

**Wolf Rd and Cermak Rd
<Southbound>**

**Hillside, IL
RLR 3 Year Follow-Up
Evaluation Report**

Reference No: 016-48172
May 2022

JOSEPH M. LUKASZEK
CHIEF OF POLICE
Phone: 708/449-8851
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Emergency 9-1-1
Non-Emergency 708/449-6133
Records 708/202-4322
Records Fax: 708/202-4319
Detective/Juvenile 708/449-8850
Administration 708/449-8851

Department of Police
Village of Hillside
425 Hillside Avenue

May 18, 2022

To: 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
Wolf Rd and Cermak Rd (Southbound)
Village of Hillside
Ref#:016-48172

Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 Year RLR Follow-Up Evaluation Report for the intersections of Wolf Rd and Cermak Rd (Southbound), Hillside, 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 708-449-8851, Jlukaszek@hillside-il.org.

Best Regards,

A handwritten signature in dark ink, appearing to read "Joseph M. Lukaszek", is written over a horizontal line.

On behalf of the Village of Hillside

Joseph Lukaszek
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

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1. RLR Camera Location, Live Date, System Manufacturer and Contractor

In 2010, the **Village of Hillside** 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 **Wolf Rd and Cermak Rd**.

- Date on which the camera went live on the southbound approach: **07/2010**
- Year in which the 1 Year Follow-Up Evaluation Report was submitted to the IDOT: **2011**
- Year in which the 3 Year Follow-Up Evaluation Report was submitted to the IDOT: **2015**
- Year in which the 2nd 3 Year Follow-Up Evaluation Report was submitted to the IDOT: **2019**

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 **Wolf Rd and Cermak Rd** over a span of 14 years*.

	Angle	Head On	Turning	Rear End	Pedestrian	Sideswipe	Fixed Object	Overtaken	Total
2007	0	0	6	9	0	0	0	0	15
2008	2	0	4	5	0	0	0	0	11
2009	3	0	4	9	1	1	0	0	18
2010	2	0	4	4	0	0	0	0	10
2011	1	1	4	3	0	0	1	0	10
2012	2	0	4	5	0	0	0	0	11
2013	1	0	6	4	0	0	0	0	11
2014	1	0	2	6	0	0	0	1	10
2015	1	0	9	4	0	0	0	0	14
2016	2	0	6	4	0	0	0	0	12
2017	1	0	2	2	0	0	1	0	6
2018	2	0	3	8	0	0	0	0	13
2019	1	0	0	2	0	0	0	0	3
2020	0	0	3	0	0	0	0	0	3

The data from 2007**-2009 shows the period prior to the installation of the RLR camera.

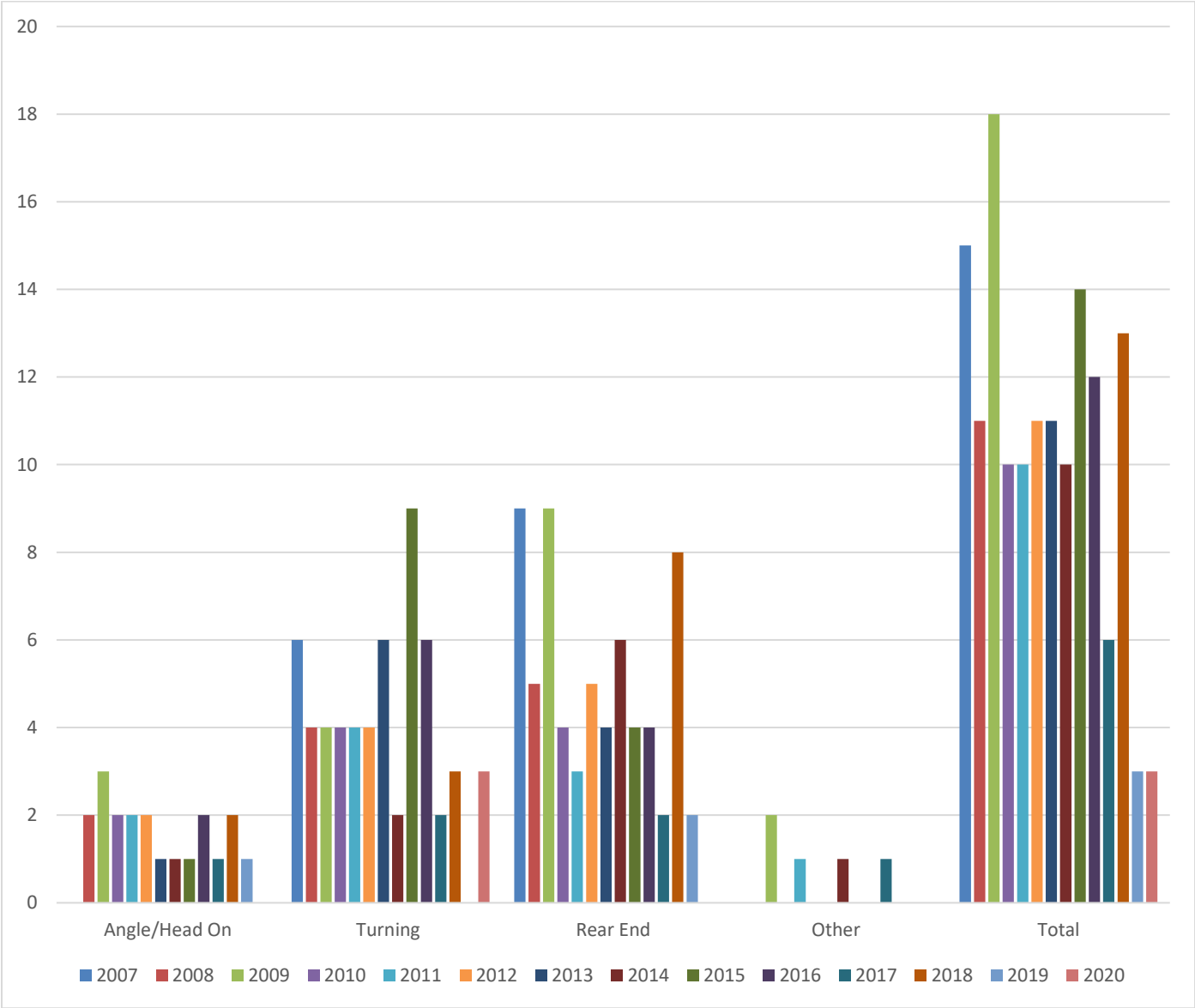
The data from 2010 shows the year in which the camera was installed.

The data from 2011-2020 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.

** Please note that the law regarding the crash reporting threshold for Property Damage Only crashes was amended effective January 1, 2009, to the following: When all drivers involved in a crash are insured, the amount of damage to the property of any one person that must be reported increased from \$500 to \$1,500. If any driver does not have insurance, the threshold remains at \$500. This change in law precludes comparison of 2009 and later Property Damage Only crashes and Total crashes with such crashes for previous years. The change did NOT affect the reporting of injury or fatal crashes.

The Chart below shows the trend of each crash type from 2007-2020.



	Year \ Type	Angle/Head On	Turning	Rear End	Other	Total	Yearly Average
Before Installation	2007	0	6	9	0	15	14.67
	2008	2	4	5	0	11	
	2009	3	4	9	2	18	
	2010	2	4	4	0	10	
After Installation	2011	2	4	3	1	10	9.30
	2012	2	4	5	0	11	
	2013	1	6	4	0	11	
	2014	1	2	6	1	10	
	2015	1	9	4	0	14	
	2016	2	6	4	0	12	
	2017	1	2	2	1	6	
	2018	2	3	8	0	13	
	2019	1	0	2	0	3	
	2020	0	3	0	0	3	

* Other crashes include: Pedestrian, Sideswipe, Fixed object and Overturned.

From the years 2007-2009, prior to RLR camera installation, there were 44 total crashes; this averages out to 14.67 crashes a year.

From 2011-2020, post RLR camera installation, there were 93 total crashes; this averages out to 9.3 crashes per year - a 36.59% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2007-2020. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.



Collision Diagram

1/1/2007 to 12/31/2007

Crash Route: TS131 | From MileStation 0.96 to 0.96 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

VUVOŠ ÔÛÆÏPÔÛ	ØØVØŠ ÔÛÆÏPÔÛ	ØRΛÜŸ ÔÛÆÏPÔÛ	ÛÛÛÛÔÛŸ ÔØØ ØŠÔ ÔÛÆÏPÔÛ	VUVOŠ SŠŠÔÔ	VUVOŠ ØRΛÜÔÔ	A INJURIES	B INJURIES	C INJURIES
15	0	1	14	0	1	0	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
11-Rear end	9	60.0%	Monday	2	13.3%	3 PM	2	13.3%	Bus over 15 pass.	1	3.3%
10-Turning	6	40.0%	Wednesday	2	13.3%	6 PM	1	6.7%	Other	1	3.3%
TOTAL:	15		Friday	3	20.0%	5 PM	1	6.7%	Passenger	20	66.7%
			Tuesday	4	26.7%	4 PM	1	6.7%	Sport utility vehicle (SUV)	4	13.3%
			Thursday	4	26.7%	8 PM	1	6.7%	Tractor w/ semi-trailer	1	3.3%
			TOTAL:	15		7 PM	1	6.7%	Truck – single unit	2	6.7%
						08 AM	1	6.7%	Van/mini van	1	3.3%
						10 PM	1	6.7%	TOTAL:	30	
						09 AM	1	6.7%			
						11 PM	1	6.7%			
						Noon	1	6.7%			
						07 AM	1	6.7%			
						2 PM	1	6.7%			
						1 PM	1	6.7%			
						TOTAL:	15				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Snow	2	13.3%	Daylight	8	53.3%	Wet	4	26.7%	East	5	16.7%
Clear	11	73.3%	Darkness	3	20.0%	Dry	10	66.7%	North	8	26.7%
Rain	2	13.3%	Dusk	2	13.3%	Snow or slush	1	6.7%	South	9	30.0%



Collision Diagram

1/1/2008 to 12/31/2008

Crash Route: TS131 | From MileStation 0.96 to 0.96 | 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>0</u>	<u>10</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	4	36.4%	Tuesday	4	36.4%	07 AM	1	9.1%	Passenger	16	72.7%
11-Rear end	5	45.5%	Wednesday	1	9.1%	10 AM	2	18.2%	Sport utility vehicle (SUV)	4	18.2%
15-Angle	2	18.2%	Thursday	1	9.1%	11 AM	1	9.1%	Van/mini van	2	9.1%
TOTAL:	11		Friday	2	18.2%	Noon	1	9.1%	TOTAL:	22	
			Saturday	1	9.1%	1 PM	1	9.1%			
			Sunday	2	18.2%	3 PM	1	9.1%			
			TOTAL:	11		5 PM	2	18.2%			
					7 PM	1	9.1%				
					8 PM	1	9.1%				
					TOTAL:	11					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	81.8%	Darkness	2	18.2%	Dry	9	81.8%	East	5	22.7%
Rain	1	9.1%	Darkness/Lighted road	2	18.2%	Wet	2	18.2%	North	8	36.4%
Severe cross wind	1	9.1%	Daylight	7	63.6%	TOTAL:	11		Northwest	1	4.5%
TOTAL:	11		TOTAL:	11					South	2	9.1%
									Southwest	1	4.5%
									West	5	22.7%
									TOTAL:	22	



Collision Diagram

1/1/2009 to 12/31/2009

Crash Route: TS131 | From MileStation 0.96 to 0.96 | 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>5</u>	<u>11</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>2</u>	<u>9</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	4	22.2%	Monday	2	11.1%	07 AM	1	5.6%	Bus up to 15 pass	1	2.7%
11-Rear end	9	50.0%	Tuesday	4	22.2%	08 AM	1	5.6%	Passenger	24	64.9%
12-Sideswipe same direction	1	5.6%	Wednesday	2	11.1%	09 AM	1	5.6%	Pickup	1	2.7%
15-Angle	3	16.7%	Thursday	4	22.2%	10 AM	4	22.2%	Sport utility vehicle (SUV)	7	18.9%
1-Pedestrian	1	5.6%	Friday	5	27.8%	11 AM	4	22.2%	Truck – single unit	1	2.7%
TOTAL:	18		Saturday	1	5.6%	1 PM	2	11.1%	Unknown/NA	2	5.4%
			TOTAL:	18		2 PM	3	16.7%	Van/mini van	1	2.7%
						3 PM	1	5.6%	TOTAL:	37	
						6 PM	1	5.6%			
						TOTAL:	18				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	15	83.3%	Daylight	17	94.4%	Dry	13	72.2%	East	8	21.6%
Rain	1	5.6%	Dusk	1	5.6%	Other	1	5.6%	North	7	18.9%
Snow	2	11.1%	TOTAL:	18		Snow or slush	2	11.1%	Northwest	1	2.7%
TOTAL:	18					Wet	2	11.1%	South	4	10.8%
						TOTAL:	18		West	17	45.9%
								TOTAL:	37		



Collision Diagram

1/1/2010 to 12/31/2010

Crash Route: TS131 | From MileStation 0.96 to 0.96 | 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>3</u>	<u>4</u>	<u>0</u>	<u>8</u>	<u>1</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>
10-Turning	4	40.0%	Monday	1	10.0%	07 AM	1	10.0%	Passenger	16	69.6%
11-Rear end	4	40.0%	Wednesday	4	40.0%	08 AM	1	10.0%	Sport utility vehicle (SUV)	7	30.4%
15-Angle	2	20.0%	Thursday	1	10.0%	09 AM	1	10.0%	TOTAL:	23	
TOTAL:	10		Friday	2	20.0%	Noon	2	20.0%			
			Saturday	1	10.0%	3 PM	3	30.0%			
			Sunday	1	10.0%	5 PM	1	10.0%			
			TOTAL:	10		11 PM	1	10.0%			
						TOTAL:	10				
<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	8	80.0%	Darkness	1	10.0%	Dry	7	70.0%	East	2	8.7%
Rain	1	10.0%	Darkness/Lighted road	1	10.0%	Ice	1	10.0%	North	3	13.0%
Snow	1	10.0%	Daylight	8	80.0%	Snow or slush	1	10.0%	South	9	39.1%
TOTAL:	10		TOTAL:	10		Wet	1	10.0%	West	9	39.1%
						TOTAL:	10		TOTAL:	23	



Coordinate Collision Diagram Report

1/1/2011 to 12/31/2011

For XCoordinate 2913775.99983684 : YCoordinate 1895334.00008951 | Foot Tolerance : 30 | 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>2</u>	<u>1</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>4</u>	<u>2</u>	<u>2</u>	<u>0</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	10.0%	Tuesday	2	20.0%	Midnight	1	10.0%	Motorcycle (Over 150cc)	1	5.0%
Fixed Object	1	10.0%	Wednesday	1	10.0%	05 AM	1	10.0%	Passenger	14	70.0%
Head On	1	10.0%	Thursday	2	20.0%	06 AM	1	10.0%	SUV	2	10.0%
Rear End	3	30.0%	Friday	4	40.0%	09 AM	2	20.0%	Unknown	1	5.0%
Turning	4	40.0%	Saturday	1	10.0%	11 AM	1	10.0%	Van/Mini-Van	2	10.0%
TOTAL:	10		TOTAL:	10		Noon	1	10.0%	TOTAL:	20	
						2 PM	1	10.0%			
						5 PM	1	10.0%			
						10 PM	1	10.0%			
						TOTAL:	10				
<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	8	80.0%	Darkness	3	30.0%	Dry	6	60.0%	East	5	25.0%
Rain	1	10.0%	Dawn	2	20.0%	Snow or Slush	1	10.0%	North	3	15.0%
Severe Cross Wind	1	10.0%	Daylight	5	50.0%	Wet	3	30.0%	Northeast	1	5.0%
TOTAL:	10		TOTAL:	10		TOTAL:	10		South	7	35.0%
									Unknown	1	5.0%
									West	3	15.0%
									TOTAL:	20	



Coordinate Collision Diagram Report

1/1/2012 to 12/31/2012

For XCoordinate 2913775.99983684 : YCoordinate 1895334.00008951 | Foot Tolerance : 30 | 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>1</u>	<u>0</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	18.2%	Monday	1	9.1%	06 AM	1	9.1%	Passenger	12	52.2%
Rear End	5	45.5%	Tuesday	3	27.3%	07 AM	1	9.1%	Pickup	1	4.3%
Turning	4	36.4%	Wednesday	1	9.1%	10 AM	1	9.1%	SUV	6	26.1%
TOTAL:	11		Thursday	2	18.2%	Noon	1	9.1%	Tractor With Semi-Trailer	1	4.3%
			Friday	2	18.2%	2 PM	1	9.1%	Van/Mini-Van	3	13.0%
			Saturday	1	9.1%	3 PM	1	9.1%	TOTAL:	23	
			Sunday	1	9.1%	4 PM	2	18.2%			
			TOTAL:	11		5 PM	1	9.1%			
					6 PM	1	9.1%				
					10 PM	1	9.1%				
					TOTAL:	11					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	72.7%	Darkness, Lighted Road	3	27.3%	Dry	8	72.7%	East	5	21.7%
Rain	3	27.3%	Daylight	8	72.7%	Wet	3	27.3%	North	5	21.7%
TOTAL:	11		TOTAL:	11		TOTAL:	11		South	5	21.7%
									Southwest	2	8.7%
									West	6	26.1%
									TOTAL:	23	



Coordinate Collision Diagram Report

1/1/2013 to 12/31/2013

For XCoordinate 2913775.57144921 : YCoordinate 1895334.30502097 | Foot Tolerance : 30 | 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>4</u>	<u>6</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	9.1%	Monday	3	27.3%	07 AM	1	9.1%	Passenger	16	66.7%
Rear End	4	36.4%	Tuesday	2	18.2%	08 AM	1	9.1%	SUV	5	20.8%
Turning	6	54.5%	Wednesday	1	9.1%	09 AM	1	9.1%	Van/Mini-Van	3	12.5%
TOTAL:	11		Thursday	2	18.2%	Noon	1	9.1%	TOTAL:	24	
			Friday	1	9.1%	1 PM	3	27.3%			
			Saturday	2	18.2%	3 PM	2	18.2%			
			TOTAL:	11		5 PM	1	9.1%			
						8 PM	1	9.1%			
						TOTAL:	11				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	7	63.6%	Darkness	1	9.1%	Dry	7	63.6%	East	10	41.7%
Rain	3	27.3%	Darkness/ Lighted Road	1	9.1%	Snow or Slush	1	9.1%	North	5	20.8%
Snow	1	9.1%	Daylight	9	81.8%	Wet	3	27.3%	South	5	20.8%
TOTAL:	11		TOTAL:	11		TOTAL:	11		Southwest	2	8.3%
									West	2	8.3%
									TOTAL:	24	



Coordinate Collision Diagram Report

1/1/2014 to 12/31/2014

For XCoordinate 2913775.9346898 : YCoordinate 1895334.33512815 | Foot Tolerance : 30 | 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>3</u>	<u>1</u>	<u>6</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>4</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	10.0%	Tuesday	2	20.0%	02 AM	1	10.0%	Passenger	14	70.0%
Overturned	1	10.0%	Wednesday	1	10.0%	07 AM	1	10.0%	Pickup	1	5.0%
Rear End	6	60.0%	Thursday	2	20.0%	08 AM	1	10.0%	SUV	4	20.0%
Turning	2	20.0%	Friday	4	40.0%	11 AM	2	20.0%	Tractor With Semi-Trailer	1	5.0%
TOTAL:	10		Sunday	1	10.0%	1 PM	1	10.0%	TOTAL:	20	
			TOTAL:	10		3 PM	1	10.0%			
						5 PM	2	20.0%			
						6 PM	1	10.0%			
						TOTAL:	10				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	80.0%	Darkness	1	10.0%	Dry	10	100.0%	East	3	15.0%
Cloudy/Overcast	2	20.0%	Darkness/ Lighted Road	2	20.0%	TOTAL:	10		North	5	25.0%
TOTAL:	10		Daylight	7	70.0%				South	5	25.0%
			TOTAL:	10					Southeast	1	5.0%
									West	6	30.0%
									TOTAL:	20	



Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2913776.010344 : YCoordinate 1895330.690172 | 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>12</u>	<u>0</u>	<u>2</u>	<u>10</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	7.1%	Monday	2	14.3%	05 AM	1	7.1%	Passenger	21	75.0%
Rear End	4	28.6%	Tuesday	3	21.4%	06 AM	1	7.1%	SUV	6	21.4%
Turning	9	64.3%	Wednesday	1	7.1%	07 AM	1	7.1%	Tractor With Semi-Trailer	1	3.6%
TOTAL:	14		Thursday	3	21.4%	10 AM	1	7.1%	TOTAL:	28	
			Friday	2	14.3%	1 PM	1	7.1%			
			Saturday	1	7.1%	2 PM	1	7.1%			
			Sunday	2	14.3%	3 PM	2	14.3%			
			TOTAL:	14		4 PM	1	7.1%			
					5 PM	1	7.1%				
					6 PM	4	28.6%				
					TOTAL:	14					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	12	85.7%	Darkness, Lighted Road	3	21.4%	Dry	12	85.7%	East	12	42.9%
Snow	2	14.3%	Dawn	1	7.1%	Snow or Slush	1	7.1%	North	8	28.6%
TOTAL:	14		Daylight	9	64.3%	Wet	1	7.1%	South	3	10.7%
			Dusk	1	7.1%	TOTAL:	14		Southwest	2	7.1%
			TOTAL:	14					West	3	10.7%
								TOTAL:	28		



Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2913776.010344 : YCoordinate 1895330.690172 | 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>2</u>	<u>5</u>	<u>5</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>2</u>	<u>8</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	16.7%	Monday	2	16.7%	06 AM	1	8.3%	Passenger	17	70.8%
Rear End	4	33.3%	Tuesday	5	41.7%	1 PM	1	8.3%	Pickup	1	4.2%
Turning	6	50.0%	Friday	3	25.0%	3 PM	2	16.7%	SUV	6	25.0%
TOTAL:	12		Saturday	1	8.3%	5 PM	2	16.7%	TOTAL:	24	
			Sunday	1	8.3%	6 PM	3	25.0%			
			TOTAL:	12		7 PM	1	8.3%			
					9 PM	2	16.7%				
					TOTAL:	12					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	83.3%	Darkness, Lighted Road	7	58.3%	Dry	9	75.0%	East	11	45.8%
Cloudy/Overcast	1	8.3%	Daylight	5	41.7%	Wet	3	25.0%	North	2	8.3%
Rain	1	8.3%	TOTAL:	12		TOTAL:	12		South	5	20.8%
TOTAL:	12								Southeast	2	8.3%
									Southwest	1	4.2%
									West	3	12.5%
									TOTAL:	24	



Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2913776.346 : YCoordinate 1895336.416 | 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	1	1	0	4	0	4	2	2	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	16.7%	Monday	2	33.3%	06 AM	1	16.7%	Passenger	7	53.8%
Fixed Object	1	16.7%	Tuesday	1	16.7%	09 AM	1	16.7%	SUV	5	38.5%
Front to Rear	2	33.3%	Wednesday	1	16.7%	2 PM	1	16.7%	Van/Mini-Van	1	7.7%
Turning	2	33.3%	Thursday	1	16.7%	4 PM	1	16.7%	TOTAL:	13	
TOTAL:	6		Friday	1	16.7%	5 PM	2	33.3%			
			TOTAL:	6		TOTAL:	6				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	4	66.7%	Darkness, Lighted Road	1	16.7%	Dry	5	83.3%	East	4	30.8%
Cloudy/Overcast	1	16.7%	Daylight	5	83.3%	Snow or Slush	1	16.7%	North	4	30.8%
Snow	1	16.7%	TOTAL:	6		TOTAL:	6		Northeast	1	7.7%
TOTAL:	6								South	1	7.7%
									West	3	23.1%
									TOTAL:	13	



Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2913775.933 : YCoordinate 1895334.763 | 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>1</u>	<u>2</u>	<u>10</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	%
Angle	2	15.4%	Monday	2	15.4%	02 AM	1	7.7%	Passenger	17	65.4%
Front to Rear	8	61.5%	Tuesday	1	7.7%	06 AM	1	7.7%	SUV	8	30.8%
Turning	3	23.1%	Wednesday	3	23.1%	07 AM	1	7.7%	Van/Mini-Van	1	3.8%
TOTAL:	13		Thursday	2	15.4%	08 AM	1	7.7%	TOTAL:	26	
			Friday	4	30.8%	11 AM	1	7.7%			
			Saturday	1	7.7%	Noon	2	15.4%			
			TOTAL:	13		1 PM	2	15.4%			
					3 PM	1	7.7%				
					5 PM	2	15.4%				
					8 PM	1	7.7%				
					TOTAL:	13					

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	12	92.3%	Darkness, Lighted Road	2	15.4%	Dry	12	92.3%	East	5	19.2%
Rain	1	7.7%	Daylight	10	76.9%	Wet	1	7.7%	North	5	19.2%
TOTAL:	13		Dusk	1	7.7%	TOTAL:	13		South	5	19.2%
			TOTAL:	13					Southeast	1	3.8%
									Southwest	4	15.4%



Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2913775.933 : YCoordinate 1895334.763 | 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
3	0	0	1	0	2	0	2	0	1	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	33.3%	Tuesday	1	33.3%	4 PM	1	33.3%	Passenger	4	66.7%
Front to Rear	1	33.3%	Thursday	1	33.3%	6 PM	1	33.3%	SUV	2	33.3%
Rear to Front	1	33.3%	Sunday	1	33.3%	7 PM	1	33.3%	TOTAL:	6	
TOTAL:	3		TOTAL:	3		TOTAL:	3				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	3	100.0%	Darkness, Lighted Road	1	33.3%	Dry	3	100.0%	East	3	50.0%
TOTAL:	3		Daylight	2	66.7%	TOTAL:	3		South	1	16.7%
			TOTAL:	3					West	2	33.3%
									TOTAL:	6	



Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2913775.933 : YCoordinate 1895334.763 | 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
3	1	0	1	0	1	1	3	2	1	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Turning	3	100.0%	Tuesday	1	33.3%	1 PM	1	33.3%	Passenger	5	83.3%
TOTAL:	3		Wednesday	1	33.3%	5 PM	1	33.3%	SUV	1	16.7%
			Friday	1	33.3%	6 PM	1	33.3%	TOTAL:	6	
			TOTAL:	3		TOTAL:	3				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	1	33.3%	Darkness, Lighted Road	2	66.7%	Dry	1	33.3%	East	2	33.3%
Cloudy/Overcast	1	33.3%	Daylight	1	33.3%	Snow or Slush	1	33.3%	Northwest	1	16.7%
Snow	1	33.3%	TOTAL:	3		Wet	1	33.3%	South	1	16.7%
TOTAL:	3					TOTAL:	3		Southeast	1	16.7%
									West	1	16.7%
									TOTAL:	6	



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **Wolf Rd and Cermak Rd** 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 2009 shows the period prior to the installation of the RLR camera.

The data from 2010 shows the year in which the camera was installed.

The data from 2011-2020 shows the period following the installation.

	Direction Year	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
Before Installation	2009	30,500	25,000	20,200	15,800	91,500	91,500
	2010	29,100	34,700	19,300	15,800	98,900	
After Installation	2011	29,100	34,700	19,300	15,800	98,900	76,709
	2012	29,100	34,700	19,300	15,800	98,900	
	2013	29,100	34,700	19,300	15,800	98,900	
	2014	12,550	26,600	17,400	15,500	72,050	
	2015	12,550	26,600	17,400	15,500	72,050	
	2016	12,550	26,600	17,400	15,500	72,050	
	2017	12,550	26,600	17,400	15,500	72,050	
	2018	25,600	27,300	16,700	16,700	86,300	
	2019	25,600	27,300	16,700	16,700	86,300	
	2020	25,600	27,300	16,700	16,700	86,300	

Prior to RLR camera installation, in 2009, the combined ADTC was 91,500.

From 2011-2020, post RLR camera installation, the combined average of ADTC was 76,709 - a reduction of 16.16%.

The following page shows the complete ADTC data from 2009-2020 obtained from the IDOT's website.

The traffic numbers below were obtained from the IDOT website during the preparation of the Justification and follow up reports in the past and now per the RLR Guideline document published by the IDOT. Only ADTC values were available, peak numbers were not provided.

November 2009

This information was obtained via the Illinois Department of Transportation website per the RLR Guideline document published by IDOT. Only ADT values were available, peak numbers were not provided.

Wolf Rd ADT

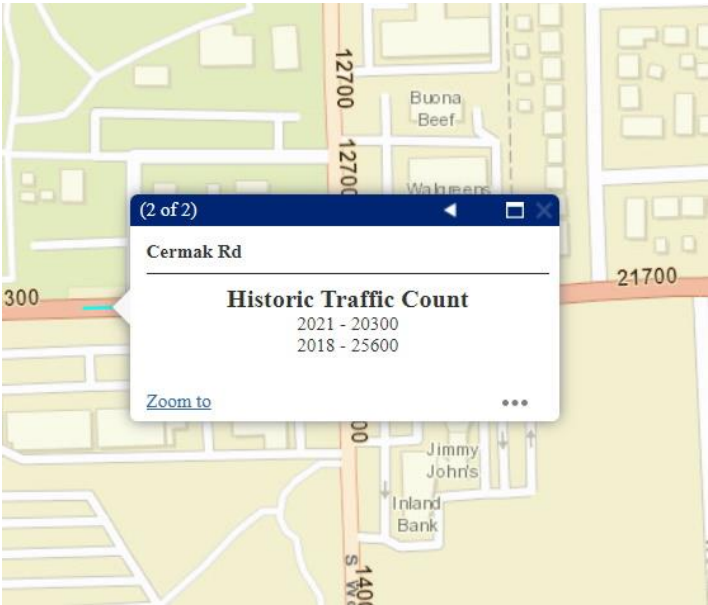
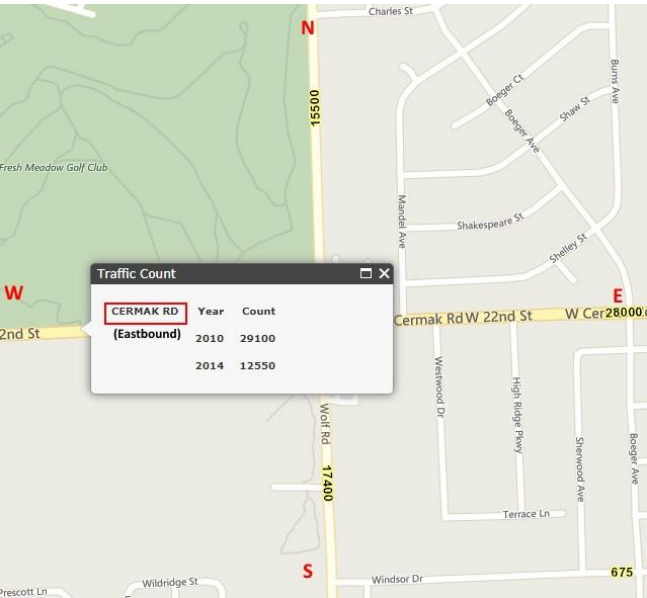
- North of Cermak Rd is 15,800
- South of Cermak Rd is 20,200

Cermak Rd ADT

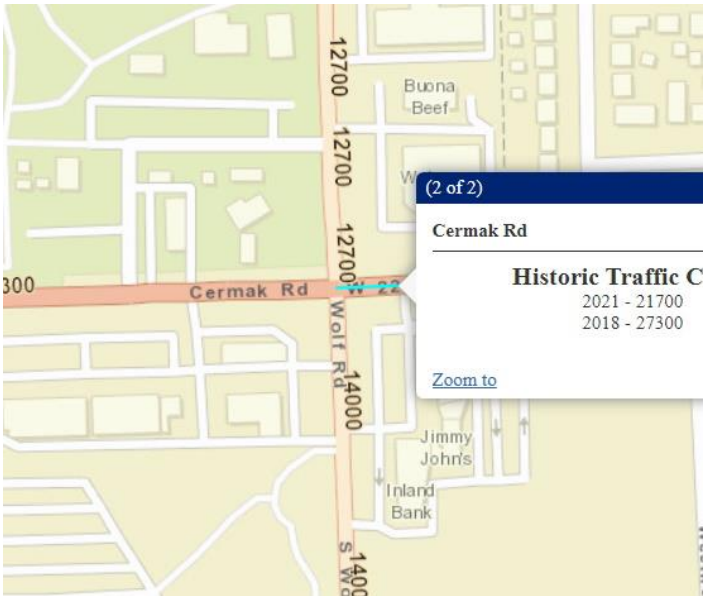
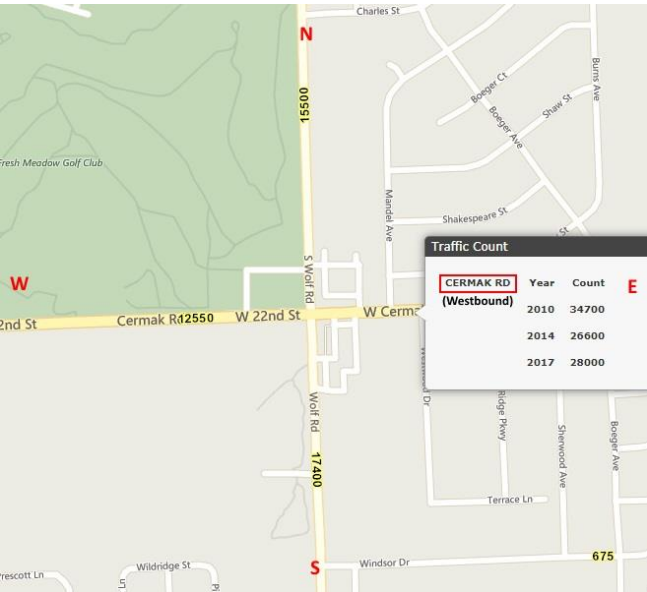
- East of Wolf Rd is 25,000
- West of Wolf Rd is 30,500



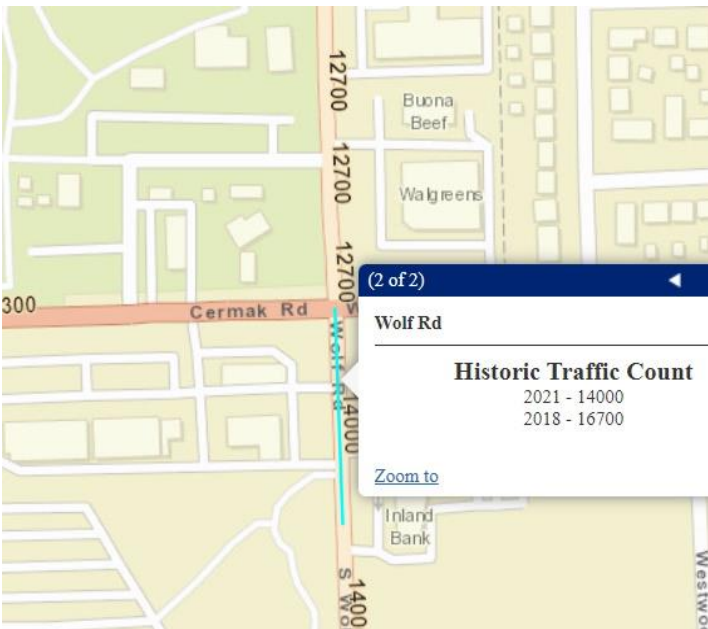
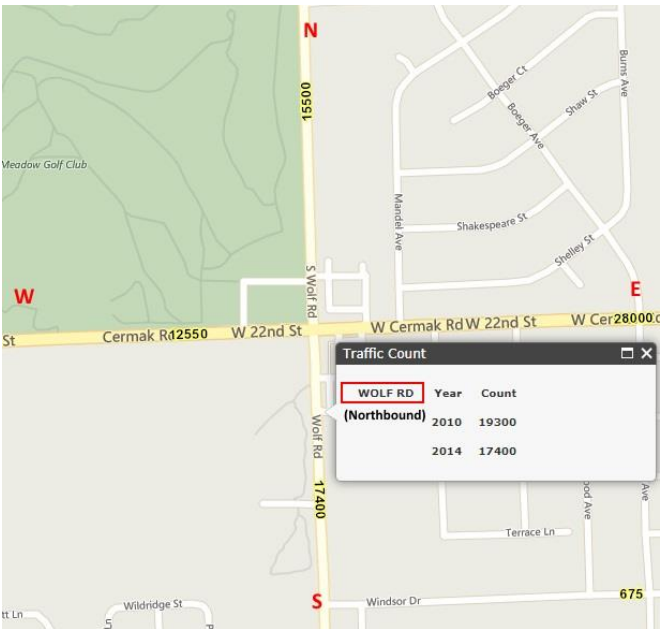
Eastbound ADTC



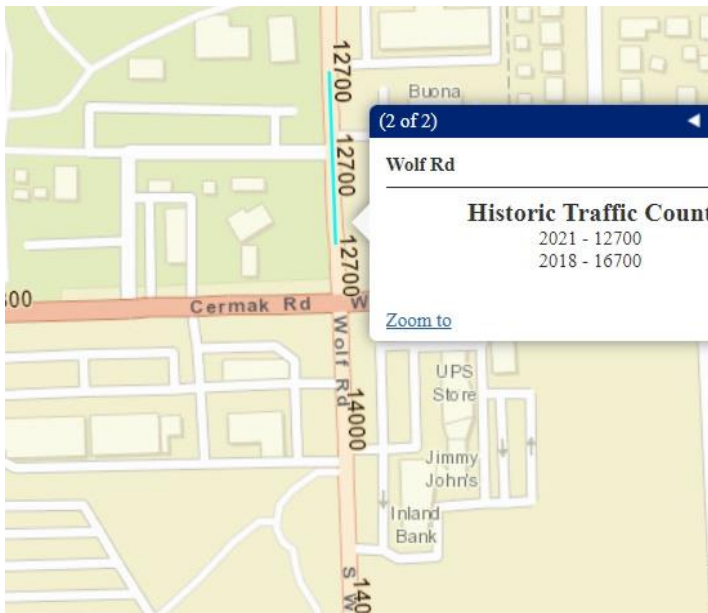
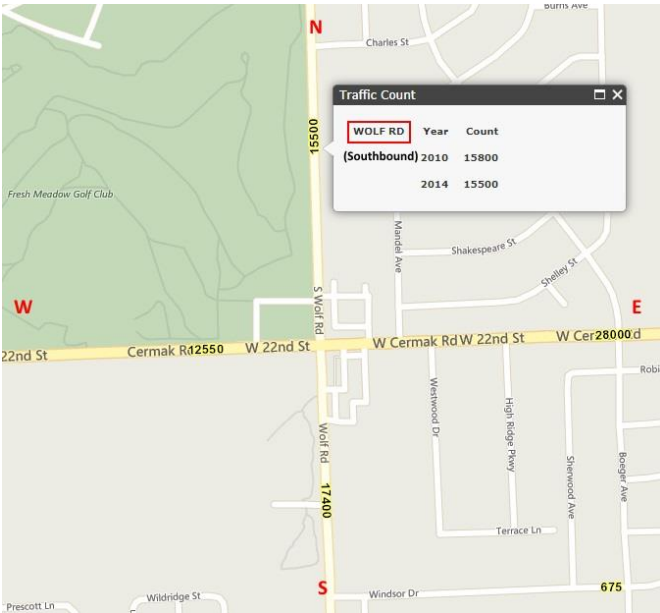
Westbound ADTC



Northbound ADTC



Southbound ADTC





4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Southbound** approach of **Wolf Rd and Cermak Rd** from 2017 to 2020.

	2017	2018	2019	2020
In Person	100	120	146	67
By Mail	182	222	311	106



5. Report Summary and Recommendation

The **Village of Hillside** uses state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **Village of Hillside** 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.

Prior to RLR camera installation, in 2009, the combined ADTC was 91,500. From 2011-2020, post RLR camera installation, the combined average of ADTC was 76,709 - a reduction of 16.16%. (See tab 3)

From 2007-2009, prior to RLR camera installation, there were 44 total crashes; this averages out to 14.67 crashes a year. From 2011-2020, post RLR camera installation, there were 93 total crashes; this averages out to 9.3 crashes per year - a 36.59% 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 36.59% with a reduction of 16.16% 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 Wolf Rd and Cermak Rd in the **Village of Hillside** 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.