



IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr)

<Southbound>



Palos Heights, IL RLR Follow-Up

Evaluation Report

(Amendatory Act of the 103rd General Assembly)

Reference No: 016-61661

February 2024

Palos Heights Police Department

7607 West College Drive Palos Heights, Illinois 60463

William Czajkowski
Chief of Police

Admin. (708) 448-5060
Fax: (708) 361-9371

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
IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr) Southbound
City of Palos Heights, IL
Ref#: 016-61661

To Whom It May Concern:

Please find enclosed a copy of the 1 Year RLR Follow-Up Evaluation Report for the intersection of IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr), 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.

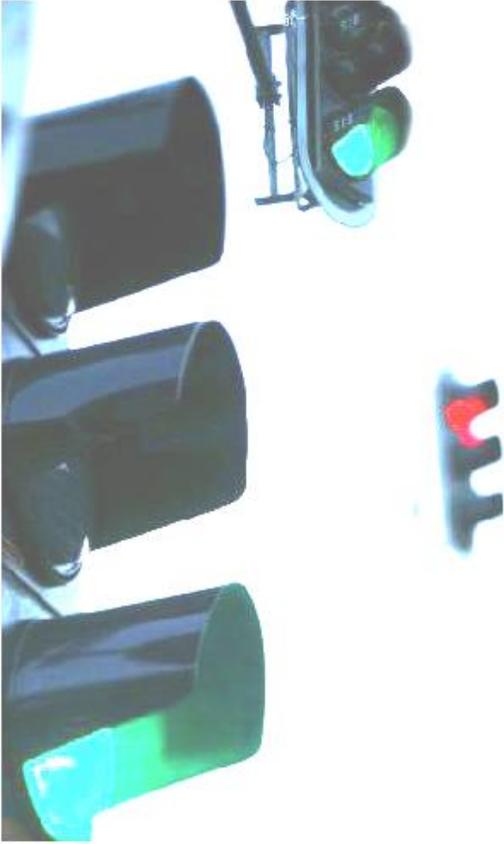
In 2015, the **City of Palos Heights** received approval from the Illinois Department of Transportation (IDOT) to install a Red Light Running (RLR) camera on the **Southbound** approach at the intersection of **IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr)**.

- Date on which the camera went live on the Southbound approach: **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**

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 **IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr)** over a span of 10 years*.

	Angle	Head On	Turning	Rear End	Sideswipe	Fixed Object	Other Object	Pedestrian/ Pedalcyclist	Total
2013	0	0	4	9	0	0	0	0	13
2014	2	0	6	13	1	2	0	0	24
2015	1	1	7	7	2	0	0	0	18
2016	1	0	5	6	0	0	0	0	12
2017	0	0	8	13	1	0	0	0	22
2018	2	0	4	8	1	0	0	0	15
2019	0	0	4	7	1	1	0	1	14
2020	0	0	7	6	0	0	0	1	14
2021	3	0	4	7	2	0	1	0	17
2022	2	0	9	6	3	0	0	0	20

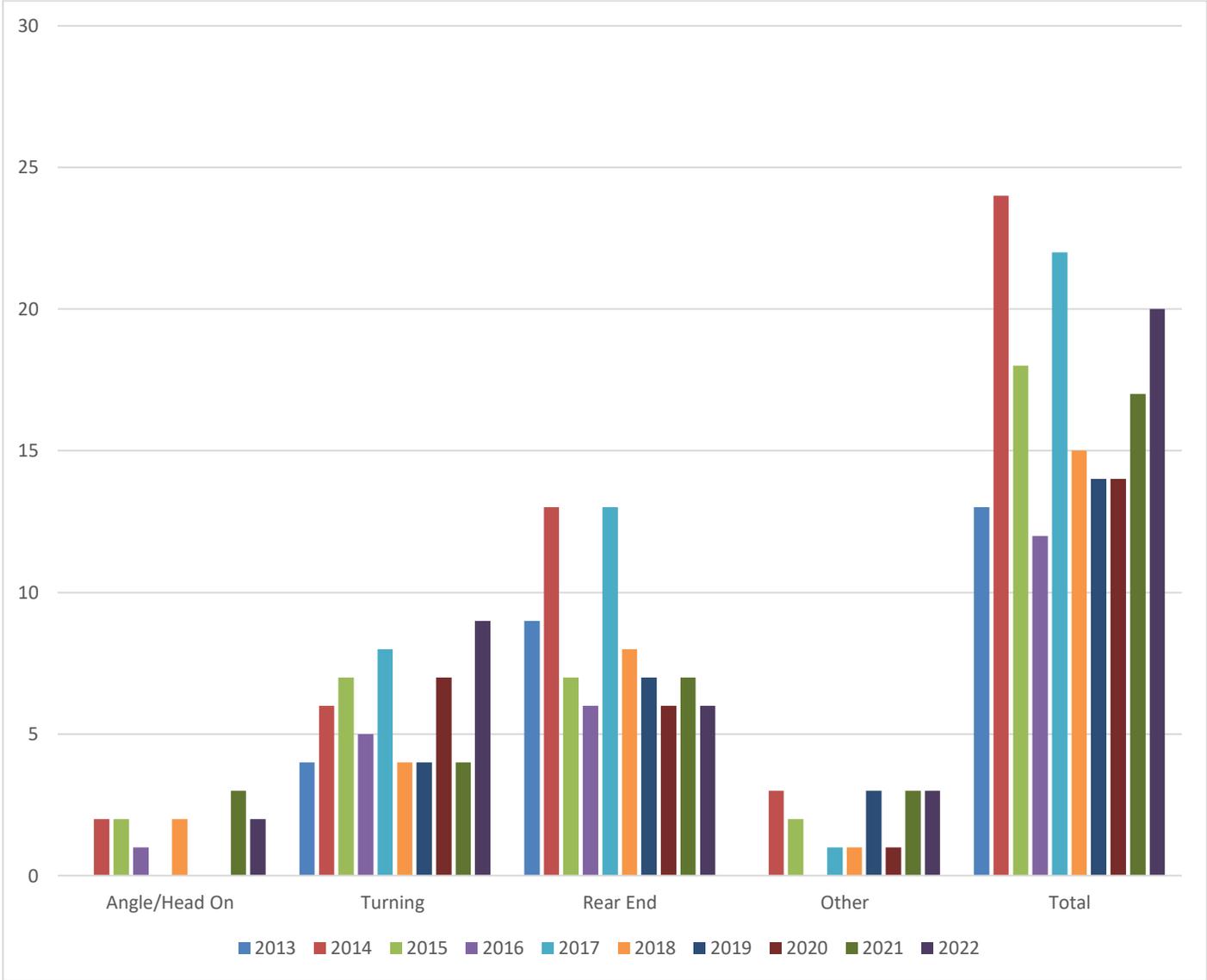
The data from 2013-2015 shows the period prior to the installation of the RLR camera.

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

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

* **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	0	4	9	0	13	18.33
	2014	2	6	13	3	24	
	2015	2	7	7	2	18	
	2016	1	5	6	0	12	
After Installation	2017	0	8	13	1	22	17
	2018	2	4	8	1	15	
	2019	0	4	7	3	14	
	2020	0	7	6	1	14	
	2021	3	4	7	3	17	
	2022	2	9	6	3	20	

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

From 2013-2015, prior to RLR camera installation, there were 55 total crashes; this averages out to 18.33 crashes a year.

From 2017-2022, post RLR camera installation, there were 107 total crashes; this averages out to 17 crashes per year - a 7.27% 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: IL043 | From MileStation 11.72 to 11.72 | 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
13	0	0	3	1	9	0	10	0	9	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	9	69.2%	Monday	2	15.4%	04 AM	1	7.7%	Passenger	21	77.8%
Turning	4	30.8%	Tuesday	3	23.1%	11 AM	1	7.7%	Pickup	1	3.7%
TOTAL:	13		Wednesday	4	30.8%	Noon	1	7.7%	SUV	2	7.4%
			Thursday	3	23.1%	2 PM	1	7.7%	Van/Mini-Van	3	11.1%
			Sunday	1	7.7%	3 PM	3	23.1%	TOTAL:	27	
			TOTAL:	13		4 PM	1	7.7%			
						5 PM	2	15.4%			
						6 PM	1	7.7%			
						9 PM	2	15.4%			
						TOTAL:	13				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	61.5%	Darkness/ Lighted Road	2	15.4%	Dry	8	61.5%	East	3	11.1%
Cloudy/Overcast	2	15.4%	Dawn	2	15.4%	Unknown	1	7.7%	North	8	29.6%
Rain	3	23.1%	Daylight	9	69.2%	Wet	4	30.8%	Northeast	1	3.7%
TOTAL:	13		TOTAL:	13		TOTAL:	13		Northwest	1	3.7%
									South	8	29.6%
									Southeast	1	3.7%
									West	5	18.5%
									TOTAL:	27	

Collision Diagram Summary

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 11.72 to 11.72 | 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>2</u>	<u>5</u>	<u>1</u>	<u>16</u>	<u>0</u>	<u>15</u>	<u>2</u>	<u>9</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	8.3%	Wednesday	2	8.3%	03 AM	1	4.2%	Other	2	4.1%
Fixed Object	2	8.3%	Monday	5	20.8%	08 AM	2	8.3%	Other Vehicle With Trailer	1	2.0%
Rear End	13	54.2%	Saturday	6	25.0%	09 AM	1	4.2%	Passenger	33	67.3%
Sideswipe Same Direction	1	4.2%	Thursday	3	12.5%	11 AM	1	4.2%	SUV	7	14.3%
Turning	6	25.0%	Friday	3	12.5%	Noon	3	12.5%	Truck Single Unit	1	2.0%
TOTAL:	24		Tuesday	5	20.8%	1 PM	1	4.2%	Unknown	1	2.0%
			TOTAL:	24		2 PM	1	4.2%	Van/Mini-Van	4	8.2%
						4 PM	3	12.5%	TOTAL:	49	
						5 PM	5	20.8%			
						6 PM	1	4.2%			
						7 PM	3	12.5%			
						8 PM	1	4.2%			
						11 PM	1	4.2%			
						TOTAL:	24				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	41.7%	Darkness	3	12.5%	Dry	9	37.5%	East	19	38.8%
Cloudy/Overcast	2	8.3%	Darkness/ Lighted Road	6	25.0%	Other	1	4.2%	North	8	16.3%
Rain	5	20.8%	Daylight	15	62.5%	Snow or Slush	8	33.3%	Northwest	1	2.0%
Snow	7	29.2%	TOTAL:	24		Wet	6	25.0%	South	16	32.7%
TOTAL:	24					TOTAL:	24		Southeast	4	8.2%

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2943977.19238709 : YCoordinate 1833121.57923901 | 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>5</u>	<u>12</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>5</u>	<u>10</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	5.6%	Monday	2	11.1%	Midnight	1	5.6%	Passenger	30	78.9%
Head On	1	5.6%	Tuesday	2	11.1%	07 AM	1	5.6%	SUV	6	15.8%
Rear End	7	38.9%	Wednesday	4	22.2%	08 AM	2	11.1%	Van/Mini-Van	2	5.3%
Sideswipe Opposite Direction	1	5.6%	Thursday	2	11.1%	10 AM	1	5.6%	TOTAL:	38	
Sideswipe Same Direction	1	5.6%	Friday	5	27.8%	Noon	2	11.1%			
Turning	7	38.9%	Saturday	2	11.1%	1 PM	3	16.7%			
TOTAL:	18		Sunday	1	5.6%	3 PM	2	11.1%			
			TOTAL:	18		4 PM	2	11.1%			
						5 PM	1	5.6%			
						6 PM	1	5.6%			
						9 PM	1	5.6%			
						10 PM	1	5.6%			
						TOTAL:	18				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	16	88.9%	Darkness	1	5.6%	Dry	14	77.8%	East	5	13.2%
Cloudy/Overcast	1	5.6%	Darkness, Lighted Road	1	5.6%	Unknown	1	5.6%	North	12	31.6%
Rain	1	5.6%	Daylight	16	88.9%	Wet	3	16.7%	Northwest	5	13.2%
TOTAL:	18		TOTAL:	18		TOTAL:	18		South	15	39.5%

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2943977.19238709 : YCoordinate 1833121.57923901 | 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>12</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>6</u>	<u>0</u>	<u>4</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	8.3%	Monday	1	8.3%	01 AM	1	8.3%	Passenger	16	61.5%
Rear End	6	50.0%	Tuesday	2	16.7%	07 AM	1	8.3%	Pickup	2	7.7%
Turning	5	41.7%	Wednesday	2	16.7%	09 AM	1	8.3%	SUV	6	23.1%
TOTAL:	12		Thursday	1	8.3%	Noon	2	16.7%	Tractor With Semi-Trailer	1	3.8%
			Friday	4	33.3%	1 PM	1	8.3%	Van/Mini-Van	1	3.8%
			Saturday	1	8.3%	3 PM	1	8.3%	TOTAL:	26	
			Sunday	1	8.3%	5 PM	1	8.3%			
			TOTAL:	12		8 PM	1	8.3%			
						10 PM	2	16.7%			
						11 PM	1	8.3%			
						TOTAL:	12				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	66.7%	Darkness, Lighted Road	5	41.7%	Dry	8	66.7%	East	8	30.8%
Cloudy/Overcast	1	8.3%	Daylight	6	50.0%	Unknown	1	8.3%	North	7	26.9%
Rain	3	25.0%	Dusk	1	8.3%	Wet	3	25.0%	Northwest	1	3.8%
TOTAL:	12		TOTAL:	12		TOTAL:	12		South	7	26.9%
									West	3	11.5%
									TOTAL:	26	

Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2943977.19238709 : YCoordinate 1833121.57923901 | 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>1</u>	<u>8</u>	<u>13</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>1</u>	<u>9</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	13	59.1%	Monday	3	13.6%	06 AM	2	9.1%	Other Vehicle With Trailer	1	2.2%
Sideswipe Same Direction	1	4.5%	Tuesday	5	22.7%	07 AM	2	9.1%	Passenger	29	64.4%
Turning	8	36.4%	Wednesday	6	27.3%	08 AM	1	4.5%	Pickup	3	6.7%
TOTAL:	22		Thursday	3	13.6%	09 AM	2	9.1%	SUV	7	15.6%
			Friday	1	4.5%	11 AM	2	9.1%	Unknown	2	4.4%
			Saturday	3	13.6%	Noon	2	9.1%	Van/Mini-Van	3	6.7%
			Sunday	1	4.5%	2 PM	1	4.5%	TOTAL:	45	
			TOTAL:	22		3 PM	1	4.5%			
						4 PM	2	9.1%			
						5 PM	1	4.5%			
						6 PM	1	4.5%			
						7 PM	2	9.1%			
						10 PM	2	9.1%			
						11 PM	1	4.5%			
						TOTAL:	22				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	18	81.8%	Darkness	1	4.5%	Dry	18	81.8%	East	8	17.8%
Cloudy/Overcast	2	9.1%	Darkness, Lighted Road	4	18.2%				North	14	31.1%

Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2943978.047 : YCoordinate 1833117.878 | 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>3</u>	<u>4</u>	<u>8</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>3</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	13.3%	Monday	1	6.7%	01 AM	1	6.7%	Passenger	21	63.6%
Front to Rear	8	53.3%	Tuesday	1	6.7%	05 AM	1	6.7%	SUV	6	18.2%
Sideswipe Same Direction	1	6.7%	Wednesday	1	6.7%	06 AM	2	13.3%	Tractor With Semi-Trailer	1	3.0%
Turning	4	26.7%	Thursday	4	26.7%	07 AM	1	6.7%	Unknown	3	9.1%
TOTAL:	15		Friday	5	33.3%	09 AM	1	6.7%	Van/Mini-Van	2	6.1%
			Saturday	2	13.3%	Noon	1	6.7%	TOTAL:	33	
			Sunday	1	6.7%	1 PM	1	6.7%			
			TOTAL:	15		2 PM	1	6.7%			
						4 PM	2	13.3%			
						6 PM	3	20.0%			
						7 PM	1	6.7%			
						TOTAL:	15				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	66.7%	Darkness, Lighted Road	3	20.0%	Dry	11	73.3%	East	9	27.3%
Cloudy/Overcast	3	20.0%	Dawn	2	13.3%	Snow or Slush	1	6.7%	North	2	6.1%
Snow	1	6.7%	Daylight	9	60.0%	Unknown	1	6.7%	Northwest	4	12.1%
Unknown	1	6.7%	Unknown	1	6.7%	Wet	2	13.3%	South	14	42.4%
TOTAL:	15		TOTAL:	15		TOTAL:	15				

Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2943978.047 : YCoordinate 1833117.878 | 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>14</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>11</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	%
Fixed Object	1	7.1%	Monday	2	14.3%	06 AM	1	7.1%	Passenger	18	66.7%
Front to Rear	7	50.0%	Tuesday	3	21.4%	07 AM	1	7.1%	Pickup	2	7.4%
Pedestrian	1	7.1%	Wednesday	4	28.6%	09 AM	1	7.1%	SUV	6	22.2%
Sideswipe Same Direction	1	7.1%	Thursday	1	7.1%	10 AM	2	14.3%	Van/Mini-Van	1	3.7%
Turning	4	28.6%	Saturday	4	28.6%	11 AM	1	7.1%	TOTAL:	27	
TOTAL:	14		TOTAL:	14		2 PM	1	7.1%			
						3 PM	1	7.1%			
						4 PM	1	7.1%			
						6 PM	2	14.3%			
						8 PM	1	7.1%			
						9 PM	2	14.3%			
						TOTAL:	14				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	11	78.6%	Darkness	1	7.1%	Dry	10	71.4%	East	5	18.5%
Rain	2	14.3%	Darkness, Lighted Road	3	21.4%	Snow or Slush	1	7.1%	North	5	18.5%
Snow	1	7.1%	Daylight	10	71.4%	Wet	3	21.4%	Northwest	1	3.7%
TOTAL:	14		TOTAL:	14		TOTAL:	14		South	12	44.4%

Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2943978.047 : YCoordinate 1833117.878 | 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>14</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>12</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>1</u>	<u>3</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	6	42.9%	Monday	2	14.3%	Midnight	1	7.1%	Passenger	15	55.6%
Pedalcyclist	1	7.1%	Tuesday	2	14.3%	03 AM	1	7.1%	Pickup	6	22.2%
Turning	7	50.0%	Wednesday	4	28.6%	06 AM	1	7.1%	SUV	5	18.5%
TOTAL:	14		Thursday	2	14.3%	08 AM	1	7.1%	Tractor With Semi-Trailer	1	3.7%
			Friday	2	14.3%	10 AM	1	7.1%	TOTAL:	27	
			Saturday	2	14.3%	11 AM	1	7.1%			
			TOTAL:	14		Noon	3	21.4%			
						2 PM	3	21.4%			
						3 PM	1	7.1%			
						5 PM	1	7.1%			
						TOTAL:	14				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	11	78.6%	Darkness, Lighted Road	1	7.1%	Dry	12	85.7%	East	5	18.5%
Cloudy/Overcast	1	7.1%	Daylight	13	92.9%	Wet	2	14.3%	North	7	25.9%
Rain	1	7.1%	TOTAL:	14		TOTAL:	14		Northeast	1	3.7%
Snow	1	7.1%						Northwest	1	3.7%	
TOTAL:	14							South	6	22.2%	
								Southeast	1	3.7%	

Coordinate Collision Diagram Report

1/1/2021 to 12/31/2021

For XCoordinate 2943976.806 : YCoordinate 1833121.188 | 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
17	0	0	3	2	12	0	6	0	3	3

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	17.6%	Monday	2	11.8%	02 AM	1	5.9%	Motorcycle	1	2.8%
Front to Rear	7	41.2%	Tuesday	2	11.8%	04 AM	1	5.9%	Passenger	20	55.6%
Other Object	1	5.9%	Wednesday	3	17.6%	05 AM	1	5.9%	Pickup	2	5.6%
Sideswipe Same Direction	2	11.8%	Thursday	3	17.6%	07 AM	1	5.9%	SUV	8	22.2%
Turning	4	23.5%	Friday	1	5.9%	08 AM	1	5.9%	Tractor With Semi-Trailer	1	2.8%
TOTAL:	17		Saturday	2	11.8%	11 AM	1	5.9%	Unknown	1	2.8%
			Sunday	4	23.5%	Noon	2	11.8%	Van/Mini-Van	3	8.3%
			TOTAL:	17		1 PM	4	23.5%	TOTAL:	36	
						5 PM	1	5.9%			
						6 PM	2	11.8%			
						7 PM	1	5.9%			
						9 PM	1	5.9%			
						TOTAL:	17				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	15	88.2%	Darkness, Lighted Road	6	35.3%	Dry	17	100.0%	East	12	33.3%
Cloudy/Overcast	1	5.9%	Daylight	11	64.7%	TOTAL:	17		North	11	30.6%
Unknown	1	5.9%	TOTAL:	17				Northwest	1	2.8%	
TOTAL:	17							South	8	22.2%	

Coordinate Collision Diagram Report

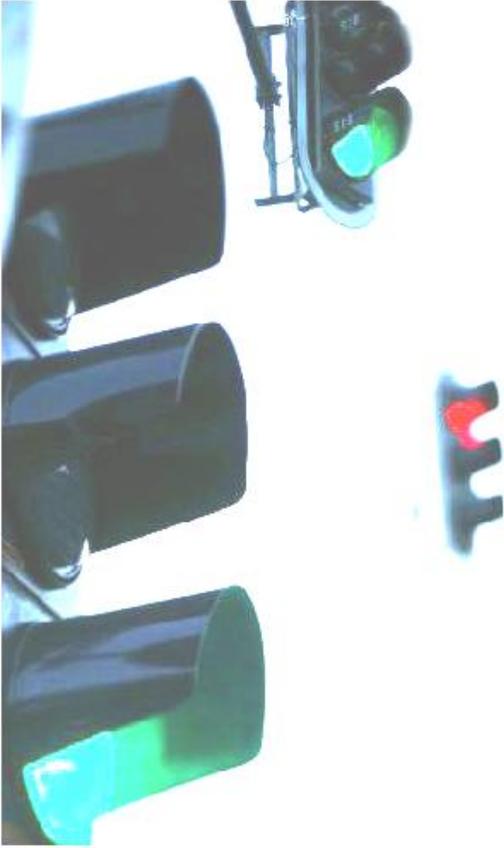
1/1/2022 to 12/31/2022

For XCoordinate 2943976.769 : YCoordinate 1833123.726 | 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>3</u>	<u>1</u>	<u>15</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	10.0%	Monday	5	25.0%	06 AM	1	5.0%	Other	1	2.3%
Front to Rear	6	30.0%	Tuesday	2	10.0%	08 AM	1	5.0%	Passenger	29	67.4%
Sideswipe Same Direction	3	15.0%	Wednesday	1	5.0%	11 AM	1	5.0%	Pickup	2	4.7%
Turning	9	45.0%	Thursday	7	35.0%	Noon	2	10.0%	Single Unit Truck with Trailer	1	2.3%
TOTAL:	20		Friday	3	15.0%	1 PM	3	15.0%	SUV	8	18.6%
			Sunday	2	10.0%	2 PM	2	10.0%	Truck Single Unit	1	2.3%
			TOTAL:	20		3 PM	2	10.0%	Van/Mini-Van	1	2.3%
						4 PM	1	5.0%	TOTAL:	43	
						5 PM	1	5.0%			
						6 PM	2	10.0%			
						8 PM	2	10.0%			
						9 PM	1	5.0%			
						10 PM	1	5.0%			
						TOTAL:	20				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	19	95.0%	Darkness, Lighted Road	4	20.0%	Dry	20	100.0%	East	11	25.6%
Cloudy/Overcast	1	5.0%	Dawn	1	5.0%	TOTAL:	20		North	16	37.2%
TOTAL:	20								South	9	20.9%



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr)** 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 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	2013	16,700	16,300	32,100	36,300	101,400	102,467
	2014	16,700	16,300	32,100	36,300	101,400	
	2015	17,300	16,300	35,500	35,500	104,600	
	2016	17,300	16,300	35,500	35,500	104,600	
After Installation	2017	18,600	17,300	36,800	36,800	109,500	99,800
	2018	18,600	17,300	26,800	36,800	99,500	
	2019	18,200	17,300	32,700	37,700	105,900	
	2020	18,200	17,300	32,700	37,700	105,900	
	2021	16,100	15,600	26,500	30,800	89,000	
	2022	16,100	15,600	26,500	30,800	89,000	

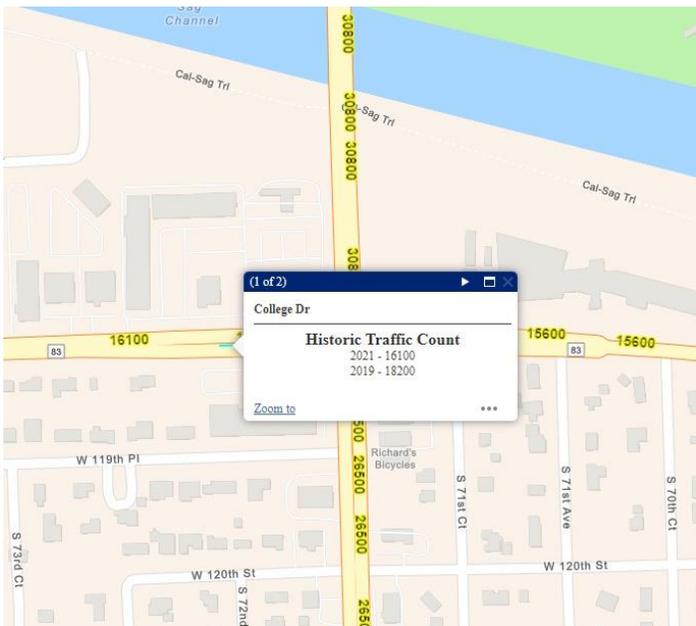
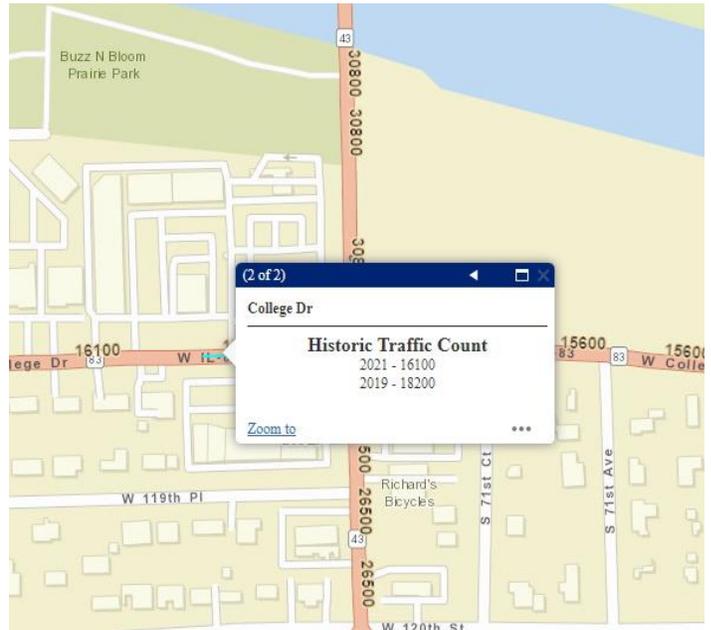
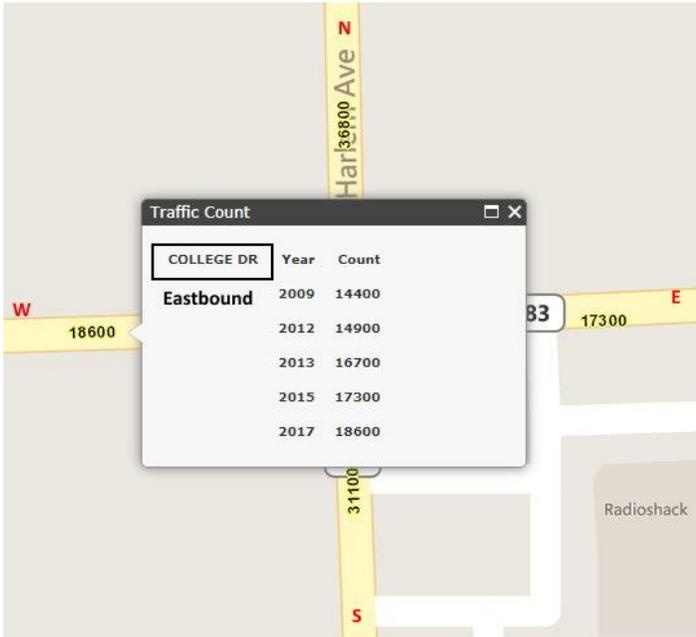
From 2013-2015, prior to RLR camera installation, the combined average of ADTC was 102,467.

From 2017-2022, post RLR camera installation, the combined average of ADTC was 99,800 – a reduction of 2.6%.

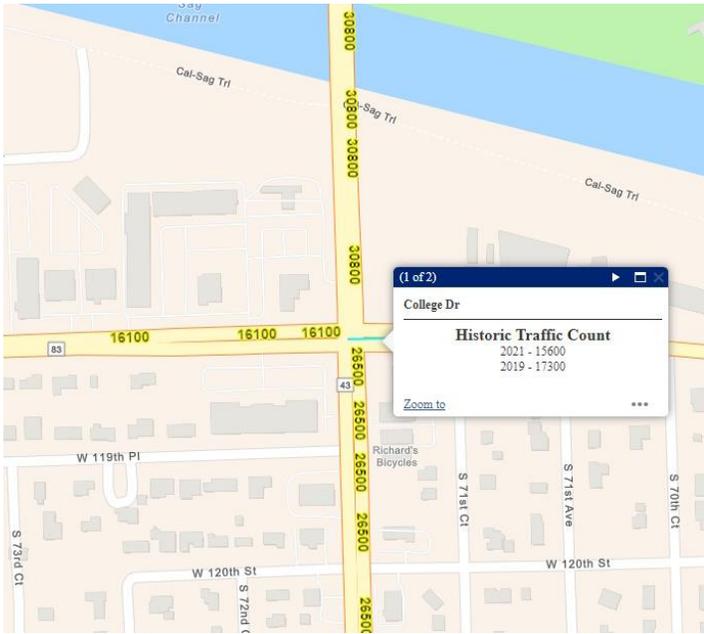
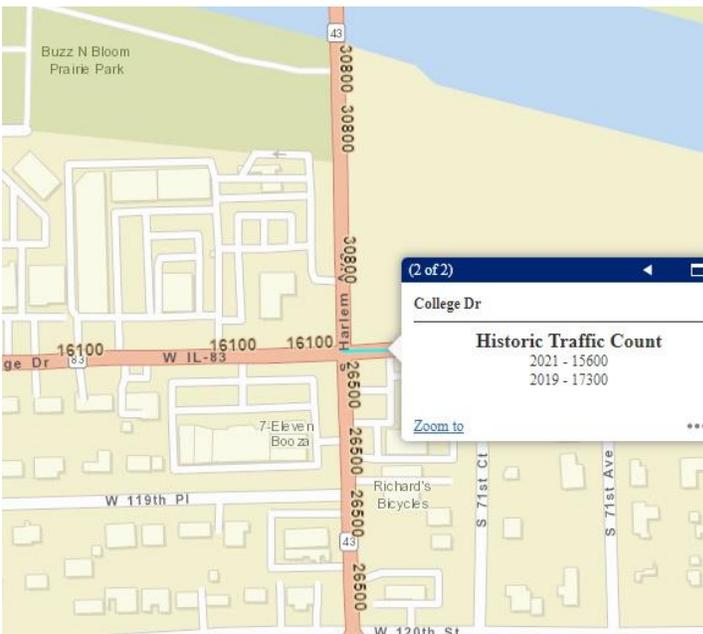
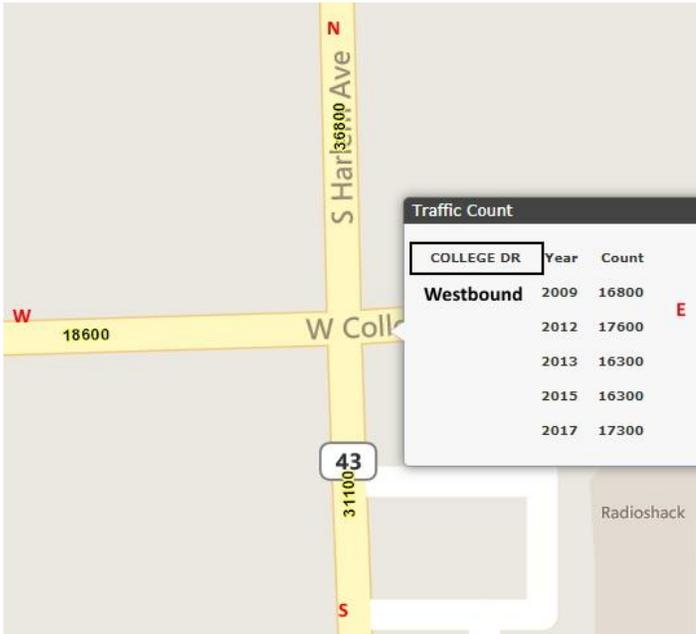
The following pages show the complete ADTC data from 2013-2022 obtained from the IDOT’s website.

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.

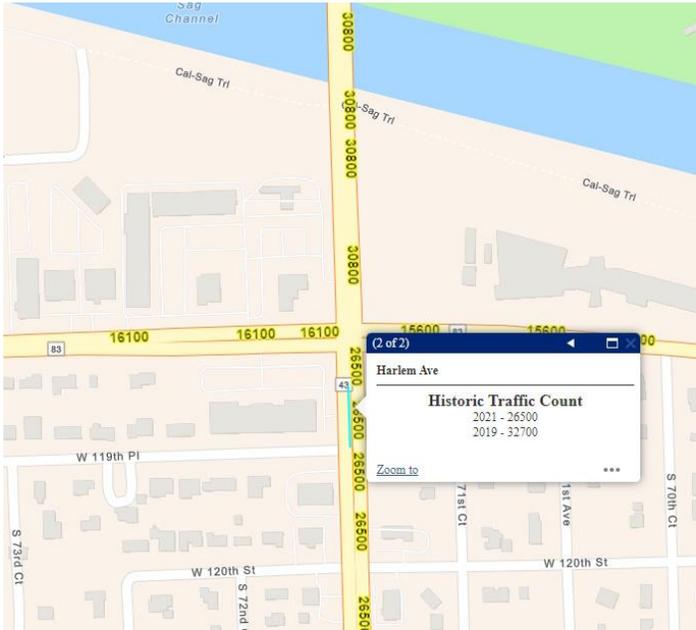
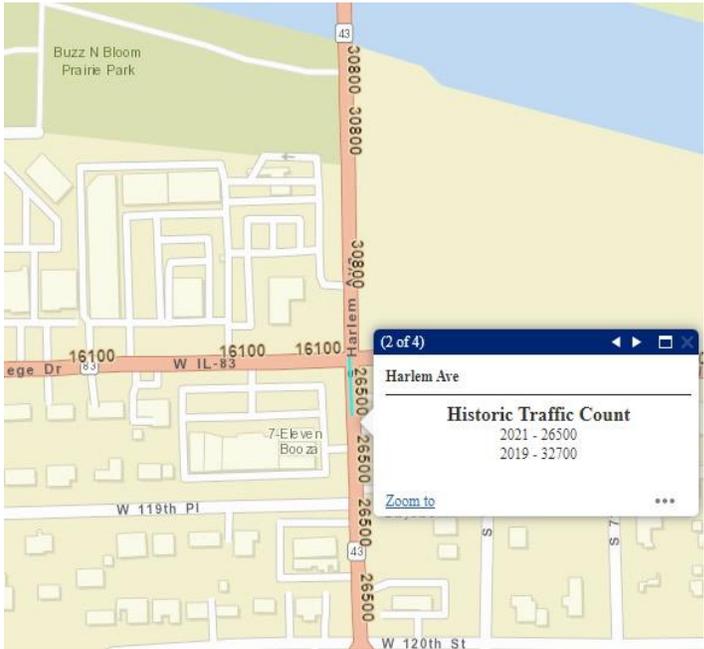
Eastbound ADTC



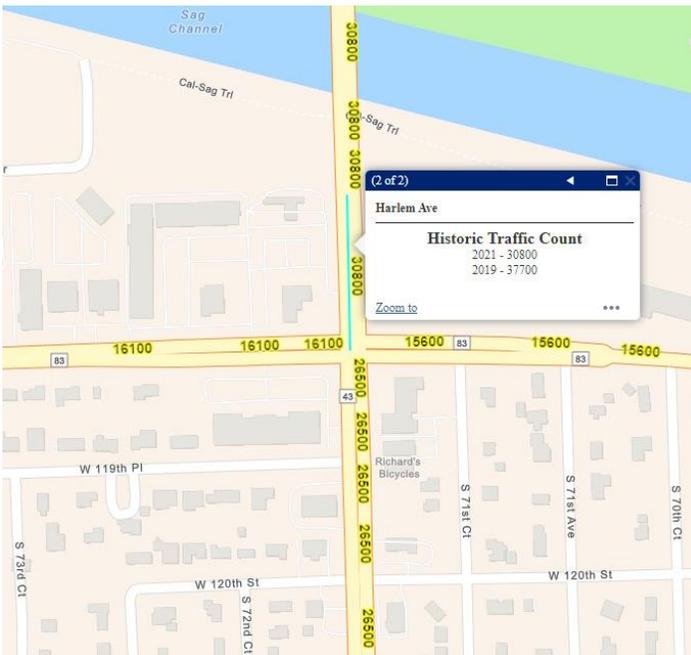
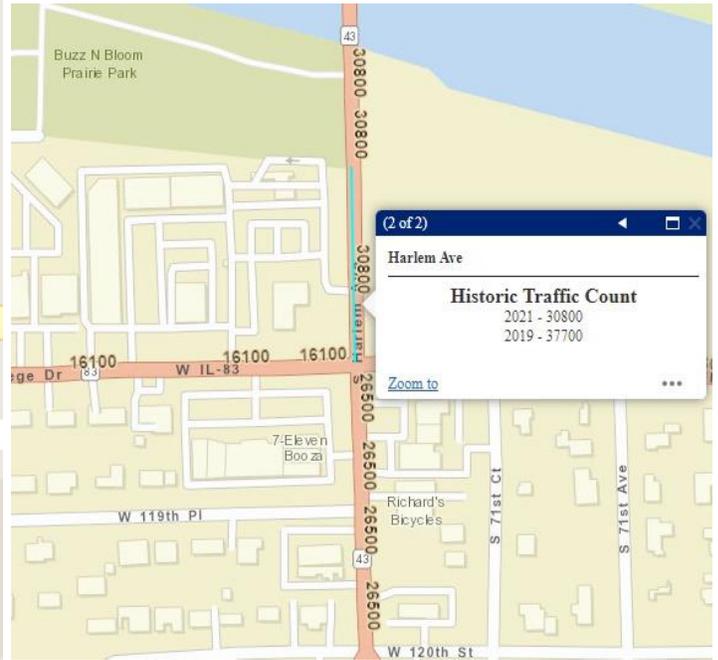
Westbound ADTC



Northbound ADTC



Southbound ADTC

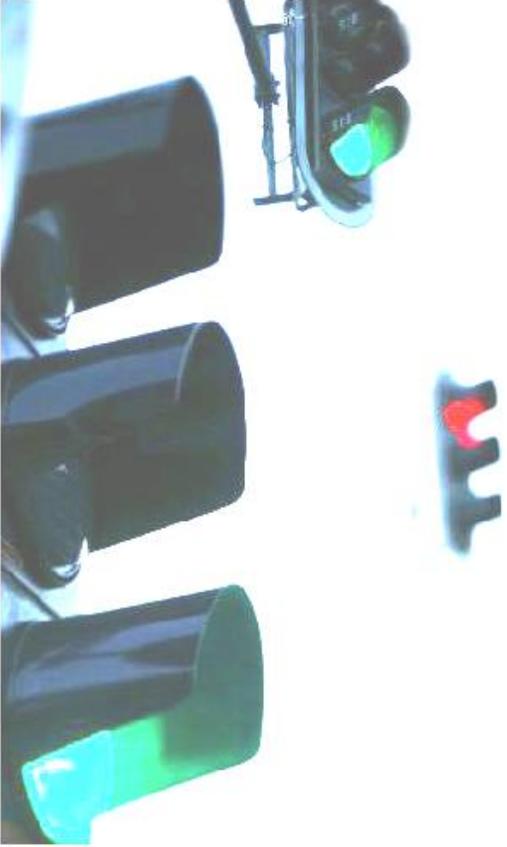




4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Southbound** approach of **IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr)** from 2021 to 2022.

	2021	2022
In Person	5	4
By Mail	21	5



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 2013-2015, prior to RLR camera installation, the combined average of ADTC was 102,467. From 2017-2022, post RLR camera installation, the combined average of ADTC was 99,800 – a reduction of 2.6%. (See tab 3)

From 2013-2015, prior to RLR camera installation, there were 55 total crashes; this averages out to 18.33 crashes a year. From 2017-2022, post RLR camera installation, there were 107 total crashes; this averages out to 17 crashes per year - a 7.27% 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 7.27% with a reduction of 2.6% 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 **IL Rt. 43 (Harlem Ave) and IL Rt. 83 (College Dr)** 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.