



79th St and Harlem Ave

<Westbound and Northbound>



Burbank, IL

RLR Follow-Up

Evaluation Report

(Amendatory Act of the 103rd General Assembly)

Reference No: 016-60866

January 2024



Dan M.Foy
Mayor

Barry Szymczak
City Clerk

Dave Viverito
City Treasurer

CITY of BURBANK
6530 West 79th Street
Burbank, IL 60459-1198
P: (708) 599-5500
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ALDERMEN

1st Ward: Barbara Gagle
2nd Ward: Robert Contreras
3rd Ward: Sheri Gustafson
4th Ward: Claude Haerr
5th Ward: John Pacella, Jr.
6th Ward: Mitchell Piznarski
7th Ward: Thomas Phillips

February 8, 2024

Jonathan E. Karabowicz, P.E.
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
79th Street and Harlem Avenue
City of Burbank
Reference No: 016-60866

Dear Mr. Karabowicz:

Please find enclosed a copy of the 1 Year RLR Follow-Up Evaluation Report for the intersection of 79th Street and Harlem Avenue, Burbank, Illinois.

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

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 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) 924-7300, wcasey@burbankil.gov.

Best Regards,

On behalf of the City of Burbank
William Casey
Deputy Chief of Police

CITY of BURBANK
Dan M. Foy
Mayor

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.

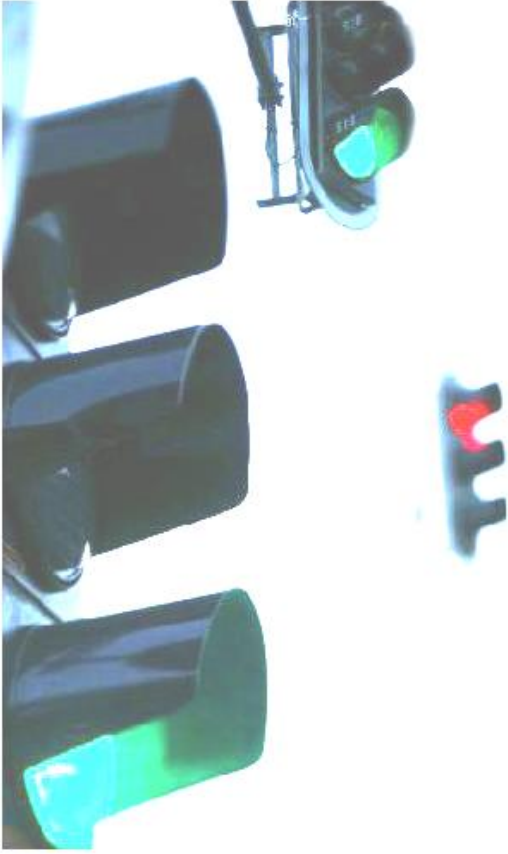
In 2016, the **City of Burbank** received approval from the Illinois Department of Transportation (IDOT) to install Red Light Running (RLR) cameras on the **Westbound and Northbound** approaches at the intersection of **79th St and Harlem Ave.**

- Date on which the cameras went live on the Westbound and Northbound approaches: **06/2017**
- Date on which the 1 Year Follow-Up Evaluation Report was submitted to the IDOT: **06/2020**
- Date on which the 3 Year Follow-Up Evaluation Report was submitted to the IDOT: **06/2022**

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: 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 **79th St and Harlem Ave** over a span of 9 years*.

	Angle	Head On	Overturned	Turning	Rear End	Pedestrian/ Pedalcyclist	Sideswipe	Fixed Object	Other Non-Collision	Total
2014	0	0	0	10	13	0	2	1	0	26
2015	1	0	0	6	8	1	1	1	0	18
2016	0	1	1	4	16	2	5	1	0	30
2017	1	0	0	0	15	1	0	1	0	18
2018	0	0	0	4	10	0	4	0	0	18
2019	0	0	0	5	14	0	3	1	0	23
2020	2	0	0	4	5	1	1	1	0	14
2021	1	0	0	2	6	1	1	0	0	11
2022	3	0	0	7	4	1	1	1	1	18

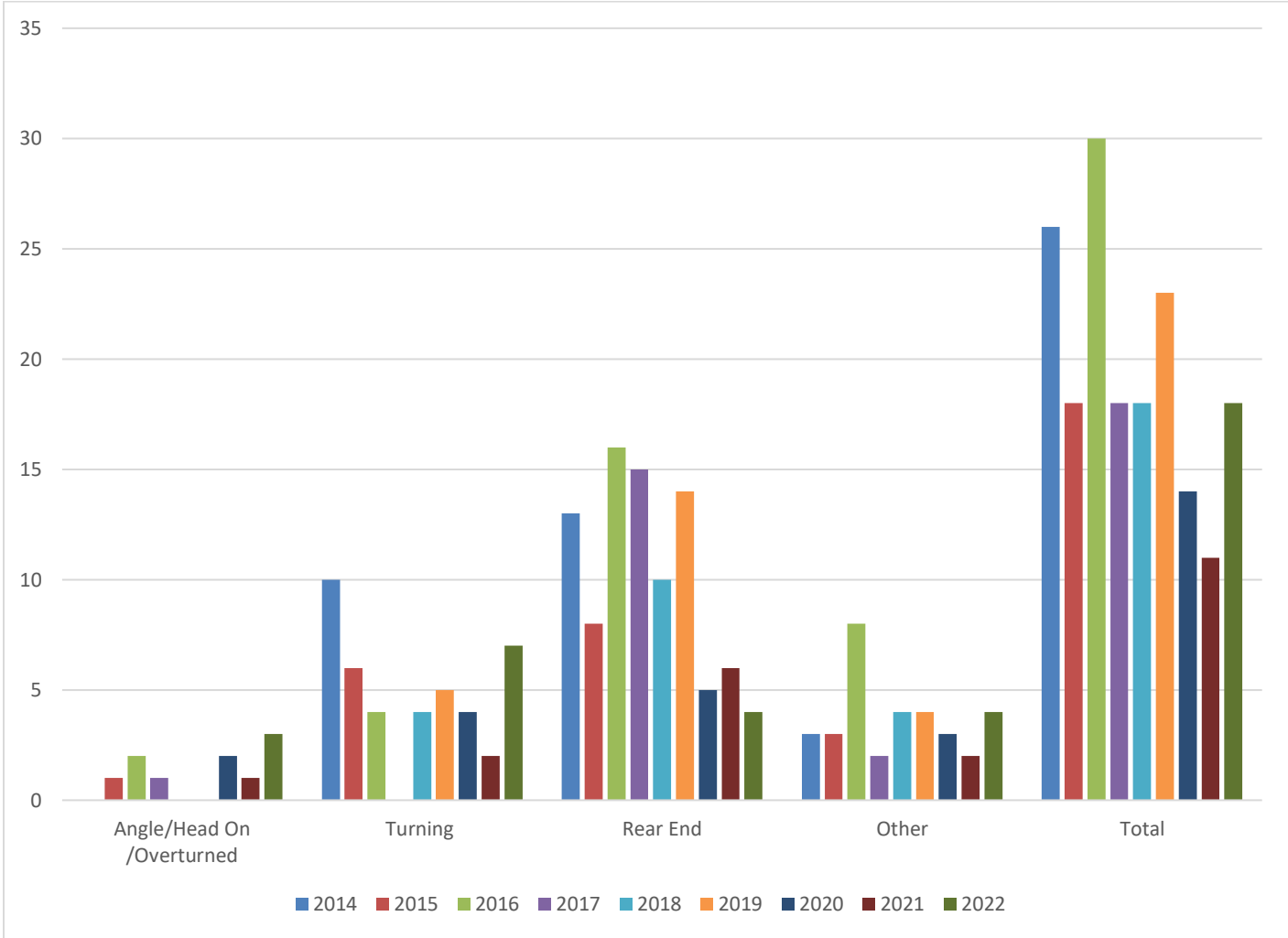
The data from 2014-2016 shows the period prior to the installation of the RLR cameras.

The data from 2017 shows the year in which the cameras were installed.

The data from 2018-2022 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 2014-2022.



	Year \ Type	Angle/ Head On/ Overturned	Turning	Rear End	Other*	Total	Yearly Average
Before Installation	2014	0	10	13	3	26	24.67
	2015	1	6	8	3	18	
	2016	2	4	16	8	30	
	2017	1	0	15	2	18	
After Installation	2018	0	4	10	4	18	16.8
	2019	0	5	14	4	23	
	2020	2	4	5	3	14	
	2021	1	2	6	2	11	
	2022	3	7	4	4	18	

* Other crashes include: Pedestrian/Pedalcyclist, Sideswipe, Other Non-Collision and Fixed Object.

From 2014-2016, prior to RLR camera installation, there were 74 total crashes; this averages out to 24.67 crashes a year.

From 2018-2022, post RLR camera installation, there were 84 total crashes; this averages out to 16.8 crashes per year - a 31.89% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2014-2022. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.

Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 16.77 to 16.77 | 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>26</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>4</u>	<u>20</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>6</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	3.8%	Monday	5	19.2%	Midnight	1	3.8%	Passenger	35	62.5%
Rear End	13	50.0%	Tuesday	5	19.2%	02 AM	1	3.8%	Pickup	2	3.6%
Sideswipe Opposite Direction	1	3.8%	Wednesday	4	15.4%	03 AM	1	3.8%	SUV	6	10.7%
Sideswipe Same Direction	1	3.8%	Thursday	5	19.2%	04 AM	1	3.8%	Tractor With Semi-Trailer	3	5.4%
Turning	10	38.5%	Friday	1	3.8%	05 AM	2	7.7%	Tractor Without Semi-Trailer	1	1.8%
TOTAL:	26		Saturday	4	15.4%	06 AM	2	7.7%	Truck Single Unit	3	5.4%
			Sunday	2	7.7%	07 AM	1	3.8%	Unknown	4	7.1%
			TOTAL:	26		09 AM	1	3.8%	Van/Mini-Van	2	3.6%
						11 AM	1	3.8%	TOTAL:	56	
						Noon	3	11.5%			
						2 PM	1	3.8%			
						4 PM	2	7.7%			
						5 PM	1	3.8%			
						6 PM	1	3.8%			
						8 PM	1	3.8%			
						9 PM	1	3.8%			
						10 PM	4	15.4%			
						11 PM	1	3.8%			
						TOTAL:	26				

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2942470.19631758 : YCoordinate 1859632.61357525 | 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>0</u>	<u>2</u>	<u>1</u>	<u>15</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>3</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	5.6%	Monday	1	5.6%	05 AM	1	5.6%	Passenger	20	58.8%
Fixed Object	1	5.6%	Wednesday	3	16.7%	09 AM	6	33.3%	Pickup	1	2.9%
Pedalcyclist	1	5.6%	Thursday	5	27.8%	10 AM	1	5.6%	SUV	7	20.6%
Rear End	8	44.4%	Friday	2	11.1%	11 AM	1	5.6%	Tractor With Semi-Trailer	5	14.7%
Sideswipe Same Direction	1	5.6%	Saturday	5	27.8%	Noon	1	5.6%	Unknown	1	2.9%
Turning	6	33.3%	Sunday	2	11.1%	1 PM	1	5.6%	TOTAL:	34	
TOTAL:	18		TOTAL:	18		2 PM	2	11.1%			
						3 PM	1	5.6%			
						5 PM	1	5.6%			
						8 PM	1	5.6%			
						10 PM	1	5.6%			
						11 PM	1	5.6%			
						TOTAL:	18				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	12	66.7%	Darkness, Lighted Road	4	22.2%	Dry	13	72.2%	East	7	20.6%
Cloudy/Overcast	2	11.1%	Daylight	14	77.8%	Wet	5	27.8%	North	10	29.4%
Rain	4	22.2%	TOTAL:	18		TOTAL:	18		South	5	14.7%
TOTAL:	18								Southeast	2	5.9%

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2942470.19631758 : YCoordinate 1859632.61357525 | 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>30</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>4</u>	<u>22</u>	<u>0</u>	<u>9</u>	<u>0</u>	<u>4</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	3.3%	Monday	5	16.7%	Midnight	2	6.7%	Bus Over 15 Passengers	1	1.7%
Head On	1	3.3%	Tuesday	1	3.3%	01 AM	1	3.3%	Passenger	31	51.7%
Overtaken	1	3.3%	Wednesday	5	16.7%	02 AM	1	3.3%	Pickup	1	1.7%
Pedestrian	2	6.7%	Thursday	5	16.7%	04 AM	1	3.3%	SUV	11	18.3%
Rear End	16	53.3%	Friday	3	10.0%	07 AM	3	10.0%	Tractor With Semi-Trailer	6	10.0%
Sideswipe Same Direction	5	16.7%	Saturday	7	23.3%	08 AM	4	13.3%	Truck Single Unit	1	1.7%
Turning	4	13.3%	Sunday	4	13.3%	09 AM	1	3.3%	Unknown	5	8.3%
TOTAL:	30		TOTAL:	30		10 AM	2	6.7%	Van/Mini-Van	4	6.7%
						11 AM	1	3.3%	TOTAL:	60	
						Noon	1	3.3%			
						1 PM	3	10.0%			
						2 PM	1	3.3%			
						3 PM	2	6.7%			
						4 PM	1	3.3%			
						5 PM	3	10.0%			
						6 PM	1	3.3%			
						7 PM	1	3.3%			
						10 PM	1	3.3%			
						TOTAL:	30				

Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2942470.19631758 : YCoordinate 1859632.61357525 | 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>0</u>	<u>1</u>	<u>4</u>	<u>13</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	%
Angle	1	5.6%	Monday	5	27.8%	01 AM	1	5.6%	Passenger	21	55.3%
Fixed Object	1	5.6%	Tuesday	1	5.6%	03 AM	1	5.6%	Pickup	3	7.9%
Pedestrian	1	5.6%	Wednesday	4	22.2%	07 AM	2	11.1%	SUV	6	15.8%
Rear End	15	83.3%	Thursday	2	11.1%	08 AM	1	5.6%	Tractor With Semi-Trailer	1	2.6%
TOTAL:	18		Saturday	2	11.1%	10 AM	2	11.1%	Truck Single Unit	1	2.6%
			Sunday	4	22.2%	Noon	1	5.6%	Unknown	1	2.6%
			TOTAL:	18		2 PM	1	5.6%	Van/Mini-Van	5	13.2%
						4 PM	1	5.6%	TOTAL:	38	
						5 PM	1	5.6%			
						6 PM	3	16.7%			
						7 PM	2	11.1%			
						11 PM	2	11.1%			
						TOTAL:	18				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	11	61.1%	Darkness, Lighted Road	8	44.4%	Dry	12	66.7%	East	14	36.8%
Cloudy/Overcast	4	22.2%	Daylight	10	55.6%	Snow or Slush	1	5.6%	North	5	13.2%
Rain	2	11.1%	TOTAL:	18		Wet	5	27.8%	South	11	28.9%
						TOTAL:	18				

Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2942470.19631758 : YCoordinate 1859632.61357525 | 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>0</u>	<u>1</u>	<u>1</u>	<u>16</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>1</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	10	55.6%	Monday	5	27.8%	01 AM	1	5.6%	Passenger	17	44.7%
Sideswipe Same Direction	4	22.2%	Tuesday	4	22.2%	06 AM	2	11.1%	Pickup	2	5.3%
Turning	4	22.2%	Wednesday	3	16.7%	08 AM	1	5.6%	SUV	9	23.7%
TOTAL:	18		Thursday	2	11.1%	09 AM	3	16.7%	Tractor With Semi-Trailer	1	2.6%
			Friday	4	22.2%	10 AM	2	11.1%	Tractor Without Semi-Trailer	1	2.6%
			TOTAL:	18		Noon	1	5.6%	Truck Single Unit	2	5.3%
						2 PM	1	5.6%	Unknown	3	7.9%
						4 PM	1	5.6%	Van/Mini-Van	3	7.9%
						6 PM	1	5.6%	TOTAL:	38	
						7 PM	2	11.1%			
						9 PM	2	11.1%			
						11 PM	1	5.6%			
						TOTAL:	18				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	13	72.2%	Darkness	2	11.1%	Dry	13	72.2%	East	5	13.2%
Cloudy/Overcast	1	5.6%	Darkness, Lighted Road	5	27.8%	Unknown	1	5.6%	North	5	13.2%
Rain	3	16.7%	Daylight	11	61.1%	Wet	4	22.2%	Northeast	1	2.6%
			TOTAL:	18		TOTAL:	18		South	6	15.8%

Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2942462.989 : YCoordinate 1859632.261 | 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>23</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>21</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>3</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	4.3%	Monday	3	13.0%	01 AM	1	4.3%	Passenger	24	51.1%
Front to Rear	14	60.9%	Tuesday	3	13.0%	02 AM	1	4.3%	Pickup	4	8.5%
Sideswipe Same Direction	3	13.0%	Wednesday	2	8.7%	03 AM	2	8.7%	SUV	11	23.4%
Turning	5	21.7%	Thursday	5	21.7%	07 AM	2	8.7%	Tractor With Semi-Trailer	2	4.3%
TOTAL:	23		Friday	2	8.7%	08 AM	1	4.3%	Tractor Without Semi-Trailer	2	4.3%
			Saturday	3	13.0%	11 AM	1	4.3%	Truck Single Unit	1	2.1%
			Sunday	5	21.7%	Noon	1	4.3%	Unknown	1	2.1%
			TOTAL:	23		1 PM	1	4.3%	Van/Mini-Van	2	4.3%
						2 PM	1	4.3%	TOTAL:	47	
						3 PM	1	4.3%			
						4 PM	2	8.7%			
						6 PM	2	8.7%			
						7 PM	2	8.7%			
						8 PM	2	8.7%			
						10 PM	3	13.0%			
						TOTAL:	23				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	16	69.6%	Darkness, Lighted Road	11	47.8%	Dry	17	73.9%	East	13	27.7%

Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2942462.989 : YCoordinate 1859632.261 | 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>14</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>1</u>	<u>10</u>	<u>0</u>	<u>6</u>	<u>0</u>	<u>5</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	14.3%	Monday	1	7.1%	02 AM	1	7.1%	Passenger	17	60.7%
Fixed Object	1	7.1%	Tuesday	2	14.3%	09 AM	1	7.1%	SUV	7	25.0%
Front to Rear	5	35.7%	Wednesday	2	14.3%	Noon	1	7.1%	Tractor With Semi-Trailer	1	3.6%
Pedestrian	1	7.1%	Thursday	4	28.6%	1 PM	2	14.3%	Truck Single Unit	1	3.6%
Sideswipe Same Direction	1	7.1%	Friday	1	7.1%	3 PM	1	7.1%	Unknown	1	3.6%
Turning	4	28.6%	Saturday	1	7.1%	5 PM	2	14.3%	Van/Mini-Van	1	3.6%
TOTAL:	14		Sunday	3	21.4%	7 PM	1	7.1%	TOTAL:	28	
			TOTAL:	14		9 PM	1	7.1%			
						10 PM	1	7.1%			
						11 PM	3	21.4%			
						TOTAL:	14				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	11	78.6%	Darkness, Lighted Road	8	57.1%	Dry	11	78.6%	East	6	21.4%
Cloudy/Overcast	1	7.1%	Daylight	6	42.9%	Unknown	1	7.1%	North	3	10.7%
Rain	2	14.3%	TOTAL:	14		Wet	2	14.3%	Northwest	1	3.6%
TOTAL:	14					TOTAL:	14		South	13	46.4%
									Unknown	1	3.6%

Coordinate Collision Diagram Report

1/1/2021 to 12/31/2021

For XCoordinate 2942461.334 : YCoordinate 1859631.433 | 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>11</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>4</u>	<u>5</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>3</u>	<u>7</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	9.1%	Monday	1	9.1%	01 AM	1	9.1%	Passenger	9	39.1%
Front to Rear	6	54.5%	Tuesday	1	9.1%	06 AM	1	9.1%	SUV	7	30.4%
Pedalcyclist	1	9.1%	Wednesday	4	36.4%	09 AM	1	9.1%	Tractor With Semi-Trailer	2	8.7%
Sideswipe Same Direction	1	9.1%	Thursday	2	18.2%	10 AM	1	9.1%	Tractor Without Semi-Trailer	1	4.3%
Turning	2	18.2%	Friday	2	18.2%	11 AM	1	9.1%	Unknown	2	8.7%
TOTAL:	11		Sunday	1	9.1%	Noon	1	9.1%	Van/Mini-Van	2	8.7%
			TOTAL:	11		1 PM	3	27.3%	TOTAL:	23	
						8 PM	1	9.1%			
						10 PM	1	9.1%			
						TOTAL:	11				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	11	100.0%	Darkness, Lighted Road	3	27.3%	Dry	11	100.0%	East	1	4.3%
TOTAL:	11		Dawn	1	9.1%	TOTAL:	11		North	9	39.1%
			Daylight	7	63.6%				South	6	26.1%
			TOTAL:	11					Unknown	1	4.3%
									West	6	26.1%
									TOTAL:	23	

Coordinate Collision Diagram Report

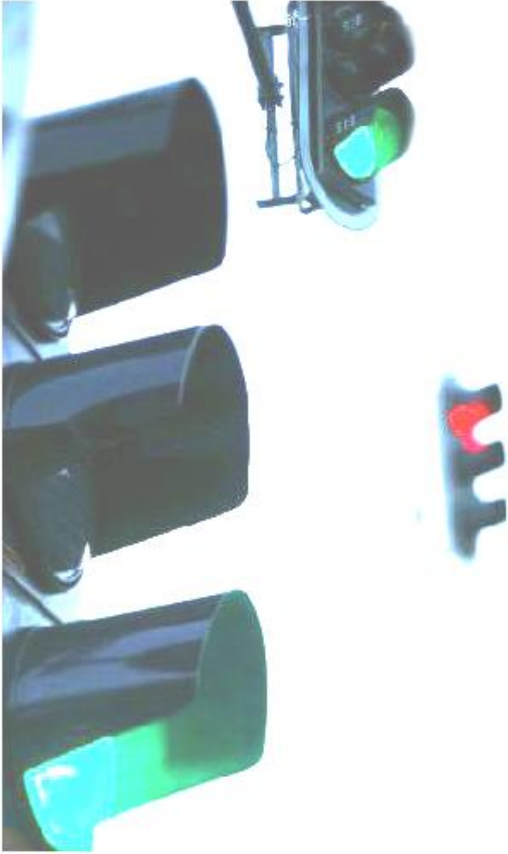
1/1/2022 to 12/31/2022

For XCoordinate 2942466.376 : YCoordinate 1859633.087 | 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>0</u>	<u>3</u>	<u>1</u>	<u>14</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>3</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	16.7%	Monday	1	5.6%	Midnight	1	5.6%	Motorcycle	1	2.9%
Fixed Object	1	5.6%	Tuesday	2	11.1%	01 AM	1	5.6%	Passenger	8	22.9%
Front to Rear	4	22.2%	Wednesday	3	16.7%	06 AM	1	5.6%	Pickup	3	8.6%
Other Non-Collision	1	5.6%	Thursday	4	22.2%	09 AM	1	5.6%	Single Unit Truck with Trailer	2	5.7%
Pedestrian	1	5.6%	Friday	3	16.7%	10 AM	1	5.6%	SUV	11	31.4%
Sideswipe Same Direction	1	5.6%	Sunday	5	27.8%	11 AM	2	11.1%	Tractor With Semi-Trailer	3	8.6%
Turning	7	38.9%	TOTAL:	18		Noon	1	5.6%	Tractor Without Semi-Trailer	1	2.9%
TOTAL:	18					1 PM	1	5.6%	Truck Single Unit	1	2.9%
						2 PM	4	22.2%	Unknown	5	14.3%
						5 PM	1	5.6%	TOTAL:	35	
						7 PM	1	5.6%			
						8 PM	1	5.6%			
						10 PM	1	5.6%			
						11 PM	1	5.6%			
						TOTAL:	18				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	11	61.1%	Darkness	1	5.6%	Dry	14	77.8%	East	7	20.0%
Cloudy/Overcast	2	11.1%	Darkness, Lighted Road	6	33.3%	Ice	1	5.6%	North	8	22.9%



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **79th St and Harlem Ave** over a span of 9 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 2014-2016 shows the period prior to the installation of the RLR cameras.

The data from 2017 shows the year in which the cameras were installed.

The data from 2018-2022 shows the period following the installation.

	Direction	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
	Year						
Before Installation	2014	23,800	30,500	42,700	42,700	139,700	127,033
	2015	23,800	30,500	33,200	33,200	120,700	
	2016	23,800	30,500	33,200	33,200	120,700	
	2017	23,800	30,500	39,500	39,600	133,400	
After Installation	2018	29,800	32,400	39,500	39,600	141,300	138,500
	2019	29,800	32,400	38,300	39,800	140,300	
	2020	29,800	32,400	38,300	39,800	140,300	
	2021	22,300	30,500	38,700	41,100	132,600	
	2022	27,700	30,500	38,700	41,100	138,000	

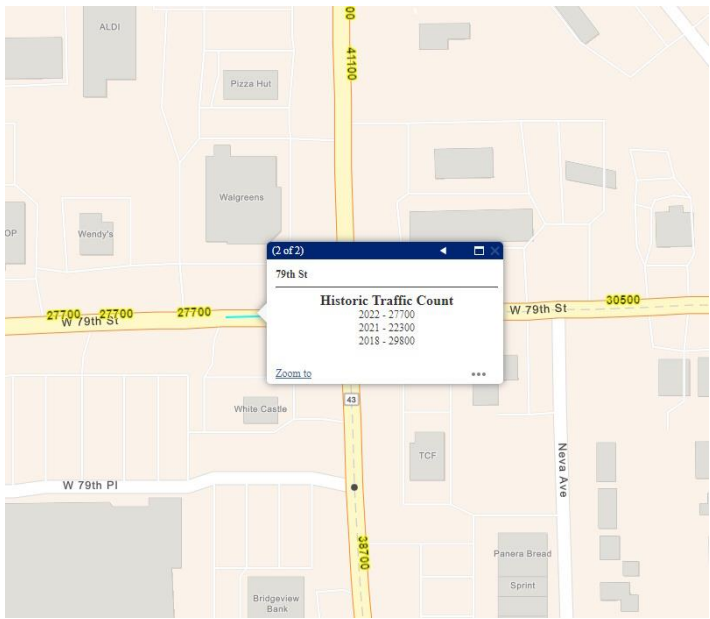
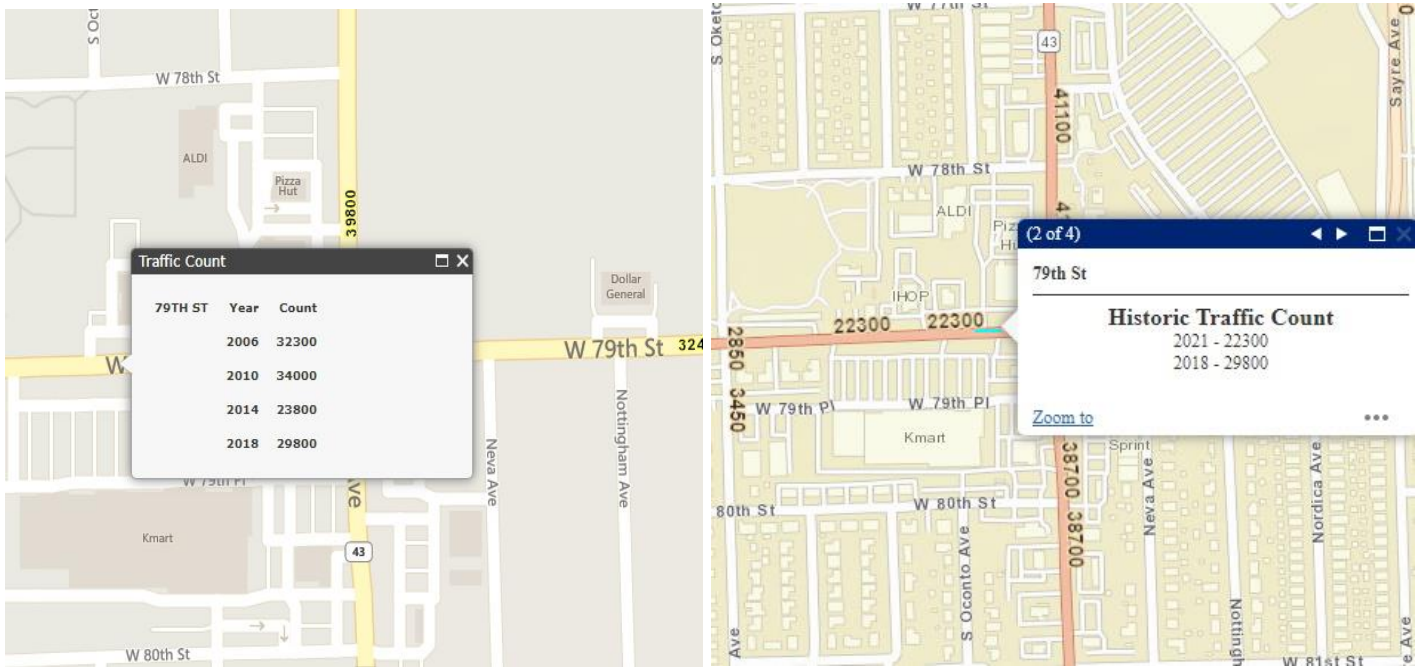
From 2014-2016, prior to RLR camera installation, the combined average of ADTC was 127,033.

From 2018-2022, post RLR camera installation, the combined average of ADTC was 138,500 – an increase of 9.03%.

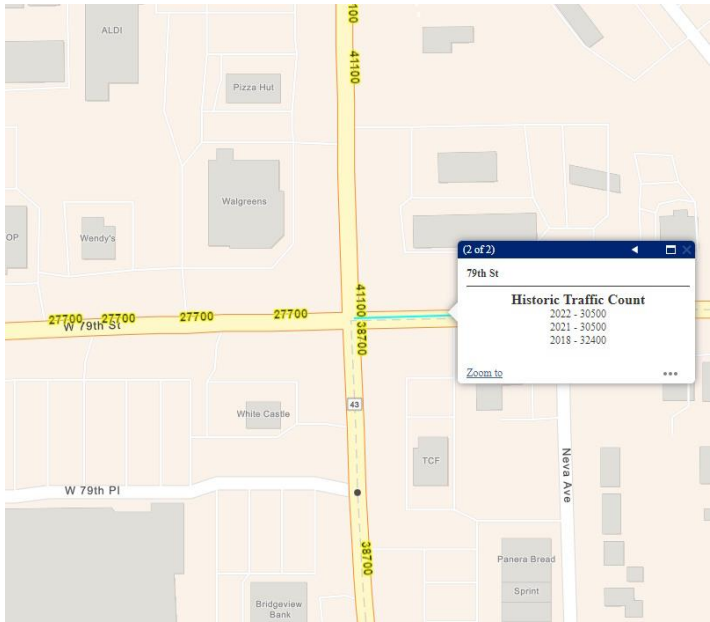
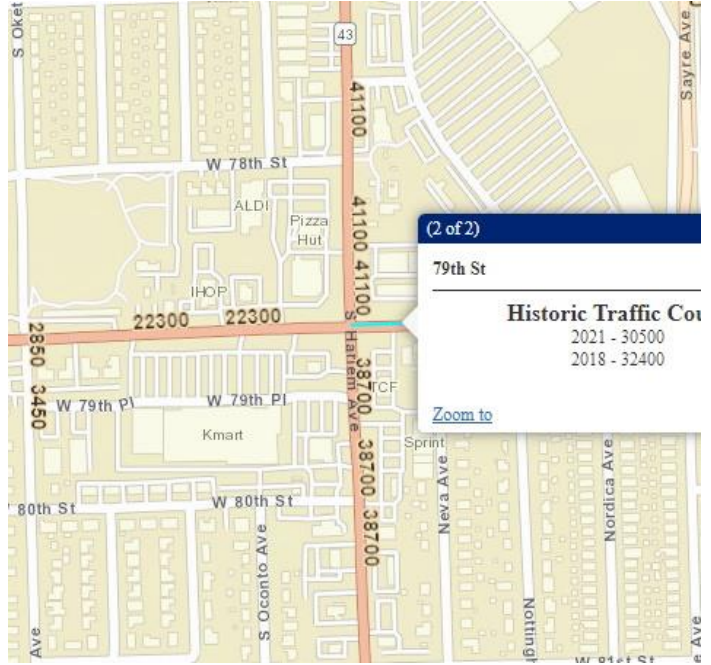
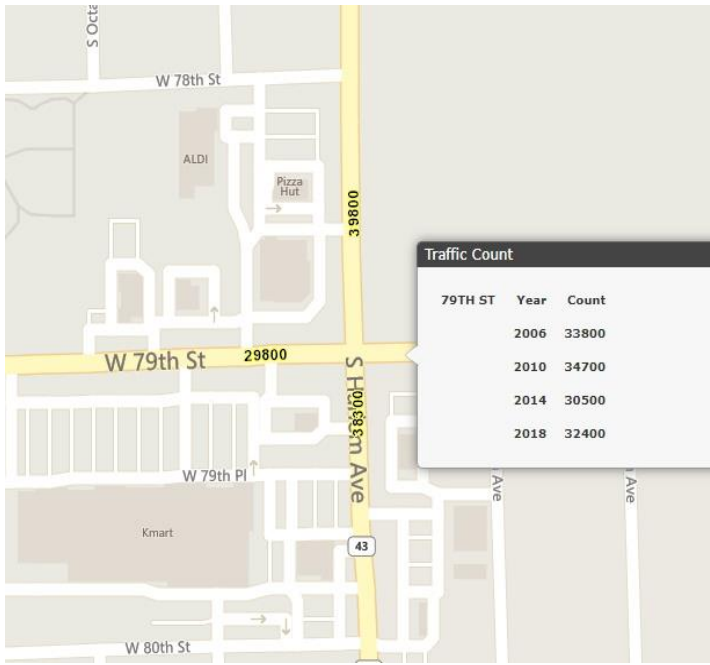
The following pages show the complete ADTC data from 2014-2022 obtained from the IDOT’s website.

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.

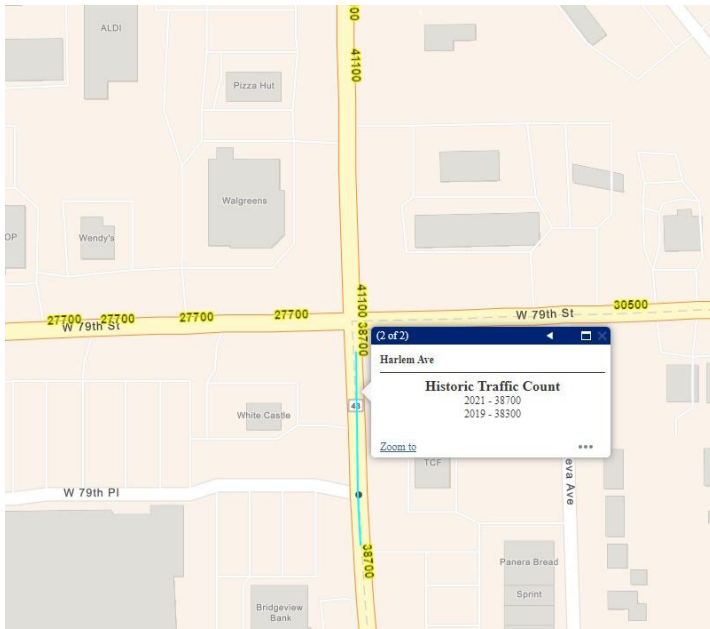
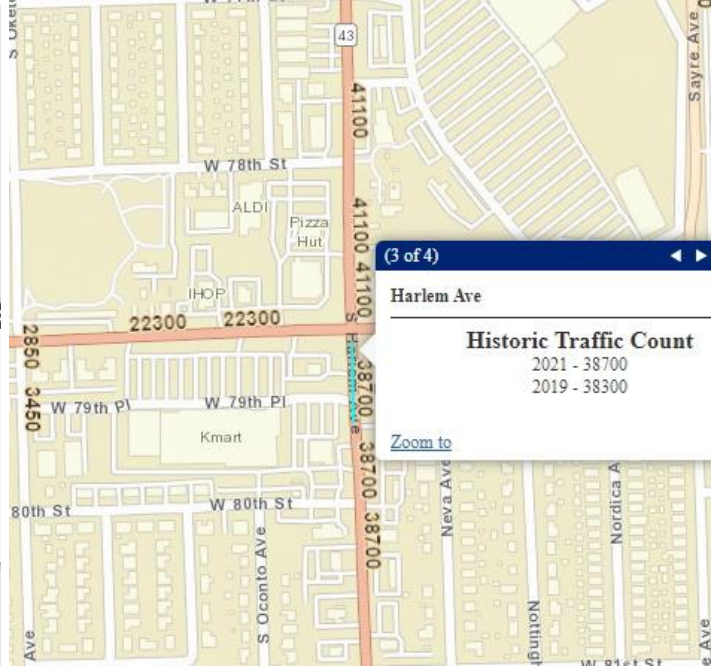
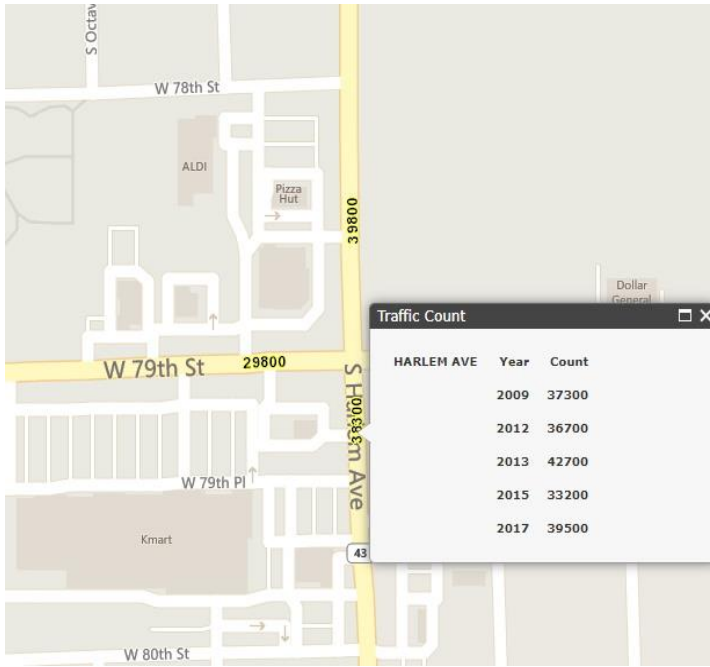
Eastbound ADTC



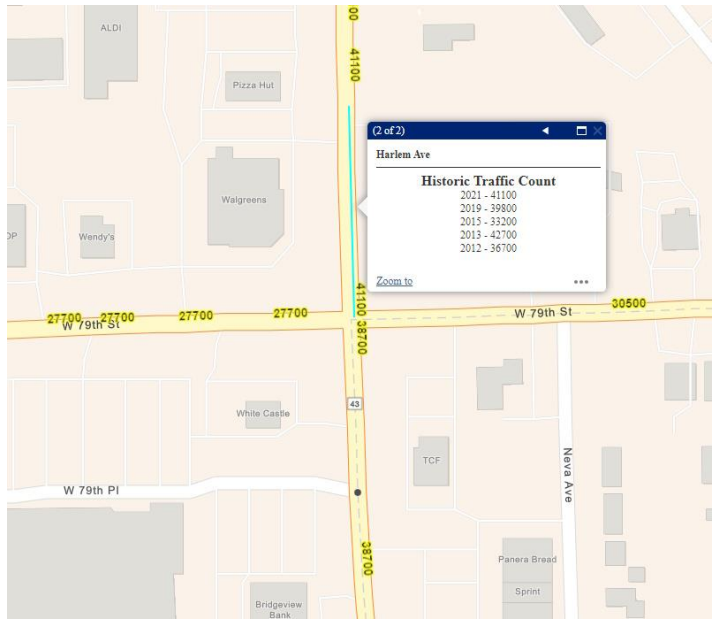
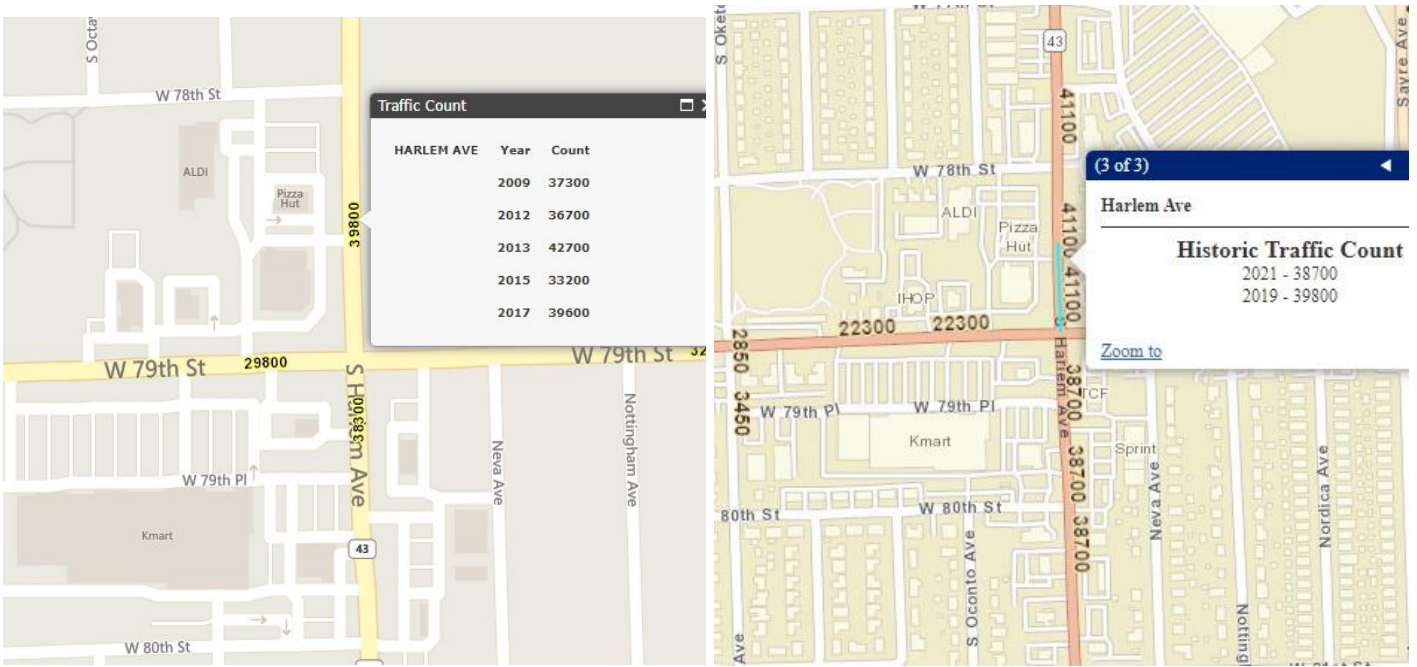
Westbound ADTC



Northbound ADTC



Southbound ADTC





4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Westbound** approach of **79th St and Harlem Ave** in 2022.

	2022
In Person	136
By Mail	198

The summary of tickets contested “in person” and “by mail” for the **Northbound** approach of **79th St and Harlem Ave** in 2022.

	2022
In Person	170
By Mail	137



5. Report Summary and Recommendation

The **City of Burbank** uses state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **City of Burbank** 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 2014-2016, prior to RLR camera installation, the combined average of ADTC was 127,033. From 2018-2022, post RLR camera installation, the combined average of ADTC was 138,500 – an increase of 9.03%. (See tab 3)

From 2014-2016, prior to RLR camera installation, there were 74 total crashes; this averages out to 24.67 crashes a year. From 2018-2022, post RLR camera installation, there were 84 total crashes; this averages out to 16.8 crashes per year - a 31.89% 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 31.89%, even with the increase of 9.03% in the combined average of ADTC.

After analyzing all of the available data, we believe that the RLR cameras currently in operation at the intersection of **79th St and Harlem Ave** in the **City of Burbank** are 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.