



Cermak Rd and Mannheim Rd <Southbound>



Westchester, IL RLR 3 Year Follow-Up Evaluation Report

Reference No: 016-59690
May 2022

Daniel Babich
Chief of Police



Westchester Police Department
10300 Roosevelt Rd
Westchester, IL 60154
Administration (708) 345-0060
Emergency (708)345-2131 OR 911

May 24, 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
Cermak Road and Mannheim Road (SB)
Village of Westchester
Ref #: 016-59690

Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 year RLR Follow-Up Evaluation Report for the Intersection of Cermak Road and Mannheim Road in Westchester Illinois.

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

If you have any questions with regard to this submittal or require any additional information, please feel free to contact us at (708) 345-0060, Rstieber@westchesterpolice.com

Best Regards,

A handwritten signature in black ink that reads "Daniel Babich". The script is cursive and fluid.

On behalf of the Village of Westchester
Daniel Babich
Chief of Police

3 Year 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

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

In 2013, the **Village of Westchester** received approval from the Illinois Department of Transportation (IDOT) to install the current Red Light Running (RLR) camera on the **Southbound** approach at the intersection of **Cermak Rd and Mannheim Rd**.

- Date on which the camera went live on the Southbound approach: **11/2013**
- Year in which the 1 Year Follow-Up Evaluation Report was submitted to the IDOT: **2015**
- 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>
---	---



2. RLR Crash Data and Analysis

The table below shows a summary of motor vehicle crashes at the intersection of **Cermak Rd and Mannheim Rd** over a span of 11 years*.

	Angle	Turning	Rear End	Pedestrian/ Pedalcyclist	Sideswipe	Fixed Object	Other Non- Collision	Total
2010	0	4	5	1	1	0	0	11
2011	2	4	3	1	0	0	0	10
2012	1	5	9	1	0	0	0	16
2013	1	5	13	0	0	0	0	19
2014	0	8	9	2	0	0	0	19
2015	0	5	4	0	2	0	0	11
2016	0	2	6	0	0	1	1	10
2017	1	4	6	1	2	0	0	14
2018	0	4	7	1	1	0	0	13
2019	1	4	5	1	0	0	0	11
2020	0	1	4	0	1	0	0	6

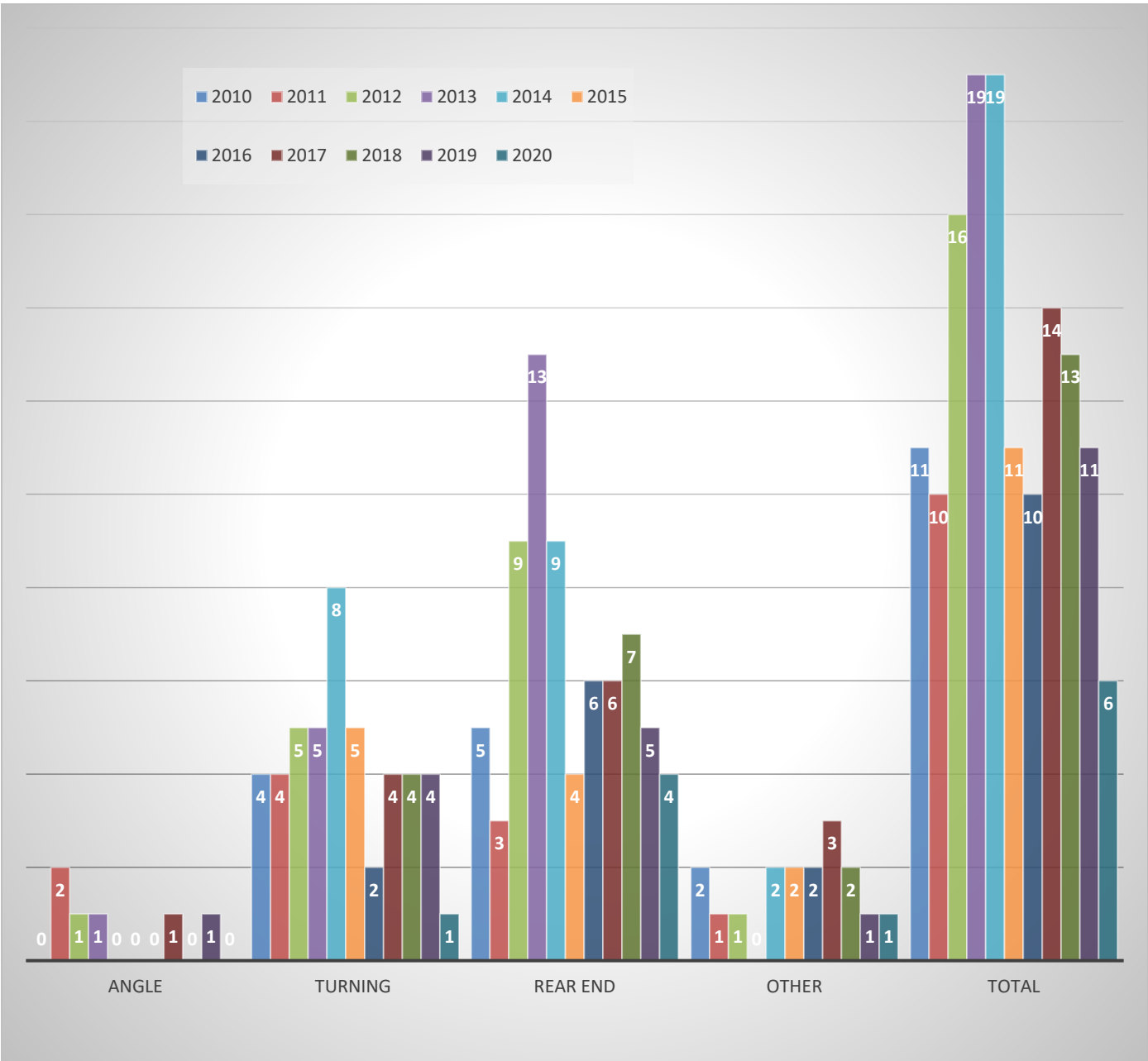
The data from 2010-2012 shows the period prior to the installation of the RLR camera.

The data from 2013 shows the year in which the camera was installed.

The data from 2014-2020 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 2010-2020.



	Year \ Type	Angle	Turning	Rear End	Other*	Total	Yearly Average
Before Installation	2010	0	4	5	2	11	12.33
	2011	2	4	3	1	10	
	2012	1	5	9	1	16	
	2013	1	5	13	0	19	
After Installation	2014	0	8	9	2	19	12
	2015	0	5	4	2	11	
	2016	0	2	6	2	10	
	2017	1	4	6	3	14	
	2018	0	4	7	2	13	
	2019	1	4	5	1	11	
	2020	0	1	4	1	6	

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

From 2010-2012, prior to RLR camera installation, there were 37 total crashes; this averages out to 12.33 crashes a year.

From 2014-2020, post RLR camera installation, there were 84 total crashes; this averages out to 12 crashes per year - a 2.7% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2010-2020. 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: US012 | From MileStation 57 to 57 | 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>3</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>	<u>0</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Pedalcyclist	1	9.1%	Monday	4	36.4%	06 AM	1	9.1%	Passenger	13	59.1%
Rear End	5	45.5%	Tuesday	1	9.1%	09 AM	1	9.1%	Pickup	2	9.1%
Sideswipe Same Direction	1	9.1%	Wednesday	1	9.1%	10 AM	1	9.1%	SUV	4	18.2%
Turning	4	36.4%	Thursday	2	18.2%	11 AM	2	18.2%	Tractor with Semi-Trailer	2	9.1%
TOTAL:	11		Friday	2	18.2%	1 PM	1	9.1%	Van/Mini-Van	1	4.5%
			Saturday	1	9.1%	2 PM	1	9.1%	TOTAL:	22	
			TOTAL:	11		3 PM	1	9.1%			
						5 PM	2	18.2%			
						6 PM	1	9.1%			
						TOTAL:	11				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	90.9%	Darkness	1	9.1%	Dry	9	81.8%	East	4	18.2%
Snow	1	9.1%	Daylight	9	81.8%	Snow or Slush	1	9.1%	North	6	27.3%
TOTAL:	11		Dusk	1	9.1%	Wet	1	9.1%	South	3	13.6%
			TOTAL:	11		TOTAL:	11		Southwest	1	4.5%
									Unknown	1	4.5%
									West	7	31.8%
									TOTAL:	22	



Collision Diagram

1/1/2011 to 12/31/2011

Crash Route: US012 | From MileStation 57 to 57 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
<u>10</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>8</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	%
Angle	2	20.0%	Monday	4	40.0%	Midnight	1	10.0%	Bus up to 15 Passengers	1	5.3%
Pedestrian	1	10.0%	Tuesday	2	20.0%	07 AM	1	10.0%	Passenger	14	73.7%
Rear End	3	30.0%	Wednesday	2	20.0%	09 AM	1	10.0%	SUV	2	10.5%
Turning	4	40.0%	Saturday	1	10.0%	2 PM	1	10.0%	Van/Mini-Van	2	10.5%
TOTAL:	10		Sunday	1	10.0%	3 PM	1	10.0%	TOTAL:	19	
			TOTAL:	10		4 PM	1	10.0%			
						5 PM	1	10.0%			
						6 PM	1	10.0%			
						7 PM	2	20.0%			
						TOTAL:	10				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	100.0%	Darkness	1	10.0%	Dry	9	90.0%	East	3	15.8%
TOTAL:	10		Darkness, Lighted Road	1	10.0%	Wet	1	10.0%	North	4	21.1%
			Daylight	7	70.0%	TOTAL:	10		Northeast	1	5.3%
			Dusk	1	10.0%				South	5	26.3%
			TOTAL:	10					West	6	31.6%
									TOTAL:	19	



Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: US012 | From MileStation 57 to 57 | 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
16	0	0	1	2	13	0	8	0	5	3

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	6.3%	Monday	5	31.3%	08 AM	1	6.3%	Passenger	25	75.8%
Pedalcyclist	1	6.3%	Tuesday	1	6.3%	09 AM	2	12.5%	SUV	3	9.1%
Rear End	9	56.3%	Wednesday	2	12.5%	Noon	1	6.3%	Tractor Without Semi-Trailer	1	3.0%
Turning	5	31.3%	Thursday	2	12.5%	1 PM	1	6.3%	Unknown	1	3.0%
TOTAL:	16		Friday	3	18.8%	3 PM	4	25.0%	Van/Mini-Van	3	9.1%
			Saturday	3	18.8%	4 PM	2	12.5%	TOTAL:	33	
			TOTAL:	16		5 PM	1	6.3%			
						6 PM	2	12.5%			
						8 PM	2	12.5%			
						TOTAL:	16				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	14	87.5%	Darkness	1	6.3%	Dry	12	75.0%	East	20	60.6%
Rain	2	12.5%	Darkness, Lighted Road	3	18.8%	Ice	1	6.3%	North	2	6.1%
TOTAL:	16		Daylight	11	68.8%	Wet	3	18.8%	Northeast	1	3.0%
			Dusk	1	6.3%	TOTAL:	16		South	1	3.0%
			TOTAL:	16					Southeast	1	3.0%
									Unknown	1	3.0%
									West	7	21.2%
									TOTAL:	33	



Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: US012 | From MileStation 57 to 57 | 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>1</u>	<u>1</u>	<u>4</u>	<u>13</u>	<u>0</u>	<u>9</u>	<u>3</u>	<u>2</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	5.3%	Monday	3	15.8%	06 AM	1	5.3%	Other	1	2.5%
Rear End	13	68.4%	Tuesday	4	21.1%	07 AM	1	5.3%	Passenger	30	75.0%
Turning	5	26.3%	Wednesday	1	5.3%	08 AM	3	15.8%	Pickup	1	2.5%
TOTAL:	19		Thursday	4	21.1%	Noon	2	10.5%	SUV	3	7.5%
			Friday	3	15.8%	3 PM	1	5.3%	Tractor With Semi-Trailer	1	2.5%
			Saturday	3	15.8%	4 PM	1	5.3%	Truck Single Unit	2	5.0%
			Sunday	1	5.3%	5 PM	5	26.3%	Van/Mini-Van	2	5.0%
			TOTAL:	19		6 PM	2	10.5%	TOTAL:	40	
					7 PM	3	15.8%				
					TOTAL:	19					
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	17	89.5%	Darkness	3	15.8%	Dry	16	84.2%	East	7	17.5%
Rain	2	10.5%	Darkness/ Lighted Road	2	10.5%	Wet	3	15.8%	North	3	7.5%
TOTAL:	19		Daylight	13	68.4%	TOTAL:	19		Northeast	2	5.0%
			Dusk	1	5.3%				South	11	27.5%
			TOTAL:	19					Southwest	1	2.5%
									West	16	40.0%
									TOTAL:	40	



Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: US012 | From MileStation 57 to 57 | 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>2</u>	<u>13</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>5</u>	<u>2</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>
Pedalcyclist	1	5.3%	Monday	4	21.1%	02 AM	1	5.3%	Motorcycle (Over 150cc)	1	2.7%
Pedestrian	1	5.3%	Tuesday	5	26.3%	05 AM	1	5.3%	Other	1	2.7%
Rear End	9	47.4%	Wednesday	4	21.1%	06 AM	2	10.5%	Passenger	27	73.0%
Turning	8	42.1%	Thursday	1	5.3%	07 AM	2	10.5%	Pickup	1	2.7%
TOTAL:	19		Friday	2	10.5%	09 AM	1	5.3%	SUV	3	8.1%
			Sunday	3	15.8%	11 AM	1	5.3%	Van/Mini-Van	4	10.8%
			TOTAL:	19		2 PM	2	10.5%	TOTAL:	37	
						3 PM	1	5.3%			
						4 PM	1	5.3%			
						5 PM	2	10.5%			
						6 PM	3	15.8%			
						8 PM	1	5.3%			
						9 PM	1	5.3%			
						TOTAL:	19				

<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	73.7%	Darkness	2	10.5%	Dry	15	78.9%	East	11	29.7%
Cloudy/Overcast	1	5.3%	Darkness/ Lighted Road	2	10.5%	Snow or Slush	2	10.5%	North	7	18.9%
Other	1	5.3%	Dawn	2	10.5%	Unknown	1	5.3%	Northeast	3	8.1%
Rain	1	5.3%	Daylight	12	63.2%	Wet	1	5.3%	South	3	8.1%
						TOTAL:	19		Southwest	1	2.7%



Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2919253.42707388 : YCoordinate 1895661.87943496 | 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>1</u>	<u>2</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	%
Rear End	4	36.4%	Monday	1	9.1%	04 AM	1	9.1%	Passenger	26	83.9%
Sideswipe Same Direction	2	18.2%	Tuesday	1	9.1%	08 AM	1	9.1%	Pickup	2	6.5%
Turning	5	45.5%	Wednesday	2	18.2%	11 AM	3	27.3%	SUV	2	6.5%
TOTAL:	11		Thursday	3	27.3%	3 PM	2	18.2%	Van/Mini-Van	1	3.2%
			Friday	2	18.2%	4 PM	1	9.1%	TOTAL:	31	
			Saturday	2	18.2%	5 PM	1	9.1%			
			TOTAL:	11		8 PM	1	9.1%			
						9 PM	1	9.1%			
						TOTAL:	11				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	81.8%	Darkness	1	9.1%	Dry	8	72.7%	East	9	29.0%
Rain	2	18.2%	Darkness, Lighted Road	1	9.1%	Wet	3	27.3%	North	3	9.7%
TOTAL:	11		Daylight	9	81.8%	TOTAL:	11		Northeast	2	6.5%
			TOTAL:	11					Northwest	3	9.7%
									South	5	16.1%
									Southwest	1	3.2%
									West	8	25.8%
									TOTAL:	31	



Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2919253.42707388 : YCoordinate 1895661.87943496 | 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>10</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>5</u>	<u>0</u>	<u>10</u>	<u>1</u>	<u>2</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	10.0%	Tuesday	4	40.0%	07 AM	1	10.0%	Passenger	21	84.0%
Other Non-Collision	1	10.0%	Wednesday	1	10.0%	09 AM	1	10.0%	Pickup	1	4.0%
Rear End	6	60.0%	Thursday	1	10.0%	1 PM	1	10.0%	SUV	2	8.0%
Turning	2	20.0%	Friday	3	30.0%	3 PM	2	20.0%	Van/Mini-Van	1	4.0%
TOTAL:	10		Sunday	1	10.0%	4 PM	1	10.0%	TOTAL:	25	
			TOTAL:	10		5 PM	1	10.0%			
						7 PM	1	10.0%			
						8 PM	2	20.0%			
						TOTAL:	10				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	7	70.0%	Darkness, Lighted Road	1	10.0%	Dry	7	70.0%	East	8	32.0%
Cloudy/Overcast	1	10.0%	Daylight	8	80.0%	Snow or Slush	1	10.0%	North	7	28.0%
Rain	2	20.0%	Dusk	1	10.0%	Wet	2	20.0%	South	6	24.0%
TOTAL:	10		TOTAL:	10		TOTAL:	10		West	4	16.0%
									TOTAL:	25	



Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2919253.42707388 : YCoordinate 1895661.87943496 | 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>4</u>	<u>9</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>1</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	7.1%	Monday	7	50.0%	Midnight	1	7.1%	Passenger	21	77.8%
Pedalcyclist	1	7.1%	Tuesday	1	7.1%	08 AM	1	7.1%	Pickup	2	7.4%
Rear End	6	42.9%	Wednesday	3	21.4%	10 AM	1	7.1%	SUV	2	7.4%
Sideswipe Same Direction	2	14.3%	Thursday	1	7.1%	11 AM	1	7.1%	Van/Mini-Van	2	7.4%
Turning	4	28.6%	Saturday	1	7.1%	Noon	1	7.1%	TOTAL:	27	
TOTAL:	14		Sunday	1	7.1%	1 PM	1	7.1%			
			TOTAL:	14		3 PM	2	14.3%			
						5 PM	2	14.3%			
						6 PM	3	21.4%			
						7 PM	1	7.1%			
						TOTAL:	14				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	71.4%	Darkness, Lighted Road	3	21.4%	Dry	10	71.4%	East	6	22.2%
Rain	3	21.4%	Daylight	11	78.6%	Snow or Slush	1	7.1%	North	3	11.1%
Snow	1	7.1%	TOTAL:	14		Wet	3	21.4%	Northeast	1	3.7%
TOTAL:	14					TOTAL:	14		South	9	33.3%
									Southeast	2	7.4%
									Unknown	1	3.7%



Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2919227.602 : YCoordinate 1895661.474 | 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>13</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>10</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>0</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	7	53.8%	Monday	2	15.4%	02 AM	1	7.7%	Passenger	17	65.4%
Pedalcyclist	1	7.7%	Tuesday	6	46.2%	05 AM	1	7.7%	Pickup	1	3.8%
Sideswipe Same Direction	1	7.7%	Thursday	2	15.4%	Noon	1	7.7%	SUV	6	23.1%
Turning	4	30.8%	Saturday	3	23.1%	1 PM	3	23.1%	Van/Mini-Van	2	7.7%
TOTAL:	13		TOTAL:	13		3 PM	1	7.7%	TOTAL:	26	
						4 PM	2	15.4%			
						5 PM	1	7.7%			
						6 PM	1	7.7%			
						7 PM	1	7.7%			
						10 PM	1	7.7%			
						TOTAL:	13				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	12	92.3%	Darkness	2	15.4%	Dry	12	92.3%	East	8	30.8%
Rain	1	7.7%	Darkness, Lighted Road	3	23.1%	Wet	1	7.7%	North	7	26.9%
TOTAL:	13		Daylight	8	61.5%	TOTAL:	13		Northeast	1	3.8%
			TOTAL:	13					South	1	3.8%
									West	9	34.6%
									TOTAL:	26	



Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2919227.602 : YCoordinate 1895661.474 | 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
11	0	0	0	4	7	0	6	0	0	6

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	9.1%	Tuesday	2	18.2%	07 AM	1	9.1%	Passenger	10	47.6%
Front to Rear	5	45.5%	Wednesday	2	18.2%	10 AM	1	9.1%	Pickup	1	4.8%
Pedestrian	1	9.1%	Thursday	1	9.1%	Noon	2	18.2%	SUV	5	23.8%
Turning	4	36.4%	Friday	3	27.3%	2 PM	1	9.1%	Tractor With Semi-Trailer	1	4.8%
TOTAL:	11		Saturday	2	18.2%	3 PM	1	9.1%	Truck Single Unit	1	4.8%
			Sunday	1	9.1%	4 PM	2	18.2%	Van/Mini-Van	3	14.3%
			TOTAL:	11		5 PM	1	9.1%	TOTAL:	21	
						6 PM	1	9.1%			
						11 PM	1	9.1%			
						TOTAL:	11				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	81.8%	Darkness, Lighted Road	1	9.1%	Dry	7	63.6%	East	11	52.4%
Rain	2	18.2%	Daylight	9	81.8%	Unknown	1	9.1%	Northeast	1	4.8%
TOTAL:	11		Dusk	1	9.1%	Wet	3	27.3%	South	4	19.0%
			TOTAL:	11		TOTAL:	11		Southeast	1	4.8%
									Southwest	2	9.5%
									West	2	9.5%
									TOTAL:	21	



Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2919227.602 : YCoordinate 1895661.474 | 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
6	0	0	0	0	6	0	0	0	0	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Front to Rear	4	66.7%	Tuesday	3	50.0%	08 AM	1	16.7%	Passenger	7	53.8%
Sideswipe Opposite Direction	1	16.7%	Thursday	2	33.3%	10 AM	3	50.0%	SUV	3	23.1%
Turning	1	16.7%	Sunday	1	16.7%	2 PM	1	16.7%	Tractor With Semi-Trailer	1	7.7%
TOTAL:	6		TOTAL:	6		9 PM	1	16.7%	Truck Single Unit	1	7.7%
						TOTAL:	6		Van/Mini-Van	1	7.7%
									TOTAL:	13	
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	3	50.0%	Darkness, Lighted Road	1	16.7%	Dry	5	83.3%	East	2	15.4%
Cloudy/Overcast	3	50.0%	Daylight	5	83.3%	Unknown	1	16.7%	North	5	38.5%
TOTAL:	6		TOTAL:	6		TOTAL:	6		South	1	7.7%
									Southwest	1	7.7%
									West	4	30.8%
									TOTAL:	13	



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **Cermak Rd and Mannheim Rd** over a span of 11 years.

The history of available ADTC on each approach was obtained from the IDOT website per the RLR Guideline document published by the IDOT and recorded in **bold** below.
<http://www.gettingaroundillinois.com/gai.htm?mt=aadt>

The data from 2010-2012 shows the period prior to the installation of the RLR camera.

The data from 2013 shows the year in which the camera was installed.

The data from 2014-2020 shows the period following the installation.

	Direction Year	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
Before Installation	2010	34,700	42,400	22,400	26,000	125,500	124,967
	2011	34,700	42,400	21,200	26,400	124,700	
	2012	34,700	42,400	21,200	26,400	124,700	
	2013	34,700	42,400	23,600	28,600	129,300	
After Installation	2014	26,600	32,700	23,600	28,600	111,500	111,800
	2015	26,600	32,700	24,100	28,600	112,000	
	2016	26,600	32,700	24,100	28,600	112,000	
	2017	28,000	32,600	24,300	25,800	110,700	
	2018	27,300	31,000	24,300	25,800	108,400	
	2019	27,300	31,000	26,100	29,600	114,000	
	2020	27,300	31,000	26,100	29,600	114,000	

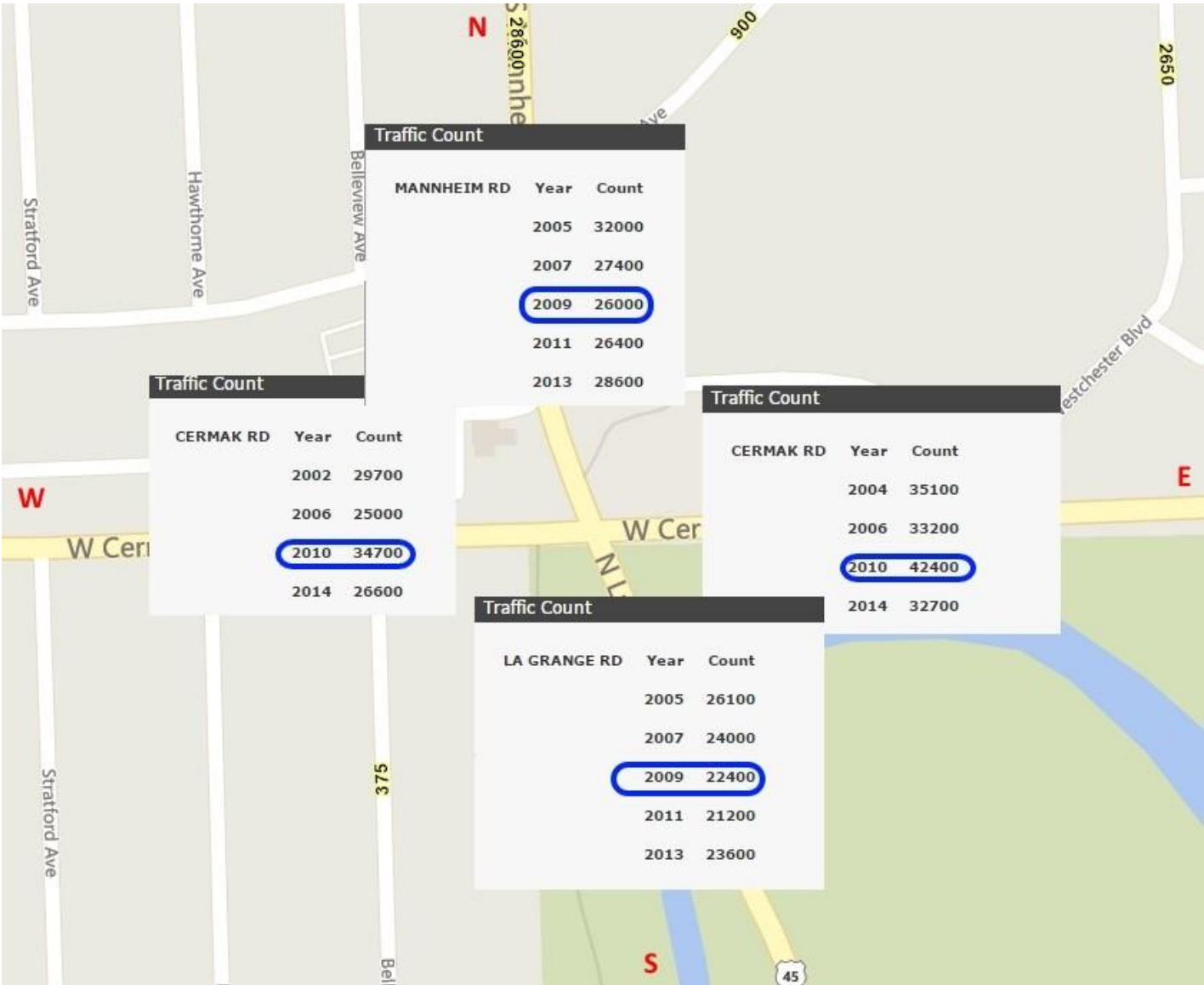
From 2010-2012, prior to RLR camera installation, the combined ADTC was 124,967.

From 2014-2020, post RLR camera installation, the combined average of ADTC was 111,800 – a reduction of 10.74%.

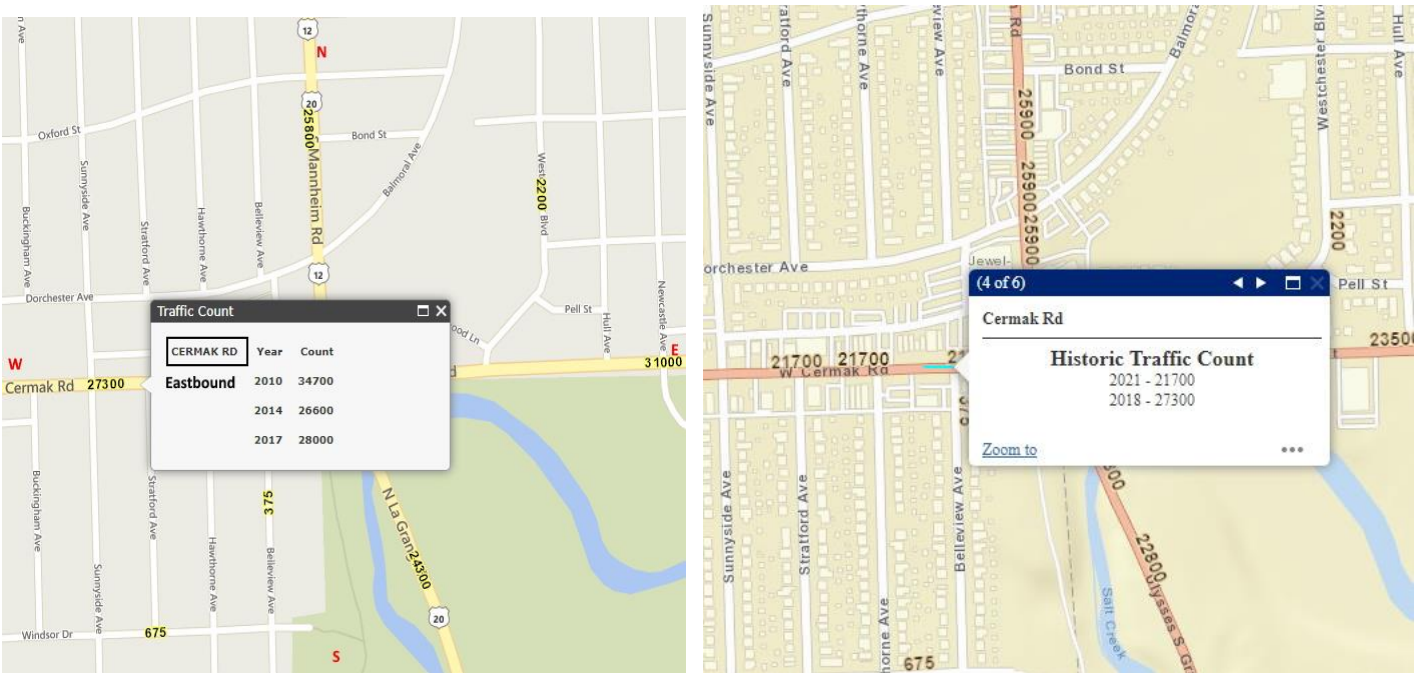
The following pages show the complete ADTC data from 2010-2020 obtained from the IDOT's website.

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.

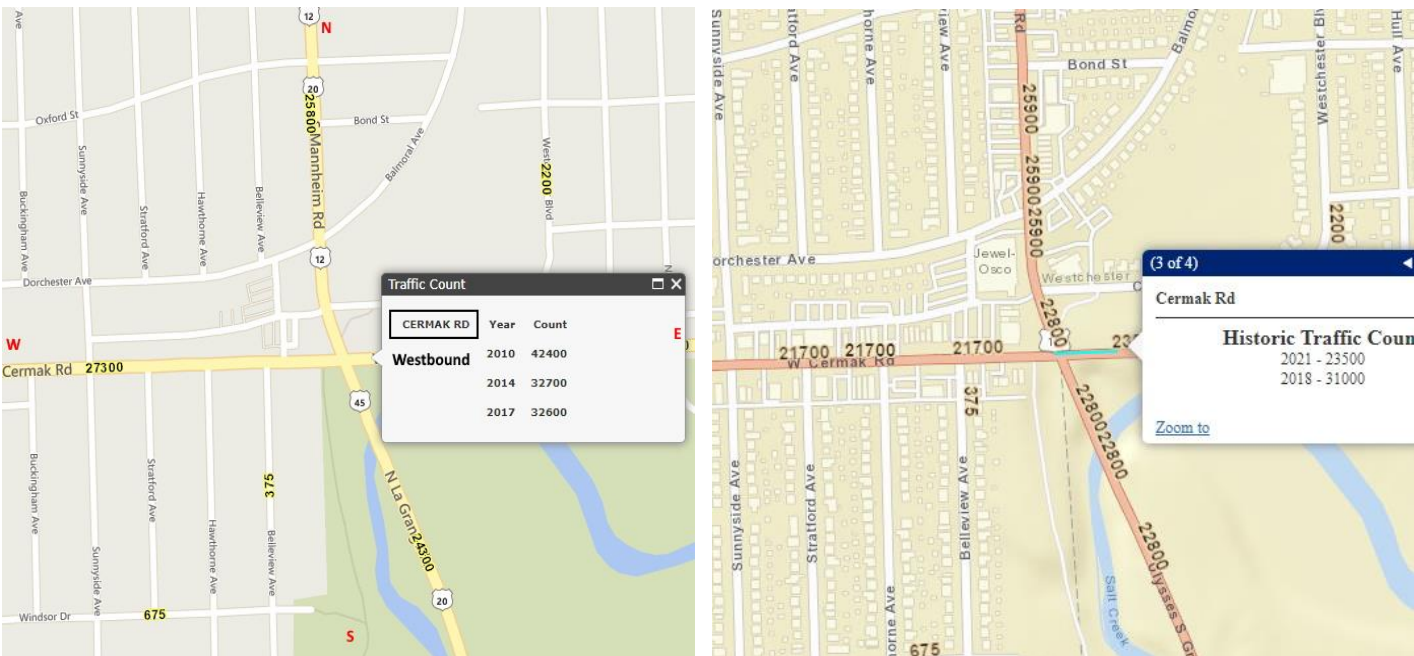
2010



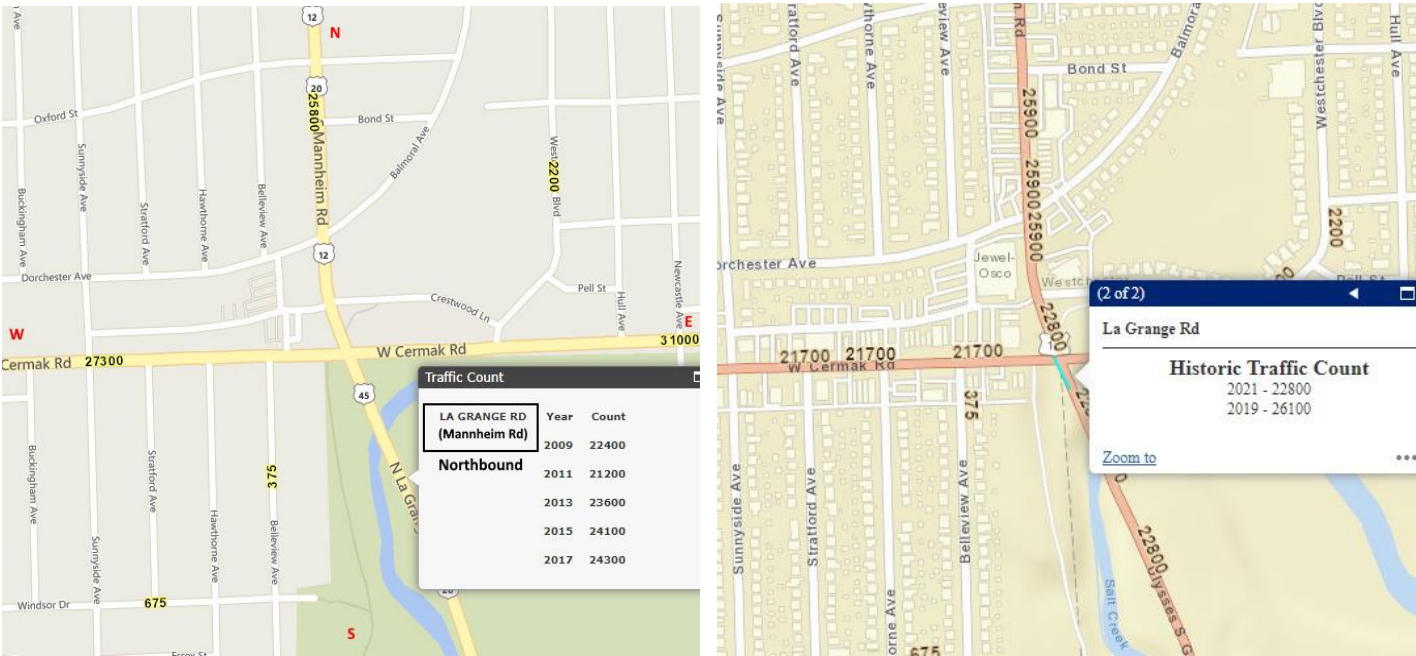
Eastbound ADTC



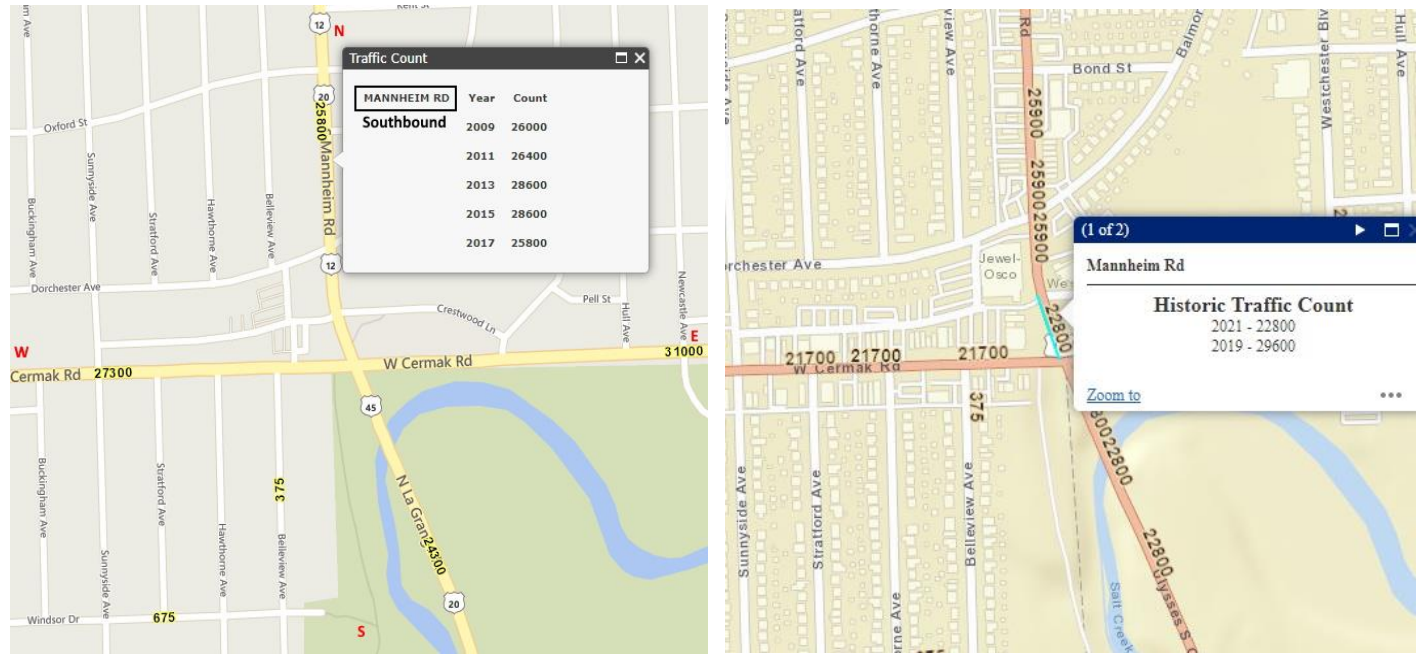
Westbound ADTC



Northbound ADTC



Southbound ADTC





4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Southbound** approach of **Cermak Rd and Mannheim Rd** from 2018 to 2020.

	2018	2019	2020
In Person	39	53	66
By Mail	66	47	57



5. Report Summary and Recommendation

The **Village of Westchester** uses state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **Village of Westchester** 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 2010-2012, prior to RLR camera installation, the combined ADTC was 124,967. From 2014-2020, post RLR camera installation, the combined average of ADTC was 111,800 – a reduction of 10.74%. (See tab 3)

From 2010-2012, prior to RLR camera installation, there were 37 total crashes; this averages out to 12.33 crashes a year. From 2014-2020, post RLR camera installation, there were 84 total crashes; this averages out to 12 crashes per year - a 2.7% 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 2.7% with a reduction of 10.74% 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 **Cermak Rd and Mannheim Rd** in the **Village of Westchester** 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.