



175th St and Cicero Ave <Northbound>



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

Reference No: 016-47399

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
175th St and Cicero Ave (Northbound)
City of Country Club Hills
Ref #: 016 -47399

Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 Year RLR Follow-Up Evaluation Report for the intersection of 175th St and Cicero Ave, 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

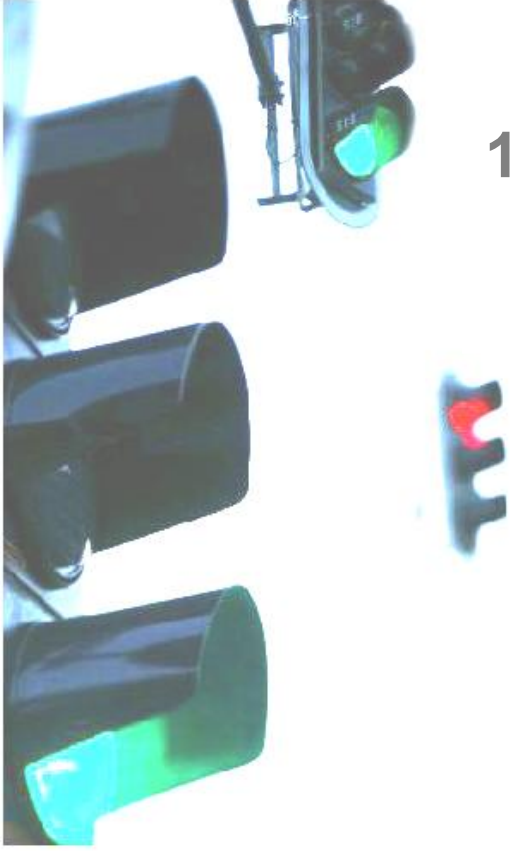
3 Year Evaluation Checklist

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

In 2010, 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 **175th St and Cicero Ave.**

- Date on which the camera went live on the Northbound approach: **08/2010**
- Year in which the 1 Year Follow-Up Evaluation Report was submitted to the IDOT: **2012**
- 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 **175th St and Cicero Ave** over a span of 14 years*.

	Angle	Turning	Rear End	Sideswipe	Fixed/Other Object	Total
2007	0	0	6	0	3	9
2008	1	2	3	0	0	6
2009	0	2	3	1	0	6
2010	0	0	1	0	0	1
2011	0	4	1	0	0	5
2012	0	4	0	0	0	4
2013	1	0	1	0	0	2
2014	0	4	2	0	0	6
2015	0	2	5	1	0	8
2016	2	3	7	0	1	13
2017	1	2	2	0	0	5
2018	1	5	4	0	0	10
2019	1	5	0	0	0	6
2020	3	3	3	0	0	9

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

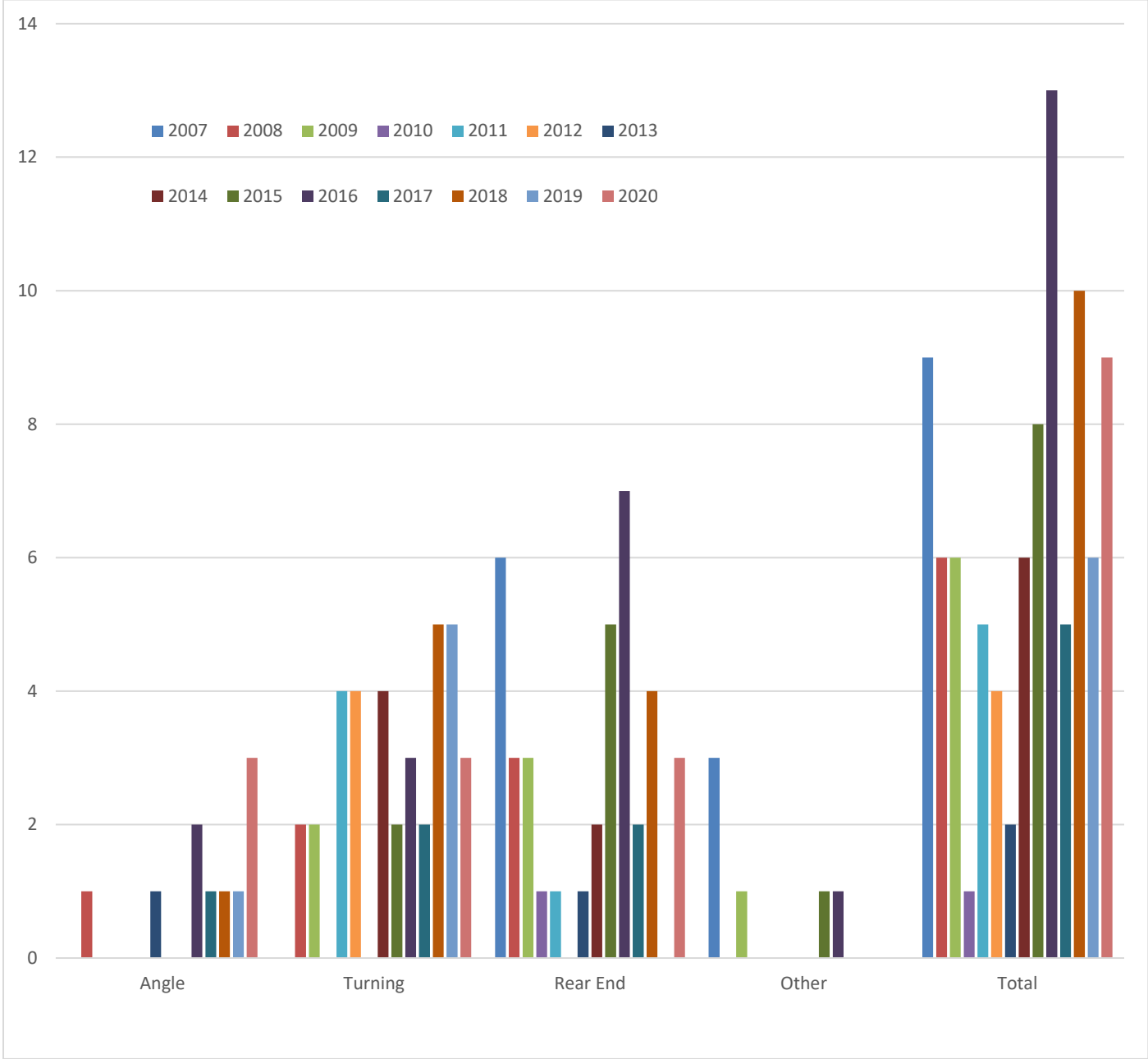
The data from 2010 shows the year in which the camera was installed.

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	Turning	Rear End	Other*	Total	Yearly Average
Before Installation	2007	0	0	6	3	9	7
	2008	1	2	3	0	6	
	2009	0	2	3	1	6	
	2010	0	0	1	0	1	
After Installation	2011	0	4	1	0	5	6.8
	2012	0	4	0	0	4	
	2013	1	0	1	0	2	
	2014	0	4	2	0	6	
	2015	0	2	5	1	8	
	2016	2	3	7	1	13	
	2017	1	2	2	0	5	
	2018	1	5	4	0	10	
	2019	1	5	0	0	6	
	2020	3	3	3	0	9	

* Other crashes include: Sideswipe and Other/Fixed Object.

From 2007-2009, prior to RLR camera installation, there were 21 total crashes; this averages out to 7 crashes a year.

From 2011-2020, post RLR camera installation, there were 68 total crashes; this averages out to 6.8 crashes per year - a 2.86% 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.

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

Database: CISReports
08/11/2009
Page 3 of 3

01/01/2007 to 12/31/2007

Route: 5050 From MileStation 34.36 to 34.36

County: COOK

Intersection Related

TOTAL	FATAL	INJURY	PROPERTY DAMAGE	TOTAL KILLED	TOTAL INJURED	A	B	C
9	0	2	7	0	4	0	1	3

<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>
Fixed object	3	33.33%	Sunday	3	33.33%	7 AM	1	11.11%	Passenger	13	86.67%
Rear end	6	66.67%	Monday	2	22.22%	8 AM	1	11.11%	SUV	1	6.67%
			Wednesday	1	11.11%	10 AM	2	22.22%	Van/Mini-Van	1	6.67%
			Thursday	1	11.11%	5 PM	1	11.11%			
			Friday	1	11.11%	6 PM	1	11.11%			
			Saturday	1	11.11%	7 PM	1	11.11%			
						8 PM	1	11.11%			
						10 PM	1	11.11%			
TOTAL:	9		TOTAL:	9		TOTAL:	9		TOTAL:	15	

<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	5	55.56%	Darkness, Lighted Road	2	22.22%	Dry	5	55.5	East	3	20.00%
Rain	1	11.11%	Daylight	5	55.56%	Snow or Slush	2	22.2	North	2	13.33%
Snow	2	22.22%	Dusk	1	11.11%	Unknown	1	11.1	Northeast	1	6.67%
Unknown	1	11.11%	Unknown	1	11.11%	Wet	1	11.1	South	7	46.67%
									West	2	13.33%
TOTAL:	9		TOTAL:	9		TOTAL:	9		TOTAL:	15	

Collision Diagram

1/1/2008 to 12/31/2008

Crash Route: IL050 | From MileStation 34.36 to 34.36 | 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	1	5	0	1	0	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	2	33.3%	Tuesday	3	50.0%	03 AM	1	16.7%	Passenger	8	66.7%
11-Rear end	3	50.0%	Wednesday	1	16.7%	08 AM	1	16.7%	Sport utility vehicle (SUV)	3	25.0%
15-Angle	1	16.7%	Saturday	2	33.3%	09 AM	1	16.7%	Unknown/NA	1	8.3%
TOTAL:	6		TOTAL:	6		Noon	2	33.3%	TOTAL:	12	
						4 PM	1	16.7%			
						TOTAL:	6				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	4	66.7%	Daylight	5	83.3%	Dry	4	66.7%	North	4	33.3%
Rain	1	16.7%	Unknown	1	16.7%	Snow or slush	1	16.7%	Northeast	2	16.7%
Snow	1	16.7%	TOTAL:	6		Wet	1	16.7%	South	4	33.3%
TOTAL:	6					TOTAL:	6		Southwest	1	8.3%
									West	1	8.3%
									TOTAL:	12	

Collision Diagram

1/1/2009 to 12/31/2009

Crash Route: IL050 | From MileStation 34.42 to 34.42 | 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	%
10-Turning	2	33.3%	Monday	1	16.7%	08 AM	1	16.7%	Passenger	9	75.0%
11-Rear end	3	50.0%	Tuesday	3	50.0%	09 AM	1	16.7%	Pickup	1	8.3%
13-Sideswipe opp. direction	1	16.7%	Thursday	1	16.7%	6 PM	1	16.7%	Van/mini van	2	16.7%
TOTAL:	6		Saturday	1	16.7%	7 PM	1	16.7%	TOTAL:	12	
			TOTAL:	6		8 PM	1	16.7%			
						10 PM	1	16.7%			
						TOTAL:	6				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	6	100.0%	Darkness/Lighted road	2	33.3%	Dry	6	100.0%	North	2	16.7%
TOTAL:	6		Daylight	3	50.0%	TOTAL:	6		Northwest	1	8.3%
			Dusk	1	16.7%				South	5	41.7%
			TOTAL:	6					West	4	33.3%
									TOTAL:	12	

Collision Diagram

1/1/2010 to 12/31/2010

Crash Route: IL050 | From MileStation 34.42 to 34.42 | 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
1	0	0	0	0	1	0	0	0	0	0

<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>
11-Rear end	1	100.0%	Wednesday	1	100.0%	7 PM	1	100.0%	Sport utility vehicle (SUV)	2	100.0%
TOTAL:	1		TOTAL:	1		TOTAL:	1		TOTAL:	2	
<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	1	100.0%	Daylight	1	100.0%	Dry	1	100.0%	South	2	100.0%
TOTAL:	1		TOTAL:	1		TOTAL:	1		TOTAL:	2	

Collision Diagram

1/1/2011 to 12/31/2011

Crash Route: IL050 | From MileStation 34.42 to 34.42 | 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
5	0	0	1	2	2	0	4	0	2	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	4	80.0%	Tuesday	1	20.0%	06 AM	1	20.0%	Passenger	5	50.0%
11-Rear end	1	20.0%	Thursday	4	80.0%	08 AM	1	20.0%	Sport utility vehicle (SUV)	3	30.0%
TOTAL:	5		TOTAL:	5		10 AM	1	20.0%	Van/mini van	2	20.0%
						11 AM	2	40.0%	TOTAL:	10	
						TOTAL:	5				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	4	80.0%	Daylight	5	100.0%	Dry	4	80.0%	East	1	10.0%
Rain	1	20.0%	TOTAL:	5		Wet	1	20.0%	North	4	40.0%
TOTAL:	5					TOTAL:	5		South	2	20.0%
									Southeast	2	20.0%
									West	1	10.0%
									TOTAL:	10	

Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: IL050 | From MileStation 34.42 to 34.42 | 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
4	0	0	0	1	3	0	1	0	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Turning	4	100.0%	Tuesday	2	50.0%	08 AM	1	25.0%	Bus Over 15 Passengers	1	12.5%
TOTAL:	4		Wednesday	1	25.0%	2 PM	1	25.0%	Passenger	7	87.5%
			Friday	1	25.0%	3 PM	1	25.0%	TOTAL:	8	
			TOTAL:	4		4 PM	1	25.0%			
						TOTAL:	4				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	4	100.0%	Daylight	4	100.0%	Dry	4	100.0%	East	1	12.5%
TOTAL:	4		TOTAL:	4		TOTAL:	4		North	3	37.5%
									South	1	12.5%
									Southeast	1	12.5%
									Southwest	1	12.5%
									West	1	12.5%
									TOTAL:	8	

Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: IL050 | From MileStation 34.42 to 34.42 | 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
2	0	0	0	1	1	0	1	0	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	50.0%	Tuesday	1	50.0%	07 AM	1	50.0%	Passenger	2	40.0%
Rear End	1	50.0%	Wednesday	1	50.0%	1 PM	1	50.0%	Pickup	1	20.0%
TOTAL:	2		TOTAL:	2		TOTAL:	2		Van/Mini-Van	2	40.0%
									TOTAL:	5	

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Rain	1	50.0%	Daylight	2	100.0%	Snow or Slush	1	50.0%	East	2	40.0%
Snow	1	50.0%	TOTAL:	2		Wet	1	50.0%	South	3	60.0%
TOTAL:	2					TOTAL:	2		TOTAL:	5	

Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL050 | From MileStation 34.42 to 34.42 | 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	0	0	5	0	3	2	1	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	2	33.3%	Monday	1	16.7%	08 AM	1	16.7%	Passenger	8	66.7%
Turning	4	66.7%	Wednesday	3	50.0%	09 AM	1	16.7%	SUV	3	25.0%
TOTAL:	6		Friday	2	33.3%	2 PM	1	16.7%	Tractor With Semi-Trailer	1	8.3%
			TOTAL:	6		7 PM	1	16.7%	TOTAL:	12	
						9 PM	1	16.7%			
						11 PM	1	16.7%			
						TOTAL:	6				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	5	83.3%	Darkness	1	16.7%	Dry	5	83.3%	East	4	33.3%
Snow	1	16.7%	Darkness/ Lighted Road	2	33.3%	Snow or Slush	1	16.7%	North	6	50.0%
TOTAL:	6		Daylight	3	50.0%	TOTAL:	6		South	1	8.3%
			TOTAL:	6					Southeast	1	8.3%
									TOTAL:	12	

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2962453.69261473 : YCoordinate 1795825.41033809 | 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
8	0	0	0	3	5	0	3	0	0	3

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	5	62.5%	Monday	1	12.5%	07 AM	1	12.5%	Passenger	9	56.3%
Sideswipe Same Direction	1	12.5%	Tuesday	2	25.0%	08 AM	1	12.5%	SUV	4	25.0%
Turning	2	25.0%	Thursday	1	12.5%	11 AM	1	12.5%	Truck Single Unit	1	6.3%
TOTAL:	8		Friday	2	25.0%	Noon	2	25.0%	Van/Mini-Van	2	12.5%
			Saturday	1	12.5%	2 PM	1	12.5%	TOTAL:	16	
			Sunday	1	12.5%	5 PM	1	12.5%			
			TOTAL:	8		8 PM	1	12.5%			
						TOTAL:	8				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	6	75.0%	Darkness	1	12.5%	Dry	5	62.5%	East	1	6.3%
Snow	2	25.0%	Darkness, Lighted Road	1	12.5%	Ice	1	12.5%	North	4	25.0%
TOTAL:	8		Daylight	6	75.0%	Snow or Slush	2	25.0%	South	8	50.0%
			TOTAL:	8		TOTAL:	8		West	3	18.8%
									TOTAL:	16	

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2962453.69261473 : YCoordinate 1795825.41033809 | 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>1</u>	<u>2</u>	<u>3</u>	<u>7</u>	<u>0</u>	<u>6</u>	<u>1</u>	<u>2</u>	<u>3</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	15.4%	Monday	2	15.4%	07 AM	1	7.7%	Bus Over 15 Passengers	1	4.0%
Other Object	1	7.7%	Wednesday	1	7.7%	10 AM	1	7.7%	Motor Driven Cycle	1	4.0%
Rear End	7	53.8%	Thursday	4	30.8%	Noon	1	7.7%	Motorcycle (Over 150cc)	1	4.0%
Turning	3	23.1%	Friday	1	7.7%	2 PM	2	15.4%	Passenger	16	64.0%
TOTAL:	13		Saturday	3	23.1%	5 PM	1	7.7%	Pickup	2	8.0%
			Sunday	2	15.4%	6 PM	2	15.4%	SUV	4	16.0%
			TOTAL:	13		7 PM	2	15.4%	TOTAL:	25	
						10 PM	1	7.7%			
						11 PM	2	15.4%			
						TOTAL:	13				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	9	69.2%	Darkness, Lighted Road	5	38.5%	Dry	11	84.6%	East	2	8.0%
Cloudy/Overcast	2	15.4%	Daylight	7	53.8%	Snow or Slush	1	7.7%	North	10	40.0%
Fog/Smoke/Haze	1	7.7%	Dusk	1	7.7%	Wet	1	7.7%	South	8	32.0%
Snow	1	7.7%	TOTAL:	13		TOTAL:	13		Southeast	1	4.0%
TOTAL:	13								Unknown	1	4.0%
									West	3	12.0%
									TOTAL:	25	

Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2962453.69261473 : YCoordinate 1795825.41033809 | 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
5	0	0	3	0	2	0	6	0	4	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	20.0%	Monday	2	40.0%	07 AM	1	20.0%	Passenger	9	90.0%
Rear End	2	40.0%	Tuesday	1	20.0%	Noon	1	20.0%	SUV	1	10.0%
Turning	2	40.0%	Saturday	2	40.0%	3 PM	2	40.0%	TOTAL:	10	
TOTAL:	5		TOTAL:	5		5 PM	1	20.0%			
						TOTAL:	5				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	2	40.0%	Darkness	1	20.0%	Dry	2	40.0%	North	2	20.0%
Rain	3	60.0%	Daylight	4	80.0%	Wet	3	60.0%	Northeast	1	10.0%
TOTAL:	5		TOTAL:	5		TOTAL:	5		South	2	20.0%
									Southeast	2	20.0%
									West	3	30.0%
									TOTAL:	10	

Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2962428.236 : YCoordinate 1795824.573 | 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>0</u>	<u>2</u>	<u>2</u>	<u>6</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>2</u>	<u>2</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	10.0%	Monday	1	10.0%	06 AM	1	10.0%	Passenger	12	57.1%
Front to Rear	4	40.0%	Tuesday	6	60.0%	07 AM	1	10.0%	SUV	7	33.3%
Turning	5	50.0%	Wednesday	2	20.0%	11 AM	2	20.0%	Truck Single Unit	1	4.8%
TOTAL:	10		Friday	1	10.0%	3 PM	2	20.0%	Van/Mini-Van	1	4.8%
			TOTAL:	10		4 PM	1	10.0%	TOTAL:	21	
						7 PM	1	10.0%			
						10 PM	2	20.0%			
						TOTAL:	10				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	7	70.0%	Darkness, Lighted Road	2	20.0%	Dry	7	70.0%	East	3	14.3%
Other	1	10.0%	Dawn	1	10.0%	Ice	3	30.0%	North	5	23.8%
Sleet/Hail	2	20.0%	Daylight	7	70.0%	TOTAL:	10		Northeast	1	4.8%
TOTAL:	10		TOTAL:	10				South	8	38.1%	
								Southeast	2	9.5%	
								Southwest	1	4.8%	
								West	1	4.8%	
								TOTAL:	21		

Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2962428.236 : YCoordinate 1795824.573 | 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	1	1	4	0	4	0	1	3

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	16.7%	Tuesday	1	16.7%	02 AM	1	16.7%	Passenger	10	76.9%
Turning	5	83.3%	Thursday	1	16.7%	3 PM	2	33.3%	SUV	2	15.4%
TOTAL:	6		Friday	1	16.7%	6 PM	1	16.7%	Van/Mini-Van	1	7.7%
			Saturday	1	16.7%	8 PM	1	16.7%	TOTAL:	13	
			Sunday	2	33.3%	9 PM	1	16.7%			
			TOTAL:	6		TOTAL:	6				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	5	83.3%	Darkness, Lighted Road	4	66.7%	Dry	5	83.3%	East	2	15.4%
Rain	1	16.7%	Daylight	2	33.3%	Wet	1	16.7%	North	4	30.8%
TOTAL:	6		TOTAL:	6		TOTAL:	6		Northeast	1	7.7%
									South	2	15.4%
									Southeast	2	15.4%
									West	2	15.4%
									TOTAL:	13	

Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2967952.642 : YCoordinate 1790692.579 | 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
9	0	0	1	1	7	0	3	0	1	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	33.3%	Monday	4	44.4%	09 AM	1	11.1%	Passenger	10	55.6%
Front to Rear	3	33.3%	Thursday	2	22.2%	10 AM	1	11.1%	Pickup	2	11.1%
Turning	3	33.3%	Friday	3	33.3%	11 AM	1	11.1%	SUV	5	27.8%
TOTAL:	9		TOTAL:	9		2 PM	2	22.2%	Van/Mini-Van	1	5.6%
						6 PM	1	11.1%	TOTAL:	18	
						7 PM	1	11.1%			
						8 PM	1	11.1%			
						11 PM	1	11.1%			
						TOTAL:	9				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	88.9%	Darkness, Lighted Road	4	44.4%	Dry	9	100.0%	East	3	16.7%
Cloudy/Overcast	1	11.1%	Daylight	5	55.6%	TOTAL:	9		North	5	27.8%
TOTAL:	9		TOTAL:	9					Northwest	1	5.6%
									South	3	16.7%
									Southeast	1	5.6%
									West	5	27.8%
									TOTAL:	18	



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **175th St and Cicero Ave** 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 2008-2009 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	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
	Year						
Before Installation	2008	4,300	8,900	18,800	19,200	51,200	49,800
	2009	4,300	8,900	16,800	18,400	48,400	
	2010	4,050	7,700	16,800	18,400	46,950	
After Installation	2011	4,050	7,700	16,800	18,400	46,950	42,015
	2012	4,050	7,700	15,400	16,200	43,350	
	2013	4,050	7,700	14,500	16,600	42,850	
	2014	3,700	6,100	14,500	16,600	40,900	
	2015	3,700	6,100	14,800	15,800	40,400	
	2016	3,700	6,100	14,800	15,800	40,400	
	2017	3,700	6,100	15,200	17,500	42,500	
	2018	4,200	6,900	15,200	17,500	43,800	
	2019	4,200	6,900	15,500	12,900	39,500	
	2020	4,200	6,900	15,500	12,900	39,500	

From 2008-2009, prior to RLR camera installation, the combined average of ADTC was 49,800.

From 2011-2020, post RLR camera installation, the combined average of ADTC was 42,015 – a reduction of 15.63%.

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

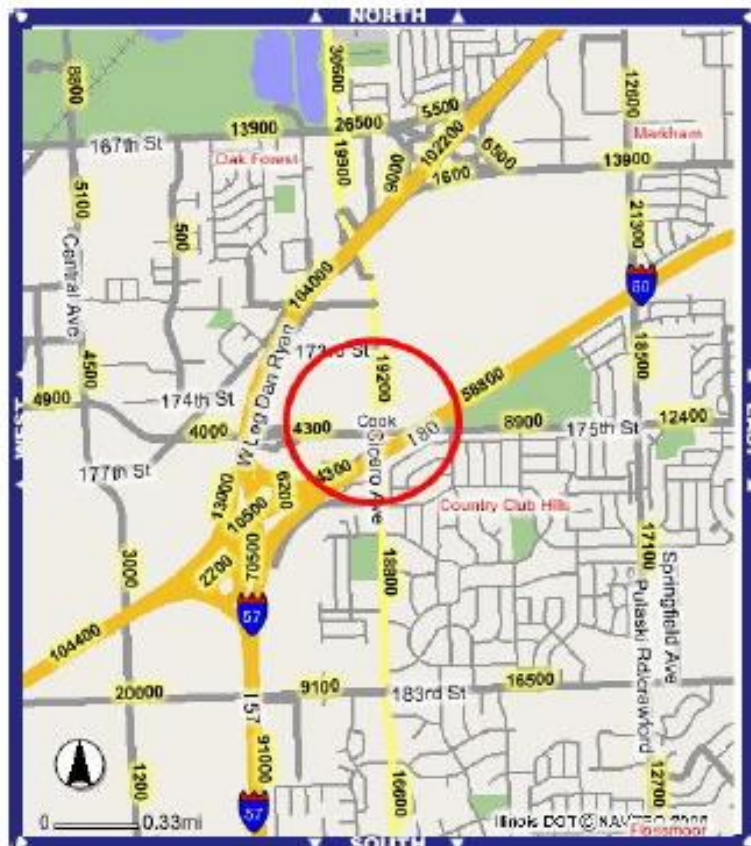
The traffic numbers below were obtained from the IDOT website per the RLR Guideline document published by the IDOT. Only ADTC values were available, peak numbers were not provided.

175th St ADTC

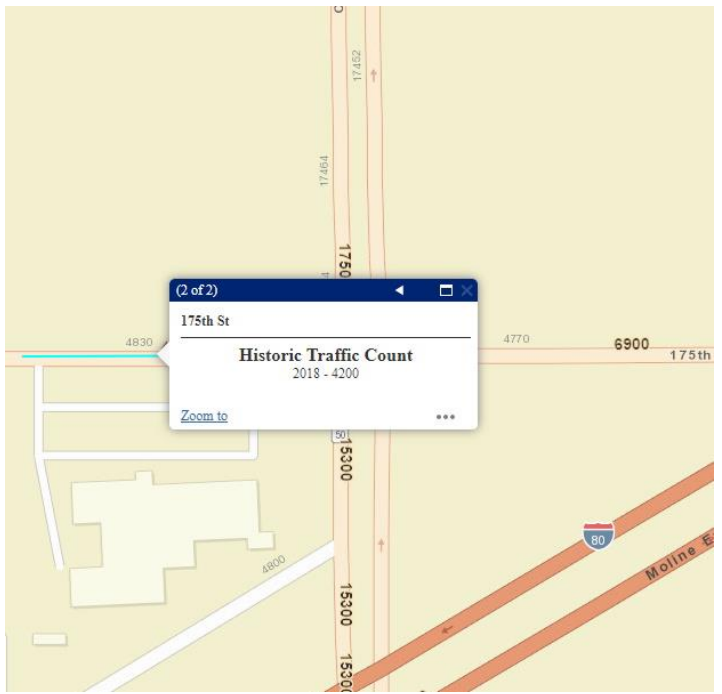
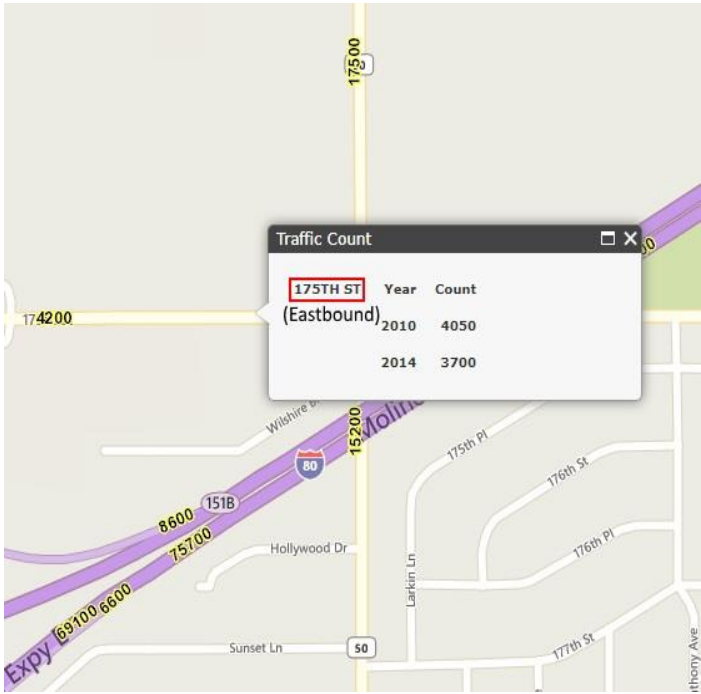
- Eastbound: 4,300
- Westbound: 8,900

Cicero Ave (IL Route 50) ADTC

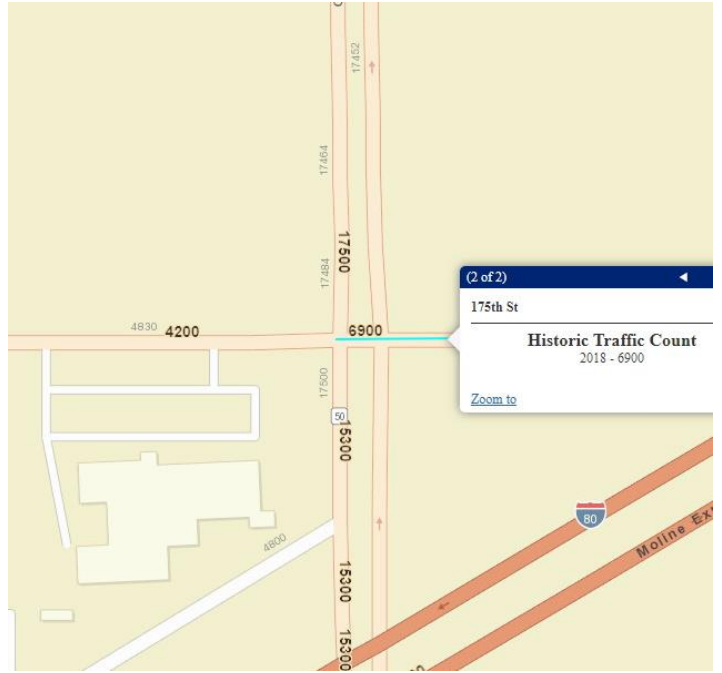
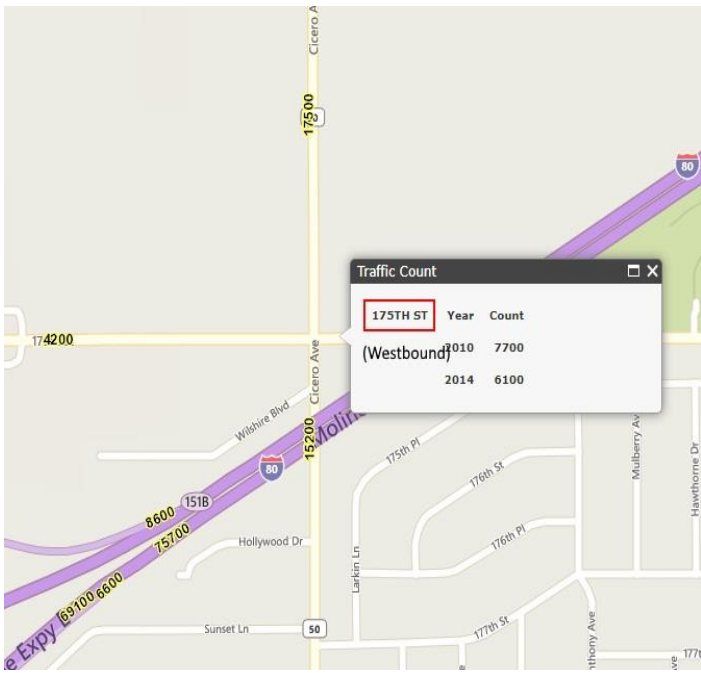
- Northbound: 18,800
- Southbound: 19,200



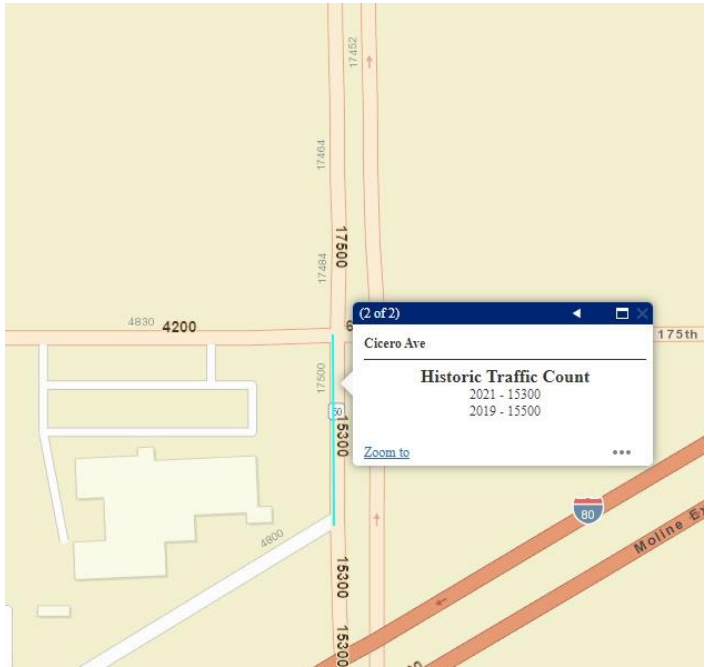
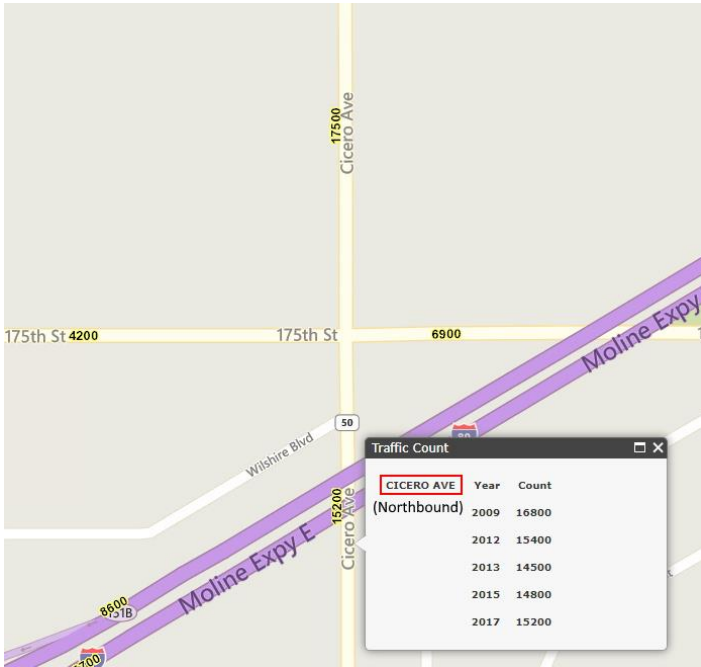
Eastbound ADTC



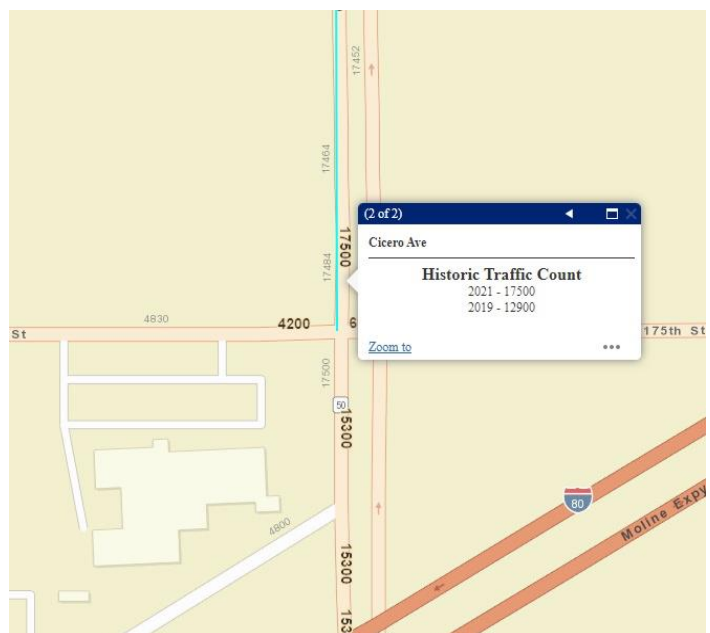
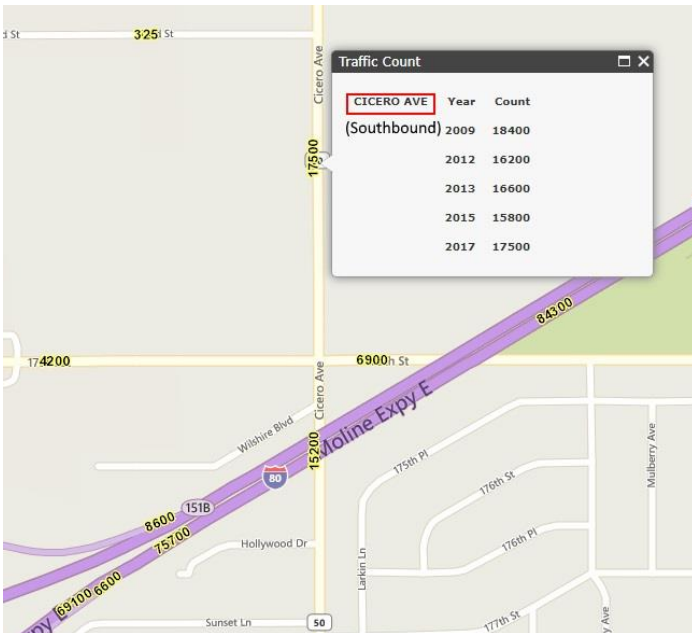
Westbound ADTC



Northbound ADTC



Southbound ADTC





4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Northbound** approach of **175th St and Cicero Ave** from 2018 to 2020.

	2018	2019	2020
In Person	102	104	85
By Mail	63	68	69



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.

From 2008-2009, prior to RLR camera installation, the combined average of ADTC was 49,800. From 2011-2020, post RLR camera installation, the combined average of ADTC was 42,015 – a reduction of 15.63%. (See tab 3)

From 2007-2009, prior to RLR camera installation, there were 21 total crashes; this averages out to 7 crashes a year. From 2011-2020, post RLR camera installation, there were 68 total crashes; this averages out to 6.8 crashes per year - a 2.86% 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 2.86% with a reduction of 15.63% 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 **175th St and Cicero Ave** 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.