



135th St and Cicero Ave

<Westbound, Northbound and Southbound>



Crestwood, IL RLR Follow-Up Evaluation Report

(Amendatory Act of the 103rd General Assembly)

Reference No: 016-65301

April 2024

VILLAGE OF CRESTWOOD POLICE DEPARTMENT

13840 SOUTH CICERO AVENUE • CRESTWOOD, ILLINOIS 60418 • PHONE (708) 371-4800

April 23, 2024

David T. Weigand
Chief of Police

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

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

Re: RLR 1 Year Follow-Up Evaluation Report
135th St and Cicero Ave (Westbound, Northbound and Southbound)
Village of Crestwood
Ref #: 016-65301

Dear Mr. Karabowicz:

Please find enclosed a copy of the 1 Year RLR Follow-Up Evaluation Report for the intersection of 135th St and Cicero Ave (Westbound, Northbound and Southbound), Crestwood, Illinois.

The Village of Crestwood has been diligently submitting all previously required follow-up reports. This report was prepared in compliance with the new law, the amendatory Act of the 103rd General Assembly.

Included in this submittal 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 708-371-4800, dweigand@crestwood.illinois.gov.

Best Regards,



David Weigand
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

Table of Contents

1. RLR Camera Location, Live Date,
System Manufacturer and Contractors
2. RLR Crash Data and Analysis
3. Traffic Volume
4. Summary of Adjudication
5. Report Summary and Recommendation



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.

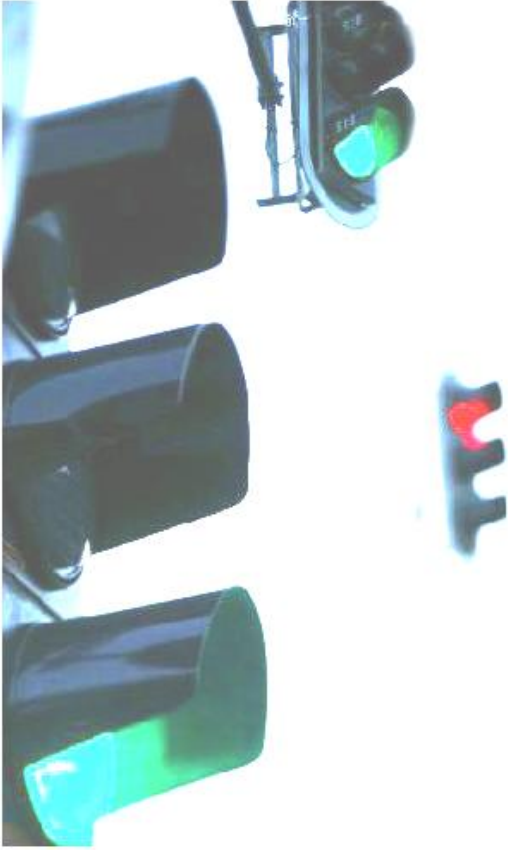
In 2016, the **Village of Crestwood** received approval from the Illinois Department of Transportation (IDOT) to install the current Red Light Running (RLR) cameras on the **Westbound, Northbound and Southbound** approaches at the intersection of **135th St and Cicero Ave.**

- Date on which the cameras went live on the Westbound, Northbound and Southbound approaches: **11/2016**
- 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**
- Date on which the cameras were deactivated and removed due to construction: **06/2023**

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 Cicero Ave** over a span of 10 years*.

	Angle	Head On	Turning	Rear End	Sideswipe	Fixed Object	Total
2013	1	0	8	14	0	0	23
2014	0	0	6	15	3	0	24
2015	0	0	6	7	1	1	15
2016	0	0	9	12	0	1	22
2017	1	0	7	11	3	0	22
2018	0	0	8	8	3	0	19
2019	1	1	7	4	3	0	16
2020	0	0	7	9	1	0	17
2021	0	0	9	6	1	0	16
2022	0	1	12	7	0	0	20

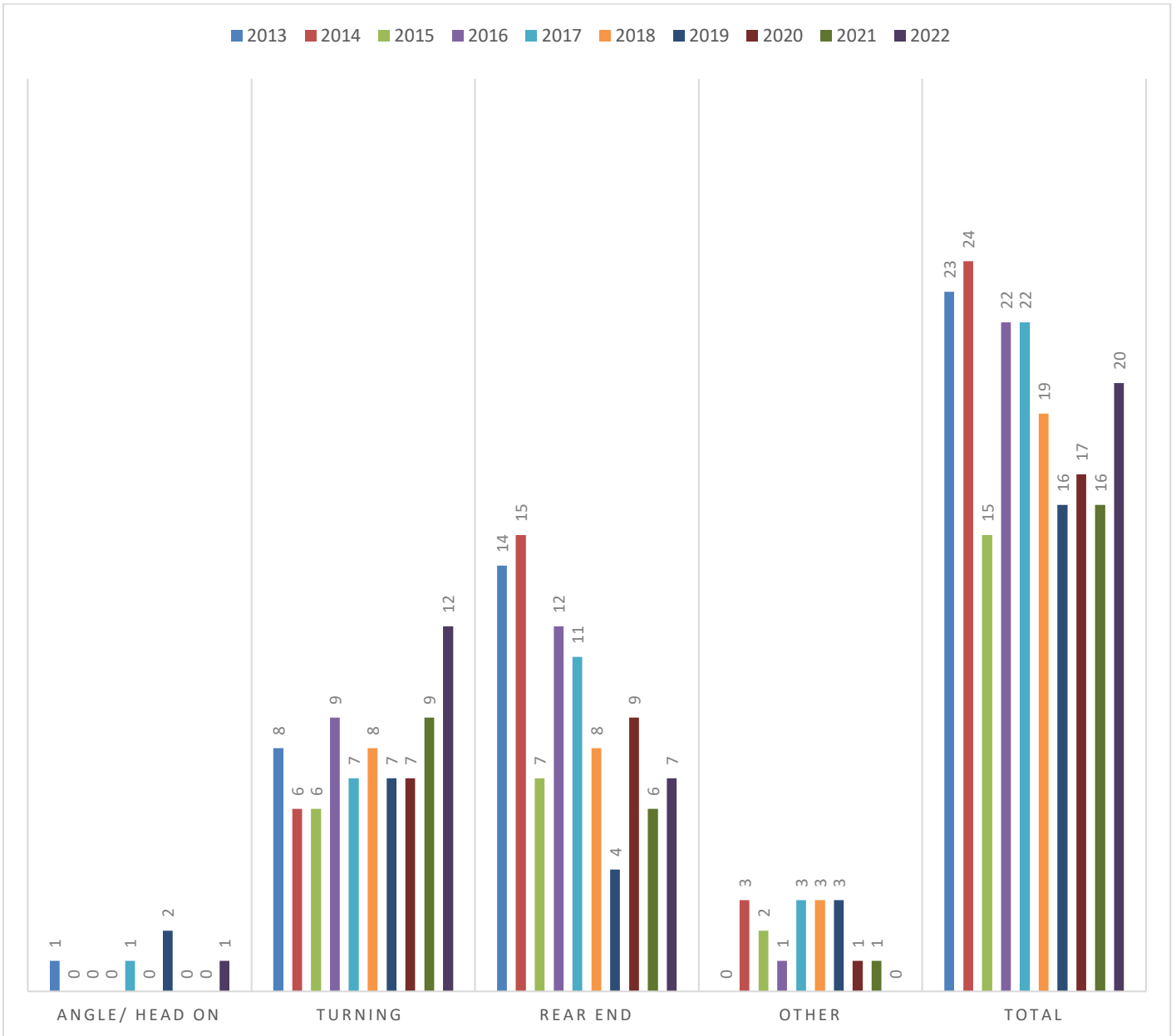
The data from 2013-2015 shows the period prior to the installation of the RLR cameras.

The data from 2016 shows the year in which the cameras were 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 2013-2022.



	Type Year	Angle/ Head On	Turning	Rear End	Other*	Total	Yearly Average
Before Installation	2013	1	8	14	0	23	20.67
	2014	0	6	15	3	24	
	2015	0	6	7	2	15	
	2016	0	9	12	1	22	
After Installation	2017	1	7	11	3	22	18.33
	2018	0	8	8	3	19	
	2019	2	7	4	3	16	
	2020	0	7	9	1	17	
	2021	0	9	6	1	16	
	2022	1	12	7	0	20	

* Other crashes include: Sideswipe and Fixed Object.

From 2013-2015, prior to RLR camera installation, there were 62 total crashes; this averages out to 20.67 crashes a year.

From 2017-2022, post RLR camera installation, there were 110 total crashes; this averages out to 18.33 crashes per year - a 11.29% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2013-2022. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.

Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: IL050 | From MileStation 39.64 to 39.64 | 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
23	0	1	3	0	19	0	6	1	5	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	4.3%	Monday	3	13.0%	01 AM	1	4.3%	Bus Over 15 Passengers	1	2.2%
Rear End	14	60.9%	Tuesday	3	13.0%	05 AM	2	8.7%	Passenger	35	76.1%
Turning	8	34.8%	Wednesday	4	17.4%	07 AM	1	4.3%	Pickup	3	6.5%
TOTAL:	23		Thursday	4	17.4%	08 AM	1	4.3%	SUV	5	10.9%
			Friday	3	13.0%	10 AM	2	8.7%	Van/Mini-Van	2	4.3%
			Saturday	4	17.4%	11 AM	1	4.3%	TOTAL:	46	
			Sunday	2	8.7%	1 PM	2	8.7%			
			TOTAL:	23		2 PM	1	4.3%			
						4 PM	2	8.7%			
						5 PM	2	8.7%			
						6 PM	4	17.4%			
						7 PM	1	4.3%			
						8 PM	1	4.3%			
						10 PM	1	4.3%			
						11 PM	1	4.3%			
						TOTAL:	23				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	19	82.6%	Darkness	6	26.1%	Dry	18	78.3%	East	8	17.4%
Rain	2	8.7%	Darkness/ Lighted Road	5	21.7%	Snow or Slush	2	8.7%	North	16	34.8%
			Dawn	1	4.3%				Northeast	1	2.2%

Coordinate Collision Diagram Report

1/1/2014 to 12/31/2014

For XCoordinate 2960342.11569392 : YCoordinate 1823307.67695084 | Foot Tolerance : 175 | 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>24</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>22</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	15	62.5%	Monday	3	12.5%	07 AM	2	8.3%	Passenger	32	64.0%
Sideswipe Same Direction	3	12.5%	Tuesday	3	12.5%	10 AM	3	12.5%	Pickup	3	6.0%
Turning	6	25.0%	Wednesday	5	20.8%	11 AM	1	4.2%	SUV	7	14.0%
TOTAL:	24		Thursday	1	4.2%	Noon	2	8.3%	Truck Single Unit	1	2.0%
			Friday	6	25.0%	1 PM	2	8.3%	Unknown	2	4.0%
			Saturday	5	20.8%	2 PM	2	8.3%	Van/Mini-Van	5	10.0%
			Sunday	1	4.2%	3 PM	1	4.2%	TOTAL:	50	
			TOTAL:	24		5 PM	5	20.8%			
						6 PM	2	8.3%			
						8 PM	1	4.2%			
						9 PM	1	4.2%			
						10 PM	2	8.3%			
						TOTAL:	24				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	17	70.8%	Darkness	4	16.7%	Dry	12	50.0%	East	10	20.0%
Cloudy/Overcast	1	4.2%	Darkness, Lighted Road	3	12.5%	Wet	12	50.0%	North	15	30.0%
Rain	6	25.0%	Daylight	17	70.8%	TOTAL:	24		Northeast	1	2.0%
TOTAL:	24		TOTAL:	24					South	13	26.0%

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2960342.1140528 : YCoordinate 1823307.70449736 | Foot Tolerance : 150 | 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>15</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	6.7%	Monday	1	6.7%	02 AM	1	6.7%	Passenger	22	73.3%
Rear End	7	46.7%	Tuesday	5	33.3%	06 AM	1	6.7%	Pickup	2	6.7%
Sideswipe Same Direction	1	6.7%	Wednesday	2	13.3%	07 AM	1	6.7%	SUV	2	6.7%
Turning	6	40.0%	Thursday	3	20.0%	09 AM	1	6.7%	Van/Mini-Van	4	13.3%
TOTAL:	15		Friday	2	13.3%	1 PM	2	13.3%	TOTAL:	30	
			Saturday	2	13.3%	2 PM	3	20.0%			
			TOTAL:	15		3 PM	1	6.7%			
						4 PM	3	20.0%			
						6 PM	1	6.7%			
						8 PM	1	6.7%			
						TOTAL:	15				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	13	86.7%	Darkness	1	6.7%	Dry	13	86.7%	East	3	10.0%
Cloudy/Overcast	1	6.7%	Darkness, Lighted Road	1	6.7%	Snow or Slush	2	13.3%	North	9	30.0%
Snow	1	6.7%	Daylight	12	80.0%	TOTAL:	15		South	9	30.0%
TOTAL:	15		Dusk	1	6.7%				West	9	30.0%
			TOTAL:	15					TOTAL:	30	

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2960342.1140528 : YCoordinate 1823307.70449736 | Foot Tolerance : 150 | 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>22</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>20</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	4.5%	Monday	1	4.5%	01 AM	3	13.6%	Passenger	28	62.2%
Rear End	12	54.5%	Tuesday	4	18.2%	09 AM	1	4.5%	Pickup	6	13.3%
Turning	9	40.9%	Wednesday	3	13.6%	10 AM	1	4.5%	SUV	6	13.3%
TOTAL:	22		Thursday	4	18.2%	11 AM	2	9.1%	Unknown	1	2.2%
			Friday	6	27.3%	Noon	2	9.1%	Van/Mini-Van	4	8.9%
			Saturday	3	13.6%	2 PM	2	9.1%	TOTAL:	45	
			Sunday	1	4.5%	3 PM	2	9.1%			
			TOTAL:	22		4 PM	3	13.6%			
						7 PM	2	9.1%			
						8 PM	2	9.1%			
						9 PM	1	4.5%			
						10 PM	1	4.5%			
						TOTAL:	22				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	19	86.4%	Darkness	1	4.5%	Dry	20	90.9%	East	9	20.0%
Cloudy/Overcast	1	4.5%	Darkness, Lighted Road	4	18.2%	Wet	2	9.1%	North	24	53.3%
Rain	2	9.1%	Daylight	16	72.7%	TOTAL:	22		South	10	22.2%
TOTAL:	22								Southeast	1	2.2%

Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2960342.1140528 : YCoordinate 1823307.70449736 | Foot Tolerance : 150 | 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>22</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>3</u>	<u>17</u>	<u>0</u>	<u>9</u>	<u>0</u>	<u>2</u>	<u>7</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	4.5%	Monday	7	31.8%	Midnight	1	4.5%	Passenger	35	71.4%
Rear End	11	50.0%	Tuesday	1	4.5%	03 AM	1	4.5%	Pickup	5	10.2%
Sideswipe Same Direction	3	13.6%	Wednesday	3	13.6%	04 AM	1	4.5%	SUV	5	10.2%
Turning	7	31.8%	Thursday	3	13.6%	07 AM	1	4.5%	Tractor With Semi-Trailer	1	2.0%
TOTAL:	22		Friday	6	27.3%	08 AM	3	13.6%	Van/Mini-Van	3	6.1%
			Saturday	2	9.1%	09 AM	1	4.5%	TOTAL:	49	
			TOTAL:	22		10 AM	1	4.5%			
						11 AM	1	4.5%			
						Noon	3	13.6%			
						1 PM	2	9.1%			
						2 PM	1	4.5%			
						5 PM	2	9.1%			
						6 PM	1	4.5%			
						7 PM	1	4.5%			
						8 PM	1	4.5%			
						10 PM	1	4.5%			
						TOTAL:	22				

Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2960342.567 : YCoordinate 1823309.765 | Foot Tolerance : 150 | 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>19</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>3</u>	<u>13</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>6</u>	<u>8</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	8	42.1%	Monday	1	5.3%	02 AM	2	10.5%	Bus 9 to 15 seats	1	2.4%
Sideswipe Same Direction	3	15.8%	Tuesday	2	10.5%	03 AM	1	5.3%	Passenger	20	48.8%
Turning	8	42.1%	Wednesday	2	10.5%	04 AM	1	5.3%	Pickup	4	9.8%
TOTAL:	19		Thursday	4	21.1%	06 AM	1	5.3%	SUV	9	22.0%
			Friday	1	5.3%	07 AM	1	5.3%	Tractor With Semi-Trailer	1	2.4%
			Saturday	5	26.3%	08 AM	2	10.5%	Van/Mini-Van	6	14.6%
			Sunday	4	21.1%	11 AM	1	5.3%	TOTAL:	41	
			TOTAL:	19		Noon	3	15.8%			
						1 PM	1	5.3%			
						2 PM	1	5.3%			
						6 PM	3	15.8%			
						9 PM	1	5.3%			
						10 PM	1	5.3%			
						TOTAL:	19				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	14	73.7%	Darkness	2	10.5%	Dry	16	84.2%	East	4	9.8%
Cloudy/Overcast	2	10.5%	Darkness, Lighted Road	6	31.6%	Ice	1	5.3%	North	7	17.1%
Fog/Smoke/Haze	1	5.3%	Dawn	1	5.3%				Northeast	1	2.4%

Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2960342.567 : YCoordinate 1823309.765 | Foot Tolerance : 150 | 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>16</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>1</u>	<u>12</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>4</u>	<u>3</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	6.3%	Monday	2	12.5%	08 AM	2	12.5%	Bus over 15 seats	1	2.7%
Front to Front	1	6.3%	Tuesday	1	6.3%	09 AM	1	6.3%	Passenger	26	70.3%
Front to Rear	4	25.0%	Wednesday	3	18.8%	10 AM	1	6.3%	Pickup	4	10.8%
Sideswipe Same Direction	3	18.8%	Thursday	3	18.8%	Noon	2	12.5%	SUV	3	8.1%
Turning	7	43.8%	Friday	4	25.0%	2 PM	3	18.8%	Tractor With Semi-Trailer	1	2.7%
TOTAL:	16		Saturday	2	12.5%	3 PM	3	18.8%	Van/Mini-Van	2	5.4%
			Sunday	1	6.3%	4 PM	2	12.5%	TOTAL:	37	
			TOTAL:	16		6 PM	1	6.3%			
						9 PM	1	6.3%			
						TOTAL:	16				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	14	87.5%	Darkness, Lighted Road	1	6.3%	Dry	14	87.5%	East	1	2.7%
Cloudy/Overcast	1	6.3%	Daylight	15	93.8%	Wet	2	12.5%	North	10	27.0%
Rain	1	6.3%	TOTAL:	16		TOTAL:	16		Northwest	2	5.4%
TOTAL:	16								South	11	29.7%
									Southeast	2	5.4%
									West	11	29.7%
									TOTAL:	37	

Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2960342.567 : YCoordinate 1823309.765 | Foot Tolerance : 150 | 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>17</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>3</u>	<u>13</u>	<u>0</u>	<u>6</u>	<u>1</u>	<u>0</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	8	47.1%	Monday	3	17.6%	Midnight	1	5.9%	Passenger	24	66.7%
Rear to Front	1	5.9%	Tuesday	2	11.8%	09 AM	1	5.9%	Pickup	1	2.8%
Sideswipe Same Direction	1	5.9%	Wednesday	4	23.5%	11 AM	2	11.8%	SUV	7	19.4%
Turning	7	41.2%	Thursday	1	5.9%	Noon	1	5.9%	Unknown	1	2.8%
TOTAL:	17		Friday	3	17.6%	1 PM	3	17.6%	Van/Mini-Van	3	8.3%
			Sunday	4	23.5%	2 PM	2	11.8%	TOTAL:	36	
			TOTAL:	17		4 PM	1	5.9%			
						5 PM	3	17.6%			
						6 PM	1	5.9%			
						8 PM	1	5.9%			
						9 PM	1	5.9%			
						TOTAL:	17				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	16	94.1%	Darkness	1	5.9%	Dry	16	94.1%	East	8	22.2%
Rain	1	5.9%	Darkness, Lighted Road	3	17.6%	Wet	1	5.9%	North	11	30.6%
TOTAL:	17		Daylight	12	70.6%	TOTAL:	17		South	9	25.0%
			Dusk	1	5.9%				Southeast	1	2.8%
			TOTAL:	17							

Coordinate Collision Diagram Report

1/1/2021 to 12/31/2021

For XCoordinate 2960340.912 : YCoordinate 1823308.11 | 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
<u>16</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>1</u>	<u>6</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	6	37.5%	Monday	4	25.0%	03 AM	1	6.3%	Other	1	3.1%
Sideswipe Same Direction	1	6.3%	Tuesday	1	6.3%	04 AM	2	12.5%	Passenger	23	71.9%
Turning	9	56.3%	Wednesday	1	6.3%	09 AM	1	6.3%	Pickup	2	6.3%
TOTAL:	16		Thursday	1	6.3%	10 AM	3	18.8%	SUV	3	9.4%
			Friday	3	18.8%	Noon	1	6.3%	Tractor With Semi-Trailer	1	3.1%
			Saturday	4	25.0%	3 PM	1	6.3%	Unknown	1	3.1%
			Sunday	2	12.5%	4 PM	1	6.3%	Van/Mini-Van	1	3.1%
			TOTAL:	16		5 PM	2	12.5%	TOTAL:	32	
						7 PM	2	12.5%			
						10 PM	2	12.5%			
						TOTAL:	16				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	13	81.3%	Darkness	2	12.5%	Dry	12	75.0%	East	5	15.6%
Fog/Smoke/Haze	1	6.3%	Darkness, Lighted Road	4	25.0%	Snow or Slush	1	6.3%	North	9	28.1%
Rain	1	6.3%	Daylight	9	56.3%	Wet	3	18.8%	Northwest	1	3.1%
Snow	1	6.3%	Dusk	1	6.3%	TOTAL:	16		South	8	25.0%
TOTAL:	16		TOTAL:	16					Southeast	1	3.1%
									Unknown	1	3.1%

Coordinate Collision Diagram Report

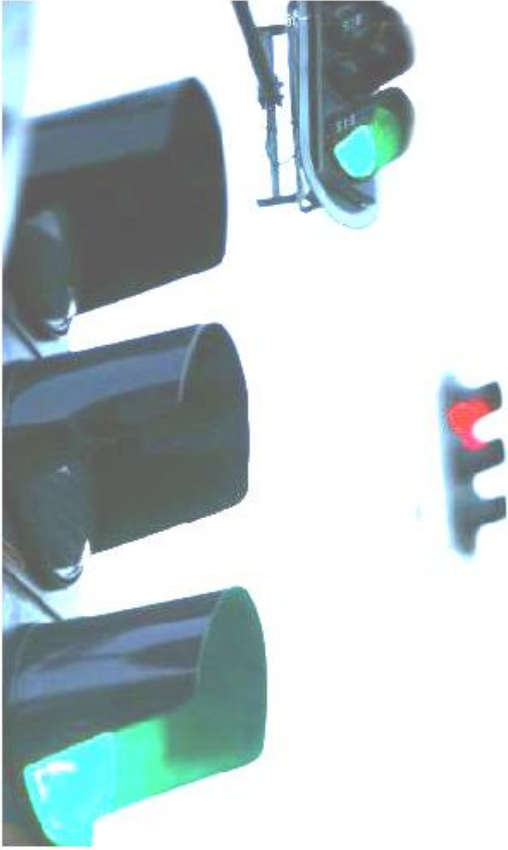
1/1/2022 to 12/31/2022

For XCoordinate 2960342.559 : YCoordinate 1823308.964 | 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
<u>20</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>18</u>	<u>0</u>	<u>3</u>	<u>2</u>	<u>0</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Front	1	5.0%	Monday	3	15.0%	07 AM	1	5.0%	Bus 9 to 15 seats	1	2.4%
Front to Rear	6	30.0%	Tuesday	5	25.0%	08 AM	1	5.0%	Passenger	27	64.3%
Rear to Front	1	5.0%	Wednesday	1	5.0%	09 AM	1	5.0%	Pickup	3	7.1%
Turning	12	60.0%	Thursday	2	10.0%	11 AM	2	10.0%	Single Unit Truck with Trailer	1	2.4%
TOTAL:	20		Friday	3	15.0%	Noon	2	10.0%	SUV	7	16.7%
			Saturday	4	20.0%	2 PM	1	5.0%	Van/Mini-Van	3	7.1%
			Sunday	2	10.0%	3 PM	3	15.0%	TOTAL:	42	
			TOTAL:	20		4 PM	1	5.0%			
						6 PM	4	20.0%			
						7 PM	2	10.0%			
						8 PM	1	5.0%			
						11 PM	1	5.0%			
						TOTAL:	20				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Blowing Snow	1	5.0%	Darkness, Lighted Road	6	30.0%	Dry	15	75.0%	East	5	11.9%
Clear	17	85.0%	Daylight	14	70.0%	Ice	1	5.0%	North	14	33.3%
Cloudy/Overcast	1	5.0%	TOTAL:	20		Snow or Slush	1	5.0%	Northwest	3	7.1%
									South	10	23.8%



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **135th St and Cicero Ave** over a span of 10 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 cameras.

The data from 2016 shows the year in which the cameras were installed.

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

	Direction	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
	Year						
Before Installation	2013	9,700	17,600	44,200	39,100	110,600	104,800
	2014	9,700	15,100	44,200	39,100	108,100	
	2015	9,700	15,100	34,500	36,400	95,700	
	2016	9,700	15,100	34,500	36,400	95,700	
After Installation	2017	9,700	15,100	37,700	36,800	99,300	100,325
	2018	9,550	18,200	37,700	36,800	102,250	
	2019	9,550	18,200	35,900	32,700	96,350	
	2020	9,550	18,200	35,900	32,700	96,350	
	2021	11,400	11,300	40,200	40,400	103,300	
	2022	9,300	14,500	40,200	40,400	104,400	

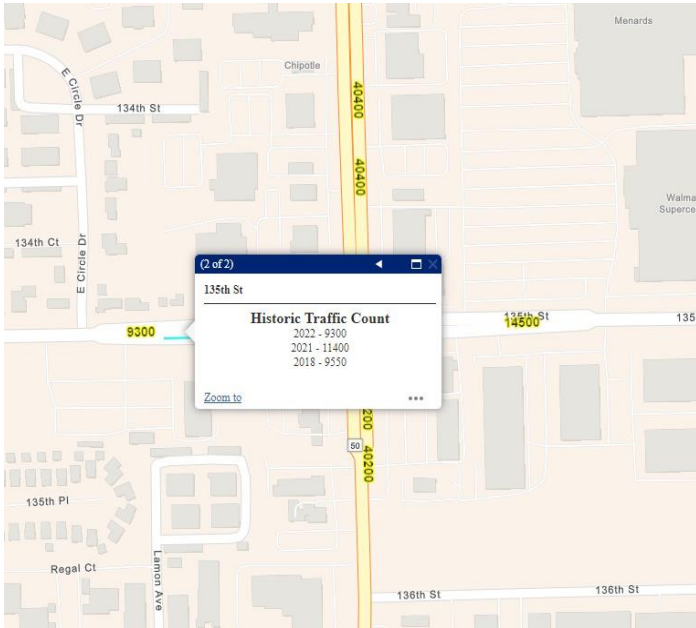
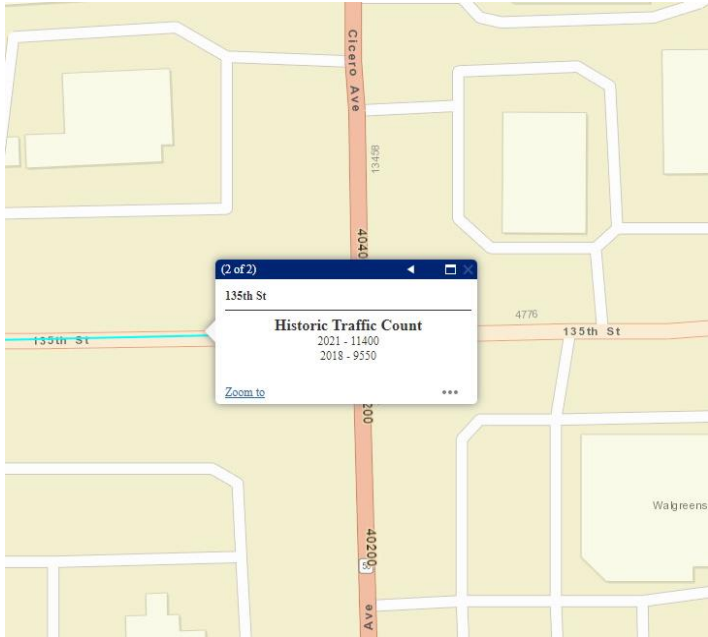
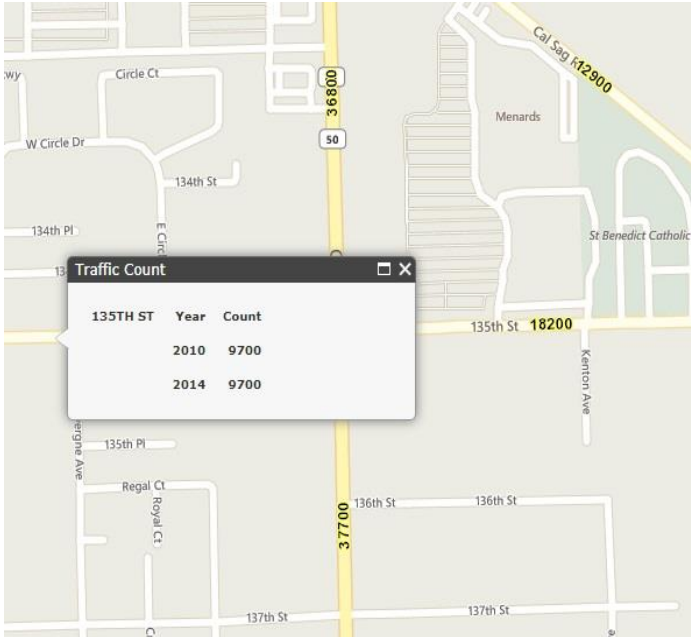
From 2013-2015, prior to RLR camera installation, the combined average of ADTC was 104,800.

From 2017-2022, post RLR camera installation, the combined average of ADTC was 100,325 - a slight reduction of 4.27%.

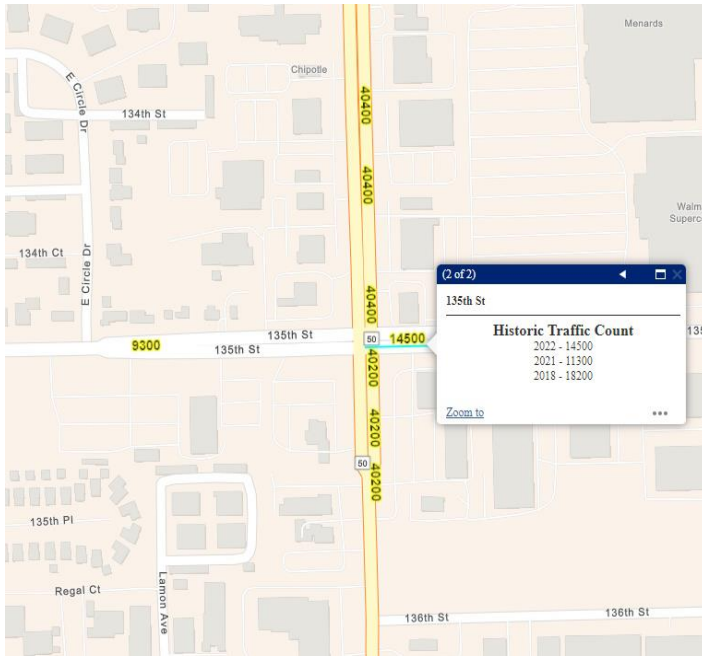
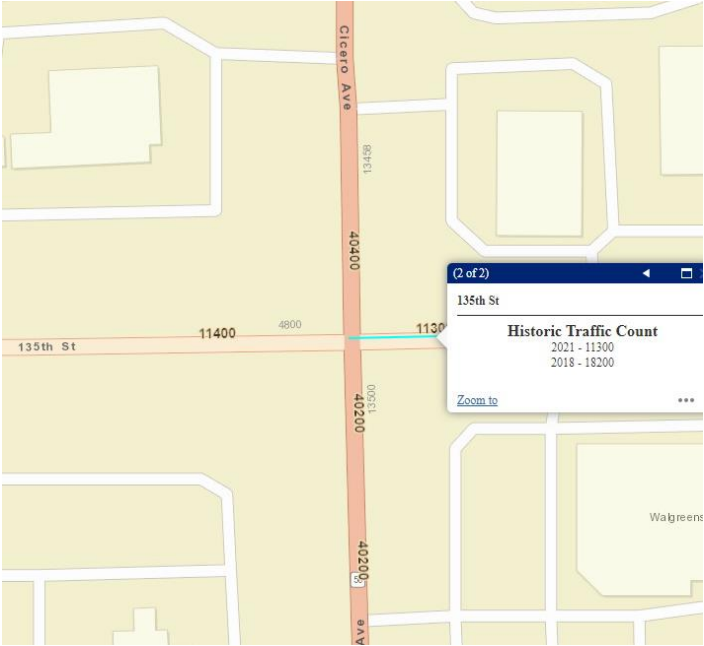
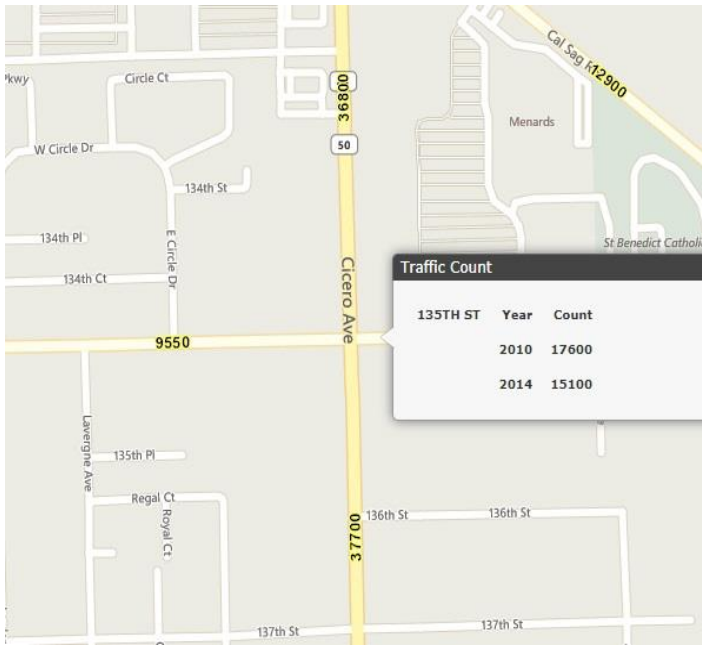
The following pages show the complete ADTC data from 2013-2022 obtained from the IDOT's website.

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.

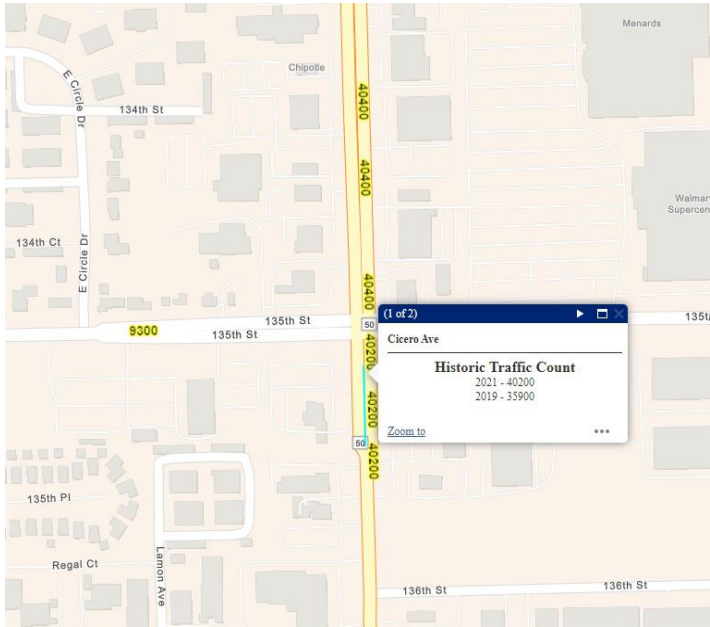
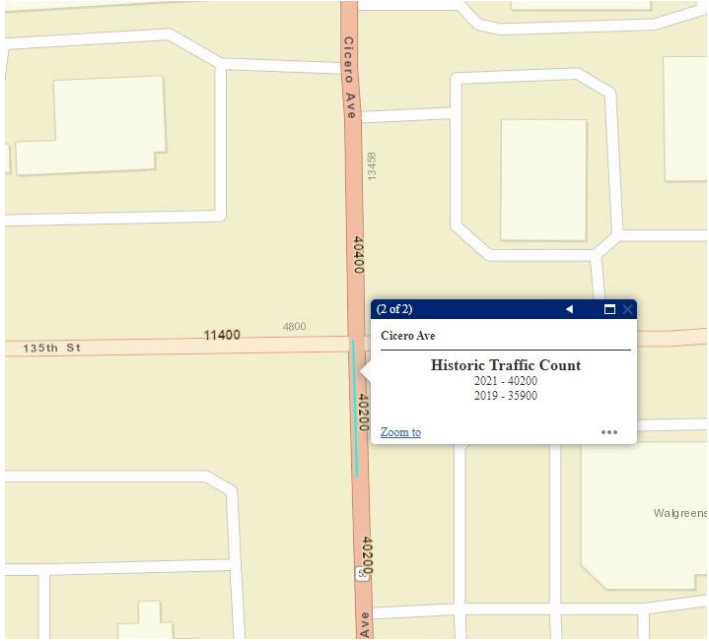
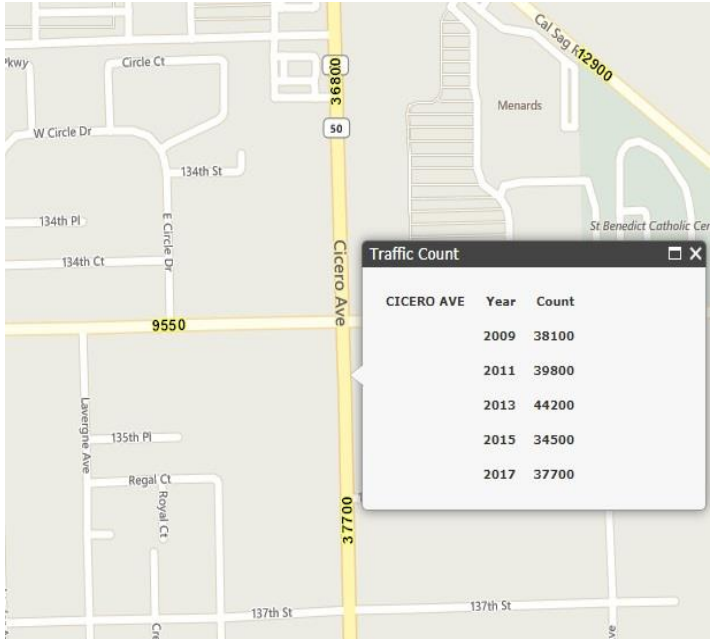
Eastbound ADTC



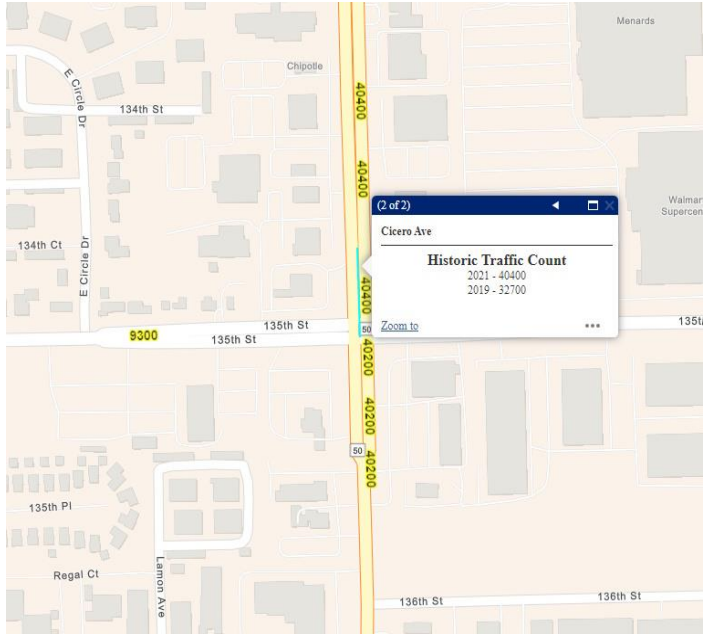
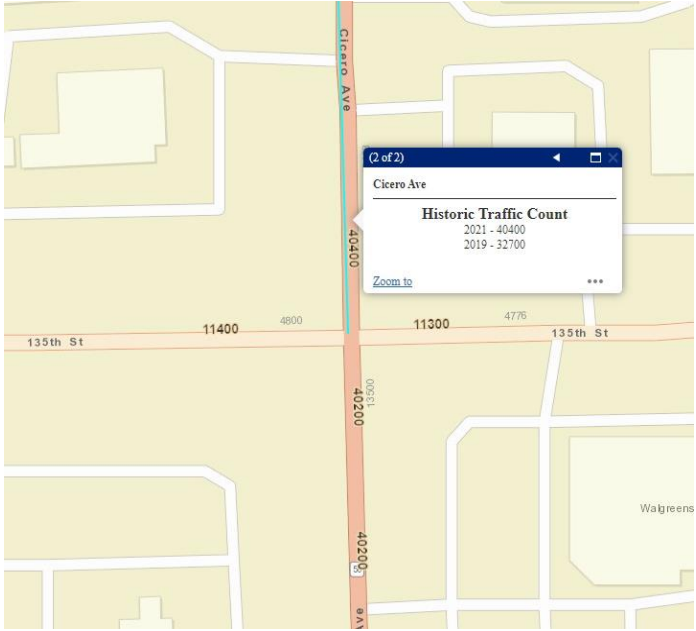
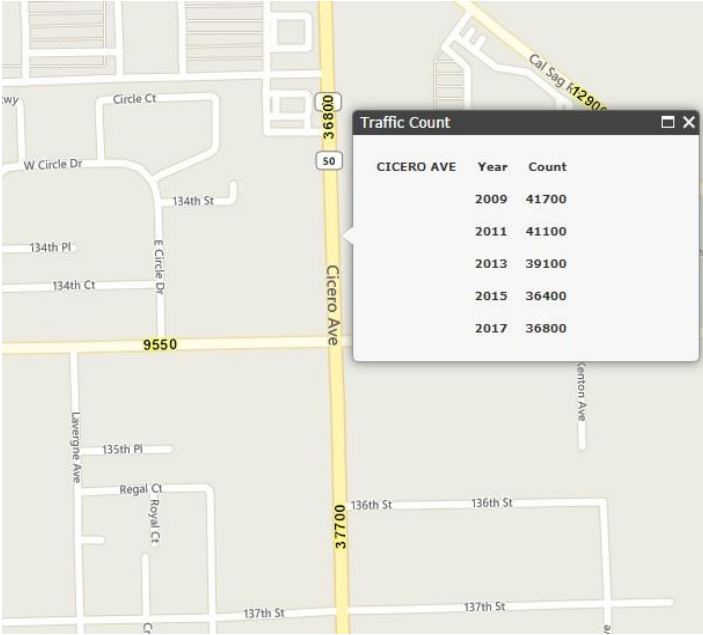
Westbound ADTC



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 Cicero Ave** from 2021 to 2022.

	2021	2022
In Person	80	141
By Mail	89	107

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

	2021	2022
In Person	61	54
By Mail	43	26

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

	2021	2022
In Person	66	105
By Mail	50	73



5. Report Summary and Recommendation

The **Village of Crestwood** uses state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **Village of Crestwood** 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 2013-2015, prior to RLR camera installation, the combined average of ADTC was 104,800. From 2017-2022, post RLR camera installation, the combined average of ADTC was 100,325 - a slight reduction of 4.27%. (See tab 3)

From 2013-2015, prior to RLR camera installation, there were 62 total crashes; this averages out to 20.67 crashes a year. From 2017-2022, post RLR camera installation, there were 110 total crashes; this averages out to 18.33 crashes per year - a 11.29% reduction of overall crashes in direct comparison with the time period aforementioned. (See tab 2)

Following the installation of the RLR cameras, total crashes have gone down 11.29% with a reduction of 4.27% in the combined average of ADTC.

After analyzing all of the available data, we believe that the RLR cameras in operation at the intersection of 135th St and Cicero Ave in the **Village of Crestwood** were making a contribution toward improving traffic safety. Though, the cameras have been deactivated and removed since June 2023 due to a major road way improvement. As soon as the current construction is completed, the **Village of Crestwood** will apply for reactivation/reinstallation permit to regain those benefits.

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.