



87th St and Cicero Ave

<Northbound>



Hometown, IL RLR 3 Year Follow-Up Evaluation Report

Reference No: 016-60780

June 2022



HOMETOWN POLICE DEPARTMENT

CHIEF OF POLICE

Louis Dominguez
Chief of Police

James Rowland
Deputy Chief of Police

June 14, 2022

Thomas G. Gallenbach, P.E.
Area Permit Engineer
Illinois Department of Transportation
Bureau of Traffic
201 West Center Court
Schaumburg, Illinois 60196-1096

Re: RLR 3 Year Follow-Up Evaluation Report
87th St. and Cicero Ave.
City of Hometown
Ref #: 016-60780

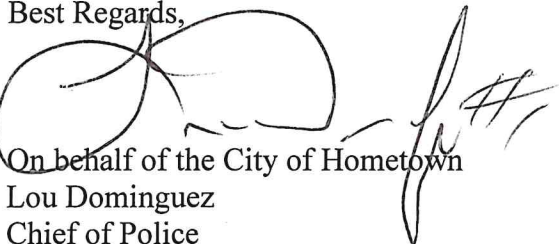
Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 Year RLR Follow-Up Evaluation Report for the intersection of 87th Street and Cicero Ave, Hometown Illinois.

In this submittal, included are: RLR Camera Location, Implementation Date, System Manufacturer and Contractors, RLR Crash Data and Analysis, Traffic Volume, 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 708-422-2188, ldominguez@cityofhometown.org.

Best Regards,


On behalf of the City of Hometown
Lou Dominguez
Chief of Police

Evaluation Checklist

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

In 2014, the **City of Hometown** received approval from the Illinois Department of Transportation (IDOT) to install a Red Light Running (RLR) camera on the **Northbound** approach at the intersection of **87th St and Cicero Ave.**

- Date on which the camera went live on the Northbound approach: **06/2014**
- Year in which the 1 Year Follow-Up Evaluation Report was submitted to the IDOT: **2017**
- Year in which the 3 Year Follow-Up Evaluation Report was submitted to the IDOT: **2020**

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>SafeSpeed, LLC 150 North Wacker Drive Floor 8 Chicago, IL 60606</p> <p>Phone: (877) 237-2331 Fax: (877) 237-2302 Email: info@safespeedllc.com Web: safespeedllc.com</p> <p>Key Contact: Ryan Kim Phone: (312) 924-7248 Email: rkim@safespeedllc.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 **87th St and Cicero Ave** over a span of 12 years*.

	Angle	Head On	Turning	Rear End	Pedestrian	Sideswipe	Fixed Object	Total
2010	1	0	16	12	0	0	0	29
2011	1	0	8	7	0	0	0	16
2012	2	1	15	11	0	0	0	29
2013	1	0	4	17	1	1	1	25
2014	2	0	4	5	0	0	0	11
2015	0	0	9	8	0	2	0	19
2016	1	0	8	9	0	0	2	20
2017	2	0	5	7	0	1	0	15
2018	0	0	13	7	0	2	0	22
2019	2	2	9	7	0	0	0	20
2020	2	0	8	4	0	1	1	16
2021	3	0	10	4	0	1	0	18

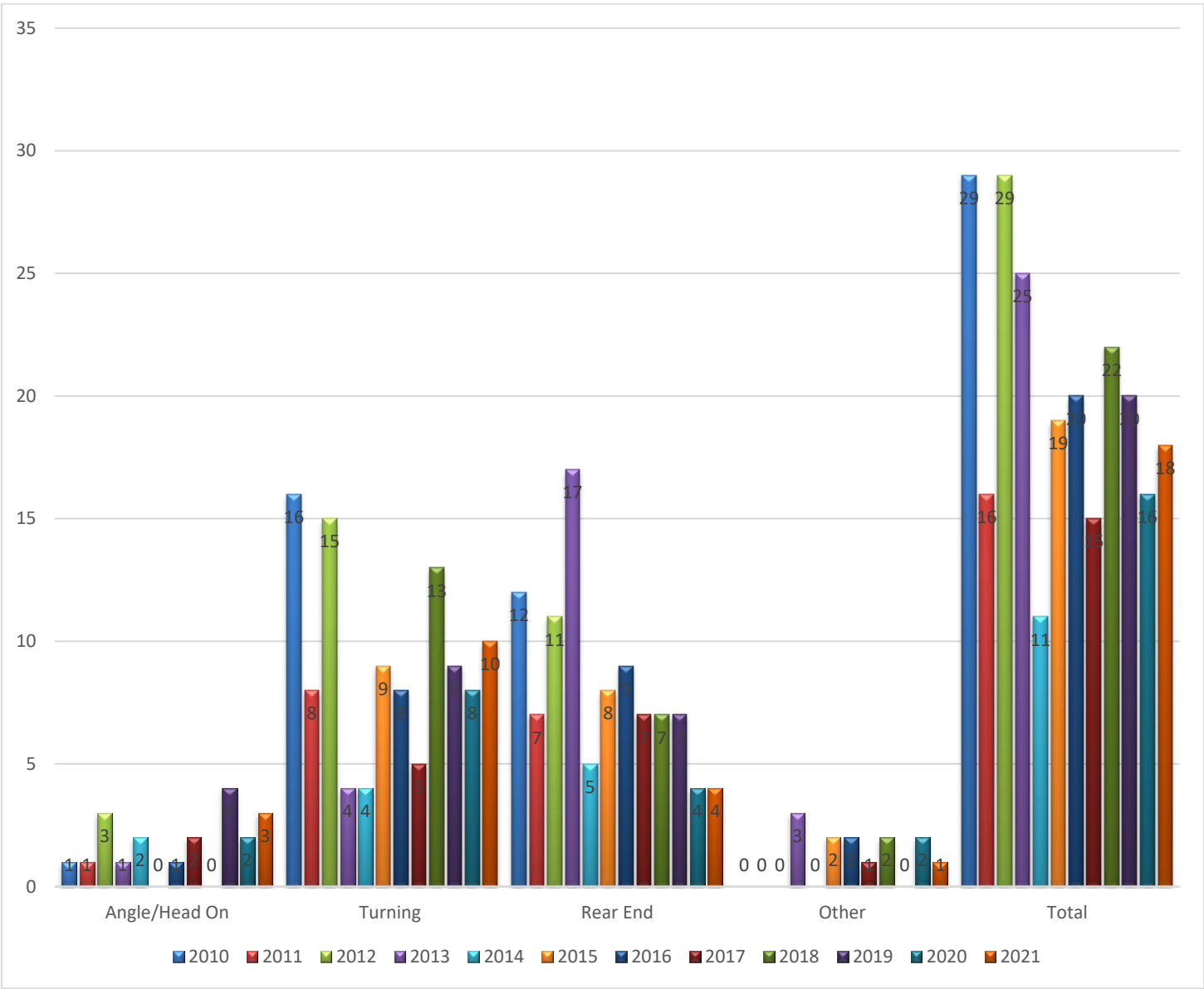
The data from 2010-2013 shows the period prior to the installation of the RLR camera.

The data from 2014 shows the year in which the camera was installed.

The data from 2015-2021 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 2010-2021.



	Year \ Type	Angle/ Head On	Turning	Rear End	Other*	Total	Yearly Average
Before Installation	2010	1	16	12	0	29	24.75
	2011	1	8	7	0	16	
	2012	3	15	11	0	29	
	2013	1	4	17	3	25	
	2014	2	4	5	0	11	
After Installation	2015	0	9	8	2	19	18.57
	2016	1	8	9	2	20	
	2017	2	5	7	1	15	
	2018	0	13	7	2	22	
	2019	4	9	7	0	20	
	2020	2	8	4	2	16	
	2021	3	10	4	1	18	

* Other crashes include: Pedestrian, Sideswipe and Fixed Object.

From 2010-2013, prior to RLR camera installation, there were 99 total crashes; this averages out to 24.75 crashes a year.

From 2015-2021, post RLR camera installation, there were 130 total crashes; this averages out to 18.57 crashes per year - a 24.96% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2010-2021. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.



Collision Diagram

1/1/2010 to 12/31/2010

Crash Route: IL050 | From MileStation 45.68 to 45.68 | 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>29</u>	<u>0</u>	<u>0</u>	<u>6</u>	<u>4</u>	<u>19</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>8</u>	<u>8</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	16	55.2%	Monday	2	6.9%	02 AM	1	3.4%	Passenger	36	61.0%
11-Rear end	12	41.4%	Tuesday	5	17.2%	09 AM	1	3.4%	Pickup	3	5.1%
15-Angle	1	3.4%	Wednesday	7	24.1%	10 AM	1	3.4%	Sport utility vehicle (SUV)	10	16.9%
TOTAL:	29		Thursday	2	6.9%	11 AM	2	6.9%	Van/mini van	10	16.9%
			Friday	3	10.3%	Noon	1	3.4%	TOTAL:	59	
			Saturday	3	10.3%	1 PM	1	3.4%			
			Sunday	7	24.1%	2 PM	1	3.4%			
			TOTAL:	29		3 PM	1	3.4%			
					4 PM	6	20.7%				
					6 PM	3	10.3%				
					7 PM	3	10.3%				
					8 PM	2	6.9%				
					9 PM	3	10.3%				
					10 PM	1	3.4%				
					11 PM	2	6.9%				
					TOTAL:	29					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	20	69.0%	Darkness/Lighted road	16	55.2%	Dry	20	69.0%	East	12	20.3%
Other	2	6.9%	Daylight	12	41.4%	Snow or slush	2	6.9%	North	16	27.1%
Rain	3	10.3%	Unknown	1	3.4%	Unknown	1	3.4%	Northwest	3	5.1%



Collision Diagram

1/1/2011 to 12/31/2011

Crash Route: IL050 | From MileStation 45.68 to 45.68 | 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>2</u>	<u>2</u>	<u>3</u>	<u>9</u>	<u>0</u>	<u>8</u>	<u>2</u>	<u>2</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	6.3%	Tuesday	2	12.5%	06 AM	1	6.3%	Bus Over 15 Passengers	1	2.6%
Rear End	7	43.8%	Wednesday	1	6.3%	Noon	1	6.3%	Passenger	27	71.1%
Turning	8	50.0%	Thursday	2	12.5%	1 PM	1	6.3%	Pickup	1	2.6%
TOTAL:	16		Friday	5	31.3%	2 PM	1	6.3%	SUV	5	13.2%
			Saturday	2	12.5%	3 PM	2	12.5%	Truck Single Unit	1	2.6%
			Sunday	4	25.0%	4 PM	2	12.5%	Van/Mini-Van	3	7.9%
			TOTAL:	16		5 PM	1	6.3%	TOTAL:	38	
						6 PM	1	6.3%			
						8 PM	2	12.5%			
						9 PM	2	12.5%			
						10 PM	1	6.3%			
						11 PM	1	6.3%			
						TOTAL:	16				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	62.5%	Darkness, Lighted Road	7	43.8%	Dry	9	56.3%	East	10	26.3%
Other	1	6.3%	Daylight	9	56.3%	Wet	7	43.8%	North	3	7.9%
Rain	5	31.3%	TOTAL:	16		TOTAL:	16		Northeast	1	2.6%
TOTAL:	16								Northwest	3	7.9%
									South	13	34.2%
									West	8	21.1%



Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: IL050 | From MileStation 45.68 to 45.68 | 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>29</u>	<u>0</u>	<u>1</u>	<u>4</u>	<u>3</u>	<u>21</u>	<u>0</u>	<u>9</u>	<u>1</u>	<u>4</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	6.9%	Monday	4	13.8%	Midnight	1	3.4%	Passenger	42	67.7%
Head On	1	3.4%	Tuesday	2	6.9%	04 AM	1	3.4%	Pickup	4	6.5%
Rear End	11	37.9%	Wednesday	5	17.2%	10 AM	1	3.4%	SUV	12	19.4%
Turning	15	51.7%	Thursday	5	17.2%	11 AM	1	3.4%	Tractor With Semi-Trailer	1	1.6%
TOTAL:	29		Friday	4	13.8%	Noon	4	13.8%	Van/Mini-Van	3	4.8%
			Saturday	4	13.8%	1 PM	1	3.4%	TOTAL:	62	
			Sunday	5	17.2%	2 PM	1	3.4%			
			TOTAL:	29		3 PM	5	17.2%			
					4 PM	2	6.9%				
					5 PM	3	10.3%				
					6 PM	3	10.3%				
					7 PM	1	3.4%				
					8 PM	2	6.9%				
					9 PM	3	10.3%				
					TOTAL:	29					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	27	93.1%	Darkness	1	3.4%	Dry	25	86.2%	East	8	12.9%
Snow	1	3.4%	Darkness, Lighted Road	9	31.0%	Unknown	1	3.4%	North	16	25.8%
Unknown	1	3.4%	Daylight	18	62.1%	Wet	3	10.3%	Northeast	4	6.5%
TOTAL:	29		Dusk	1	3.4%	TOTAL:	29		Northwest	3	4.8%



Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: IL050 | From MileStation 45.68 to 45.68 | 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>25</u>	<u>0</u>	<u>2</u>	<u>3</u>	<u>1</u>	<u>19</u>	<u>0</u>	<u>13</u>	<u>2</u>	<u>10</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	4.0%	Monday	2	8.0%	Midnight	1	4.0%	Bus Over 15 Passengers	1	2.0%
Fixed Object	1	4.0%	Tuesday	2	8.0%	03 AM	1	4.0%	Motorcycle (Over 150cc)	1	2.0%
Pedestrian	1	4.0%	Wednesday	4	16.0%	04 AM	1	4.0%	Passenger	36	73.5%
Rear End	17	68.0%	Thursday	2	8.0%	06 AM	2	8.0%	Pickup	5	10.2%
Sideswipe Same Direction	1	4.0%	Friday	4	16.0%	08 AM	1	4.0%	SUV	3	6.1%
Turning	4	16.0%	Saturday	6	24.0%	09 AM	2	8.0%	Tractor With Semi-Trailer	1	2.0%
TOTAL:	25		Sunday	5	20.0%	11 AM	1	4.0%	Truck Single Unit	1	2.0%
			TOTAL:	25		Noon	2	8.0%	Van/Mini-Van	1	2.0%
						1 PM	2	8.0%	TOTAL:	49	
						2 PM	1	4.0%			
						3 PM	1	4.0%			
						4 PM	3	12.0%			
						5 PM	1	4.0%			
						6 PM	4	16.0%			
						7 PM	2	8.0%			
						TOTAL:	25				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	17	68.0%	Darkness	3	12.0%	Dry	18	72.0%	East	2	4.1%
Fog/Smoke/Haze	1	4.0%	Darkness/ Lighted Road	6	24.0%	Snow or Slush	1	4.0%	North	18	36.7%
Rain	5	20.0%	Daylight	13	52.0%				Northwest	1	2.0%



Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL050 | From MileStation 45.68 to 45.68 | 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
11	0	0	1	3	7	0	5	0	1	4

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	18.2%	Monday	1	9.1%	Midnight	1	9.1%	Passenger	16	72.7%
Rear End	5	45.5%	Wednesday	4	36.4%	06 AM	1	9.1%	SUV	6	27.3%
Turning	4	36.4%	Friday	3	27.3%	07 AM	2	18.2%	TOTAL:	22	
TOTAL:	11		Sunday	3	27.3%	08 AM	1	9.1%			
			TOTAL:	11		09 AM	1	9.1%			
						11 AM	1	9.1%			
						Noon	1	9.1%			
						3 PM	1	9.1%			
						4 PM	1	9.1%			
						7 PM	1	9.1%			
						TOTAL:	11				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	81.8%	Darkness/ Lighted Road	2	18.2%	Dry	6	54.5%	North	8	36.4%
Rain	1	9.1%	Daylight	9	81.8%	Ice	1	9.1%	South	7	31.8%
Snow	1	9.1%	TOTAL:	11		Snow or Slush	1	9.1%	West	7	31.8%
TOTAL:	11					Wet	3	27.3%	TOTAL:	22	
						TOTAL:	11				



Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2958622.13389814 : YCoordinate 1855118.95895374 | 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>19</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>5</u>	<u>10</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>8</u>	<u>12</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	8	42.1%	Monday	3	15.8%	05 AM	1	5.3%	Passenger	27	67.5%
Sideswipe Same Direction	2	10.5%	Tuesday	3	15.8%	06 AM	1	5.3%	SUV	9	22.5%
Turning	9	47.4%	Wednesday	2	10.5%	07 AM	1	5.3%	Tractor With Semi-Trailer	1	2.5%
TOTAL:	19		Thursday	2	10.5%	09 AM	1	5.3%	Unknown	2	5.0%
			Friday	2	10.5%	11 AM	1	5.3%	Van/Mini-Van	1	2.5%
			Saturday	2	10.5%	Noon	1	5.3%	TOTAL:	40	
			Sunday	5	26.3%	1 PM	2	10.5%			
			TOTAL:	19		2 PM	1	5.3%			
					3 PM	2	10.5%				
					4 PM	2	10.5%				
					5 PM	1	5.3%				
					7 PM	1	5.3%				
					8 PM	2	10.5%				
					10 PM	1	5.3%				
					11 PM	1	5.3%				
					TOTAL:	19					
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	16	84.2%	Darkness, Lighted Road	6	31.6%	Dry	16	84.2%	East	9	22.5%



Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2958620.914084 : YCoordinate 1855098.55497 | 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>0</u>	<u>2</u>	<u>2</u>	<u>16</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>3</u>	<u>4</u>

<i>Type of Crash</i>	<i>Total</i>	<i>%</i>	<i>Day of Wk</i>	<i>Total</i>	<i>%</i>	<i>Hour of Day</i>	<i>Total</i>	<i>%</i>	<i>Vehicle Type</i>	<i>Total</i>	<i>%</i>
Angle	1	5.0%	Monday	5	25.0%	Midnight	1	5.0%	Passenger	29	70.7%
Fixed Object	2	10.0%	Tuesday	3	15.0%	06 AM	1	5.0%	Pickup	2	4.9%
Rear End	9	45.0%	Wednesday	1	5.0%	08 AM	1	5.0%	SUV	6	14.6%
Turning	8	40.0%	Thursday	2	10.0%	09 AM	1	5.0%	Tractor With Semi-Trailer	1	2.4%
TOTAL:	20		Friday	6	30.0%	11 AM	1	5.0%	Unknown	2	4.9%
			Saturday	1	5.0%	Noon	2	10.0%	Van/Mini-Van	1	2.4%
			Sunday	2	10.0%	1 PM	1	5.0%	TOTAL:	41	
			TOTAL:	20		2 PM	1	5.0%			
						3 PM	4	20.0%			
						4 PM	2	10.0%			
						6 PM	1	5.0%			
						7 PM	2	10.0%			
						8 PM	1	5.0%			
						10 PM	1	5.0%			
						TOTAL:	20				
<i>Weather Cond</i>	<i>Total</i>	<i>%</i>	<i>Light Cond</i>	<i>Total</i>	<i>%</i>	<i>Road Surface</i>	<i>Total</i>	<i>%</i>	<i>DIRP</i>	<i>Total</i>	<i>%</i>
Clear	14	70.0%	Darkness, Lighted Road	7	35.0%	Dry	13	65.0%	East	14	34.1%
Cloudy/Overcast	2	10.0%				Snow or Slush	1	5.0%	North	10	24.4%



Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2958620.914084 : YCoordinate 1855098.55497 | 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>15</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>7</u>	<u>8</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>11</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	13.3%	Monday	3	20.0%	02 AM	1	6.7%	Passenger	16	53.3%
Rear End	7	46.7%	Tuesday	1	6.7%	06 AM	1	6.7%	Pickup	2	6.7%
Sideswipe Same Direction	1	6.7%	Wednesday	2	13.3%	11 AM	5	33.3%	SUV	9	30.0%
Turning	5	33.3%	Thursday	2	13.3%	1 PM	1	6.7%	Tractor Without Semi-Trailer	1	3.3%
TOTAL:	15		Friday	3	20.0%	2 PM	1	6.7%	Unknown	2	6.7%
			Saturday	3	20.0%	4 PM	3	20.0%	TOTAL:	30	
			Sunday	1	6.7%	5 PM	2	13.3%			
			TOTAL:	15		6 PM	1	6.7%			
					TOTAL:	15					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	11	73.3%	Darkness, Lighted Road	3	20.0%	Dry	12	80.0%	East	10	33.3%
Cloudy/Overcast	2	13.3%	Daylight	12	80.0%	Wet	3	20.0%	North	8	26.7%
Rain	1	6.7%	TOTAL:	15		TOTAL:	15		South	8	26.7%
Snow	1	6.7%							Southwest	1	3.3%
TOTAL:	15								West	3	10.0%
									TOTAL:	30	



Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2958620.914084 : YCoordinate 1855098.55497 | 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>22</u>	<u>0</u>	<u>0</u>	<u>5</u>	<u>5</u>	<u>12</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>8</u>	<u>7</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	7	31.8%	Monday	4	18.2%	03 AM	1	4.5%	Passenger	30	63.8%
Sideswipe Same Direction	2	9.1%	Tuesday	2	9.1%	05 AM	1	4.5%	Pickup	6	12.8%
Turning	13	59.1%	Wednesday	4	18.2%	08 AM	1	4.5%	SUV	5	10.6%
TOTAL:	22		Thursday	3	13.6%	09 AM	1	4.5%	Tractor With Semi-Trailer	1	2.1%
			Friday	4	18.2%	10 AM	2	9.1%	Truck Single Unit	2	4.3%
			Saturday	3	13.6%	11 AM	2	9.1%	Unknown	2	4.3%
			Sunday	2	9.1%	Noon	2	9.1%	Van/Mini-Van	1	2.1%
			TOTAL:	22		1 PM	1	4.5%	TOTAL:	47	
						5 PM	4	18.2%			
						6 PM	1	4.5%			
						7 PM	1	4.5%			
						8 PM	1	4.5%			
						9 PM	2	9.1%			
						10 PM	2	9.1%			
						TOTAL:	22				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	20	90.9%	Darkness	1	4.5%	Dry	19	86.4%	East	12	25.5%
Cloudy/Overcast	1	4.5%	Darkness, Lighted Road	8	36.4%				North	12	25.5%



Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2958623.648 : YCoordinate 1855121.775 | Foot Tolerance : 50 | 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>2</u>	<u>3</u>	<u>4</u>	<u>11</u>	<u>0</u>	<u>11</u>	<u>2</u>	<u>4</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	10.0%	Monday	3	15.0%	05 AM	1	5.0%	Motorcycle	2	4.9%
Front to Front	2	10.0%	Tuesday	4	20.0%	07 AM	1	5.0%	Passenger	29	70.7%
Front to Rear	7	35.0%	Wednesday	4	20.0%	08 AM	3	15.0%	Pickup	1	2.4%
Turning	9	45.0%	Thursday	2	10.0%	09 AM	1	5.0%	SUV	5	12.2%
TOTAL:	20		Friday	3	15.0%	11 AM	1	5.0%	Tractor With Semi-Trailer	2	4.9%
			Saturday	2	10.0%	1 PM	1	5.0%	Unknown	1	2.4%
			Sunday	2	10.0%	2 PM	1	5.0%	Van/Mini-Van	1	2.4%
			TOTAL:	20		3 PM	1	5.0%	TOTAL:	41	
					4 PM	1	5.0%				
					6 PM	4	20.0%				
					7 PM	1	5.0%				
					8 PM	2	10.0%				
					10 PM	1	5.0%				
					11 PM	1	5.0%				
					TOTAL:	20					
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	13	65.0%	Darkness	1	5.0%	Dry	12	60.0%	East	9	22.0%
Cloudy/Overcast	2	10.0%	Darkness, Lighted Road	8	40.0%	Snow or Slush	1	5.0%	North	17	41.5%



Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2958623.648 : YCoordinate 1855121.775 | Foot Tolerance : 50 | 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>4</u>	<u>5</u>	<u>7</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>4</u>	<u>11</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	12.5%	Monday	1	6.3%	02 AM	1	6.3%	Passenger	19	59.4%
Fixed Object	1	6.3%	Tuesday	1	6.3%	08 AM	2	12.5%	Pickup	1	3.1%
Front to Rear	4	25.0%	Wednesday	3	18.8%	09 AM	1	6.3%	SUV	7	21.9%
Sideswipe Same Direction	1	6.3%	Thursday	2	12.5%	11 AM	1	6.3%	Tractor With Semi-Trailer	3	9.4%
Turning	8	50.0%	Friday	5	31.3%	Noon	1	6.3%	Unknown	2	6.3%
TOTAL:	16		Saturday	2	12.5%	2 PM	1	6.3%	TOTAL:	32	
			Sunday	2	12.5%	3 PM	1	6.3%			
			TOTAL:	16		4 PM	2	12.5%			
					5 PM	1	6.3%				
					7 PM	1	6.3%				
					8 PM	1	6.3%				
					9 PM	1	6.3%				
					11 PM	2	12.5%				
					TOTAL:	16					
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	13	81.3%	Darkness, Lighted Road	7	43.8%	Dry	14	87.5%	East	5	15.6%
Cloudy/Overcast	1	6.3%	Daylight	9	56.3%	Wet	2	12.5%	North	13	40.6%
			TOTAL:	16		TOTAL:	16		Northeast	1	3.1%



Coordinate Collision Diagram Report

1/1/2021 to 12/31/2021

For XCoordinate 2958623.648 : YCoordinate 1855122.603 | 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>18</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>5</u>	<u>11</u>	<u>0</u>	<u>15</u>	<u>2</u>	<u>1</u>	<u>12</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	16.7%	Monday	2	11.1%	Midnight	1	5.6%	Passenger	27	69.2%
Front to Rear	3	16.7%	Tuesday	2	11.1%	05 AM	1	5.6%	Pickup	3	7.7%
Rear to Front	1	5.6%	Wednesday	4	22.2%	06 AM	1	5.6%	Single Unit Truck with Trailer	1	2.6%
Sideswipe Opposite Direction	1	5.6%	Thursday	1	5.6%	08 AM	2	11.1%	SUV	6	15.4%
Turning	10	55.6%	Friday	5	27.8%	1 PM	1	5.6%	Unknown	1	2.6%
TOTAL:	18		Saturday	3	16.7%	2 PM	1	5.6%	Van/Mini-Van	1	2.6%
			Sunday	1	5.6%	3 PM	2	11.1%	TOTAL:	39	
			TOTAL:	18		6 PM	3	16.7%			
					7 PM	1	5.6%				
					8 PM	1	5.6%				
					9 PM	3	16.7%				
					10 PM	1	5.6%				
					TOTAL:	18					

<i>Weather Cond</i>	<i>Total</i>	<i>%</i>	<i>Light Cond</i>	<i>Total</i>	<i>%</i>	<i>Road Surface</i>	<i>Total</i>	<i>%</i>	<i>DIRP</i>	<i>Total</i>	<i>%</i>
Clear	16	88.9%	Darkness, Lighted Road	6	33.3%	Dry	15	83.3%	East	6	15.4%
Cloudy/Overcast	1	5.6%	Dawn	1	5.6%	Wet	3	16.7%	North	15	38.5%
Rain	1	5.6%	Daylight	9	50.0%	TOTAL:	18		Northwest	2	5.1%
TOTAL:	18								South	8	20.5%



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **87th St and Cicero Ave** over a span of 12 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 2010-2013 shows the period prior to the installation of the RLR camera.

The data from 2014 shows the year in which the camera was installed.

The data from 2015-2021 shows the period following the installation.

	Direction Year	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
Before Installation	2010	26,500	20,000	47,900	47,000	141,400	135,725
	2011	26,500	20,000	43,500	42,900	132,900	
	2012	26,500	20,000	43,500	42,900	132,900	
	2013	26,500	20,000	43,100	46,100	135,700	
	2014	21,800	18,900	43,100	46,100	129,900	
After Installation	2015	21,800	18,900	37,500	36,600	114,800	124,786
	2016	21,800	18,900	37,500	36,600	114,800	
	2017	21,800	18,900	41,200	44,600	126,500	
	2018	25,100	20,300	41,200	44,600	131,200	
	2019	25,100	20,300	43,400	43,100	131,900	
	2020	25,100	20,500	43,400	43,100	132,100	
	2021	20,300	20,500	39,000	42,400	122,200	

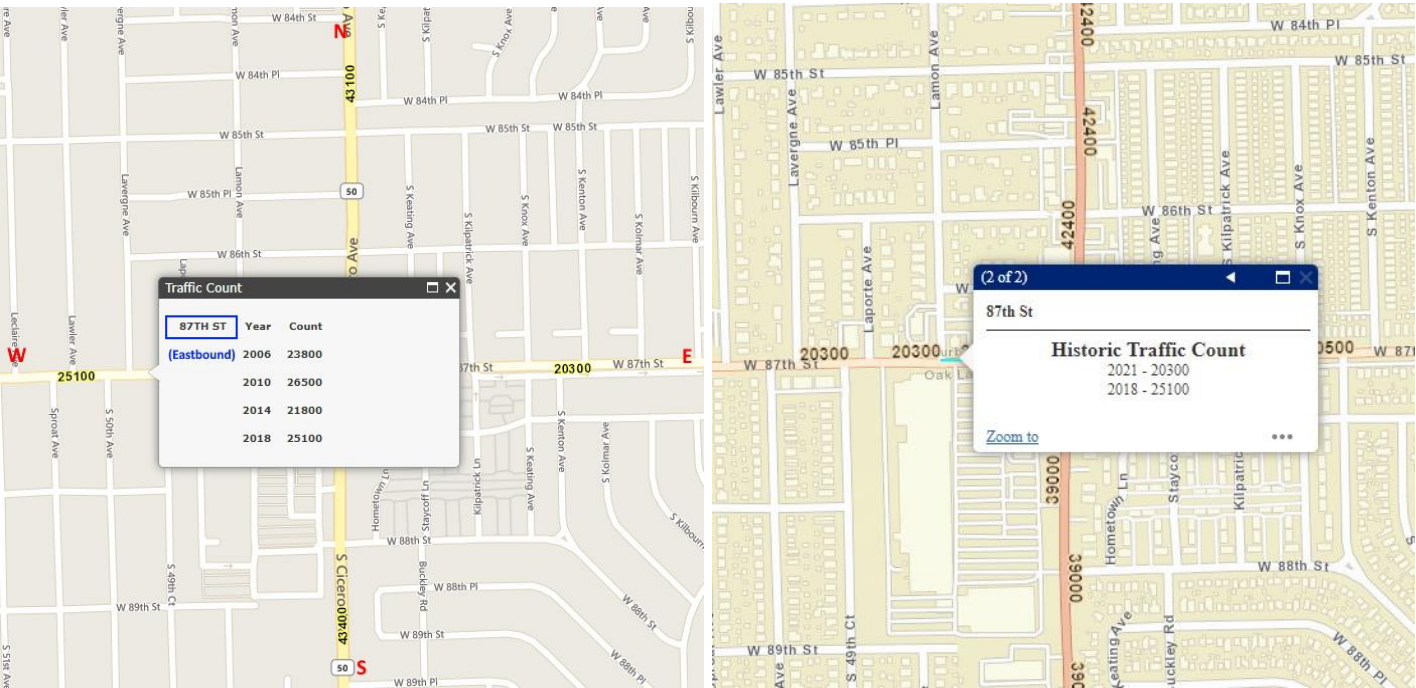
From 2010-2013, prior to RLR camera installation, the combined average of ADTC was 135,725.

From 2015-2021, post RLR camera installation, the combined average of ADTC was 124,786 – a reduction of 8.06%.

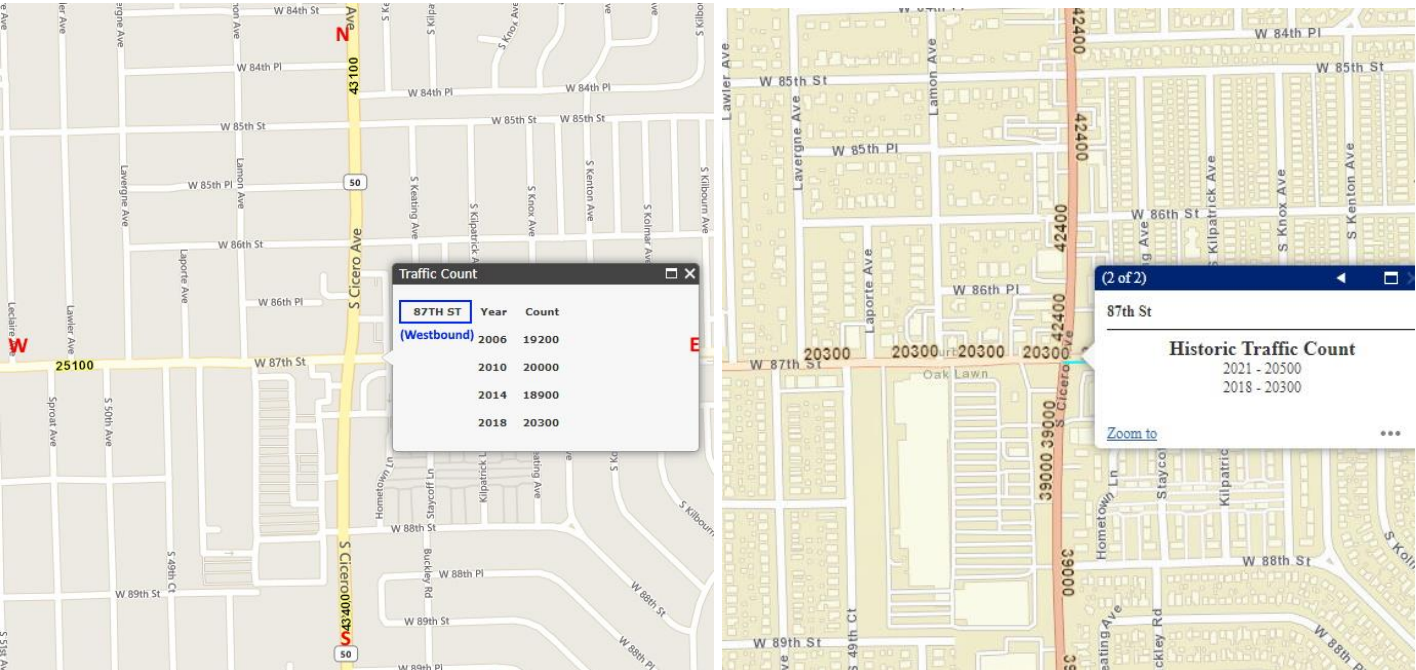
The following pages show the complete ADTC data from 2010-2021 obtained from the IDOT's website.

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.

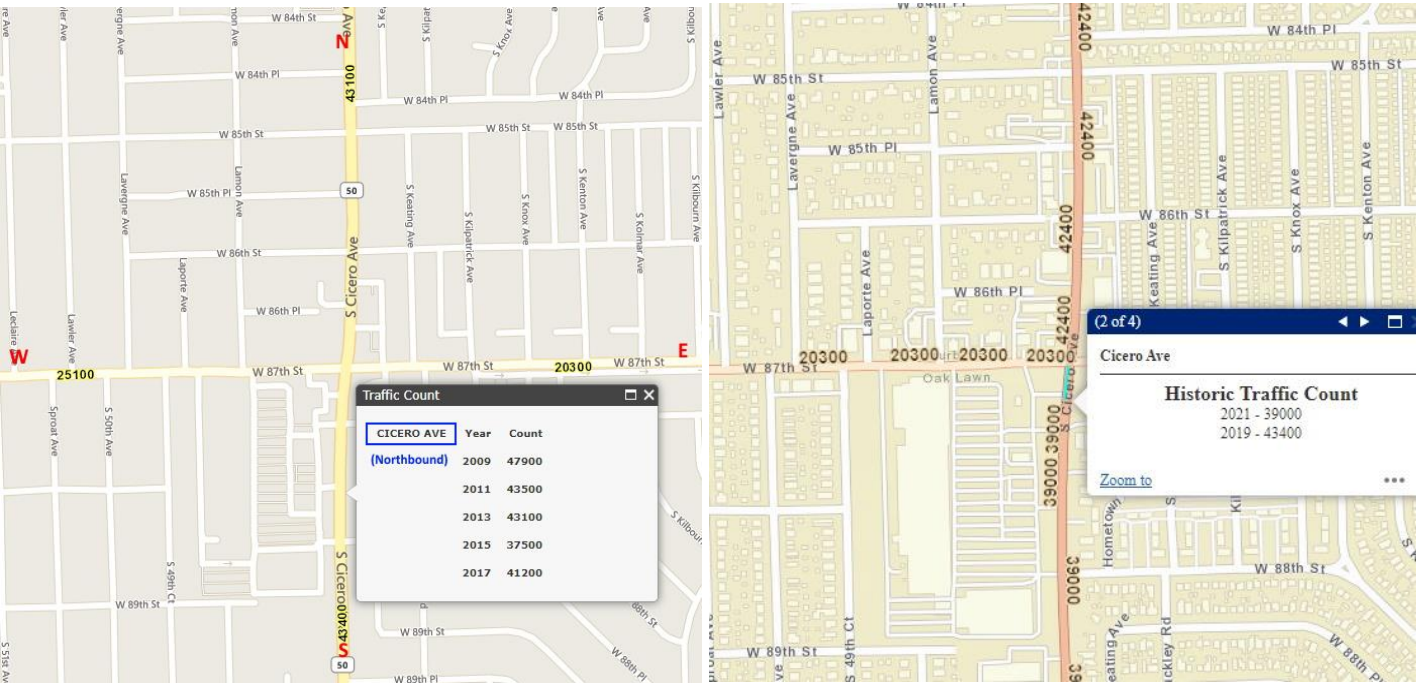
Eastbound ADTC



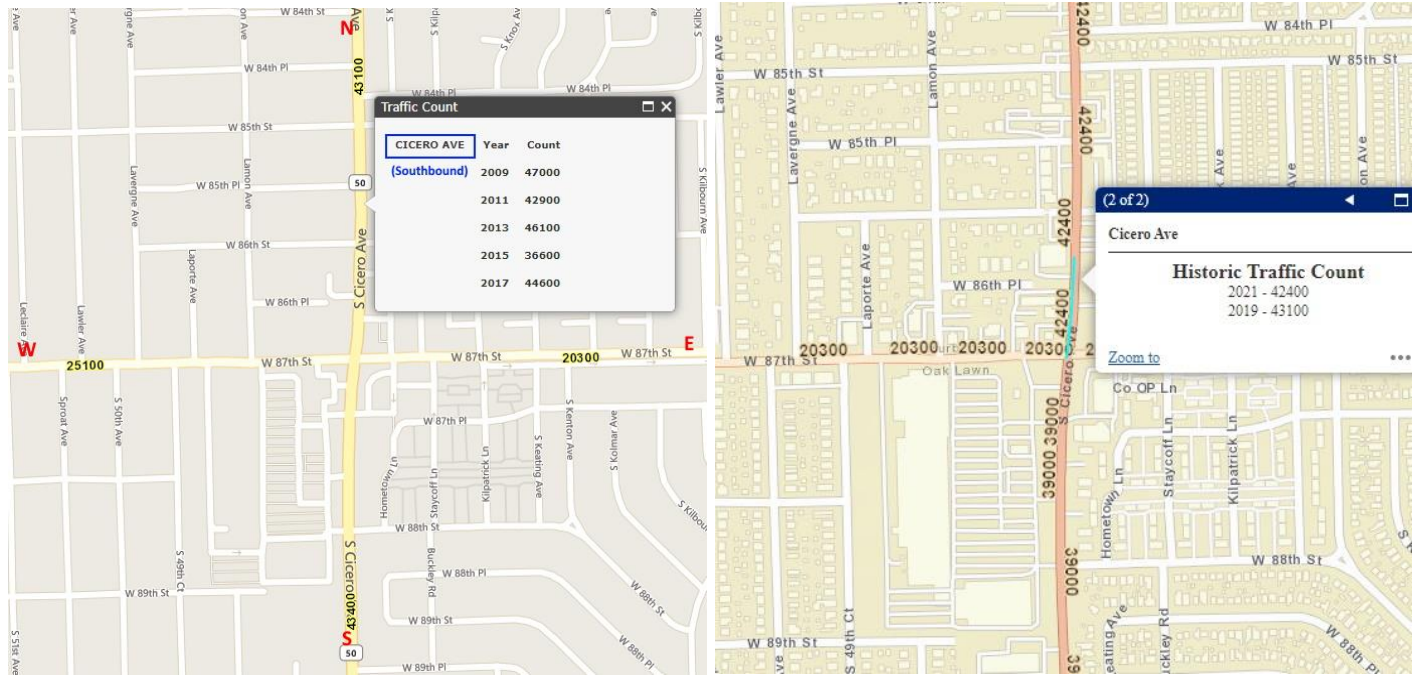
Westbound ADTC



Northbound ADTC



Southbound ADTC





4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Northbound** approach of **87th St and Cicero Ave** from 2019 to 2021.

	2019	2020	2021
In Person	153	165	108
By Mail	171	112	154



5. Report Summary and Recommendation

The **City of Hometown** uses state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **City of Hometown** 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 2010-2013, prior to RLR camera installation, the combined average of ADTC was 135,725. From 2015-2021, post RLR camera installation, the combined average of ADTC was 124,786 – a reduction of 8.06%. (See tab 3)

From 2010-2013, prior to RLR camera installation, there were 99 total crashes; this averages out to 24.75 crashes a year. From 2015-2021, post RLR camera installation, there were 130 total crashes; this averages out to 18.57 crashes per year - a 24.96% 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 24.96% with a reduction of 8.06% 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 **87th St and Cicero Ave** in the **City of Hometown** 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.