



167th St and Pulaski Rd

<Northbound>



Country Club Hills, IL RLR 3 Year Follow-Up Evaluation Report

Reference No: 016-45013

May 2022



John Galvin—Chief of Police
Department of Police

3700 W. 175th Place
Country Club Hills, IL 60478



708-798-3191
Fax: 708-798-1211

June 1, 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
167th St and Pulaski Rd (Northbound)
City of Country Club Hills
Ref #: 016 -45013

Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 Year RLR Follow-Up Evaluation Report for the intersection of 167th St and Pulaski Rd, Country Club Hills, 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 708-798-3191, jgalvin@countryclubhills.org.

Best Regards,

John Galvin
Chief of Police
Country Club Hills 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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2. RLR Crash Data and Analysis
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1. RLR Camera Location, Live Date, System Manufacturer and Contractor

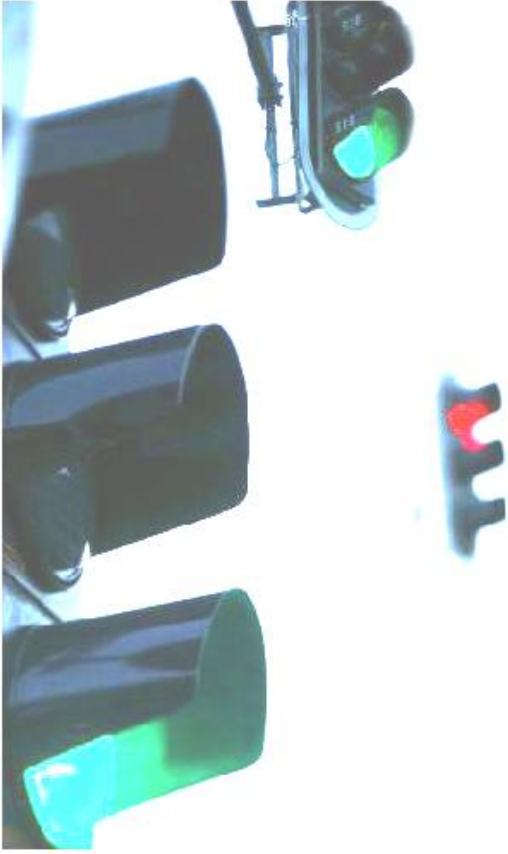
In 2009, the **City of Country Club Hills** received approval from the Illinois Department of Transportation (IDOT) to install a Red Light Running (RLR) camera on the **Northbound** approach at the intersection of **167th St and Pulaski Rd.**

- Date on which the camera went live on the Northbound approach: **04/2009**
- 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: **2020**

No changes were made to the traffic signal timing or any other settings pertaining to operation of traffic signals at this intersection following the camera installation.

Below are the RLR camera system manufacturer and contractor information.

<p>RLR Camera System Manufacturer</p> <p>SafeSpeed, LLC 150 North Wacker Drive Floor 8 Chicago, IL 60606</p> <p>Phone: (877) 237-2331 Fax: (877) 237-2302 Email: info@safespeedllc.com Web: safespeedllc.com</p> <p>Key Contact: Ryan Kim Phone: (312) 924-7248 Email: rkim@safespeedllc.com</p>	<p>Electrical Contractor</p> <p>Meade Electric Company 625 Willowbrook Center Parkway Willowbrook, IL 60527</p> <p>Phone: (708) 588-2500 Fax: (708) 588-2501 Email: info@meadeelectric.com Web: meadeelectric.com</p> <p>Key Contact: Mr. Michael Knutson Phone: (708) 588-2500 Email: mkk@meade100.com</p>
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2. RLR Crash Data and Analysis

The table below shows a summary of motor vehicle crashes at the intersection of **167th St and Pulaski Rd** over a span of 15 years*.

	Angle	Head On/ Overturned	Turning	Rear End	Pedestrian	Sideswipe	Fixed/ Other Object	Other Non Collision	Total
2006	2	1	6	8	0	0	0	1	18
2007	3	0	7	6	0	0	0	0	16
2008	1	0	10	5	0	0	0	0	16
2009	0	0	2	5	0	0	0	0	7
2010	2	1	6	2	0	0	1	0	12
2011	1	0	8	2	0	0	0	0	11
2012	0	0	7	8	0	0	0	0	15
2013	1	0	4	11	0	0	0	0	16
2014	0	1	4	7	0	1	0	0	13
2015	1	0	9	10	0	0	0	0	20
2016	1	0	12	10	0	0	0	0	23
2017	4	0	4	5	0	0	0	0	13
2018	2	0	8	8	0	0	0	0	18
2019	2	1	4	7	0	3	0	0	17
2020	3	0	8	5	1	0	1	0	18

The data from 2006**-2008 shows the period prior to the installation of the RLR camera.

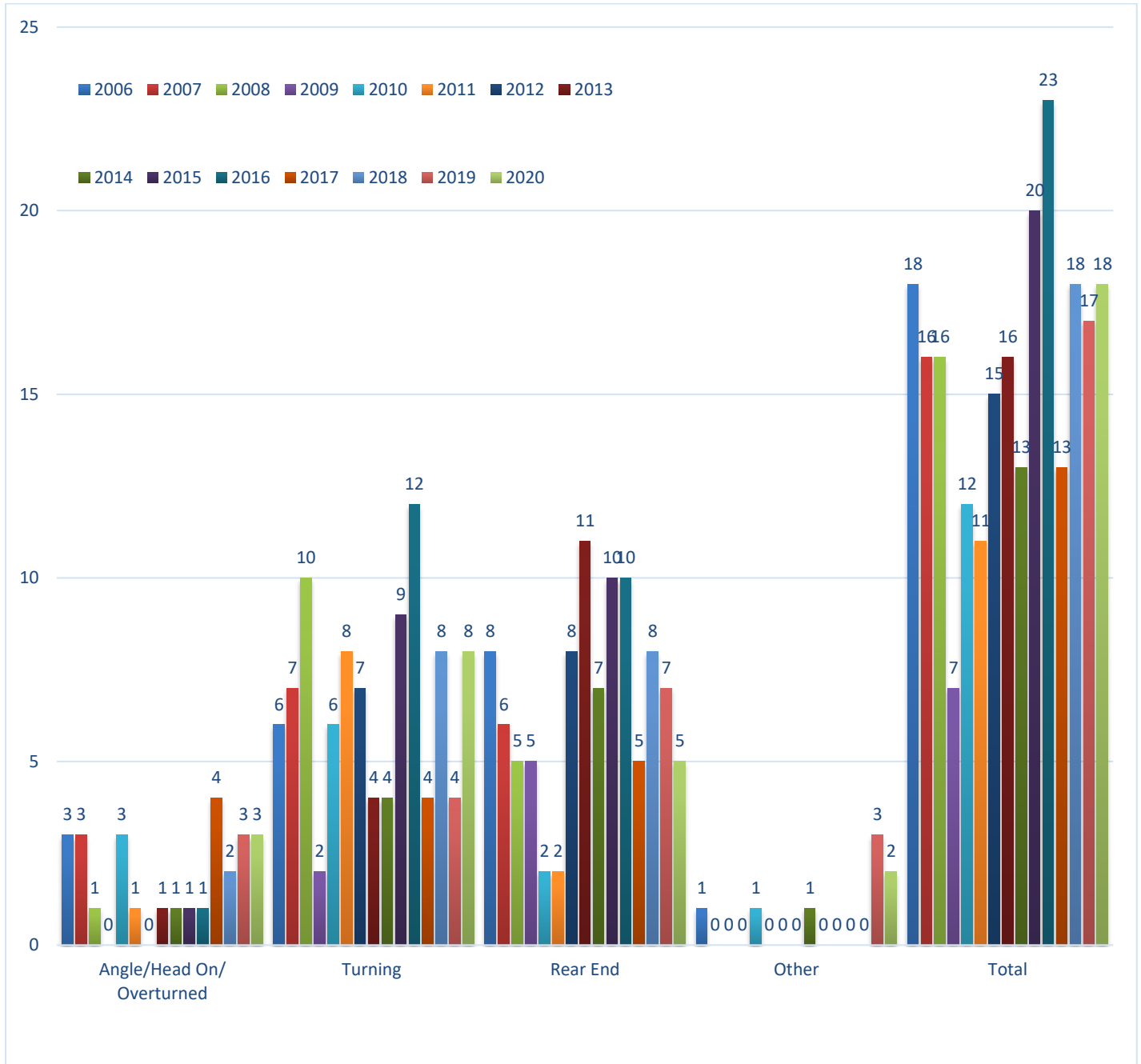
The data from 2009 shows the year in which the camera was installed.

The data from 2010-2020 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 2006-2020.



	Year \ Type	Angle/ Head On/ Overturned	Turning	Rear End	Other*	Total	Yearly Average
Before Installation	2006	3	6	8	1	18	16.67
	2007	3	7	6	0	16	
	2008	1	10	5	0	16	
	2009	0	2	5	0	7	
After Installation	2010	3	6	2	1	12	16
	2011	1	8	2	0	11	
	2012	0	7	8	0	15	
	2013	1	4	11	0	16	
	2014	1	4	7	1	13	
	2015	1	9	10	0	20	
	2016	1	12	10	0	23	
	2017	4	4	5	0	13	
	2018	2	8	8	0	18	
	2019	3	4	7	3	17	
	2020	3	8	5	2	18	

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

From 2006-2008, prior to RLR camera installation, there were 50 total crashes; this averages out to 16.67 crashes a year.

From 2010-2020, post RLR camera installation, there were 176 total crashes; this averages out to 16 crashes per year - a 4% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2006-2020. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.

**IL Department of Transportation --- Div of Traffic Safety
Collision Diagram Report**

Database: CISReports

09/22/2008

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01/01/2006 to 12/31/2006

Route: 8115 From MileStation 5.63 to 5.63

County: COOK

Intersection Related

TOTAL	FATAL	INJURY	PROPERTY DAMAGE	TOTAL KILLED	TOTAL INJURED	A	B	C
18	0	4	14	0	7	0	2	5

Type of Crash	Total	%	Day of Week	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	11.11%	Sunday	1	5.56%	1 AM	1	5.56%	Other	1	2.63%
Head on	1	5.56%	Tuesday	6	33.33%	2 AM	2	11.11%	Passenger	24	63.16%
Other non collision	1	5.56%	Thursday	1	5.56%	4 AM	1	5.56%	Pickup	2	5.26%
Rear end	8	44.44%	Friday	7	38.89%	5 AM	1	5.56%	SUV	3	7.89%
Turning	6	33.33%	Saturday	3	16.67%	11 AM	1	5.56%	Tractor with Semi-Trailer	1	2.63%
						Noon	1	5.56%	Tractor without Semi-Trailer	1	2.63%
						1 PM	1	5.56%	Truck Single Unit	2	5.26%
						2 PM	1	5.56%	Unknown	1	2.63%
						3 PM	1	5.56%	Van/Mini-Van	3	7.89%
						4 PM	2	11.11%			
						5 PM	3	16.67%			
						9 PM	1	5.56%			
						11 PM	2	11.11%			
TOTAL:	18		TOTAL:	18		TOTAL:	18		TOTAL:	38	

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	Vehicle DIR	Total	%
Clear	14	77.78%	Darkness	1	5.56%	Dry	17	94.4	East	11	28.95%
Fog/Smoke/Haze	1	5.56%	Darkness, Lighted Road	6	33.33%	Wet	1	5.5	North	6	15.79%
Snow	2	11.11%	Daylight	11	61.11%				Northwest	1	2.63%
Unknown	1	5.56%						South	7	18.42%	
								Southeast	1	2.63%	
								West	12	31.58%	
TOTAL:	18		TOTAL:	18		TOTAL:	18		TOTAL:	38	

**IL Department of Transportation --- Div of Traffic Safety
Collision Diagram Report**

Database: CISReports

09/22/2008

Page 4 of 4

01/01/2007 to 12/31/2007

Route: 8115 From MileStation 5.63 to 5.63

County: COOK

Intersection Related

TOTAL	FATAL	INJURY	PROPERTY DAMAGE	TOTAL KILLED	TOTAL INJURED	A	B	C
<u>16</u>	<u>0</u>	<u>6</u>	<u>10</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>2</u>	<u>8</u>

<i>Type of Crash</i>	<i>Total</i>	<i>%</i>	<i>Day of Week</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	3	18.75%	Sunday	3	18.75%	6 AM	1	6.25%	Passenger	25	71.43%
Rear end	6	37.50%	Monday	4	25.00%	7 AM	1	6.25%	Pickup	1	2.86%
Turning	7	43.75%	Tuesday	1	6.25%	8 AM	3	18.75%	SUV	4	11.43%
			Thursday	3	18.75%	9 AM	1	6.25%	Van/Mini-Van	5	14.29%
			Friday	2	12.50%	Noon	1	6.25%			
			Saturday	3	18.75%	1 PM	1	6.25%			
						2 PM	1	6.25%			
						5 PM	1	6.25%			
						6 PM	3	18.75%			
						8 PM	1	6.25%			
						10 PM	1	6.25%			
						11 PM	1	6.25%			
TOTAL:	16		TOTAL:	16		TOTAL:	16		TOTAL:	35	

<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>Vehicle DIR</i>	<i>Total</i>	<i>%</i>
Clear	14	87.50%	Darkness, Lighted Road	5	31.25%	Dry	12	75.0	East	13	37.14%
Rain	1	6.25%	Daylight	11	68.75%	Ice	2	12.5	North	9	25.71%
Snow	1	6.25%				Wet	2	12.5	Northeast	2	5.71%
									South	5	14.29%
									Southwest	1	2.86%
									West	5	14.29%
TOTAL:	16		TOTAL:	16		TOTAL:	16		TOTAL:	35	

Collision Diagram

1/1/2008 to 12/31/2008

Crash Route: TS115 | From MileStation 5.63 to 5.63 | 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	3	12	0	5	0	1	4

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	10	62.5%	Monday	1	6.3%	02 AM	1	6.3%	Passenger	22	66.7%
11-Rear end	5	31.3%	Tuesday	2	12.5%	04 AM	1	6.3%	Pickup	3	9.1%
15-Angle	1	6.3%	Thursday	3	18.8%	10 AM	2	12.5%	Sport utility vehicle (SUV)	5	15.2%
TOTAL:	16		Friday	3	18.8%	11 AM	1	6.3%	Van/mini van	3	9.1%
			Saturday	6	37.5%	Noon	1	6.3%	TOTAL:	33	
			Sunday	1	6.3%	2 PM	2	12.5%			
			TOTAL:	16		3 PM	1	6.3%			
						4 PM	1	6.3%			
						5 PM	2	12.5%			
						9 PM	1	6.3%			
						10 PM	1	6.3%			
						11 PM	2	12.5%			
						TOTAL:	16				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	56.3%	Darkness	4	25.0%	Dry	6	37.5%	East	14	42.4%
Rain	3	18.8%	Darkness/Lighted road	4	25.0%	Snow or slush	4	25.0%	North	5	15.2%
Snow	4	25.0%	Dawn	1	6.3%	Wet	6	37.5%	Northeast	2	6.1%
TOTAL:	16		Daylight	7	43.8%	TOTAL:	16		Northwest	1	3.0%
			TOTAL:	16					South	5	15.2%
									Southeast	1	3.0%

Collision Diagram

1/1/2009 to 12/31/2009

Crash Route: TS115 | From MileStation 5.63 to 5.63 | 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
7	0	0	2	1	4	0	3	0	2	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	2	28.6%	Monday	1	14.3%	01 AM	1	14.3%	Passenger	8	57.1%
11-Rear end	5	71.4%	Friday	3	42.9%	07 AM	1	14.3%	Sport utility vehicle (SUV)	4	28.6%
TOTAL:	7		Saturday	2	28.6%	1 PM	2	28.6%	Truck - single unit	1	7.1%
			Sunday	1	14.3%	3 PM	1	14.3%	Van/mini van	1	7.1%
			TOTAL:	7		6 PM	1	14.3%	TOTAL:	14	
						8 PM	1	14.3%			
						TOTAL:	7				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	5	71.4%	Darkness	2	28.6%	Dry	4	57.1%	East	6	42.9%
Fog/smoke/haze	1	14.3%	Darkness/Lighted road	1	14.3%	Unknown	1	14.3%	North	6	42.9%
Rain	1	14.3%	Daylight	4	57.1%	Wet	2	28.6%	South	1	7.1%
TOTAL:	7		TOTAL:	7		TOTAL:	7		West	1	7.1%
									TOTAL:	14	

Coordinate Collision Diagram Report

1/1/2010 to 12/31/2010

For XCoordinate 2967589.00015025 : YCoordinate 1801283.99986967 | 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>12</u>	<u>0</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>0</u>	<u>12</u>	<u>2</u>	<u>9</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	16.7%	Tuesday	1	8.3%	Midnight	1	8.3%	Motorcycle (Over 150cc)	1	4.5%
Fixed Object	1	8.3%	Wednesday	1	8.3%	07 AM	1	8.3%	Passenger	12	54.5%
Overtaken	1	8.3%	Thursday	3	25.0%	08 AM	3	25.0%	Pickup	2	9.1%
Rear End	2	16.7%	Friday	1	8.3%	2 PM	1	8.3%	SUV	4	18.2%
Turning	6	50.0%	Saturday	5	41.7%	4 PM	1	8.3%	Tractor With Semi-Trailer	1	4.5%
TOTAL:	12		Sunday	1	8.3%	6 PM	1	8.3%	Truck Single Unit	1	4.5%
			TOTAL:	12		8 PM	4	33.3%	Van/Mini-Van	1	4.5%
						TOTAL:	12		TOTAL:	22	

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	5	41.7%	Darkness	1	8.3%	Dry	6	50.0%	East	1	4.5%
Other	1	8.3%	Darkness, Lighted Road	5	41.7%	Ice	1	8.3%	North	7	31.8%
Rain	2	16.7%	Daylight	6	50.0%	Snow or Slush	2	16.7%	Northeast	1	4.5%
Snow	4	33.3%	TOTAL:	12		Wet	3	25.0%	Northwest	2	9.1%
TOTAL:	12					TOTAL:	12		South	6	27.3%
									West	5	22.7%
									TOTAL:	22	



Coordinate Collision Diagram Report

1/1/2011 to 12/31/2011

For XCoordinate 2967589.00015025 : YCoordinate 1801283.99986967 | 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>4</u>	<u>1</u>	<u>5</u>	<u>0</u>	<u>15</u>	<u>1</u>	<u>9</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	9.1%	Monday	3	27.3%	01 AM	1	9.1%	Passenger	17	77.3%
Rear End	2	18.2%	Tuesday	1	9.1%	05 AM	2	18.2%	Pickup	1	4.5%
Turning	8	72.7%	Wednesday	2	18.2%	08 AM	1	9.1%	SUV	1	4.5%
TOTAL:	11		Thursday	1	9.1%	09 AM	2	18.2%	Tractor With Semi-Trailer	1	4.5%
			Saturday	2	18.2%	5 PM	1	9.1%	Van/Mini-Van	2	9.1%
			Sunday	2	18.2%	6 PM	2	18.2%	TOTAL:	22	
			TOTAL:	11		7 PM	1	9.1%			
						9 PM	1	9.1%			
						TOTAL:	11				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	90.9%	Darkness, Lighted Road	2	18.2%	Dry	8	72.7%	East	4	18.2%
Rain	1	9.1%	Dawn	2	18.2%	Wet	3	27.3%	North	8	36.4%
TOTAL:	11		Daylight	6	54.5%	TOTAL:	11		Northwest	2	9.1%
			Dusk	1	9.1%				South	4	18.2%
			TOTAL:	11					Southeast	1	4.5%
									West	3	13.6%
									TOTAL:	22	



Coordinate Collision Diagram Report

1/1/2012 to 12/31/2012

For XCoordinate 2967589.00015025 : YCoordinate 1801283.99986967 | 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>15</u>	<u>0</u>	<u>0</u>	<u>5</u>	<u>4</u>	<u>6</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>7</u>	<u>11</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	8	53.3%	Wednesday	2	13.3%	Midnight	2	13.3%	Passenger	24	80.0%
Turning	7	46.7%	Friday	6	40.0%	10 AM	1	6.7%	Pickup	1	3.3%
TOTAL:	15		Saturday	4	26.7%	Noon	1	6.7%	SUV	3	10.0%
			Sunday	3	20.0%	2 PM	3	20.0%	Van/Mini-Van	2	6.7%
			TOTAL:	15		3 PM	2	13.3%	TOTAL:	30	
						5 PM	1	6.7%			
						6 PM	1	6.7%			
						7 PM	1	6.7%			
						11 PM	3	20.0%			
						TOTAL:	15				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	12	80.0%	Darkness	2	13.3%	Dry	12	80.0%	East	13	43.3%
Rain	2	13.3%	Darkness, Lighted Road	5	33.3%	Snow or Slush	1	6.7%	North	7	23.3%
Snow	1	6.7%	Daylight	8	53.3%	Wet	2	13.3%	Northwest	1	3.3%
TOTAL:	15		TOTAL:	15		TOTAL:	15		South	2	6.7%
									Southwest	1	3.3%
									West	6	20.0%
									TOTAL:	30	

Coordinate Collision Diagram Report

1/1/2013 to 12/31/2013

For XCoordinate 2967588.55526925 : YCoordinate 1801284.43129926 | 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>16</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>3</u>	<u>9</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>7</u>	<u>7</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	6.3%	Monday	2	12.5%	01 AM	1	6.3%	Bus Up to 15 Passengers	1	2.8%
Rear End	11	68.8%	Tuesday	2	12.5%	06 AM	1	6.3%	Passenger	23	63.9%
Turning	4	25.0%	Thursday	1	6.3%	09 AM	1	6.3%	SUV	7	19.4%
TOTAL:	16		Friday	3	18.8%	2 PM	1	6.3%	Van/Mini-Van	5	13.9%
			Saturday	2	12.5%	3 PM	2	12.5%	TOTAL:	36	
			Sunday	6	37.5%	4 PM	2	12.5%			
			TOTAL:	16		5 PM	2	12.5%			
						6 PM	2	12.5%			
						8 PM	2	12.5%			
						9 PM	1	6.3%			
						11 PM	1	6.3%			
						TOTAL:	16				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	14	87.5%	Darkness/ Lighted Road	6	37.5%	Dry	12	75.0%	East	20	55.6%
Rain	2	12.5%	Daylight	8	50.0%	Wet	4	25.0%	North	5	13.9%
TOTAL:	16		Dusk	2	12.5%	TOTAL:	16		South	7	19.4%
			TOTAL:	16					Southwest	1	2.8%
									Unknown	1	2.8%

Coordinate Collision Diagram Summary

1/1/2014 to 12/31/2014

For XCoordinate 2967588.55526925 : YCoordinate 1801284.43129926 | 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>13</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>11</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	%
Head On	1	7.7%	Wednesday	1	7.7%	Midnight	1	7.7%	Passenger	16	59.3%
Rear End	7	53.8%	Thursday	2	15.4%	01 AM	1	7.7%	Pickup	1	3.7%
Sideswipe Same Direction	1	7.7%	Friday	4	30.8%	05 AM	1	7.7%	SUV	6	22.2%
Turning	4	30.8%	Saturday	6	46.2%	08 AM	1	7.7%	Tractor With Semi-Trailer	1	3.7%
TOTAL:	13		TOTAL:	13		09 AM	2	15.4%	Van/Mini-Van	3	11.1%
						10 AM	1	7.7%	TOTAL:	27	
						Noon	1	7.7%			
						6 PM	1	7.7%			
						10 PM	4	30.8%			
						TOTAL:	13				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	4	30.8%	Darkness/ Lighted Road	8	61.5%	Dry	4	30.8%	East	10	37.0%
Cloudy/Overcast	2	15.4%	Dawn	1	7.7%	Ice	2	15.4%	North	7	25.9%
Rain	2	15.4%	Daylight	4	30.8%	Snow or Slush	5	38.5%	Northeast	1	3.7%
Sleet/Hail	1	7.7%	TOTAL:	13		Wet	2	15.4%	South	1	3.7%
Snow	4	30.8%				TOTAL:	13		Southeast	1	3.7%
TOTAL:	13								West	7	25.9%
									TOTAL:	27	

Notes

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2967588.7658 : YCoordinate 1801284.43729 | 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>3</u>	<u>2</u>	<u>2</u>	<u>13</u>	<u>0</u>	<u>15</u>	<u>3</u>	<u>6</u>	<u>6</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	5.0%	Monday	2	10.0%	Midnight	1	5.0%	Passenger	25	59.5%
Rear End	10	50.0%	Wednesday	1	5.0%	02 AM	1	5.0%	Pickup	2	4.8%
Turning	9	45.0%	Thursday	4	20.0%	06 AM	1	5.0%	SUV	9	21.4%
TOTAL:	20		Friday	3	15.0%	07 AM	1	5.0%	Tractor With Semi-Trailer	1	2.4%
			Saturday	7	35.0%	09 AM	1	5.0%	Unknown	2	4.8%
			Sunday	3	15.0%	10 AM	1	5.0%	Van/Mini-Van	3	7.1%
			TOTAL:	20		11 AM	1	5.0%	TOTAL:	42	
						Noon	1	5.0%			
						1 PM	1	5.0%			
						3 PM	3	15.0%			
						4 PM	1	5.0%			
						5 PM	4	20.0%			
						6 PM	1	5.0%			
						8 PM	1	5.0%			
						9 PM	1	5.0%			
						TOTAL:	20				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	16	80.0%	Darkness	2	10.0%	Dry	17	85.0%	East	18	42.9%

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2967588.7658 : YCoordinate 1801284.43729 | 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>23</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>17</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>
Angle	1	4.3%	Monday	2	8.7%	05 AM	2	8.7%	Passenger	29	55.8%
Rear End	10	43.5%	Tuesday	2	8.7%	07 AM	1	4.3%	Pickup	4	7.7%
Turning	12	52.2%	Wednesday	4	17.4%	Noon	2	8.7%	SUV	12	23.1%
TOTAL:	23		Thursday	4	17.4%	1 PM	1	4.3%	Truck Single Unit	1	1.9%
			Friday	3	13.0%	2 PM	1	4.3%	Unknown	3	5.8%
			Saturday	6	26.1%	3 PM	1	4.3%	Van/Mini-Van	3	5.8%
			Sunday	2	8.7%	4 PM	1	4.3%	TOTAL:	52	
			TOTAL:	23		5 PM	1	4.3%			
						6 PM	6	26.1%			
						8 PM	1	4.3%			
						9 PM	1	4.3%			
						10 PM	4	17.4%			
						11 PM	1	4.3%			
						TOTAL:	23				
<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	17	73.9%	Darkness	4	17.4%	Dry	19	82.6%	East	15	28.8%
Cloudy/Overcast	1	4.3%	Darkness, Lighted Road	9	39.1%	Wet	4	17.4%	North	9	17.3%
Fog/Smoke/Haze	1	4.3%	Daylight	9	39.1%	TOTAL:	23		Northwest	6	11.5%

Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2967588.7658 : YCoordinate 1801284.43729 | 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>4</u>	<u>8</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	4	30.8%	Monday	1	7.7%	07 AM	1	7.7%	Passenger	18	69.2%
Rear End	5	38.5%	Wednesday	3	23.1%	09 AM	1	7.7%	Pickup	1	3.8%
Turning	4	30.8%	Thursday	2	15.4%	10 AM	1	7.7%	SUV	4	15.4%
TOTAL:	13		Friday	1	7.7%	1 PM	1	7.7%	Van/Mini-Van	3	11.5%
			Saturday	3	23.1%	3 PM	3	23.1%	TOTAL:	26	
			Sunday	3	23.1%	4 PM	2	15.4%			
			TOTAL:	13		5 PM	1	7.7%			
						7 PM	2	15.4%			
						8 PM	1	7.7%			
						TOTAL:	13				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	69.2%	Darkness	1	7.7%	Dry	8	61.5%	East	7	26.9%
Rain	3	23.1%	Darkness, Lighted Road	2	15.4%	Snow or Slush	1	7.7%	North	6	23.1%
Snow	1	7.7%	Daylight	8	61.5%	Unknown	1	7.7%	Northeast	1	3.8%
TOTAL:	13		Dusk	2	15.4%	Wet	3	23.1%	South	9	34.6%
			TOTAL:	13		TOTAL:	13		West	3	11.5%
									TOTAL:	26	

Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2967589.415 : YCoordinate 1801284.031 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
<u>18</u>	<u>0</u>	<u>1</u>	<u>3</u>	<u>2</u>	<u>12</u>	<u>0</u>	<u>8</u>	<u>2</u>	<u>4</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	11.1%	Monday	5	27.8%	05 AM	1	5.6%	Passenger	21	55.3%
Front to Rear	8	44.4%	Tuesday	5	27.8%	06 AM	1	5.6%	Pickup	5	13.2%
Turning	8	44.4%	Thursday	1	5.6%	11 AM	1	5.6%	SUV	8	21.1%
TOTAL:	18		Friday	3	16.7%	Noon	1	5.6%	Tractor With Semi-Trailer	2	5.3%
			Saturday	2	11.1%	1 PM	2	11.1%	Van/Mini-Van	2	5.3%
			Sunday	2	11.1%	2 PM	2	11.1%	TOTAL:	38	
			TOTAL:	18		3 PM	2	11.1%			
						4 PM	1	5.6%			
						5 PM	2	11.1%			
						6 PM	1	5.6%			
						7 PM	2	11.1%			
						9 PM	1	5.6%			
						10 PM	1	5.6%			
						TOTAL:	18				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	14	77.8%	Darkness	1	5.6%	Dry	12	66.7%	East	21	55.3%
Cloudy/Overcast	1	5.6%	Darkness, Lighted Road	3	16.7%	Ice	1	5.6%	North	2	5.3%
Other	1	5.6%			Snow or Slush	1	5.6%	Northeast	1	2.6%	

Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2967589.415 : YCoordinate 1801284.031 | 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>17</u>	<u>1</u>	<u>0</u>	<u>4</u>	<u>1</u>	<u>11</u>	<u>1</u>	<u>10</u>	<u>1</u>	<u>6</u>	<u>3</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	11.8%	Monday	2	11.8%	Midnight	1	5.9%	Passenger	23	60.5%
Front to Front	1	5.9%	Tuesday	2	11.8%	01 AM	1	5.9%	Pickup	3	7.9%
Front to Rear	7	41.2%	Wednesday	2	11.8%	05 AM	1	5.9%	SUV	10	26.3%
Sideswipe Opposite Direction	1	5.9%	Thursday	1	5.9%	06 AM	1	5.9%	Tractor With Semi-Trailer	1	2.6%
Sideswipe Same Direction	2	11.8%	Friday	1	5.9%	09 AM	1	5.9%	Van/Mini-Van	1	2.6%
Turning	4	23.5%	Saturday	3	17.6%	10 AM	2	11.8%	TOTAL:	38	
TOTAL:	17		Sunday	6	35.3%	11 AM	1	5.9%			
			TOTAL:	17		1 PM	1	5.9%			
						2 PM	2	11.8%			
						3 PM	1	5.9%			
						6 PM	3	17.6%			
						7 PM	1	5.9%			
						11 PM	1	5.9%			
						TOTAL:	17				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	58.8%	Darkness	1	5.9%	Dry	9	52.9%	East	8	21.1%
Cloudy/Overcast	2	11.8%	Darkness, Lighted Road	6	35.3%	Snow or Slush	2	11.8%	North	12	31.6%
Rain	3	17.6%	Dawn	1	5.9%				Northwest	1	2.6%

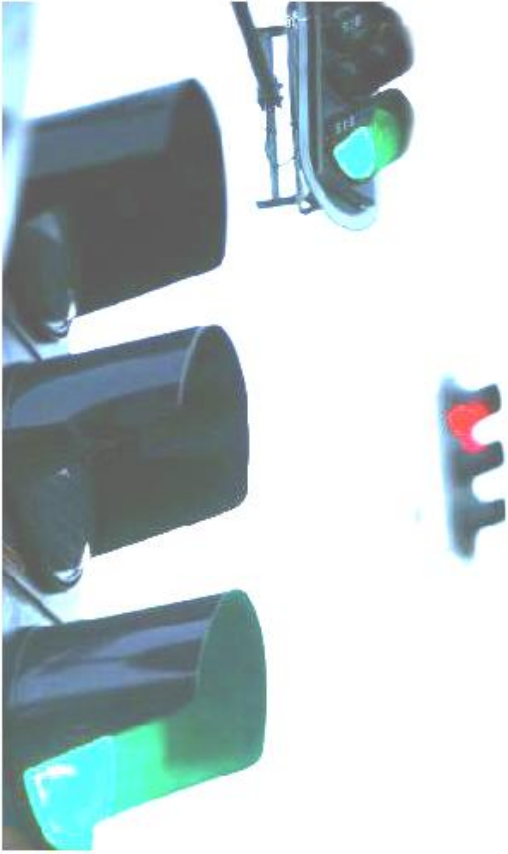
Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2967589.415 : YCoordinate 1801284.031 | 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>5</u>	<u>4</u>	<u>9</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>7</u>	<u>13</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	16.7%	Monday	2	11.1%	02 AM	1	5.6%	Other Vehicle With Trailer	1	2.8%
Front to Rear	5	27.8%	Tuesday	3	16.7%	04 AM	1	5.6%	Passenger	25	69.4%
Other Object	1	5.6%	Wednesday	3	16.7%	08 AM	1	5.6%	Pickup	3	8.3%
Pedestrian	1	5.6%	Thursday	1	5.6%	09 AM	1	5.6%	SUV	5	13.9%
Turning	8	44.4%	Friday	3	16.7%	10 AM	2	11.1%	Unknown	1	2.8%
TOTAL:	18		Saturday	3	16.7%	11 AM	2	11.1%	Van/Mini-Van	1	2.8%
			Sunday	3	16.7%	Noon	1	5.6%	TOTAL:	36	
			TOTAL:	18		1 PM	1	5.6%			
						2 PM	1	5.6%			
						3 PM	1	5.6%			
						4 PM	2	11.1%			
						5 PM	1	5.6%			
						6 PM	1	5.6%			
						7 PM	1	5.6%			
						9 PM	1	5.6%			
						TOTAL:	18				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	10	55.6%	Darkness	2	11.1%	Dry	11	61.1%	East	11	30.6%



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **167th St and Pulaski Rd** over a span of 13 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 2008 shows the period prior to the installation of the RLR camera.

The data from 2009 shows the year in which the camera was installed.

The data from 2010-2020 shows the period following the installation.

	Direction Year	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
Before Installation	2008	13,900	13,900	21,300	12,600	61,700	61,700
	2009	13,900	13,900	21,300	12,600	61,700	
After Installation	2010	17,300	17,300	22,400	13,300	70,300	70,782
	2011	17,300	17,300	22,400	13,300	70,300	
	2012	17,300	17,300	22,400	13,300	70,300	
	2013	17,300	17,300	22,400	13,300	70,300	
	2014	23,500	23,500	17,600	12,200	76,800	
	2015	23,500	23,500	17,600	12,200	76,800	
	2016	23,500	23,500	17,600	12,200	76,800	
	2017	23,500	23,500	17,600	12,200	76,800	
	2018	16,000	16,000	18,900	12,500	63,400	
	2019	16,000	16,000	18,900	12,500	63,400	
2020	16,000	16,000	18,900	12,500	63,400		

In 2008, prior to RLR camera installation, the combined ADTC was 61,700.

From 2010-2020, post RLR camera installation, the combined average of ADTC was 70,782 – an increase of 14.72%.

The following pages show the complete ADTC data from 2008-2020 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.

2008

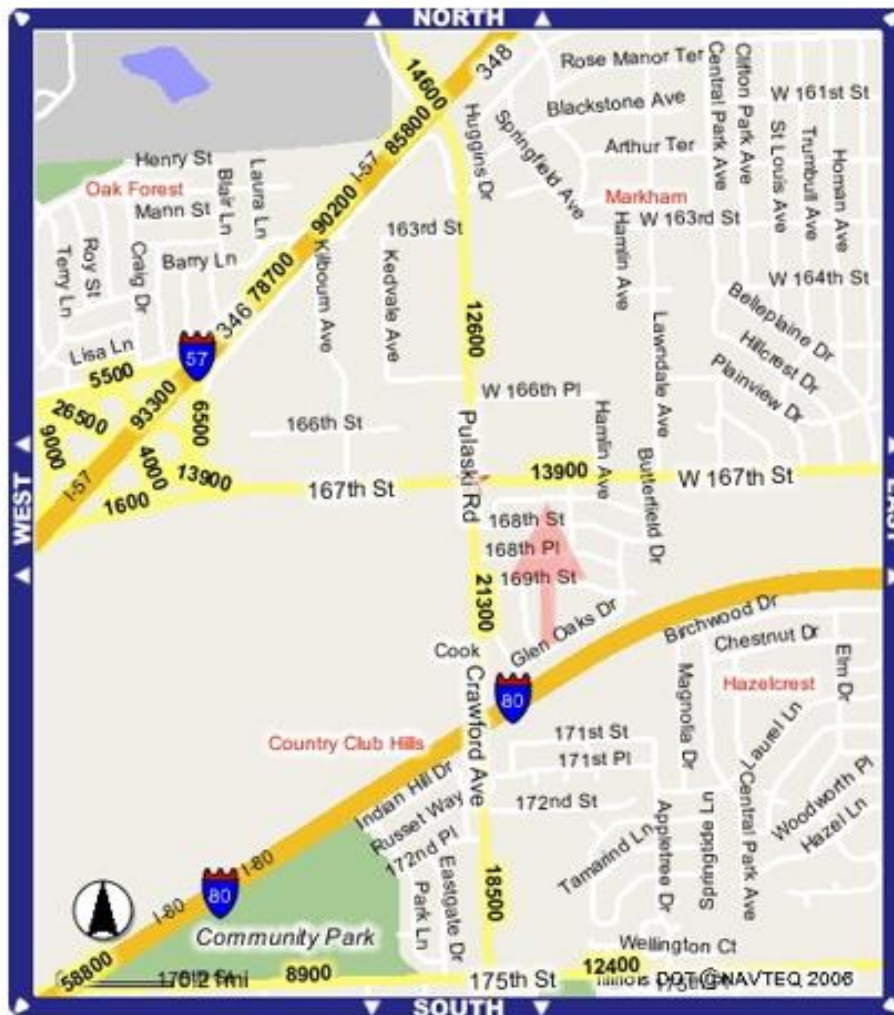
The average daily traffic count (ADTC) below were obtained from the IDOT website per the RLR Guideline document published by the IDOT. Only ADT values were available, peak numbers were not provided.

167th St ADTC

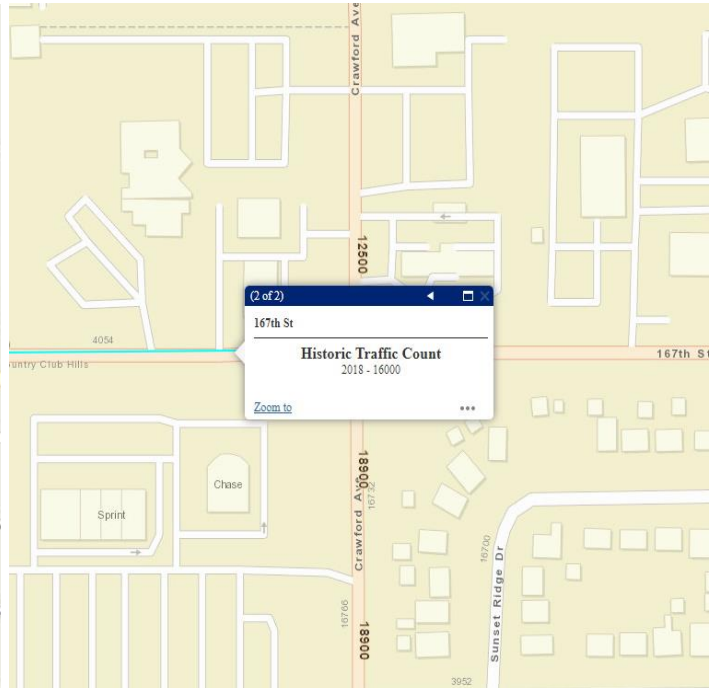
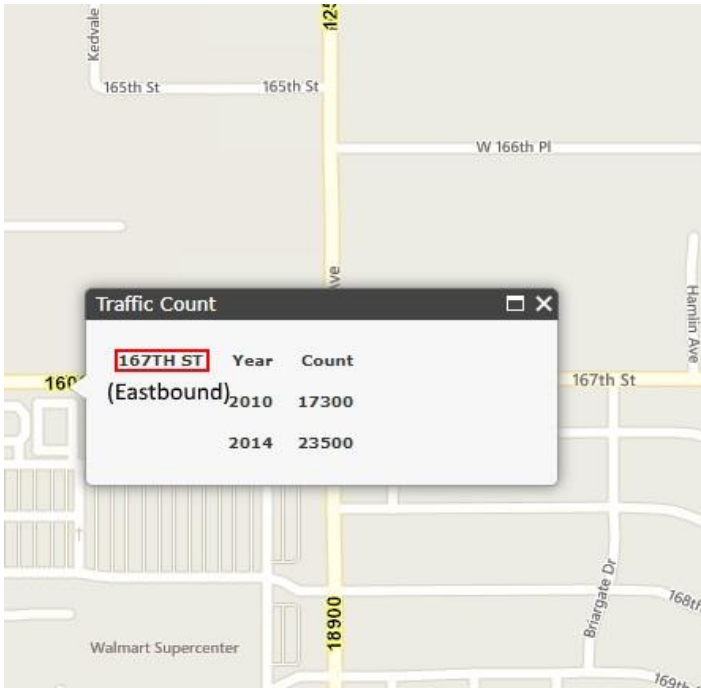
- Eastbound: 13,900
- Westbound: 13,900

Pulaski Rd (Crawford Avenue) ADTC

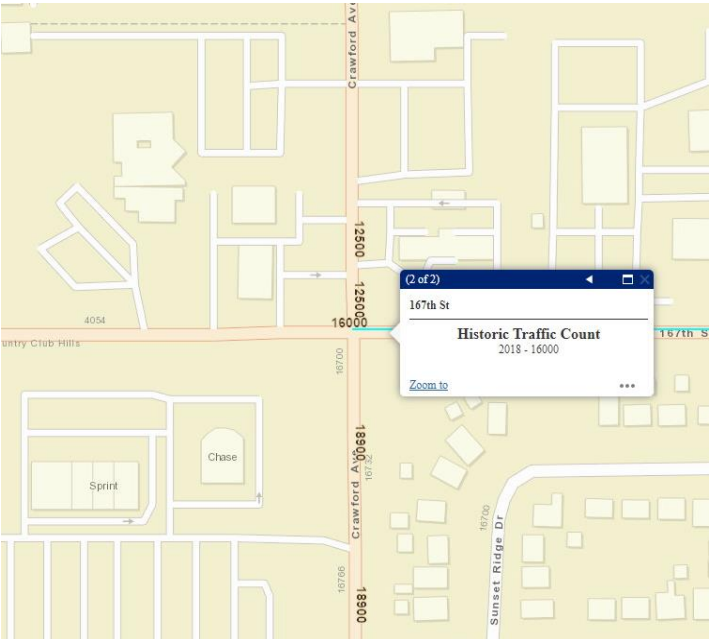
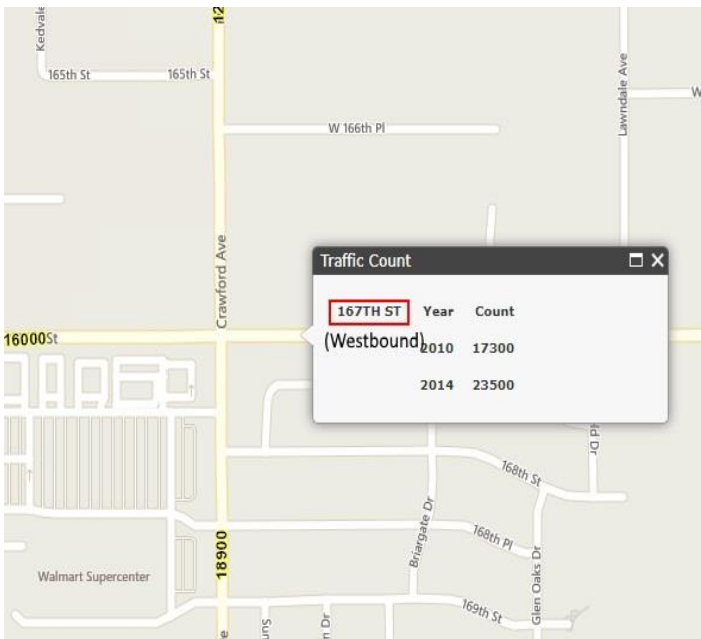
- Northbound: 21,300
- Southbound: 12,600



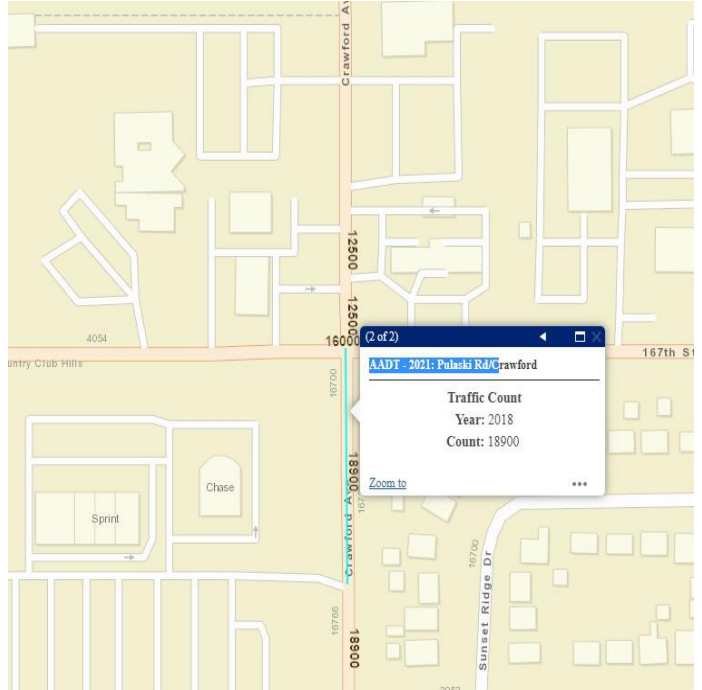
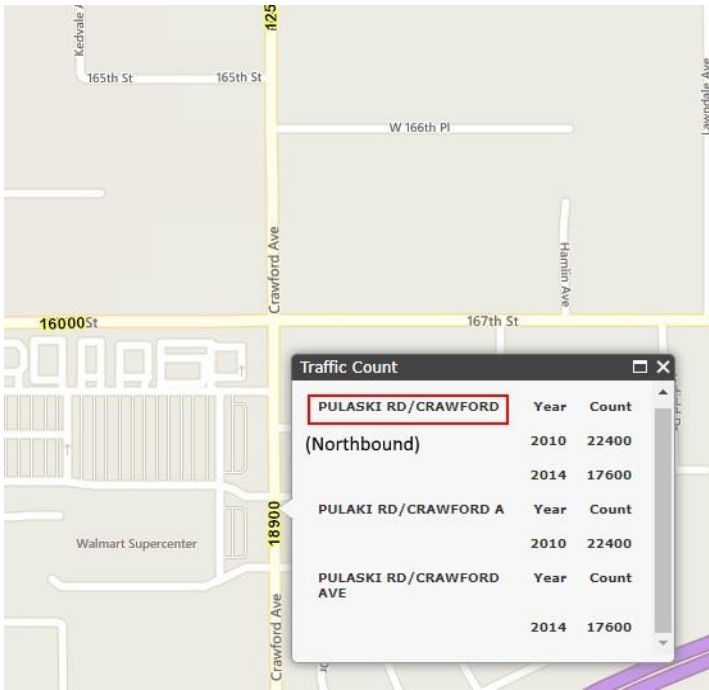
Eastbound ADTC



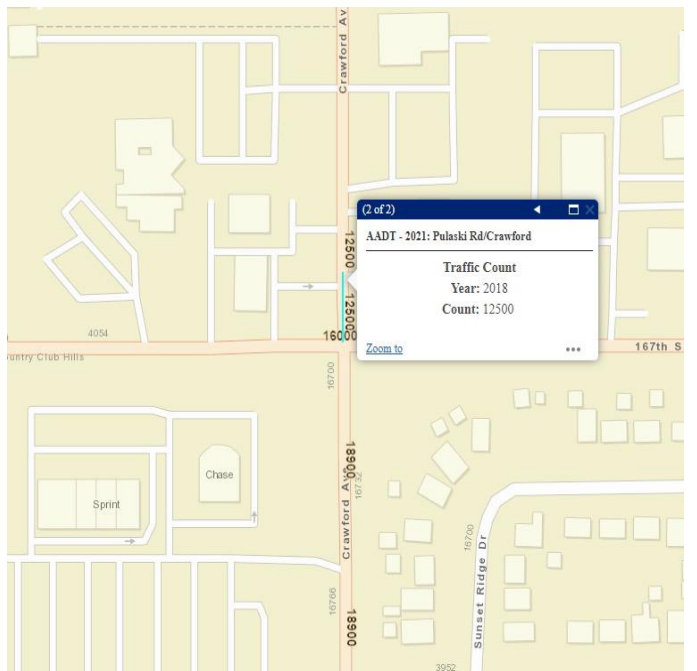
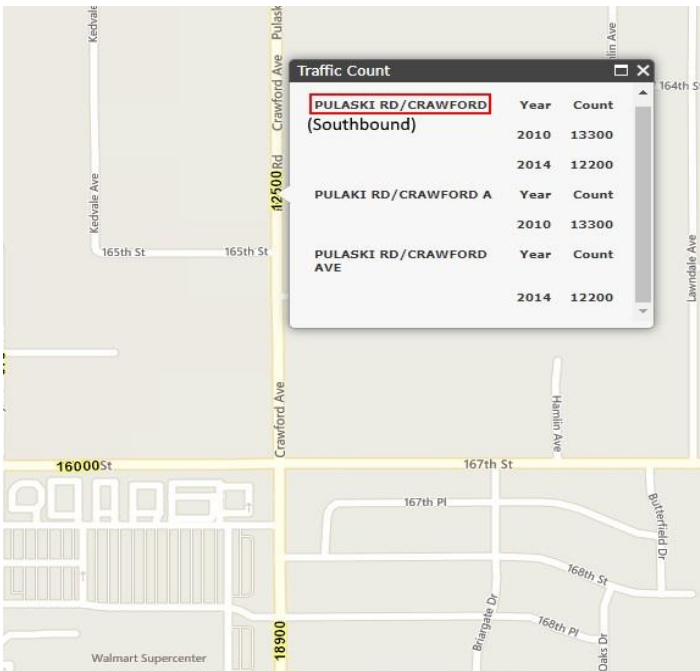
Westbound ADTC



Northbound ADTC



Southbound ADTC





4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Northbound** approach of **167th St and Pulaski Rd** from 2018 to 2020.

	2018	2019	2020
In Person	109	133	66
By Mail	66	96	77



5. Report Summary and Recommendation

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

In 2008, prior to RLR camera installation, the combined ADTC was 61,700. From 2010-2020, post RLR camera installation, the combined average of ADTC was 70,782 – an increase of 14.72%. (See tab 3)

From 2006-2008, prior to RLR camera installation, there were 50 total crashes; this averages out to 16.67 crashes a year. From 2010-2020, post RLR camera installation, there were 176 total crashes; this averages out to 16 crashes per year - a 4% 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 4%, even with the increase of 14.72% 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 **167th St and Pulaski Rd** in the **City of Country Club Hills** 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.