



Archer Ave and Harlem Ave <Eastbound and Southbound>



Summit, IL RLR 3 Year Follow-Up Evaluation Report

Reference No: 016-56016

June 2020



EMERGENCY:
911

NON-EMERGENCY:
(708) 563-4830

FAX:
(708) 458-9256

JOHN KOSMOWSKI
Chief of Police
chiefkosmowski@summitpd.net

5810 S. Archer Road, Summit, IL 60501

May 12th, 2020

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
Archer Ave and Harlem Ave
Summit, IL 60501
Ref#: 016-56016

Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 Year RLR Follow-Up Evaluation Report for the intersection Of Archer Ave and Harlem Ave, Summit IL 60501.

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 708-563-8112, chiefkosmowski@summitpd.net

Best Regards,

On Behalf of the Village of Summit
John Kosmowski
Chief of Police

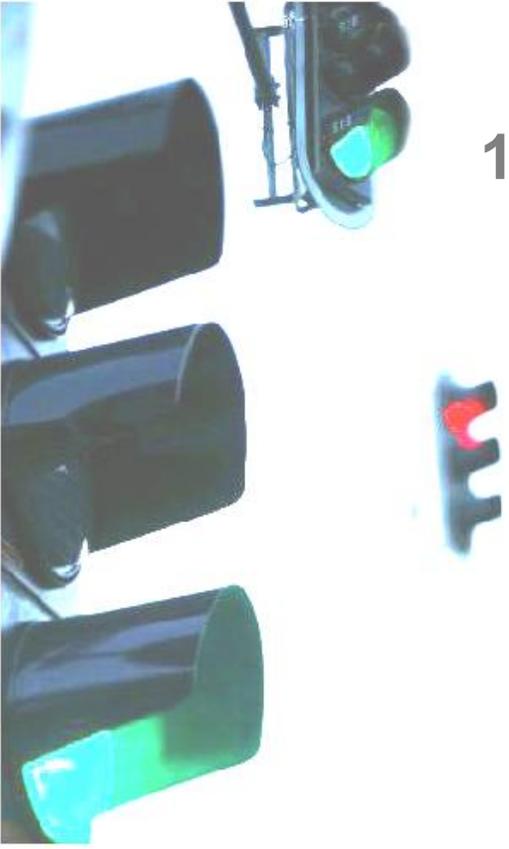
3 Year Evaluation Checklist

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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System Manufacturer and Contractors
2. RLR Crash Data and Analysis
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5. Report Summary and Recommendation



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

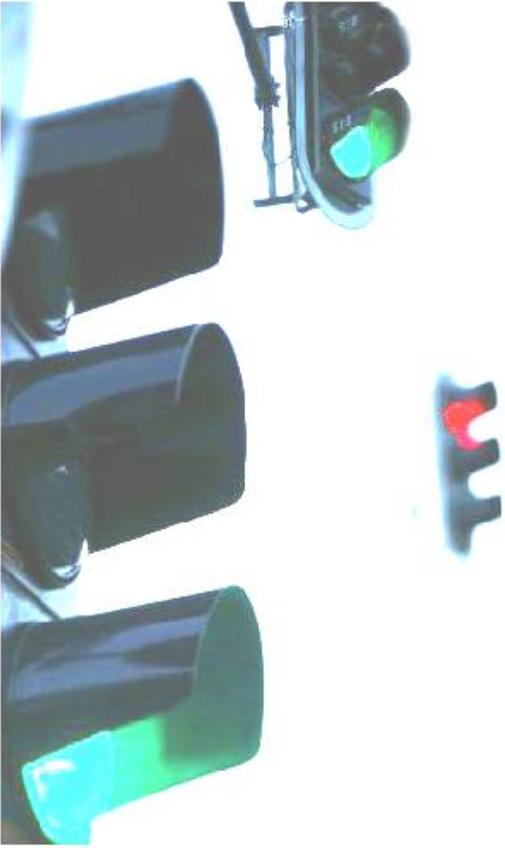
In 2012, the **Village of Summit** received approval from the Illinois Department of Transportation (IDOT) to install Red Light Running (RLR) cameras on the **Eastbound and Southbound** approaches at the intersection of **Archer Ave and Harlem Ave**.

- Date on which the cameras went live on the eastbound and southbound approaches: **5/2013**
- Date on which the 1 Year Follow-Up Evaluation Report was submitted to IDOT: **12/2015**

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 9550 West 55 Street McCook, IL 60525</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 **Archer Ave and Harlem Ave** over a span of 9 years*.

	Angle/Head On/ Overturned	Turning	Rear End	Pedestrian/ Pedalcyclist	Sideswipe	Fixed Object	Total
2009	1	14	20	0	1	0	36
2010	4	11	16	0	0	0	31
2011	2	8	9	3	0	1	23
2012	2	8	15	0	1	0	26
2013	2	9	13	0	3	0	27
2014	1	14	9	0	0	0	24
2015	5	13	7	1	0	0	26
2016	3	7	14	0	3	1	28
2017	2	13	9	1	4	1	30

- The data from 2009-2012 shows the period prior to the RLR camera installation.
- The data from 2013 shows the year in which the cameras were installed.
- The data from 2014-2017 shows the period following the installation.

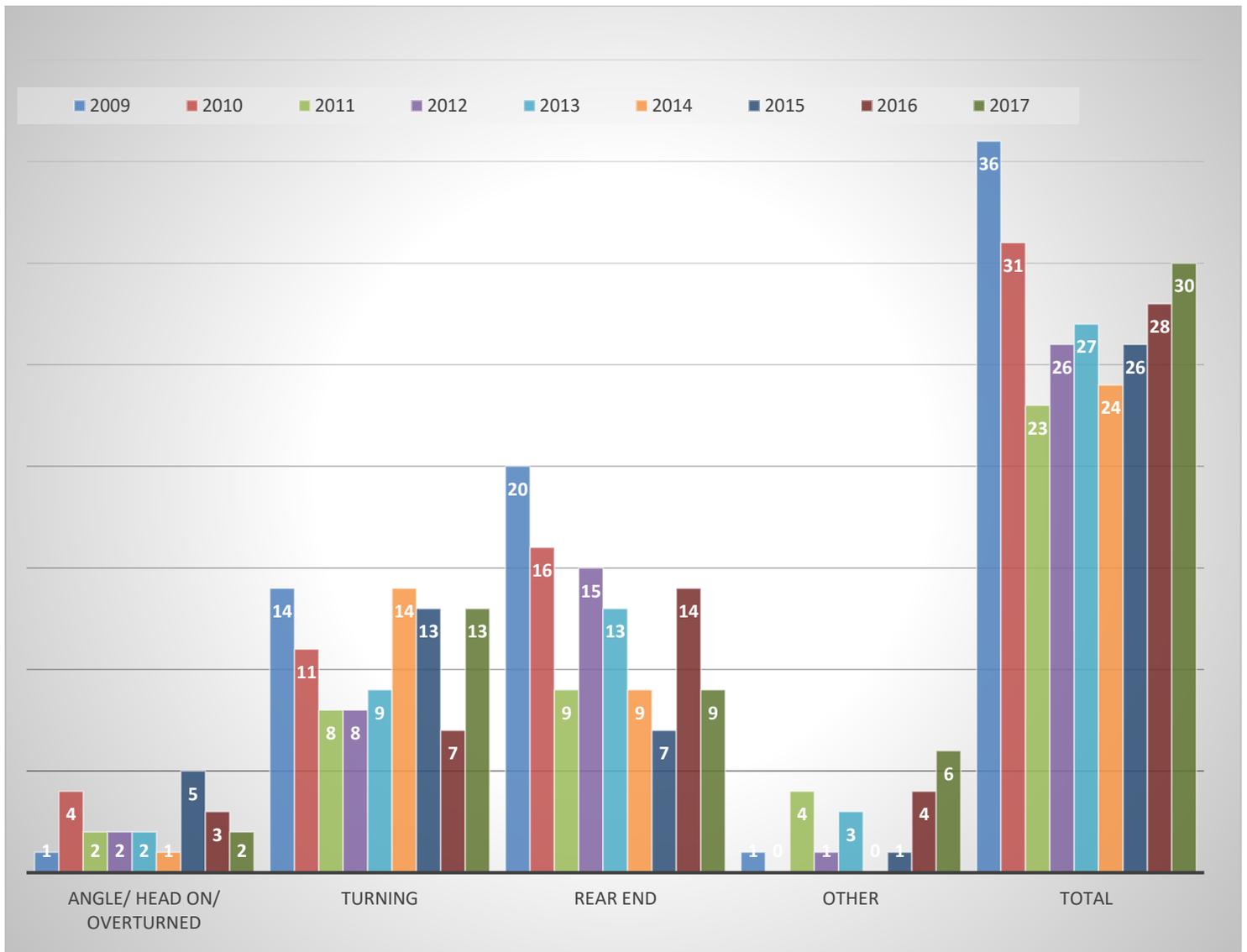
Type \ Year	Before Installation				2013	After Installation			
	2009	2010	2011	2012		2014	2015	2016	2017
Angle/ Head On/ Overturned	1	4	2	2	2	1	5	3	2
Turning	14	11	8	8	9	14	13	7	13
Rear End	20	16	9	15	13	9	7	14	9
Other**	1	0	4	1	3	0	1	4	6
Total	36	31	23	26	27	24	26	28	30
Yearly Average	29					27			

* DISCLAIMER: The motor vehicle crash data referenced herein was provided by the IDOT. 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.

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

The Chart below shows the trends of each crash type from 2009-2017.



From 2009-2012, prior to RLR camera installation, there were 116 total crashes; this averages out to 29 crashes a year.

From 2014-2017, post RLR camera installation, there were 108 total crashes; this averages out to 27 crashes per year, resulting in a 6.90% reduction of overall crashes from the time period aforementioned.

The following pages contain crash data summary pages from 2009-2017. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.

Collision Diagram

1/1/2009 to 12/31/2009

Crash Route: IL043 | From MileStation 19.92 to 19.92 | 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
36	0	0	2	6	28	0	11	0	2	9

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	14	38.9%	Monday	3	8.3%	Midnight	1	2.8%	Bus up to 15 pass	1	1.3%
11-Rear end	20	55.6%	Tuesday	5	13.9%	02 AM	2	5.6%	Motorcycle (over 150cc)	1	1.3%
12-Sideswipe same direction	1	2.8%	Wednesday	3	8.3%	03 AM	1	2.8%	Other	1	1.3%
15-Angle	1	2.8%	Thursday	7	19.4%	04 AM	1	2.8%	Passenger	48	62.3%
TOTAL:	36		Friday	5	13.9%	06 AM	2	5.6%	Pickup	7	9.1%
			Saturday	10	27.8%	08 AM	3	8.3%	Sport utility vehicle (SUV)	13	16.9%
			Sunday	3	8.3%	10 AM	3	8.3%	Truck - single unit	1	1.3%
			TOTAL:	36		11 AM	1	2.8%	Unknown/NA	1	1.3%
						Noon	1	2.8%	Van/mini van	4	5.2%
						2 PM	2	5.6%	TOTAL:	77	
						3 PM	1	2.8%			
						4 PM	3	8.3%			
						5 PM	1	2.8%			
						6 PM	5	13.9%			
						7 PM	4	11.1%			
						8 PM	2	5.6%			
						9 PM	1	2.8%			
						10 PM	1	2.8%			
						11 PM	1	2.8%			
						TOTAL:	36				

Collision Diagram

1/1/2010 to 12/31/2010

Crash Route: IL043 | From MileStation 19.92 to 19.92 | 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
31	0	2	3	4	22	0	14	2	4	8

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	11	35.5%	Monday	1	3.2%	Midnight	1	3.2%	Bus over 15 pass.	1	1.5%
11-Rear end	16	51.6%	Tuesday	4	12.9%	01 AM	1	3.2%	Passenger	42	63.6%
15-Angle	4	12.9%	Wednesday	5	16.1%	02 AM	2	6.5%	Pickup	7	10.6%
TOTAL:	31		Thursday	10	32.3%	04 AM	2	6.5%	Sport utility vehicle (SUV)	11	16.7%
			Friday	3	9.7%	05 AM	2	6.5%	Tractor w/o semi-trailer	1	1.5%
			Saturday	2	6.5%	08 AM	3	9.7%	Truck – single unit	1	1.5%
			Sunday	6	19.4%	10 AM	3	9.7%	Van/mini van	3	4.5%
			TOTAL:	31		11 AM	4	12.9%	TOTAL:	66	
						1 PM	2	6.5%			
						2 PM	3	9.7%			
						3 PM	1	3.2%			
						5 PM	1	3.2%			
						7 PM	1	3.2%			
						8 PM	2	6.5%			
						9 PM	2	6.5%			
						10 PM	1	3.2%			
						TOTAL:	31				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	28	90.3%	Darkness/Lighted road	14	45.2%	Dry	27	87.1%	East	20	30.3%
Other	1	3.2%	Daylight	17	54.8%	Snow or slush	2	6.5%	North	19	28.8%

Collision Diagram

1/1/2011 to 12/31/2011

Crash Route: IL043 | From MileStation 19.92 to 19.92 | 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
23	0	2	7	0	14	0	14	2	10	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	8	34.8%	Tuesday	5	21.7%	01 AM	1	4.3%	Motor driven cycle	1	2.2%
11-Rear end	9	39.1%	Wednesday	2	8.7%	02 AM	1	4.3%	Motorcycle (over 150cc)	1	2.2%
15-Angle	2	8.7%	Thursday	5	21.7%	05 AM	3	13.0%	Passenger	23	51.1%
1-Pedestrian	2	8.7%	Friday	3	13.0%	06 AM	1	4.3%	Pickup	3	6.7%
2-Pedalcyclist	1	4.3%	Saturday	3	13.0%	11 AM	3	13.0%	Sport utility vehicle (SUV)	6	13.3%
6-Fixed object	1	4.3%	Sunday	5	21.7%	1 PM	2	8.7%	Tractor w/ semi-trailer	2	4.4%
TOTAL:	23		TOTAL:	23		5 PM	3	13.0%	Tractor w/o semi-trailer	2	4.4%
						6 PM	2	8.7%	Truck – single unit	3	6.7%
						8 PM	1	4.3%	Van/mini van	4	8.9%
						9 PM	3	13.0%	TOTAL:	45	
						10 PM	1	4.3%			
						11 PM	2	8.7%			
						TOTAL:	23				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	17	73.9%	Darkness	3	13.0%	Dry	16	69.6%	East	10	22.2%
Other	1	4.3%	Darkness/Lighted road	11	47.8%	Unknown	1	4.3%	North	17	37.8%
Rain	5	21.7%	Daylight	9	39.1%	Wet	6	26.1%	Northeast	1	2.2%
TOTAL:	23		TOTAL:	23		TOTAL:	23		Northwest	2	4.4%
									South	3	6.7%
									Southeast	2	4.4%

Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: IL043 | From MileStation 19.92 to 19.92 | 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>26</u>	<u>0</u>	<u>1</u>	<u>3</u>	<u>2</u>	<u>20</u>	<u>0</u>	<u>11</u>	<u>1</u>	<u>5</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	3.8%	Monday	6	23.1%	Midnight	1	3.8%	Motorcycle (Over 150cc)	1	1.9%
Overturned	1	3.8%	Tuesday	1	3.8%	01 AM	1	3.8%	Passenger	31	57.4%
Rear End	15	57.7%	Wednesday	3	11.5%	02 AM	1	3.8%	Pickup	3	5.6%
Sideswipe Same Direction	1	3.8%	Thursday	3	11.5%	03 AM	2	7.7%	SUV	12	22.2%
Turning	8	30.8%	Friday	4	15.4%	04 AM	1	3.8%	Tractor With Semi-Trailer	3	5.6%
TOTAL:	26		Saturday	5	19.2%	05 AM	1	3.8%	Van/Mini-Van	4	7.4%
			Sunday	4	15.4%	06 AM	4	15.4%	TOTAL:	54	
			TOTAL:	26		07 AM	2	7.7%			
						08 AM	1	3.8%			
						09 AM	2	7.7%			
						11 AM	2	7.7%			
						Noon	1	3.8%			
						1 PM	1	3.8%			
						3 PM	1	3.8%			
						6 PM	3	11.5%			
						7 PM	1	3.8%			
						11 PM	1	3.8%			
						TOTAL:	26				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	22	84.6%	Darkness	4	15.4%	Dry	20	76.9%	East	11	20.4%

Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: IL043 | From MileStation 19.92 to 19.92 | 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
27	0	0	1	4	22	0	8	0	1	7

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	7.4%	Monday	2	7.4%	01 AM	1	3.7%	Motorcycle (Over 150cc)	1	1.6%
Rear End	13	48.1%	Tuesday	4	14.8%	02 AM	1	3.7%	Passenger	40	62.5%
Sideswipe Same Direction	3	11.1%	Wednesday	8	29.6%	03 AM	2	7.4%	Pickup	3	4.7%
Turning	9	33.3%	Thursday	5	18.5%	06 AM	2	7.4%	SUV	10	15.6%
TOTAL:	27		Friday	4	14.8%	08 AM	1	3.7%	Tractor With Semi-Trailer	2	3.1%
			Saturday	3	11.1%	09 AM	3	11.1%	Truck Single Unit	1	1.6%
			Sunday	1	3.7%	10 AM	1	3.7%	Van/Mini-Van	7	10.9%
			TOTAL:	27		11 AM	1	3.7%	TOTAL:	64	
						Noon	1	3.7%			
						1 PM	1	3.7%			
						3 PM	2	7.4%			
						4 PM	2	7.4%			
						5 PM	3	11.1%			
						7 PM	3	11.1%			
						9 PM	1	3.7%			
						10 PM	1	3.7%			
						11 PM	1	3.7%			
						TOTAL:	27				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	20	74.1%	Darkness	1	3.7%	Dry	19	70.4%	East	17	26.6%

Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 19.92 to 19.92 | 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
24	0	0	4	3	17	0	17	0	9	8

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Head On	1	4.2%	Monday	3	12.5%	01 AM	1	4.2%	Motorcycle (Over 150cc)	1	2.1%
Rear End	9	37.5%	Tuesday	3	12.5%	06 AM	2	8.3%	Passenger	35	72.9%
Turning	14	58.3%	Wednesday	2	8.3%	07 AM	1	4.2%	Pickup	1	2.1%
TOTAL:	24		Thursday	5	20.8%	08 AM	1	4.2%	SUV	7	14.6%
			Friday	5	20.8%	09 AM	1	4.2%	Tractor With Semi-Trailer	1	2.1%
			Saturday	3	12.5%	11 AM	4	16.7%	Truck Single Unit	3	6.3%
			Sunday	3	12.5%	Noon	1	4.2%	TOTAL:	48	
			TOTAL:	24		2 PM	1	4.2%			
						3 PM	1	4.2%			
						5 PM	1	4.2%			
						6 PM	1	4.2%			
						7 PM	2	8.3%			
						8 PM	4	16.7%			
						9 PM	1	4.2%			
						10 PM	1	4.2%			
						11 PM	1	4.2%			
						TOTAL:	24				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	19	79.2%	Darkness	3	12.5%	Dry	16	66.7%	East	16	33.3%
Rain	3	12.5%	Darkness/ Lighted Road	9	37.5%	Snow or Slush	2	8.3%	North	8	16.7%

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2941538.3563855 : YCoordinate 1875584.19510101 | 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>26</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>24</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	3	11.5%	Monday	3	11.5%	Midnight	1	3.8%	Passenger	34	64.2%
Head On	2	7.7%	Tuesday	4	15.4%	05 AM	4	15.4%	Pickup	1	1.9%
Pedestrian	1	3.8%	Wednesday	4	15.4%	09 AM	1	3.8%	SUV	11	20.8%
Rear End	7	26.9%	Thursday	4	15.4%	10 AM	2	7.7%	Tractor With Semi-Trailer	1	1.9%
Turning	13	50.0%	Friday	1	3.8%	Noon	3	11.5%	Unknown	1	1.9%
TOTAL:	26		Saturday	8	30.8%	1 PM	2	7.7%	Van/Mini-Van	5	9.4%
			Sunday	2	7.7%	2 PM	2	7.7%	TOTAL:	53	
			TOTAL:	26		3 PM	2	7.7%			
						4 PM	1	3.8%			
						5 PM	1	3.8%			
						6 PM	1	3.8%			
						7 PM	2	7.7%			
						8 PM	1	3.8%			
						9 PM	1	3.8%			
						10 PM	1	3.8%			
						11 PM	1	3.8%			
						TOTAL:	26				

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2941538.3563855 : YCoordinate 1875584.19510101 | 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>28</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>1</u>	<u>23</u>	<u>0</u>	<u>6</u>	<u>0</u>	<u>5</u>	<u>1</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	10.7%	Monday	1	3.6%	Midnight	2	7.1%	Passenger	33	57.9%
Fixed Object	1	3.6%	Tuesday	6	21.4%	03 AM	2	7.1%	Pickup	6	10.5%
Rear End	14	50.0%	Wednesday	7	25.0%	04 AM	1	3.6%	SUV	6	10.5%
Sideswipe Same Direction	3	10.7%	Thursday	3	10.7%	06 AM	1	3.6%	Tractor With Semi-Trailer	5	8.8%
Turning	7	25.0%	Friday	3	10.7%	07 AM	1	3.6%	Tractor Without Semi-Trailer	1	1.8%
TOTAL:	28		Saturday	3	10.7%	08 AM	2	7.1%	Truck Single Unit	1	1.8%
			Sunday	5	17.9%	10 AM	2	7.1%	Van/Mini-Van	5	8.8%
			TOTAL:	28		11 AM	1	3.6%	TOTAL:	57	
						Noon	3	10.7%			
						1 PM	2	7.1%			
						2 PM	3	10.7%			
						4 PM	3	10.7%			
						5 PM	1	3.6%			
						6 PM	2	7.1%			
						8 PM	2	7.1%			
						TOTAL:	28				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	22	78.6%	Darkness	2	7.1%	Dry	21	75.0%	East	10	17.5%

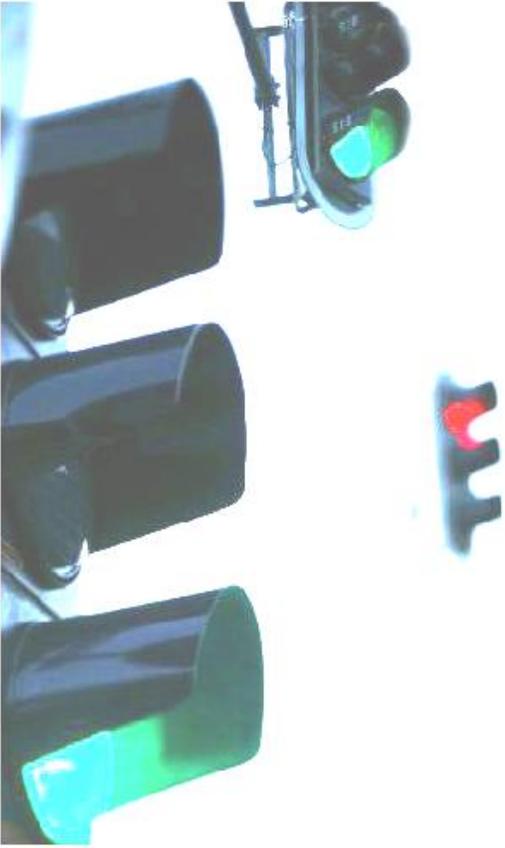
Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2941538.3563855 : YCoordinate 1875584.19510101 | 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>30</u>	<u>0</u>	<u>0</u>	<u>6</u>	<u>2</u>	<u>22</u>	<u>0</u>	<u>13</u>	<u>0</u>	<u>9</u>	<u>4</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	6.7%	Monday	2	6.7%	01 AM	1	3.3%	Passenger	33	53.2%
Fixed Object	1	3.3%	Tuesday	6	20.0%	02 AM	1	3.3%	Pickup	7	11.3%
Pedestrian	1	3.3%	Wednesday	5	16.7%	06 AM	2	6.7%	SUV	9	14.5%
Rear End	9	30.0%	Thursday	4	13.3%	07 AM	2	6.7%	Tractor With Semi-Trailer	3	4.8%
Sideswipe Opposite Direction	1	3.3%	Friday	7	23.3%	08 AM	3	10.0%	Tractor Without Semi-Trailer	2	3.2%
Sideswipe Same Direction	3	10.0%	Saturday	5	16.7%	09 AM	2	6.7%	Truck Single Unit	1	1.6%
Turning	13	43.3%	Sunday	1	3.3%	Noon	1	3.3%	Unknown	1	1.6%
TOTAL:	30		TOTAL:	30		1 PM	4	13.3%	Van/Mini-Van	6	9.7%
						2 PM	2	6.7%	TOTAL:	62	
						3 PM	1	3.3%			
						4 PM	4	13.3%			
						5 PM	1	3.3%			
						6 PM	3	10.0%			
						7 PM	2	6.7%			
						11 PM	1	3.3%			
						TOTAL:	30				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	23	76.7%	Darkness	1	3.3%	Dry	24	80.0%	East	7	11.3%



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **Archer Ave and Harlem Ave** over a span of 8 years.

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

- The data from 2010-2012 shows the period prior to the RLR camera installation.
- The data from 2013 shows the year in which the cameras were installed.
- The data from 2014-2017 shows the period following the installation.

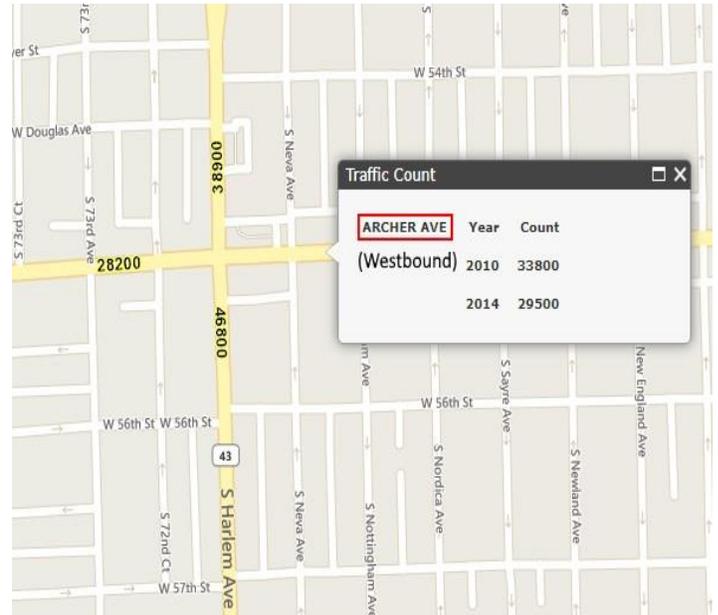
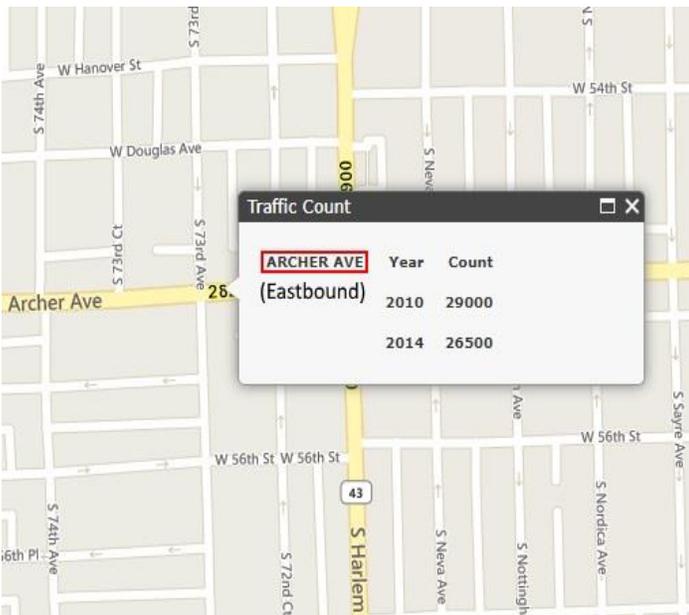
Direction \ Year	Before Installation			2013	After Installation			
	2010	2011	2012		2014	2015	2016	2017
Eastbound	29,000	29,000	29,000	29,000	26,500	26,500	26,500	26,500
Westbound	33,800	33,800	33,800	33,800	29,500	29,500	29,500	29,500
Northbound	45,500	45,500	45,800	45,100	45,100	40,000	40,000	46,800
Southbound	43,800	43,800	46,000	45,600	45,600	44,700	44,700	38,900
Combined	152,100	152,100	154,600	153,500	146,700	140,700	140,700	141,700
Combinded Avg	152,933				142,450			

From 2010-2012, prior to RLR camera installation, the combined average of ADTC was 152,933.

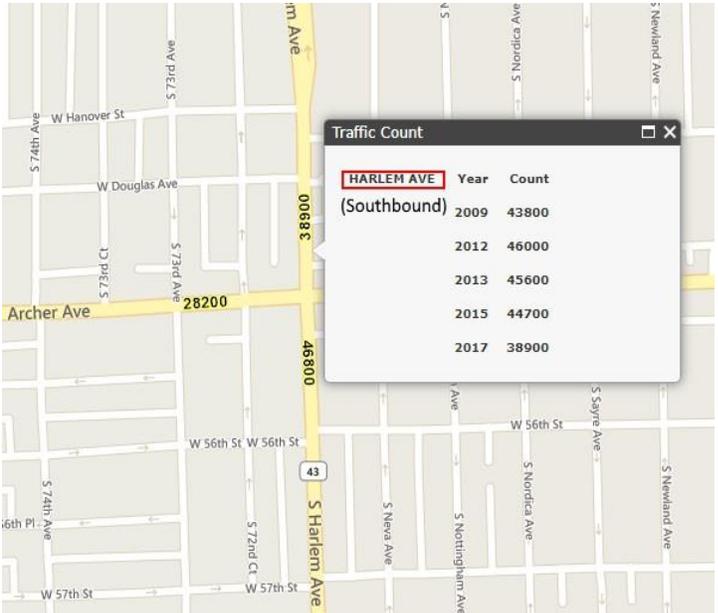
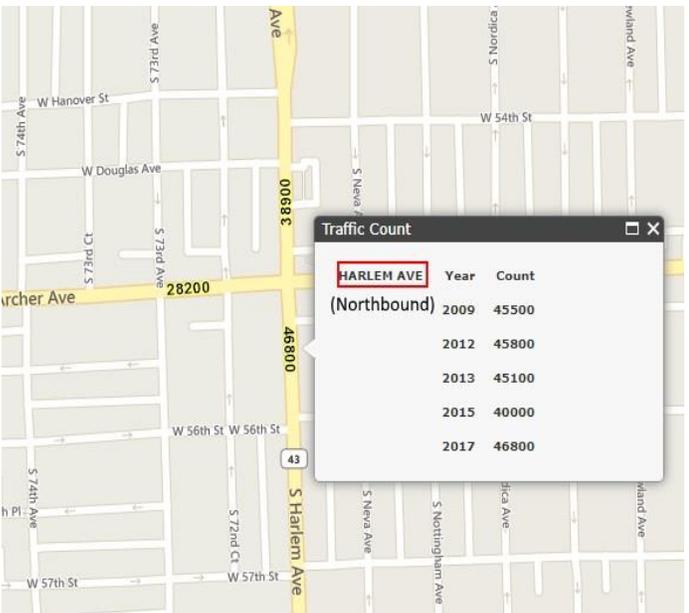
From 2014-2017, post RLR camera installation, the combined average of ADTC was 142,450, resulting in a decrease of 6.85% from the time period above.

The following page will provide the complete ADTC data from 2010-2017 obtained from the IDOT's website.

Eastbound and Westbound ADTC



Northbound and Southbound ADTC





4. Summary of Adjudication

Below are the summaries of tickets contested “in person” and “by mail” from the **Eastbound** approach of **Archer Ave and Harlem Ave** from January 2015 to December 2015.

In Person Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2015 - 01/31/2015	13	11	2	15%
02/01/2015 - 02/28/2015	15	13	2	13%
03/01/2015 - 03/31/2015	10	8	2	20%
04/01/2015 - 04/30/2015	16	12	4	25%
05/01/2015 - 05/31/2015	12	10	2	17%
06/01/2015 - 06/30/2015	10	7	3	30%
07/01/2015 - 07/31/2015	26	24	2	8%
08/01/2015 - 08/31/2015	22	20	2	9%
09/01/2015 - 09/30/2015	21	18	3	14%
10/01/2015 - 10/31/2015	16	13	3	19%
11/01/2015 - 11/30/2015	16	13	3	19%
12/01/2015 - 12/31/2015	21	21	0	0%
Total	198	170	28	14%

As indicated in the table above, 198 contested tickets were reviewed by one or more Hearing Officers during the above referenced period. The Hearing Officer(s) dismissed 28 of the contested tickets, a 14% total dismissal rate.

By Mail Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2015 - 01/31/2015	18	17	1	6%
02/01/2015 - 02/28/2015	18	15	3	17%
03/01/2015 - 03/31/2015	10	10	0	0%
04/01/2015 - 04/30/2015	19	16	3	16%
05/01/2015 - 05/31/2015	6	6	0	0%
06/01/2015 - 06/30/2015	22	15	7	32%
07/01/2015 - 07/31/2015	33	22	11	33%
08/01/2015 - 08/31/2015	19	18	1	5%
09/01/2015 - 09/30/2015	4	3	1	25%
10/01/2015 - 10/31/2015	43	41	2	5%
11/01/2015 - 11/30/2015	10	10	0	0%
12/01/2015 - 12/31/2015	5	4	1	20%
Total	207	177	30	14%

As indicated in the table above, 207 tickets were contested by mail during the above referenced period. 30 contests by mail were dismissed, a 14% dismissal rate.

Below are the summaries of tickets contested “in person” and “by mail” from the **Eastbound** approach of **Archer Ave and Harlem Ave** from January 2016 to December 2016.

In Person Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2016 - 01/31/2016	11	10	1	9%
02/01/2016 - 02/29/2016	16	16	0	0%
03/01/2016 - 03/31/2016	17	14	3	18%
04/01/2016 - 04/30/2016	10	10	0	0%
05/01/2016 - 05/31/2016	11	9	2	18%
06/01/2016 - 06/30/2016	5	5	0	0%
07/01/2016 - 07/31/2016	7	6	1	14%
08/01/2016 - 08/31/2016	10	9	1	10%
09/01/2016 - 09/30/2016	7	7	0	0%
10/01/2016 - 10/31/2016	6	5	1	17%
11/01/2016 - 11/30/2016	10	9	1	10%
12/01/2016 - 12/31/2016	8	7	1	13%
Total	118	107	11	9%

As indicated in the table above, 118 contested tickets were reviewed by one or more Hearing Officers during the above referenced period. The Hearing Officer(s) dismissed 11 of the contested tickets, a 9% total dismissal rate.

By Mail Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2016 - 01/31/2016	25	21	4	16%
02/01/2016 - 02/29/2016	16	16	0	0%
03/01/2016 - 03/31/2016	3	2	1	33%
04/01/2016 - 04/30/2016	15	12	3	20%
05/01/2016 - 05/31/2016	12	12	0	0%
06/01/2016 - 06/30/2016	14	9	5	36%
07/01/2016 - 07/31/2016	5	5	0	0%
08/01/2016 - 08/31/2016	18	17	1	6%
09/01/2016 - 09/30/2016	15	15	0	0%
10/01/2016 - 10/31/2016	6	6	0	0%
11/01/2016 - 11/30/2016	21	21	0	0%
12/01/2016 - 12/31/2016	18	13	5	28%
Total	168	149	19	11%

As indicated in the table above, 168 tickets were contested by mail during the above referenced period. 19 contests by mail were dismissed, an 11% dismissal rate.

Below are the summaries of tickets contested “in person” and “by mail” from the **Eastbound** approach of **Archer Ave and Harlem Ave** from January 2017 to December 2017.

In Person Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2017 - 01/31/2017	7	5	2	29%
02/01/2017 - 02/28/2017	16	13	3	19%
03/01/2017 - 03/31/2017	19	16	3	16%
04/01/2017 - 04/30/2017	13	10	3	23%
05/01/2017 - 05/31/2017	24	23	1	4%
06/01/2017 - 06/30/2017	12	12	0	0%
07/01/2017 - 07/31/2017	13	12	1	8%
08/01/2017 - 08/31/2017	17	14	3	18%
09/01/2017 - 09/30/2017	11	11	0	0%
10/01/2017 - 10/31/2017	10	9	1	10%
11/01/2017 - 11/30/2017	10	9	1	10%
12/01/2017 - 12/31/2017	15	12	3	20%
Total	167	146	21	13%

As indicated in the table above, 167 contested tickets were reviewed by one or more Hearing Officers during the above referenced period. The Hearing Officer(s) dismissed 21 of the contested tickets, a 13% total dismissal rate.

By Mail Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2017 - 01/31/2017	4	4	0	0%
02/01/2017 - 02/28/2017	16	14	2	13%
03/01/2017 - 03/31/2017	5	4	1	20%
04/01/2017 - 04/30/2017	21	18	3	14%
05/01/2017 - 05/31/2017	15	14	1	7%
06/01/2017 - 06/30/2017	20	18	2	10%
07/01/2017 - 07/31/2017	17	15	2	12%
08/01/2017 - 08/31/2017	22	16	6	27%
09/01/2017 - 09/30/2017	21	16	5	24%
10/01/2017 - 10/31/2017	3	3	0	0%
11/01/2017 - 11/30/2017	22	17	5	23%
12/01/2017 - 12/31/2017	19	17	2	11%
Total	185	156	29	16%

As indicated in the table above, 185 tickets were contested by mail during the above referenced period. 29 contests by mail were dismissed, a 16% dismissal rate.

Below are the summaries of tickets contested “in person” and “by mail” from the **Southbound** approach of **Archer Ave and Harlem Ave** from January 2015 to December 2015.

In Person Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2015 - 01/31/2015	8	7	1	13%
02/01/2015 - 02/28/2015	14	14	0	0%
03/01/2015 - 03/31/2015	2	2	0	0%
04/01/2015 - 04/30/2015	6	5	1	17%
05/01/2015 - 05/31/2015	8	8	0	0%
06/01/2015 - 06/30/2015	14	10	4	29%
07/01/2015 - 07/31/2015	7	6	1	14%
08/01/2015 - 08/31/2015	14	13	1	7%
09/01/2015 - 09/30/2015	14	13	1	7%
10/01/2015 - 10/31/2015	32	26	6	19%
11/01/2015 - 11/30/2015	14	12	2	14%
12/01/2015 - 12/31/2015	15	14	1	7%
Total	148	130	18	12%

As indicated in the table above, 148 contested tickets were reviewed by one or more Hearing Officers during the above referenced period. The Hearing Officer(s) dismissed 18 of the contested tickets, a 12% total dismissal rate.

By Mail Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2015 - 01/31/2015	11	10	1	9%
02/01/2015 - 02/28/2015	12	9	3	25%
03/01/2015 - 03/31/2015	4	2	2	50%
04/01/2015 - 04/30/2015	12	10	2	17%
05/01/2015 - 05/31/2015	5	5	0	0%
06/01/2015 - 06/30/2015	16	15	1	6%
07/01/2015 - 07/31/2015	18	16	2	11%
08/01/2015 - 08/31/2015	26	23	3	12%
09/01/2015 - 09/30/2015	1	1	0	0%
10/01/2015 - 10/31/2015	53	45	8	15%
11/01/2015 - 11/30/2015	9	8	1	11%
12/01/2015 - 12/31/2015	12	10	2	17%
Total	179	154	25	14%

As indicated in the table above, 179 tickets were contested by mail during the above referenced period. 25 contests by mail were dismissed, a 14% dismissal rate.

Below are the summaries of tickets contested “in person” and “by mail” from the **Southbound** approach of **Archer Ave and Harlem Ave** from January 2016 to December 2016.

In Person Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2016 - 01/31/2016	15	12	3	20%
02/01/2016 - 02/29/2016	11	9	2	18%
03/01/2016 - 03/31/2016	9	7	2	22%
04/01/2016 - 04/30/2016	10	7	3	30%
05/01/2016 - 05/31/2016	4	3	1	25%
06/01/2016 - 06/30/2016	11	10	1	9%
07/01/2016 - 07/31/2016	21	17	4	19%
08/01/2016 - 08/31/2016	11	11	0	0%
09/01/2016 - 09/30/2016	7	7	0	0%
10/01/2016 - 10/31/2016	8	7	1	13%
11/01/2016 - 11/30/2016	8	7	1	13%
12/01/2016 - 12/31/2016	8	8	0	0%
Total	123	105	18	15%

As indicated in the table above, 123 tickets notices were reviewed by one or more Hearing Officers during the above referenced period. The Hearing Officer(s) dismissed 18 of the contested tickets, a 15% total dismissal rate.

By Mail Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2016 - 01/31/2016	37	32	5	14%
02/01/2016 - 02/29/2016	6	5	1	17%
03/01/2016 - 03/31/2016	4	4	0	0%
04/01/2016 - 04/30/2016	10	8	2	20%
05/01/2016 - 05/31/2016	7	5	2	29%
06/01/2016 - 06/30/2016	17	12	5	29%
07/01/2016 - 07/31/2016	15	13	2	13%
08/01/2016 - 08/31/2016	21	20	1	5%
09/01/2016 - 09/30/2016	12	12	0	0%
10/01/2016 - 10/31/2016	11	10	1	9%
11/01/2016 - 11/30/2016	18	16	2	11%
12/01/2016 - 12/31/2016	26	23	3	12%
Total	184	160	24	13%

As indicated in the table above, 184 tickets were contested by mail during the above referenced period. 24 contests by mail were dismissed, a 13% dismissal rate.

Below are the summaries of tickets contested “in person” and “by mail” from the **Southbound** approach of **Archer Ave and Harlem Ave** from January 2017 to December 2017.

In Person Contest

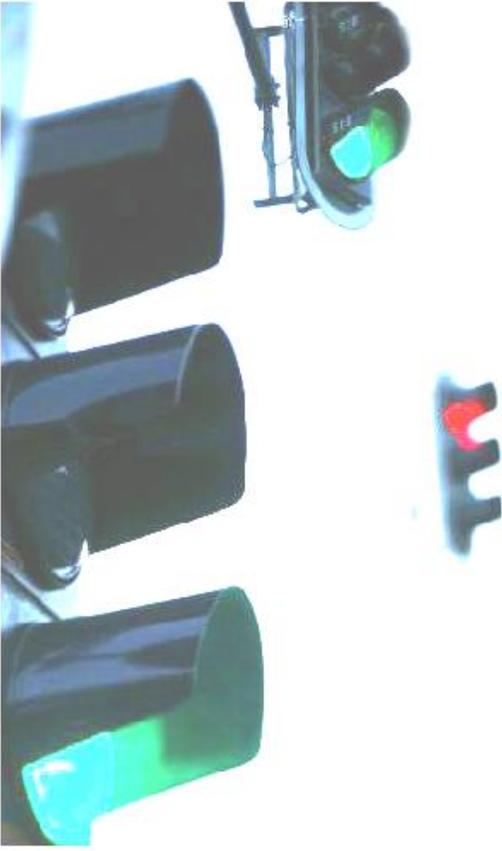
Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2017 - 01/31/2017	5	5	0	0%
02/01/2017 - 02/28/2017	14	10	4	29%
03/01/2017 - 03/31/2017	7	7	0	0%
04/01/2017 - 04/30/2017	8	6	2	25%
05/01/2017 - 05/31/2017	8	8	0	0%
06/01/2017 - 06/30/2017	7	7	0	0%
07/01/2017 - 07/31/2017	11	11	0	0%
08/01/2017 - 08/31/2017	10	8	2	20%
09/01/2017 - 09/30/2017	5	4	1	20%
10/01/2017 - 10/31/2017	15	13	2	13%
11/01/2017 - 11/30/2017	10	10	0	0%
12/01/2017 - 12/31/2017	13	10	3	23%
Total	113	99	14	12%

As indicated in the table above, 113 tickets notices were reviewed by one or more Hearing Officers during the above referenced period. The Hearing Officer(s) dismissed 14 of the contested tickets, a 12% total dismissal rate.

By Mail Contest

Date	Total Contests	Found Guilty	Dismissed	Dismiss Ratio
01/01/2017 - 01/31/2017	7	7	0	0%
02/01/2017 - 02/28/2017	13	12	1	8%
03/01/2017 - 03/31/2017	5	5	0	0%
04/01/2017 - 04/30/2017	10	10	0	0%
05/01/2017 - 05/31/2017	7	6	1	14%
06/01/2017 - 06/30/2017	13	11	2	15%
07/01/2017 - 07/31/2017	13	12	1	8%
08/01/2017 - 08/31/2017	12	11	1	8%
09/01/2017 - 09/30/2017	15	15	0	0%
10/01/2017 - 10/30/2017	0	0	0	N/A
11/01/2017 - 11/30/2017	17	13	4	24%
12/01/2017 - 12/31/2017	21	19	2	10%
Total	133	121	12	9%

As indicated in the table above, 133 tickets were contested by mail during the above referenced period. 12 contests by mail were dismissed, a 9% dismissal rate.



5. Report Summary and Recommendation

The **Village of Summit** uses state-of-the-art digital cameras provided by SafeSpeed, LLC to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **Village of Summit** is conducted in a courteous, professional and timely manner and is in compliance with the RLR regulations laid out by the Illinois Department of Transportation District 1 Bureau of Traffic Operations.

From 2010-2012, prior to RLR camera installation, the combined average of ADTC at this intersection was 152,933. From 2014-2017, post RLR camera installation, the combined average of ADTC was 142,450, resulting in a decrease of 6.85% from the time period aforementioned. (See tab 3)

From 2009-2012, prior to RLR camera installation, there were 116 total crashes. This averages out to 29 crashes a year. From 2014-2017, post RLR camera installation, there were 108 total crashes. This averages out to 27 crashes per year, resulting in a 6.9% reduction of overall crashes from the time period aforementioned. (See tab 2)

After analyzing all of the available data, we believe that the RLR cameras currently in operation at the **Eastbound** and **Southbound** approaches of **Archer Ave and Harlem Ave** in the **Village of Summit** continue to make a positive impact on 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.