83 (Kingery Highway) at the intersection of 75<sup>th</sup> Street (North & Southbound only, with Left Turn)
  - Midway Drive (Northbound Only, Left and Right Turn) at the intersection of Route 83.
  
- **Implementation Date:**
  - RLR cameras went live September 2009 for 63<sup>rd</sup> Street and 75<sup>th</sup> Street
  - RLR cameras went live April 2010 for Midway Drive.
  
- **Manufacturer and Contractor**
  - ATS American Traffic Solutions  
1150 N. Alma School Road  
Mesa, AZ 85201
  - Meade Electric Contractor

\* **No eastbound or westbound red light enforcement**

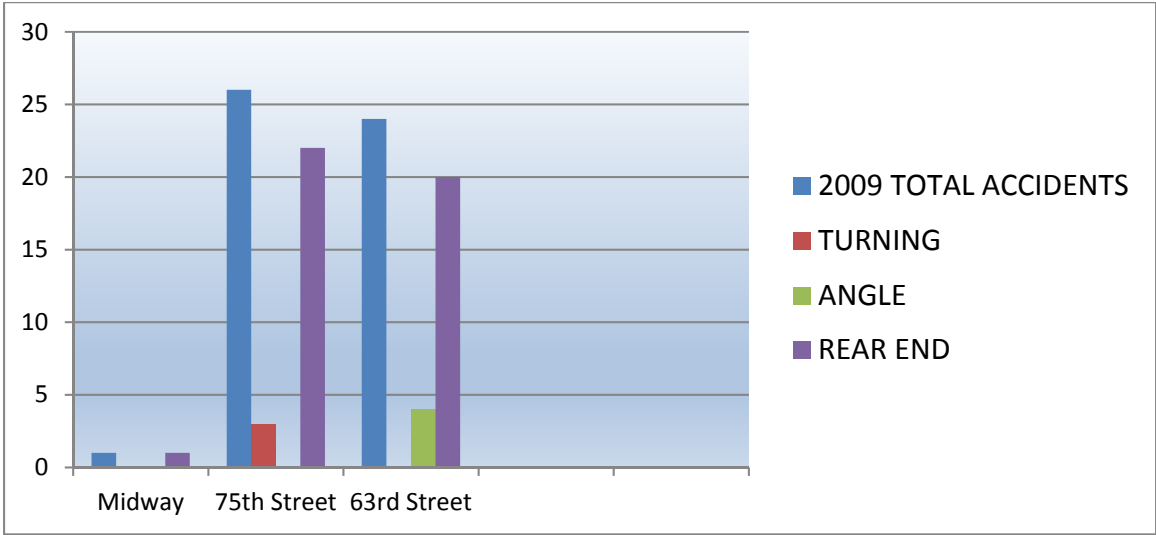
**SUMMARY OF TURNING, ANGLE, and REAR END CRASHES**  
**No East or Westbound through traffic is enforced by red light cameras.**



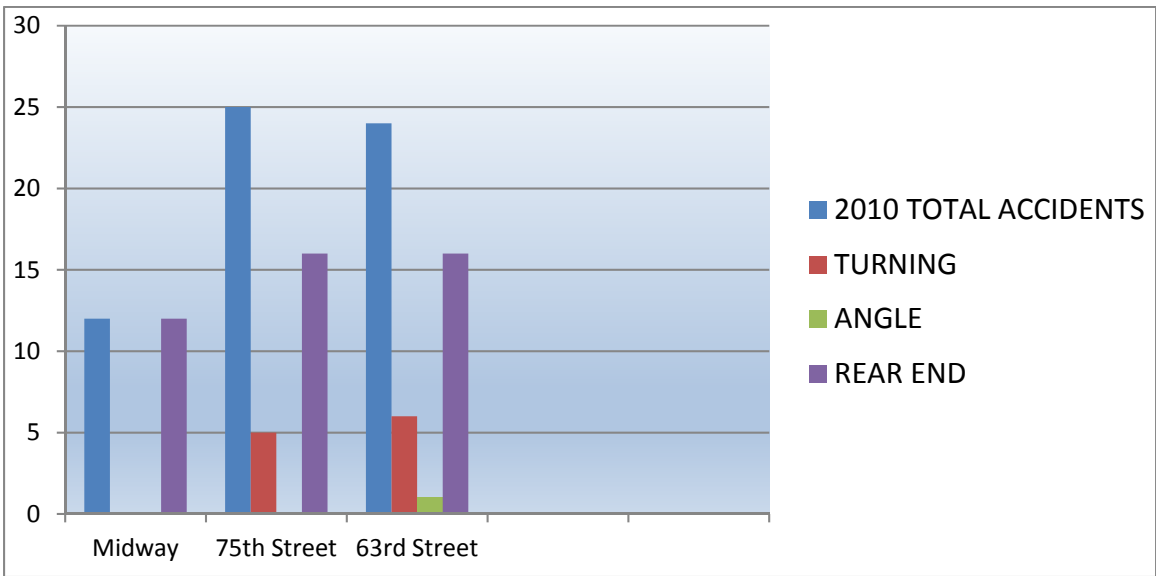
Location	Total # of Accidents
Midway	11
75 <sup>th</sup> Street	47
63 <sup>rd</sup> Street	31
Overall Total	89



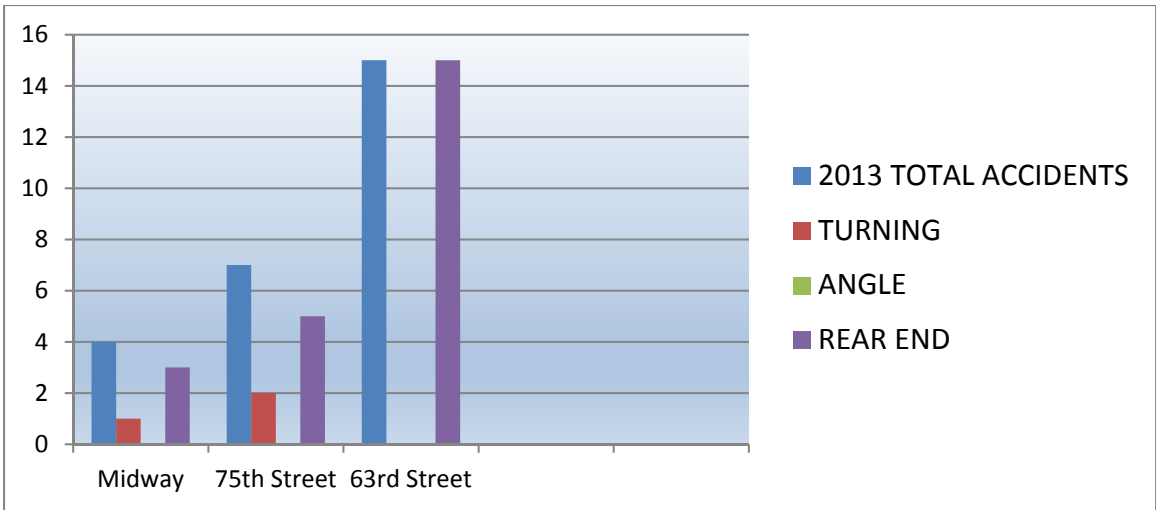
Location	Total # of Accidents
Midway	11
75 <sup>th</sup> Street	26
63 <sup>rd</sup> Street	28
Overall Total	65



Location	Total # of Accidents
Midway	1
75 <sup>th</sup> Street	26
63 <sup>rd</sup> Street	24
Overall Total	51



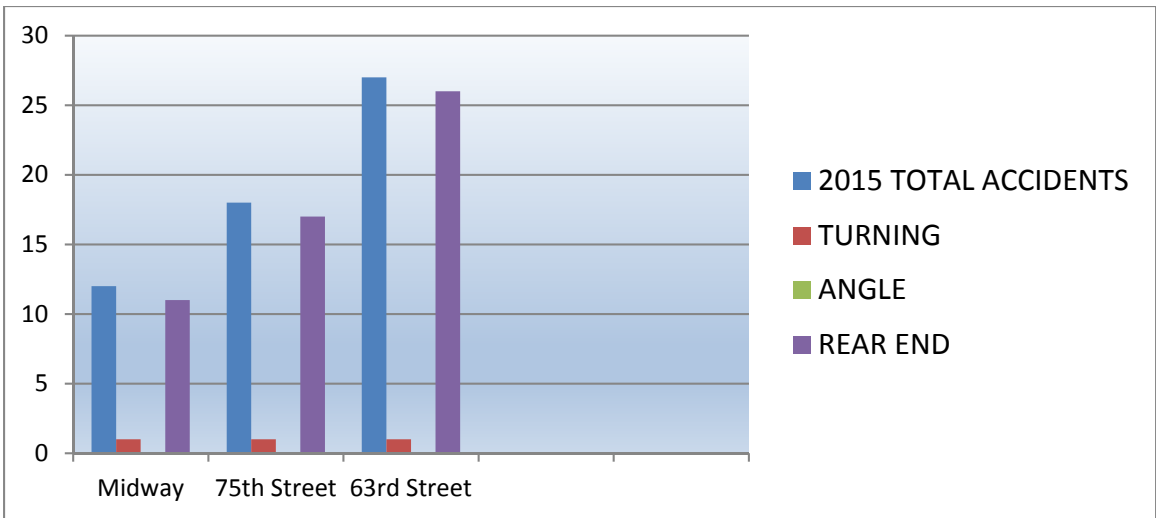
Location	Total # of Accidents
Midway	12
75 <sup>th</sup> Street	25
63 <sup>rd</sup> Street	24
Overall Total	61



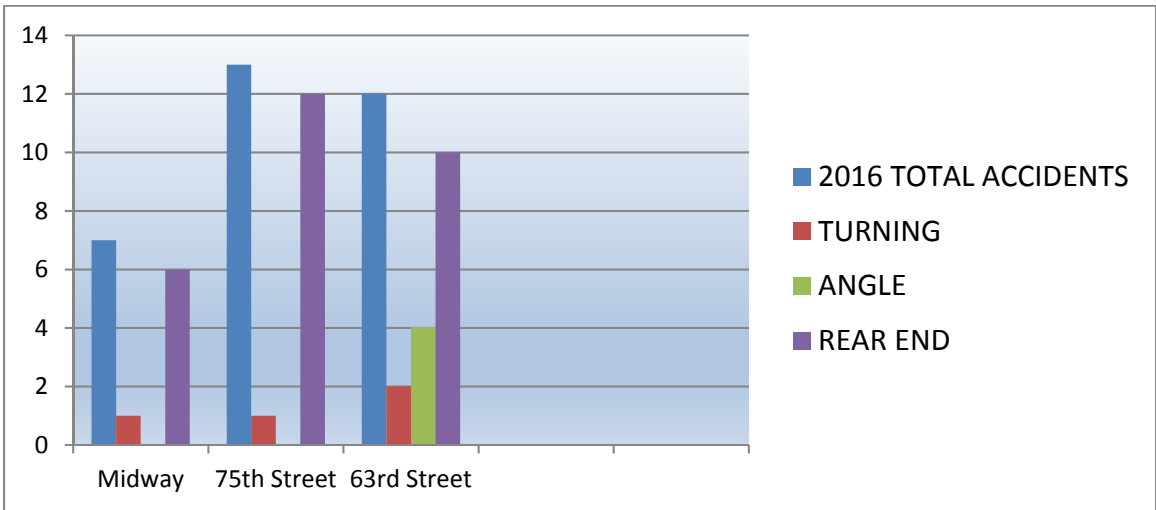
Location	Total # of Accidents
Midway	4
75 <sup>th</sup> Street	7
63 <sup>rd</sup> Street	15
Overall Total	26



Location	Total # of Accidents
Midway	8
75 <sup>th</sup> Street	14
63 <sup>rd</sup> Street	19
Overall Total	41

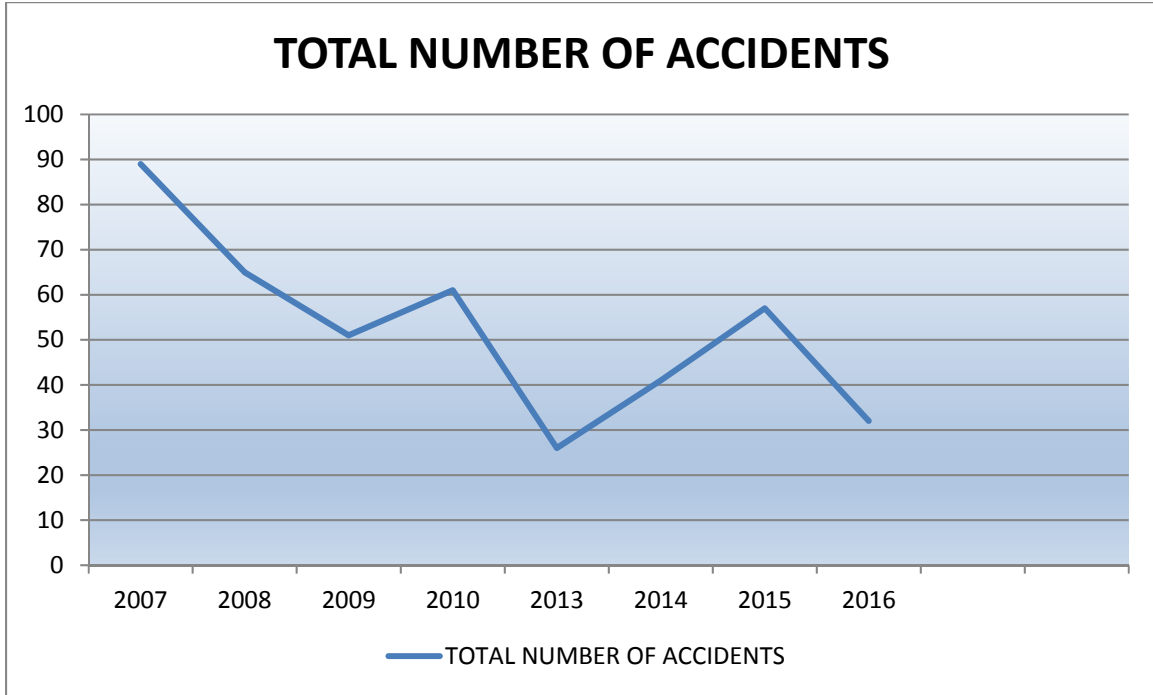


Location	Total # of Accidents
Midway	12
75 <sup>th</sup> Street	18
63 <sup>rd</sup> Street	27
Overall Total	57



Location	Total # of Accidents
Midway	7
75 <sup>th</sup> Street	13
63 <sup>rd</sup> Street	12
Overall Total	32

**TOTAL 2<sup>nd</sup> REPORT ON NUMBER OF ACCIDENTS SINCE YEAR OF CAMERA INSTALLATION**



Crash data prior to the Pre RLR (Red Light Running) includes years 2007, 2008, 2009\* and 2010\*. Included (4) years data to have complete full years data. The evaluation report includes years 2013, 2014, 2015 and 2016 data collected from Willowbrook Police Department accident reports for the (3) intersections equipped with cameras. The evaluation shows analysis comparison prior to camera installation and post implementation. 2<sup>nd</sup> report.

*(\*) Partial years with camera installed*

## **ANALYSIS:**

### **Pre-Red Light Camera Implementation for year: 2007, 2008, 2009 & 2010.**

Midway Drive & Kingery Highway (Route 83): Northbound only, right turn lane and left turn lane

Total Accidents: 35

75<sup>th</sup> Street & Kingery Highway (Route 83): Northbound/Southbound Route 83 and left turn lanes.

Total Accidents: 124

63<sup>rd</sup> Street & Kingery Highway (Route 83): Northbound/Southbound Route 83 and left turn lanes.

Total Accidents: 107

### **Post-Red Light Camera Implementation for year: 2013, 2014, 2015 & 2016**

Midway Drive & Kingery Highway (Route 83): Northbound only right turn lane and left turn lane

Total Accidents: 31

75<sup>th</sup> Street & Kingery Highway (Route 83): Northbound/Southbound Route 83 and left turn lanes.

Total Accidents: 52

63<sup>rd</sup> Street & Kingery Highway (Route 83): Northbound/Southbound lanes of Route 83 and left turn lanes.

Total Accidents: 73

The crash data comparing Pre-RLR installation to the 2<sup>nd</sup> 3-year report of RLR data includes: turning, angle and rear-end accidents. There has been an overall decrease including all (3) three red light camera locations. The cameras located at Midway Drive had a total decrease of (4) four accidents with no fatalities. The cameras located at 75<sup>th</sup> Street had a total decrease of (72) accidents with no fatalities. The cameras located at 63<sup>rd</sup> Street had a total decrease of (34) accidents with no fatalities.

At all three camera approach locations, overall accidents have decreased. Since Pre RLR (Red Light Running) camera installation, there have been no fatalities during the initial camera implementation in 2009 – 2010. 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 considerable. As accident data shows, the cameras are having a positive impact on accident reduction.

- **Signal Timing:**

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

- **Traffic Volumes**

- Traffic volumes 45,000 – 55,000  
The volume of traffic remained consistent but there was considerable construction on Route 83 at 63<sup>rd</sup> Street in 2016

- **Recommendations**

- Our recommendation to further reduce RLR violators and severe crashes is to continue the RLR camera operations along with our vigilant police presence and traffic enforcement. Our combined efforts and enforcement will continue to deter unsafe driving habits while improving drivers' awareness to be more cautious approaching the intersections. The RLR cameras have lowered accidents at their locations.

- **Summary of Adjudication and Results**

- Our Adjudication process has continued with positive results. We have a small number of persons who receive violation notices that request a hearing. We attribute this to our willingness to listen and explain the process to those individuals who request assistance in reviewing their violation. On average (545) five hundred forty-five violations are issued. We have an average of (11) eleven persons attending the monthly adjudication hearings, which is 2% of overall violations issued.