



135th St and Ridgeland Ave <Westbound>

Palos Heights, IL RLR 3 Follow-Up Evaluation Report

(Amendatory Act of the 103rd General Assembly)

Reference No: 016-67857

February 2024

Palos Heights Police Department

7607 West College Drive Palos Heights, Illinois 60463

William Czajkowski
Chief of Police

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February 16, 2024

Jonathan E. Karabowicz, P.E.
Acting Area Permit Engineer

Illinois Department of Transportation
Bureau of Traffic
201 West Center Court
Schaumburg, IL 60196-1096

Re: RLR 1 Year Follow-Up Evaluation Report
135th St and Ridgeland Ave (Westbound)
City of Palos Heights, IL
Ref#: 016-67857

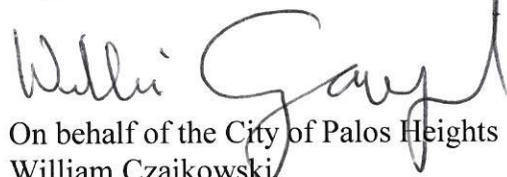
To Whom It May Concern:

Please find enclosed a copy of the 1 Year RLR Follow-Up Evaluation Report for the intersection of 135th St and Ridgeland Ave, Palos Heights, Illinois.

In this submittal, included are: RLR Camera Location, Implementation Date, System Manufacturer and Contractors, RLR Crash Data and Analysis, Traffic Volume History, Summary of Adjudication, and Summary section.

If you have any questions with regard to this submittal or require any additional information, please feel free to contact us at 708-448-5060, wczajkowski@palosheightspd.org.

Regards,



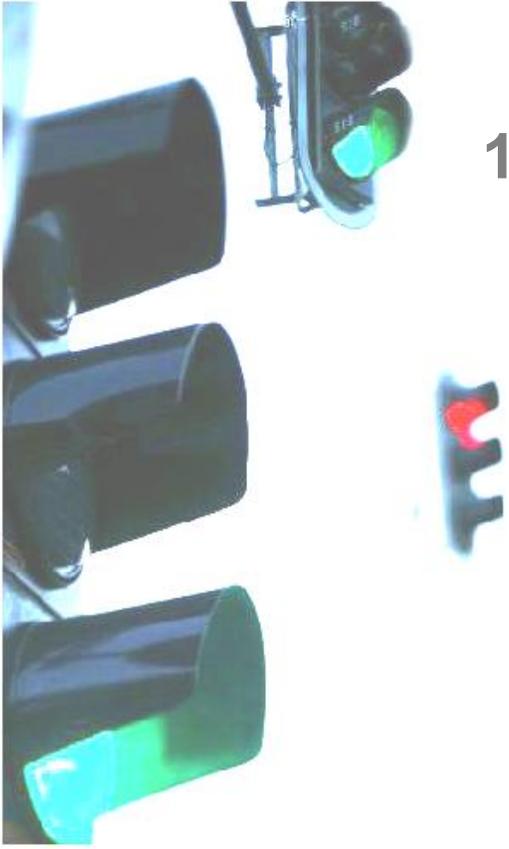
On behalf of the City of Palos Heights
William Czajkowski
Chief of Police

RLR FOLLOW-UP EVALUATION REPORT CHECKLIST

Reference Number:			Date:
Location:			Firm:
Yes	No	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intersection location and RLR camera approaches identified
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Date of RLR camera implementation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RLR camera system manufacturer and contractor name
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crash data including 3 years prior to RLR camera installation with post period crash data
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Analysis of crash data
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signal timing changes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Traffic volumes before and after RLR cameras
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Summary of adjudication experience and results

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1. RLR Camera Location, Live Date, System Manufacturer and Contractor

This report is prepared according to the amendatory Act of the 103rd General Assembly (k-8). Please note that 2023 data was not included in this report as 2023 crash data has not yet been released by the IDOT. No other additional data were available yet since the last 3yr follow up report was submitted on June 2023.

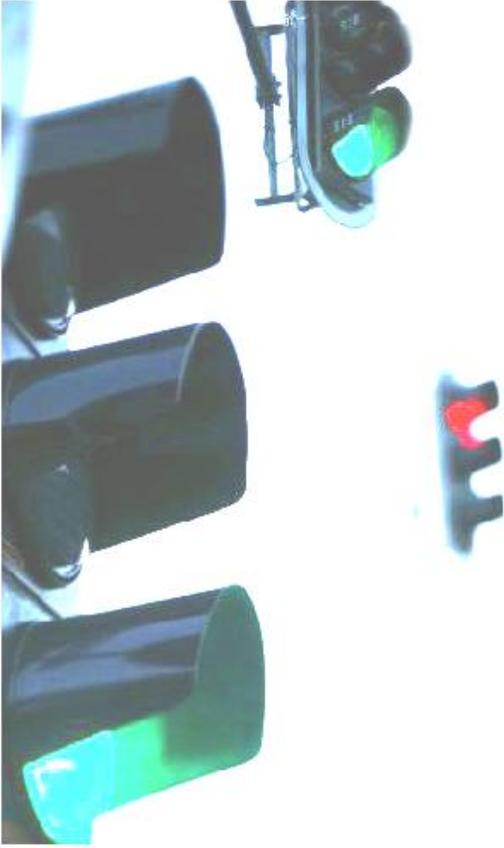
In 2015, the **City of Palos Heights** received approval from the Illinois Department of Transportation (IDOT) to install a Red Light Running (RLR) camera on the **Westbound** approach at the intersection of **135th St and Ridgeland Ave.**

- Date on which the camera went live on the Westbound approach: **08/2016**
- Date on which the 1 Year Follow-Up Evaluation Report was submitted to the IDOT: **11/2019**
- Date on which the 3 Year Follow-Up Evaluation Report was submitted to the IDOT: **05/2022**

No changes were made to the traffic signal timing or any other settings pertaining to operation of traffic signals at this intersection following the camera installation.

Below are the RLR camera system manufacturer and contractor information.

<p>RLR Camera System Manufacturer</p> <p>AllTech Tracking, LLC 150 North Wacker Drive Floor 8 Chicago, IL 60606</p> <p>Phone: (877) 237-2331 Fax: (877) 237-2302 Email: info@alltechtracking.com</p> <p>Key Contact: Ryan Kim, P.E. Phone: (312) 924-7248 Email: rkim@alltechtracking.com</p>	<p>Electrical Contractor</p> <p>Meade Electric Company 625 Willowbrook Center Parkway Willowbrook, IL 60527</p> <p>Phone: (708) 588-2500 Fax: (708) 588-2501 Email: info@meadeelectric.com Web: meadeelectric.com</p> <p>Key Contact: Mr. Michael Knutson Phone: (708) 588-2500 Email: mkk@meade100.com</p>
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2. RLR Crash Data and Analysis

The table below shows a summary of motor vehicle crashes at the intersection of **135th St and Ridgeland Ave** over a span of 11 years*.

	Angle	Head On	Turning	Rear End	Pedalcyclist	Sideswipe	Fixed Object	Total
2012	0	0	2	5	0	0	2	9
2013	0	0	4	3	1	0	0	8
2014	2	0	3	1	1	0	1	8
2015	1	0	0	2	0	0	0	3
2016	1	0	4	1	0	0	0	6
2017	0	0	5	5	0	0	0	10
2018	1	0	1	0	0	0	0	2
2019	2	1	4	3	1	0	0	11
2020	0	0	2	1	0	0	0	3
2021	0	0	1	1	1	0	0	3
2022	0	0	6	2	1	1	0	10

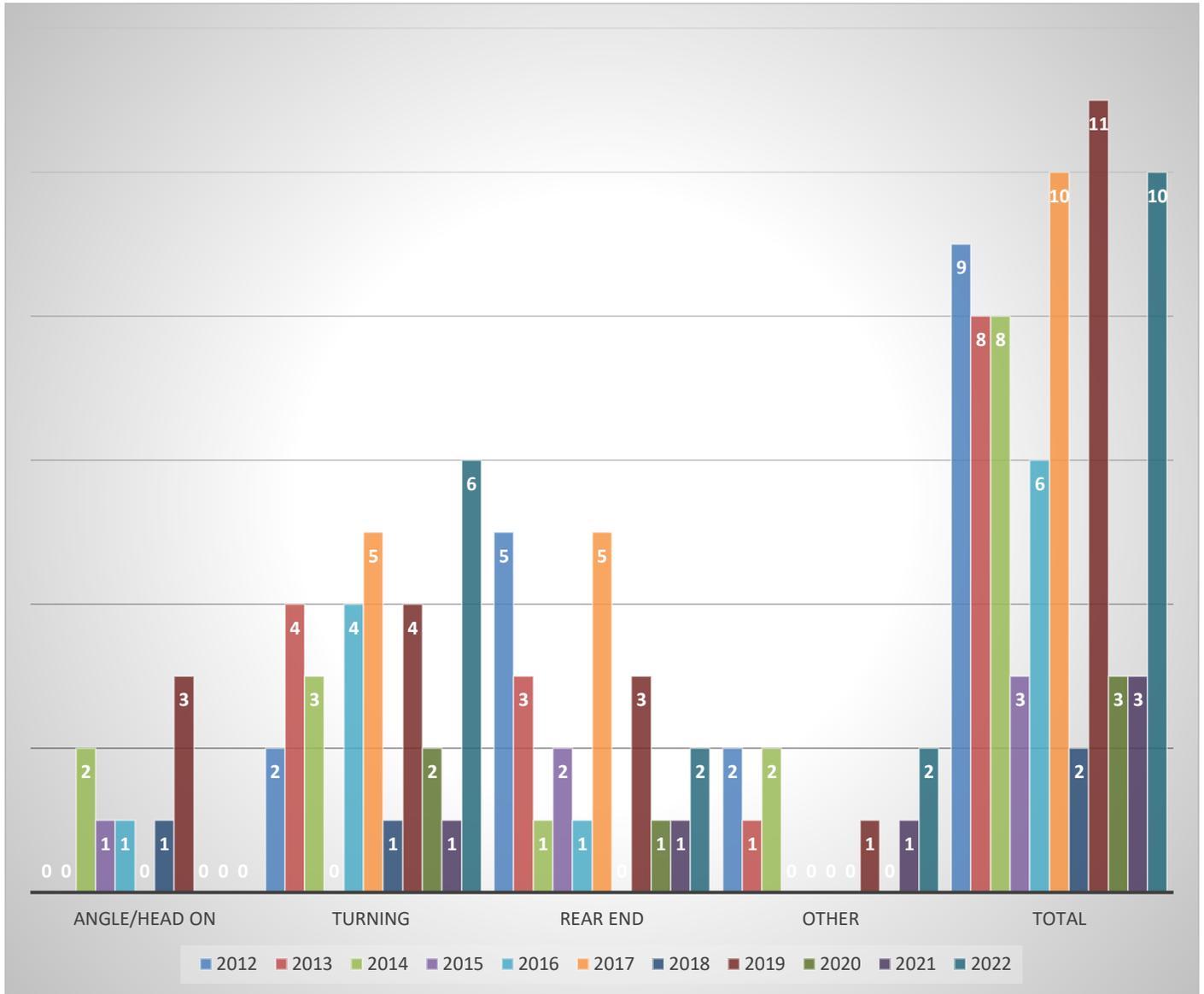
The data from 2012-2015 shows the period prior to the installation of the RLR camera.

The data from 2016 shows the year in which the camera was installed.

The data from 2017-2022 shows the period following the installation.

* 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 Chart below shows the trend of each crash type from 2012-2022.



	Year \ Type	Angle/ Head On	Turning	Rear End	Other*	Total	Yearly Average
Before Installation	2012	0	2	5	2	9	7
	2013	0	4	3	1	8	
	2014	2	3	1	2	8	
	2015	1	0	2	0	3	
	2016	1	4	1	0	6	
After Installation	2017	0	5	5	0	10	6.5
	2018	1	1	0	0	2	
	2019	3	4	3	1	11	
	2020	0	2	1	0	3	
	2021	0	1	1	1	3	
	2022	0	6	2	2	10	

* Other crashes include: Pedalcyclist and Fixed Object.

From 2012-2015, prior to RLR camera installation, there were 28 total crashes; this averages out to 7 crashes a year.

From 2017-2022, post RLR camera installation, there were 39 total crashes; this averages out to 6.5 crashes per year - a 7.14% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2012-2022. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.

Coordinate Collision Diagram Report

1/1/2012 to 12/31/2012

For XCoordinate 2949702.38281955 : YCoordinate 1822780.45094761 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
9	0	0	0	1	8	0	1	0	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	2	22.2%	Monday	2	22.2%	02 AM	1	11.1%	Passenger	10	62.5%
Rear End	5	55.6%	Tuesday	2	22.2%	09 AM	1	11.1%	Pickup	1	6.3%
Turning	2	22.2%	Thursday	3	33.3%	1 PM	1	11.1%	SUV	4	25.0%
TOTAL:	9		Friday	1	11.1%	4 PM	2	22.2%	Van/Mini-Van	1	6.3%
			Sunday	1	11.1%	5 PM	3	33.3%	TOTAL:	16	
			TOTAL:	9		11 PM	1	11.1%			
						TOTAL:	9				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	7	77.8%	Darkness	3	33.3%	Dry	3	33.3%	East	3	18.8%
Rain	1	11.1%	Darkness, Lighted Road	2	22.2%	Snow or Slush	1	11.1%	North	3	18.8%
Snow	1	11.1%	Daylight	4	44.4%	Unknown	1	11.1%	Northeast	2	12.5%
TOTAL:	9		TOTAL:	9		Wet	4	44.4%	South	6	37.5%
						TOTAL:	9		West	2	12.5%
									TOTAL:	16	

Coordinate Collision Diagram Report

1/1/2013 to 12/31/2013

For XCoordinate 2949702.33677667 : YCoordinate 1822780.44900268 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
8	1	1	0	1	5	1	3	2	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Pedalcyclist	1	12.5%	Monday	1	12.5%	02 AM	1	12.5%	Passenger	7	43.8%
Rear End	3	37.5%	Tuesday	3	37.5%	05 AM	1	12.5%	Pickup	2	12.5%
Turning	4	50.0%	Thursday	1	12.5%	06 AM	1	12.5%	SUV	3	18.8%
TOTAL:	8		Saturday	1	12.5%	07 AM	1	12.5%	Van/Mini-Van	4	25.0%
			Sunday	2	25.0%	10 AM	1	12.5%	TOTAL:	16	
			TOTAL:	8		11 AM	1	12.5%			
						3 PM	1	12.5%			
						4 PM	1	12.5%			
						TOTAL:	8				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	6	75.0%	Darkness/ Lighted Road	2	25.0%	Dry	5	62.5%	East	2	12.5%
Cloudy/Overcast	1	12.5%	Dawn	1	12.5%	Snow or Slush	1	12.5%	North	7	43.8%
Rain	1	12.5%	Daylight	5	62.5%	Wet	2	25.0%	South	2	12.5%
TOTAL:	8		TOTAL:	8		TOTAL:	8		Southwest	1	6.3%
									West	4	25.0%
									TOTAL:	16	

Coordinate Collision Diagram Summary

1/1/2014 to 12/31/2014

For XCoordinate 2949702.33677667 : YCoordinate 1822780.44900268 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
8	0	1	2	1	4	0	8	3	3	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	25.0%	Tuesday	1	12.5%	08 AM	1	12.5%	Bus Up to 15 Passengers	1	6.3%
Fixed Object	1	12.5%	Wednesday	4	50.0%	09 AM	2	25.0%	Passenger	10	62.5%
Pedalcyclist	1	12.5%	Thursday	3	37.5%	2 PM	1	12.5%	SUV	2	12.5%
Rear End	1	12.5%	TOTAL:	8		4 PM	1	12.5%	Unknown	1	6.3%
Turning	3	37.5%				7 PM	1	12.5%	Van/Mini-Van	2	12.5%
TOTAL:	8					8 PM	1	12.5%	TOTAL:	16	
						9 PM	1	12.5%			
						TOTAL:	8				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	6	75.0%	Darkness	2	25.0%	Dry	5	62.5%	East	3	18.8%
Rain	1	12.5%	Darkness/ Lighted Road	1	12.5%	Snow or Slush	2	25.0%	North	1	6.3%
Snow	1	12.5%	Daylight	5	62.5%	Wet	1	12.5%	Northeast	2	12.5%
TOTAL:	8		TOTAL:	8		TOTAL:	8		South	8	50.0%
									West	2	12.5%
									TOTAL:	16	

Notes

Calendar data selections include data based on the date of the crash. Year selections include data based on the Statistical year in which the crash was processed

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2949702.779 : YCoordinate 1822780.06 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
3	0	0	0	0	3	0	0	0	0	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	33.3%	Monday	2	66.7%	09 AM	1	33.3%	Passenger	4	66.7%
Front to Rear	2	66.7%	Wednesday	1	33.3%	10 AM	1	33.3%	SUV	2	33.3%
TOTAL:	3		TOTAL:	3		3 PM	1	33.3%	TOTAL:	6	
						TOTAL:	3				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	2	66.7%	Daylight	3	100.0%	Dry	2	66.7%	North	2	33.3%
Rain	1	33.3%	TOTAL:	3		Wet	1	33.3%	South	3	50.0%
TOTAL:	3					TOTAL:	3		West	1	16.7%
									TOTAL:	6	

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2949702.779 : YCoordinate 1822780.06 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
6	0	1	0	0	5	0	1	1	0	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	16.7%	Tuesday	2	33.3%	06 AM	1	16.7%	Passenger	11	91.7%
Front to Rear	1	16.7%	Wednesday	1	16.7%	11 AM	1	16.7%	Pickup	1	8.3%
Turning	4	66.7%	Friday	1	16.7%	2 PM	1	16.7%	TOTAL:	12	
TOTAL:	6		Saturday	1	16.7%	6 PM	1	16.7%			
			Sunday	1	16.7%	7 PM	1	16.7%			
			TOTAL:	6		8 PM	1	16.7%			
						TOTAL:	6				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	6	100.0%	Darkness, Lighted Road	1	16.7%	Dry	6	100.0%	East	5	41.7%
TOTAL:	6		Daylight	5	83.3%	TOTAL:	6		North	3	25.0%
			TOTAL:	6					Southeast	1	8.3%
									West	3	25.0%
									TOTAL:	12	

Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2949702.779 : YCoordinate 1822780.06 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
<u>10</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>6</u>	<u>0</u>	<u>9</u>	<u>1</u>	<u>2</u>	<u>6</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	5	50.0%	Monday	2	20.0%	07 AM	1	10.0%	Passenger	14	66.7%
Turning	5	50.0%	Tuesday	1	10.0%	10 AM	2	20.0%	SUV	4	19.0%
TOTAL:	10		Wednesday	2	20.0%	Noon	1	10.0%	Van/Mini-Van	3	14.3%
			Thursday	2	20.0%	2 PM	2	20.0%	TOTAL:	21	
			Friday	2	20.0%	3 PM	1	10.0%			
			Sunday	1	10.0%	4 PM	1	10.0%			
			TOTAL:	10		9 PM	2	20.0%			
						TOTAL:	10				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	80.0%	Darkness, Lighted Road	3	30.0%	Dry	7	70.0%	East	6	28.6%
Cloudy/Overcast	1	10.0%	Daylight	7	70.0%	Wet	3	30.0%	North	6	28.6%
Other	1	10.0%	TOTAL:	10		TOTAL:	10		Northeast	2	9.5%
TOTAL:	10								South	4	19.0%
									Southwest	1	4.8%
									West	2	9.5%
									TOTAL:	21	

Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2949702.779 : YCoordinate 1822780.06 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
2	0	0	2	0	0	0	4	0	4	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	50.0%	Tuesday	1	50.0%	5 PM	1	50.0%	Passenger	5	83.3%
Turning	1	50.0%	Saturday	1	50.0%	6 PM	1	50.0%	SUV	1	16.7%
TOTAL:	2		TOTAL:	2		TOTAL:	2		TOTAL:	6	
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	2	100.0%	Darkness, Lighted Road	1	50.0%	Dry	2	100.0%	East	2	33.3%
TOTAL:	2		Daylight	1	50.0%	TOTAL:	2		North	1	16.7%
			TOTAL:	2					South	1	16.7%
									West	2	33.3%
									TOTAL:	6	

Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2949702.779 : YCoordinate 1822780.06 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
<u>11</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>4</u>	<u>0</u>	<u>9</u>	<u>2</u>	<u>2</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	18.2%	Monday	1	9.1%	05 AM	1	9.1%	Passenger	10	47.6%
Front to Front	1	9.1%	Wednesday	1	9.1%	11 AM	1	9.1%	Pickup	5	23.8%
Front to Rear	3	27.3%	Thursday	5	45.5%	3 PM	3	27.3%	SUV	5	23.8%
Pedalcyclist	1	9.1%	Saturday	3	27.3%	4 PM	2	18.2%	Van/Mini-Van	1	4.8%
Turning	4	36.4%	Sunday	1	9.1%	5 PM	1	9.1%	TOTAL:	21	
TOTAL:	11		TOTAL:	11		6 PM	1	9.1%			
						9 PM	2	18.2%			
						TOTAL:	11				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	72.7%	Darkness	1	9.1%	Dry	6	54.5%	East	5	23.8%
Rain	1	9.1%	Darkness, Lighted Road	2	18.2%	Snow or Slush	2	18.2%	North	6	28.6%
Snow	2	18.2%	Daylight	8	72.7%	Unknown	1	9.1%	Northeast	2	9.5%
TOTAL:	11		TOTAL:	11		Wet	2	18.2%	South	5	23.8%
						TOTAL:	11		Southeast	1	4.8%
									West	2	9.5%
									TOTAL:	21	

Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2949702.779 : YCoordinate 1822780.06 | Foot Tolerance : 30 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
3	0	0	0	0	3	0	0	0	0	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	1	33.3%	Tuesday	1	33.3%	08 AM	1	33.3%	Passenger	4	66.7%
Turning	2	66.7%	Thursday	1	33.3%	1 PM	1	33.3%	SUV	2	33.3%
TOTAL:	3		Friday	1	33.3%	4 PM	1	33.3%	TOTAL:	6	
			TOTAL:	3		TOTAL:	3				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	1	33.3%	Daylight	3	100.0%	Dry	2	66.7%	East	1	16.7%
Cloudy/Overcast	1	33.3%	TOTAL:	3		Snow or Slush	1	33.3%	North	4	66.7%
Snow	1	33.3%			TOTAL:	3		Southeast	1	16.7%	
TOTAL:	3							TOTAL:	6		

Coordinate Collision Diagram Report

1/1/2021 to 12/31/2021

For XCoordinate 2949701.951 : YCoordinate 1822780.887 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
5	0	0	1	0	4	0	1	0	1	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	3	60.0%	Monday	1	20.0%	Midnight	1	20.0%	Passenger	6	66.7%
Pedalcyclist	1	20.0%	Tuesday	1	20.0%	01 AM	1	20.0%	Pickup	1	11.1%
Turning	1	20.0%	Friday	1	20.0%	Noon	1	20.0%	SUV	1	11.1%
TOTAL:	5		Saturday	2	40.0%	4 PM	1	20.0%	Van/Mini-Van	1	11.1%
			TOTAL:	5		6 PM	1	20.0%	TOTAL:	9	
						TOTAL:	5				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	4	80.0%	Darkness	2	40.0%	Dry	3	60.0%	East	3	33.3%
Snow	1	20.0%	Daylight	3	60.0%	Snow or Slush	1	20.0%	North	3	33.3%
TOTAL:	5		TOTAL:	5		Wet	1	20.0%	West	3	33.3%
						TOTAL:	5		TOTAL:	9	

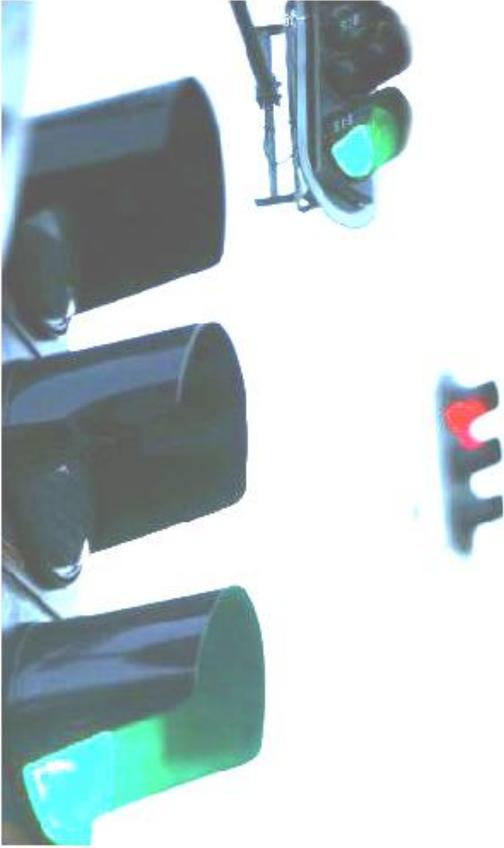
Coordinate Collision Diagram Report

1/1/2022 to 12/31/2022

For XCoordinate 2949702.771 : YCoordinate 1822780.03 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
10	0	0	2	1	7	0	4	0	2	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	2	20.0%	Tuesday	1	10.0%	07 AM	1	10.0%	Passenger	10	50.0%
Pedalcyclist	1	10.0%	Wednesday	3	30.0%	10 AM	1	10.0%	SUV	8	40.0%
Sideswipe Same Direction	1	10.0%	Friday	2	20.0%	Noon	2	20.0%	Van/Mini-Van	2	10.0%
Turning	6	60.0%	Saturday	1	10.0%	1 PM	1	10.0%	TOTAL:	20	
TOTAL:	10		Sunday	3	30.0%	2 PM	1	10.0%			
			TOTAL:	10		3 PM	1	10.0%			
						4 PM	1	10.0%			
						5 PM	1	10.0%			
						8 PM	1	10.0%			
						TOTAL:	10				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	90.0%	Darkness	1	10.0%	Dry	9	90.0%	East	6	30.0%
Rain	1	10.0%	Daylight	9	90.0%	Wet	1	10.0%	North	3	15.0%
TOTAL:	10		TOTAL:	10		TOTAL:	10		Northeast	1	5.0%
									South	4	20.0%
									Southeast	1	5.0%
									West	5	25.0%
									TOTAL:	20	



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **135th St and Ridgeland Ave** over a span of 11 years.

The history of available ADTC on each approach was obtained from the IDOT website per the RLR Guideline document published by the IDOT and recorded in **bold** below.

(<http://www.gettingaroundillinois.com/gai.htm?mt=aadt>)

The data from 2013-2015 shows the period prior to the installation of the RLR camera.

The data from 2016 shows the year in which the camera was installed.

The data from 2017-2022 shows the period following the installation.

	Direction Year	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
Before Installation	2012	10,500	9,700	19,300	21,400	60,900	61,075
	2013	10,500	9,700	19,300	21,400	60,900	
	2014	8,750	9,700	19,400	23,400	61,250	
	2015	8,750	9,700	19,400	23,400	61,250	
	2016	8,750	9,700	19,400	23,400	61,250	
After Installation	2017	8,750	9,700	19,400	23,400	61,250	57,425
	2018	9,600	9,550	16,800	21,800	57,750	
	2019	9,600	9,550	16,800	21,800	57,750	
	2020	9,600	9,550	16,800	21,800	57,750	
	2021	9,600	11,400	16,800	21,800	59,600	
	2022	8,050	9,300	14,500	18,600	50,450	

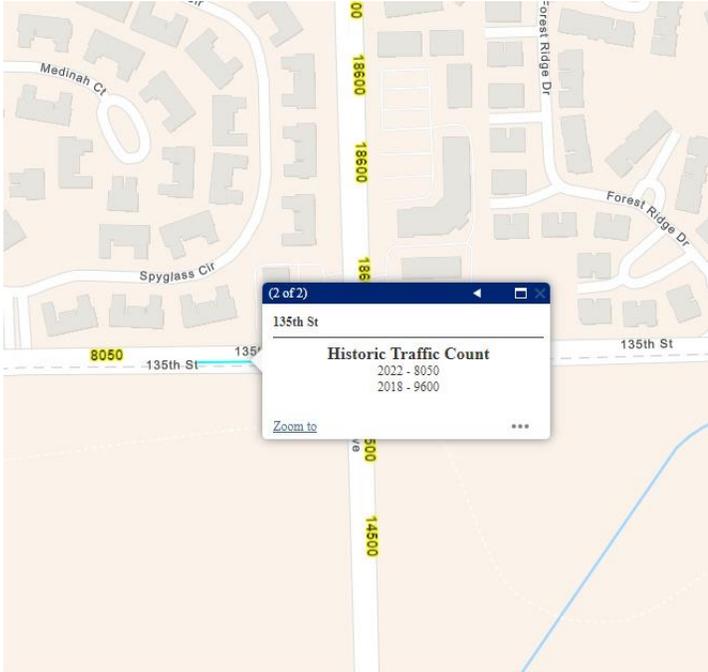
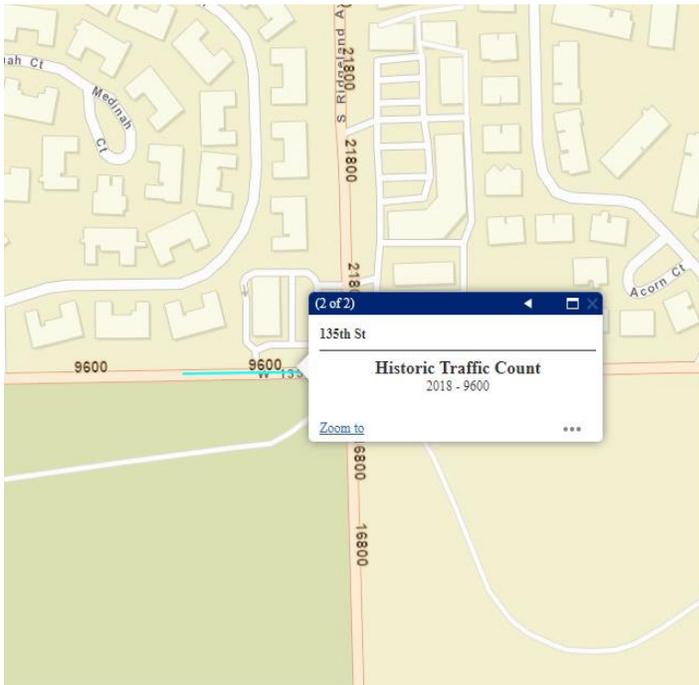
From 2012-2015, prior to RLR camera installation, the combined average of ADTC was 61,075.

From 2017-2022, post RLR camera installation, the combined average of ADTC was 57,425 – a reduction of 5.98%.

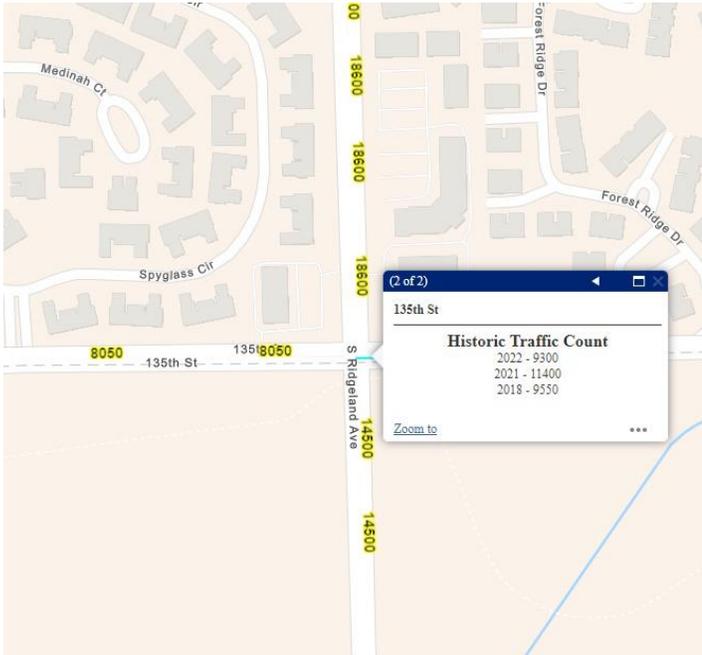
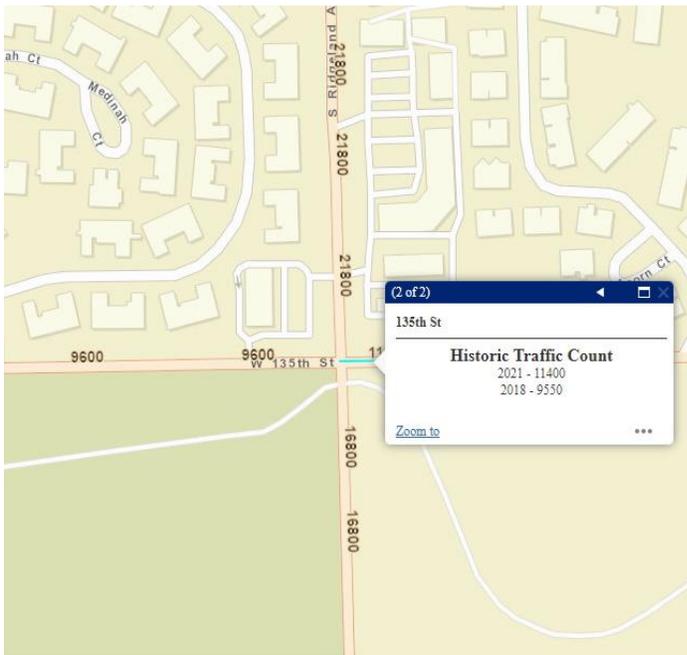
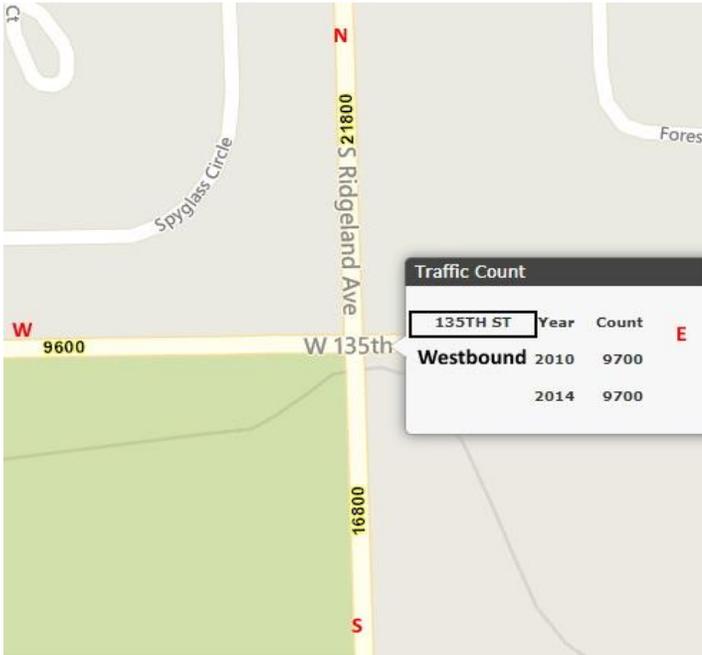
The following pages show the complete ADTC data from 2012-2022 obtained from the IDOT’s website.

The traffic numbers below were obtained from the IDOT website during the preparation of past reports and now per the RLR Guideline document published by the IDOT. Only ADTC values were available, peak numbers were not provided.

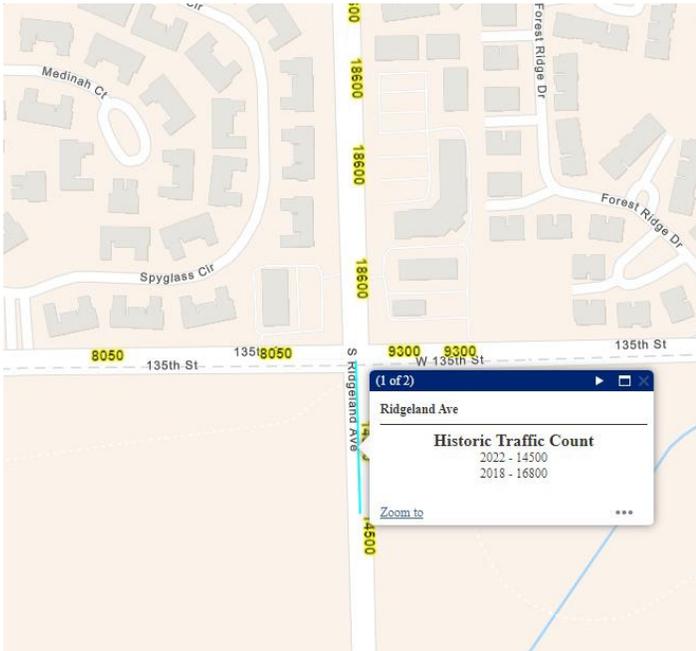
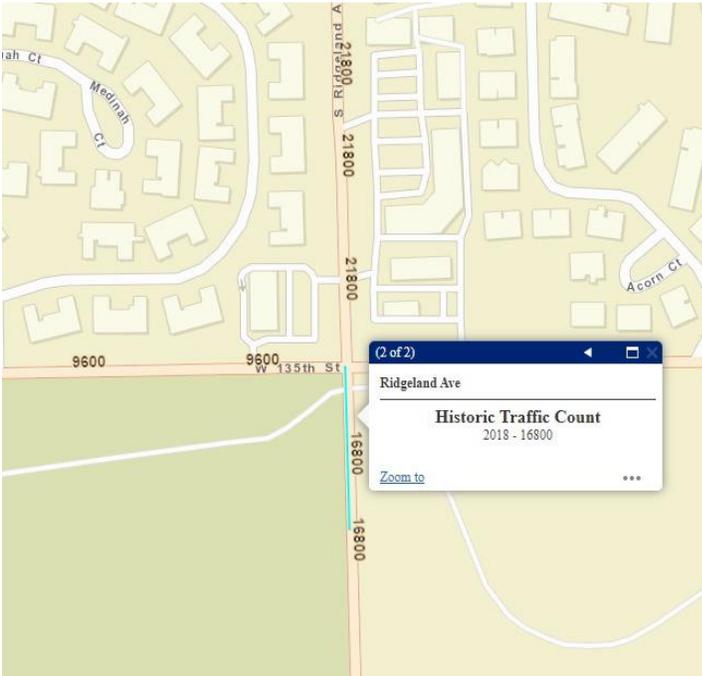
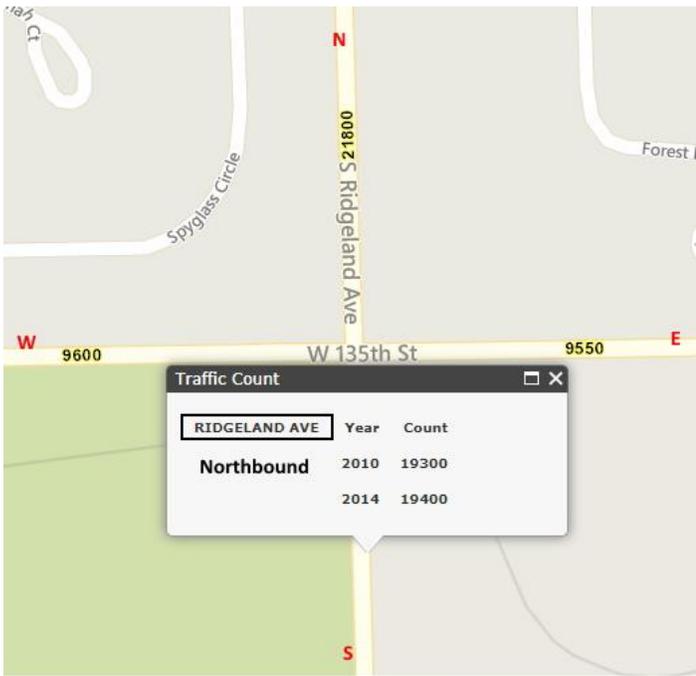
Eastbound ADTC



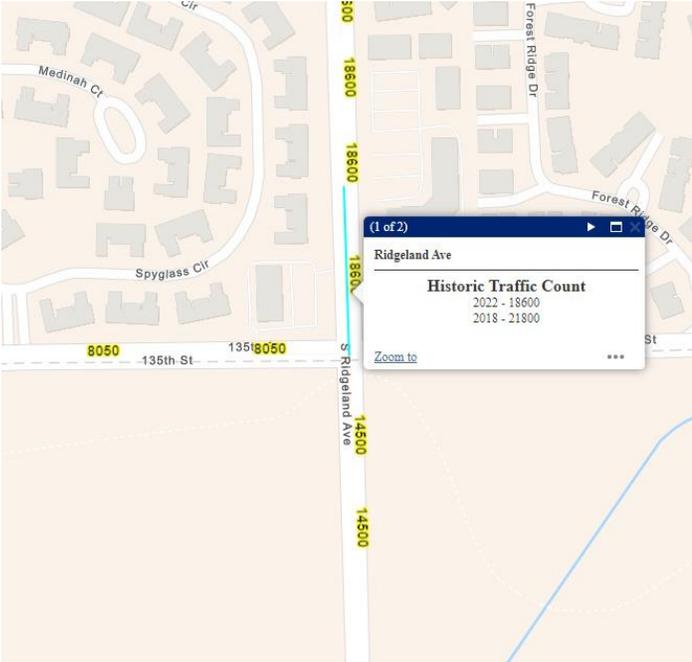
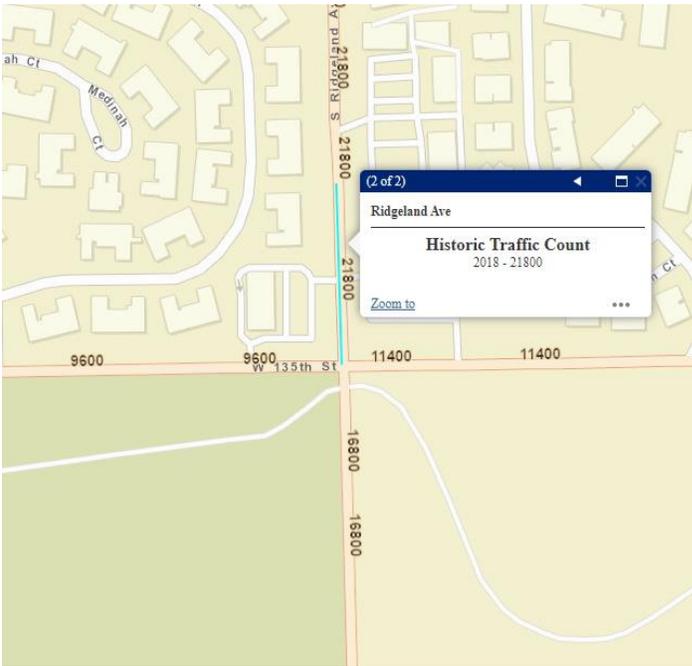
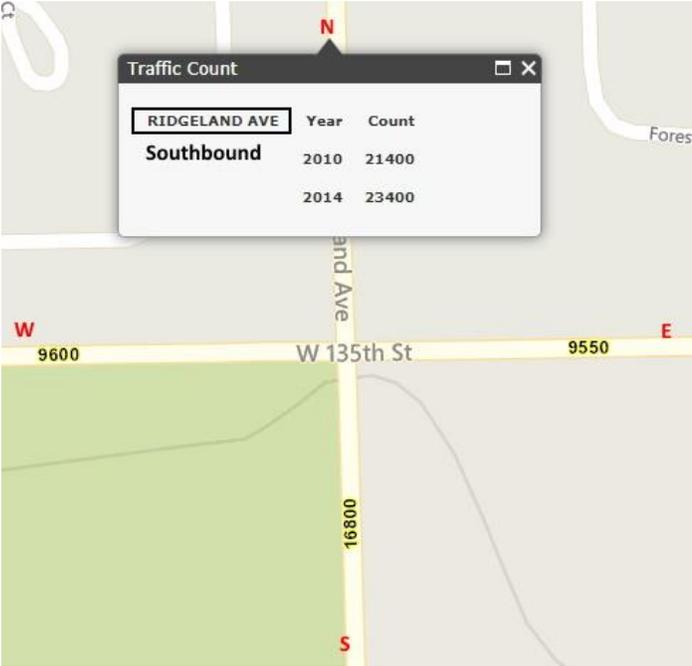
Westbound ADTC

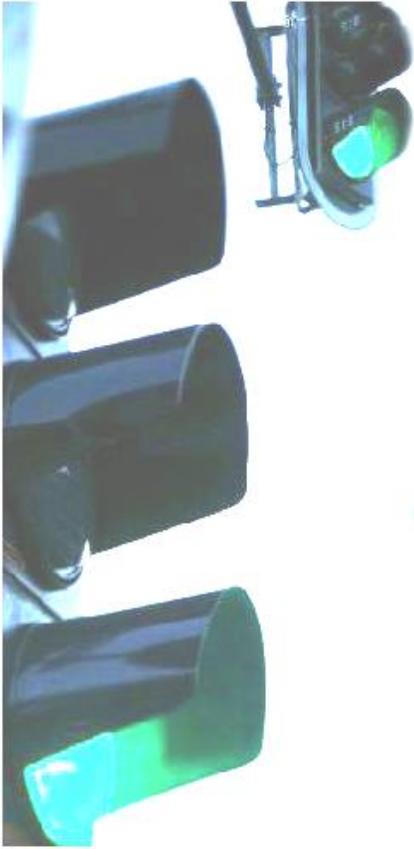


Northbound ADTC



Southbound ADTC

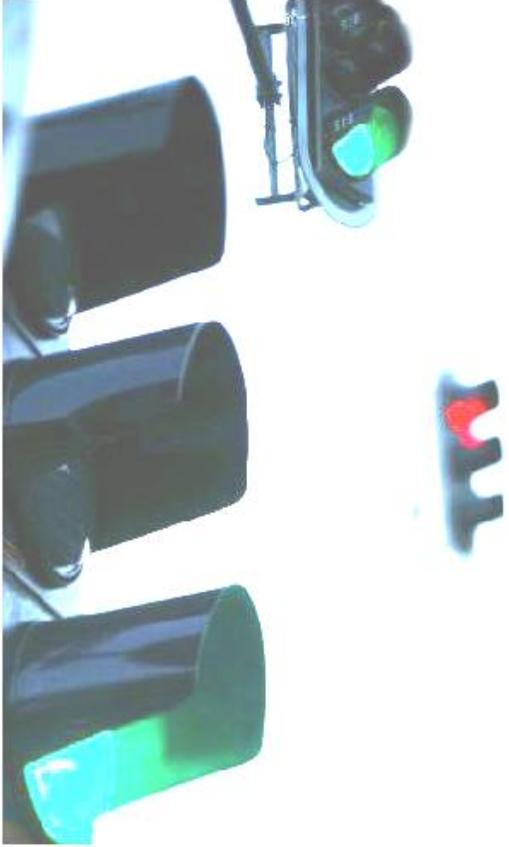




4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Westbound** approach of **135th St and Ridgeland Ave** from 2021 to 2022.

	2021	2022
In Person	4	2
By Mail	8	4



5. Report Summary and Recommendation

The **City of Palos Heights** uses state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **City of Palos Heights** is conducted in a courteous, professional and timely manner and is in compliance with the RLR regulations laid out by the Illinois Department of Transportation District 1 Bureau of Traffic Operations.

From 2012-2015, prior to RLR camera installation, the combined average of ADTC was 61,075. From 2017-2022, post RLR camera installation, the combined average of ADTC was 57,425 – a reduction of 5.98%. (See tab 3)

From 2012-2015, prior to RLR camera installation, there were 28 total crashes; this averages out to 7 crashes a year. From 2017-2022, post RLR camera installation, there were 39 total crashes; this averages out to 6.5 crashes per year - a 7.14% reduction of overall crashes in direct comparison with the time period aforementioned. (See tab 2)

Following the installation of the RLR camera, total crashes have gone down 7.14% with a reduction of 5.98% in the combined average of ADTC.

After analyzing all of the available data, we believe that the RLR camera currently in operation at the intersection of **135th St and Ridgeland Ave** in the **City of Palos Heights** is making a contribution toward improving traffic safety.

Because enhanced traffic safety is the principal aim of RLR camera enforcement programs, RLRC systems should remain at this intersection as an integral part of a traffic system process that incorporates public education, enforcement and engineering.