



Rt. 83 and 22nd St

<Eastbound and Southbound>



Oakbrook Terrace, IL RLR 3 Year Follow-Up Evaluation Report

Reference No: 022-57459

June 2022

Casey Calvello
Chief of Police



Dial 911
Administrative Phone
(630) 941-8320
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17W261 Butterfield Road
Oakbrook Terrace, Illinois 60181

June 7, 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
Illinois Route 83 and 22nd Street
City of Oakbrook Terrace
Ref #: 022-57459

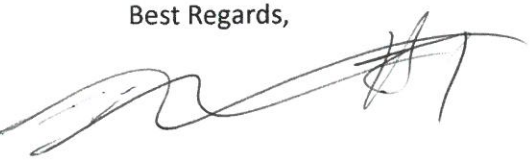
Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 Year RLR Follow-Up Evaluation Report for the intersection of Illinois Route 83 and 22nd Street, Oakbrook Terrace, 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 (630) 941-8320, ccalvello@oakbrookterrace.net.

Best Regards,



On behalf of the City of Oakbrook Terrace
Casey Calvello
Chief of Police

Evaluation Checklist

RLR FOLLOW-UP EVALUATION REPORT CHECKLIST

Reference Number:			Date:
Location:			Firm:
Yes	No	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intersection location and RLR camera approaches identified
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Date of RLR camera implementation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RLR camera system manufacturer and contractor name
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crash data including 3 years prior to RLR camera installation with post period crash data
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Analysis of crash data
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signal timing changes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Traffic volumes before and after RLR cameras
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Summary of adjudication experience and results

Table of Contents

1. RLR Camera Location, Live Date,
System Manufacturer and Contractors
2. RLR Crash Data and Analysis
3. Traffic Volume
4. Summary of Adjudication
5. Report Summary and Recommendation



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

In 2016, the **City of Oakbrook Terrace** 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 **RT. 83 and 22nd St.**

- Date on which the cameras went live: **08/2017**
- Year in which the 1 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: Michael Knutson Phone: (708) 588-2500 Email: mkk@meade100.com</p>
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2. RLR Crash Data and Analysis

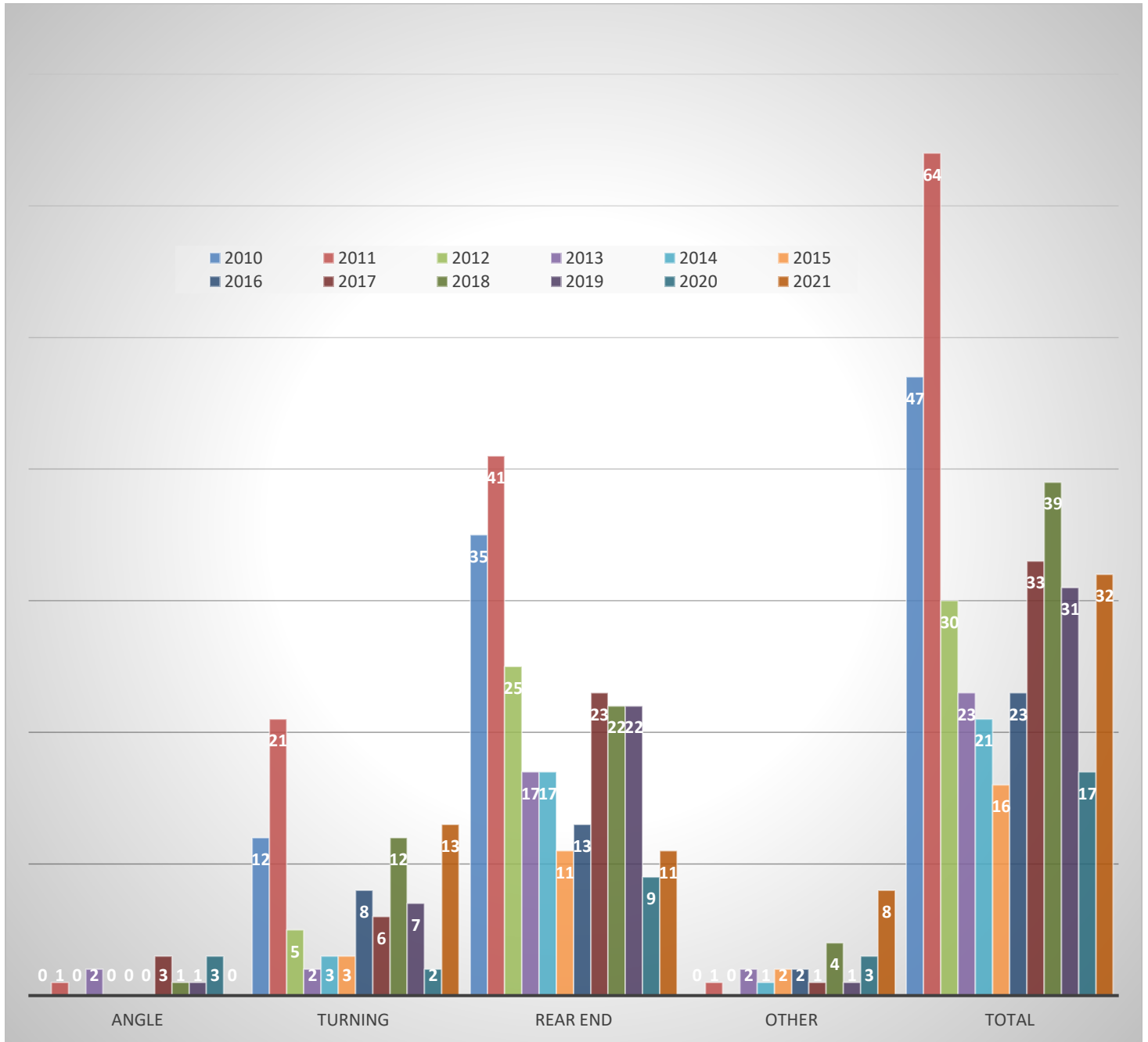
The table below shows a summary of motor vehicle crashes at the intersection of **RT. 83 and 22nd St** over a span of 11 years*.

	Angle	Turning	Rear End	Sideswipe	Fixed/Other Object	Total
2010	0	12	35	0	0	47
2011	1	21	41	1	0	64
2012	0	5	25	0	0	30
2013	2	2	17	1	1	23
2014	0	3	17	0	1	21
2015	0	3	11	0	2	16
2016	0	8	13	2	0	23
2017	3	6	23	0	1	33
2018	1	12	22	3	1	39
2019	1	7	22	1	0	31
2020	3	2	9	3	0	17
2021	0	13	11	4	4	32

- The data from 2010-2016 shows the period prior to the installation of the RLR cameras.
- The data from 2017 shows the year in which the RLR cameras were installed.
- The data from 2018-2021 shows the period following the installation.

* DISCLAIMER: The motor vehicle crash data referenced herein was provided by the Illinois Department of Transportation. Any conclusions drawn from analysis of the aforementioned data are the sole responsibility of the data recipient(s). Additionally, for coding years 2015 to present, the Bureau of Data Collection uses the exact latitude/longitude supplied by the investigating law enforcement agency to locate crashes. Therefore, location data may vary in previous years since data prior to 2015 was physically located by bureau personnel.

The Chart below shows the trend of each crash type from 2010-2021.



		Before Installation						After Installation				
Type \ Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Angle	0	1	0	2	0	0	0	3	1	1	3	0
Turning	12	21	5	2	3	3	8	6	12	7	2	13
Rear End	35	41	25	17	17	11	13	23	22	22	9	11
Other*	0	1	0	2	1	2	2	1	4	1	3	8
Total	47	64	30	23	21	16	23	33	39	31	17	32
Yearly Average	32						29.75					

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

From 2010-2016, prior to RLR camera installation, there were 224 total crashes; this averages out to 32 crashes a year.

From 2018-2021, post RLR camera installation, there were 119 total crashes; this averages out to 29.75 crashes per year - a 7.03% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2010-2021. The complete crash data can be obtained by contacting the IDOT via DOT.DTS.DataRequests@illinois.gov.

Collision Diagram

1/1/2010 to 12/31/2010

Crash Route: IL083 | From MileStation 42.34 to 42.34 | County : DuPage | 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
47	0	0	5	6	36	0	17	0	6	11

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	12	25.5%	Monday	3	6.4%	01 AM	1	2.1%	Passenger	77	76.2%
11-Rear end	35	74.5%	Tuesday	3	6.4%	07 AM	5	10.6%	Pickup	5	5.0%
TOTAL:	47		Wednesday	7	14.9%	08 AM	2	4.3%	Sport utility vehicle (SUV)	15	14.9%
			Thursday	10	21.3%	10 AM	1	2.1%	Truck – single unit	1	1.0%
			Friday	11	23.4%	11 AM	3	6.4%	Van/mini van	3	3.0%
			Saturday	9	19.1%	Noon	4	8.5%	TOTAL:	101	
			Sunday	4	8.5%	1 PM	5	10.6%			
			TOTAL:	47		2 PM	1	2.1%			
						3 PM	3	6.4%			
						4 PM	8	17.0%			
						5 PM	2	4.3%			
						6 PM	3	6.4%			
						7 PM	3	6.4%			
						8 PM	1	2.1%			
						9 PM	3	6.4%			
						10 PM	2	4.3%			
						TOTAL:	47				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	45	95.7%	Darkness	4	8.5%	Dry	41	87.2%	East	34	33.7%
Rain	1	2.1%	Darkness/Lighted road	7	14.9%	Snow or slush	2	4.3%	North	22	21.8%

Collision Diagram

1/1/2011 to 12/31/2011

Crash Route: IL083 | From MileStation 42.34 to 42.34 | County : DuPage | 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
64	0	0	9	10	45	0	26	0	14	12

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
10-Turning	21	32.8%	Monday	12	18.8%	Midnight	1	1.6%	Other	1	0.7%
11-Rear end	41	64.1%	Tuesday	12	18.8%	06 AM	1	1.6%	Passenger	97	72.4%
12-Sideswipe same direction	1	1.6%	Wednesday	8	12.5%	07 AM	3	4.7%	Pickup	4	3.0%
15-Angle	1	1.6%	Thursday	6	9.4%	08 AM	3	4.7%	Sport utility vehicle (SUV)	21	15.7%
TOTAL:	64		Friday	9	14.1%	09 AM	2	3.1%	Tractor w/ semi-trailer	3	2.2%
			Saturday	10	15.6%	10 AM	2	3.1%	Truck – single unit	1	0.7%
			Sunday	7	10.9%	11 AM	4	6.3%	Unknown/NA	1	0.7%
			TOTAL:	64		Noon	11	17.2%	Van/mini van	6	4.5%
						1 PM	4	6.3%	TOTAL:	134	
						2 PM	4	6.3%			
						3 PM	1	1.6%			
						4 PM	7	10.9%			
						5 PM	5	7.8%			
						6 PM	8	12.5%			
						7 PM	3	4.7%			
						9 PM	2	3.1%			
						10 PM	1	1.6%			
						11 PM	2	3.1%			
						TOTAL:	64				

Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: IL083 | From MileStation 42.34 to 42.34 | County : DuPage | 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>1</u>	<u>5</u>	<u>6</u>	<u>18</u>	<u>0</u>	<u>20</u>	<u>1</u>	<u>6</u>	<u>13</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	25	83.3%	Monday	4	13.3%	05 AM	1	3.3%	Passenger	41	66.1%
Turning	5	16.7%	Tuesday	3	10.0%	06 AM	1	3.3%	Pickup	1	1.6%
TOTAL:	30		Wednesday	8	26.7%	07 AM	1	3.3%	SUV	9	14.5%
			Thursday	6	20.0%	08 AM	2	6.7%	Tractor With Semi-Trailer	1	1.6%
			Friday	2	6.7%	09 AM	4	13.3%	Truck Single Unit	2	3.2%
			Saturday	5	16.7%	10 AM	3	10.0%	Unknown	1	1.6%
			Sunday	2	6.7%	11 AM	1	3.3%	Van/Mini-Van	7	11.3%
			TOTAL:	30		Noon	1	3.3%	TOTAL:	62	
						1 PM	1	3.3%			
						2 PM	4	13.3%			
						4 PM	3	10.0%			
						5 PM	2	6.7%			
						6 PM	4	13.3%			
						9 PM	1	3.3%			
						11 PM	1	3.3%			
						TOTAL:	30				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	28	93.3%	Darkness	2	6.7%	Dry	24	80.0%	East	17	27.4%
Rain	2	6.7%	Darkness, Lighted Road	4	13.3%	Wet	6	20.0%	North	13	21.0%
TOTAL:	30		Dawn	1	3.3%	TOTAL:	30		Northeast	6	9.7%

Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: IL083 | From MileStation 42.34 to 42.34 | County : DuPage | 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>3</u>	<u>5</u>	<u>2</u>	<u>13</u>	<u>0</u>	<u>18</u>	<u>5</u>	<u>10</u>	<u>3</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	2	8.7%	Monday	2	8.7%	08 AM	1	4.3%	Bus Over 15 Passengers	1	2.1%
Fixed Object	1	4.3%	Tuesday	7	30.4%	10 AM	1	4.3%	Passenger	35	74.5%
Rear End	17	73.9%	Wednesday	5	21.7%	11 AM	4	17.4%	Pickup	3	6.4%
Sideswipe Same Direction	1	4.3%	Thursday	1	4.3%	Noon	2	8.7%	SUV	5	10.6%
Turning	2	8.7%	Friday	5	21.7%	1 PM	5	21.7%	Truck Single Unit	1	2.1%
TOTAL:	23		Sunday	3	13.0%	4 PM	3	13.0%	Van/Mini-Van	2	4.3%
			TOTAL:	23		5 PM	2	8.7%	TOTAL:	47	
						7 PM	2	8.7%			
						8 PM	1	4.3%			
						10 PM	2	8.7%			
						TOTAL:	23				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	17	73.9%	Darkness	1	4.3%	Dry	17	73.9%	East	14	29.8%
Cloudy/Overcast	2	8.7%	Darkness/ Lighted Road	5	21.7%	Ice	2	8.7%	North	12	25.5%
Rain	1	4.3%	Daylight	17	73.9%	Snow or Slush	1	4.3%	South	5	10.6%
Snow	3	13.0%	TOTAL:	23		Wet	3	13.0%	Southwest	4	8.5%
TOTAL:	23					TOTAL:	23		West	12	25.5%
									TOTAL:	47	

Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL083 | From MileStation 42.34 to 42.34 | County : DuPage | 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
21	0	0	1	4	16	0	9	0	1	8

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	4.8%	Monday	6	28.6%	08 AM	3	14.3%	Other Vehicle With Trailer	1	2.3%
Rear End	17	81.0%	Tuesday	4	19.0%	09 AM	1	4.8%	Passenger	26	60.5%
Turning	3	14.3%	Wednesday	1	4.8%	10 AM	1	4.8%	Pickup	2	4.7%
TOTAL:	21		Thursday	3	14.3%	11 AM	2	9.5%	SUV	11	25.6%
			Friday	1	4.8%	1 PM	2	9.5%	Truck Single Unit	1	2.3%
			Saturday	6	28.6%	2 PM	3	14.3%	Unknown	2	4.7%
			TOTAL:	21		3 PM	1	4.8%	TOTAL:	43	
						4 PM	5	23.8%			
						6 PM	1	4.8%			
						7 PM	1	4.8%			
						11 PM	1	4.8%			
						TOTAL:	21				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	16	76.2%	Darkness	1	4.8%	Dry	15	71.4%	East	16	37.2%
Cloudy/Overcast	2	9.5%	Darkness/Lighted Road	5	23.8%	Snow or Slush	1	4.8%	North	7	16.3%
Rain	1	4.8%	Daylight	14	66.7%	Unknown	1	4.8%	Northeast	5	11.6%
Snow	1	4.8%	Unknown	1	4.8%	Wet	4	19.0%	Northwest	2	4.7%
Unknown	1	4.8%	TOTAL:	21		TOTAL:	21		South	3	7.0%
TOTAL:	21								Southwest	3	7.0%

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2898414.69951586 : YCoordinate 1894353.89948841 | Foot Tolerance : 250 | County : DuPage | 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>1</u>	<u>1</u>	<u>4</u>	<u>10</u>	<u>0</u>	<u>8</u>	<u>1</u>	<u>1</u>	<u>6</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	2	12.5%	Monday	1	6.3%	06 AM	1	6.3%	Passenger	17	54.8%
Rear End	11	68.8%	Tuesday	3	18.8%	08 AM	2	12.5%	Pickup	1	3.2%
Turning	3	18.8%	Wednesday	3	18.8%	09 AM	1	6.3%	SUV	10	32.3%
TOTAL:	16		Thursday	3	18.8%	11 AM	2	12.5%	Tractor With Semi-Trailer	1	3.2%
			Friday	4	25.0%	Noon	1	6.3%	Van/Mini-Van	2	6.5%
			Saturday	1	6.3%	1 PM	2	12.5%	TOTAL:	31	
			Sunday	1	6.3%	2 PM	1	6.3%			
			TOTAL:	16		3 PM	3	18.8%			
						5 PM	1	6.3%			
						9 PM	1	6.3%			
						11 PM	1	6.3%			
						TOTAL:	16				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	12	75.0%	Darkness	2	12.5%	Dry	11	68.8%	East	4	12.9%
Cloudy/Overcast	1	6.3%	Darkness, Lighted Road	1	6.3%	Snow or Slush	4	25.0%	North	6	19.4%
Rain	1	6.3%	Daylight	13	81.3%	Wet	1	6.3%	South	11	35.5%
Snow	2	12.5%	TOTAL:	16		TOTAL:	16		Southwest	2	6.5%
TOTAL:	16										

Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2898414.69951586 : YCoordinate 1894353.89948841 | Foot Tolerance : 250 | County : DuPage | 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>0</u>	<u>2</u>	<u>4</u>	<u>17</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>2</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Rear End	13	56.5%	Monday	2	8.7%	05 AM	1	4.3%	Passenger	25	52.1%
Sideswipe Same Direction	2	8.7%	Tuesday	5	21.7%	08 AM	1	4.3%	Pickup	2	4.2%
Turning	8	34.8%	Wednesday	5	21.7%	09 AM	1	4.3%	SUV	18	37.5%
TOTAL:	23		Thursday	5	21.7%	Noon	3	13.0%	Van/Mini-Van	3	6.3%
			Friday	2	8.7%	1 PM	1	4.3%	TOTAL:	48	
			Saturday	2	8.7%	2 PM	1	4.3%			
			Sunday	2	8.7%	3 PM	3	13.0%			
			TOTAL:	23		4 PM	4	17.4%			
						5 PM	3	13.0%			
						6 PM	3	13.0%			
						8 PM	1	4.3%			
						10 PM	1	4.3%			
						TOTAL:	23				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	20	87.0%	Darkness, Lighted Road	5	21.7%	Dry	16	69.6%	East	4	8.3%
Rain	2	8.7%	Dawn	1	4.3%	Unknown	1	4.3%	North	17	35.4%
Unknown	1	4.3%	Daylight	16	69.6%	Wet	6	26.1%	Northwest	2	4.2%
TOTAL:	23					TOTAL:	23		South	13	27.1%

Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2898414.69951586 : YCoordinate 1894353.89948841 | Foot Tolerance : 250 | County : DuPage | 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>33</u>	<u>0</u>	<u>1</u>	<u>4</u>	<u>3</u>	<u>25</u>	<u>0</u>	<u>12</u>	<u>1</u>	<u>6</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	9.1%	Monday	4	12.1%	02 AM	2	6.1%	Passenger	48	68.6%
Fixed Object	1	3.0%	Tuesday	1	3.0%	04 AM	1	3.0%	Pickup	2	2.9%
Rear End	23	69.7%	Wednesday	5	15.2%	05 AM	2	6.1%	SUV	14	20.0%
Turning	6	18.2%	Thursday	2	6.1%	06 AM	1	3.0%	Tractor With Semi-Trailer	2	2.9%
TOTAL:	33		Friday	8	24.2%	07 AM	1	3.0%	Unknown	1	1.4%
			Saturday	9	27.3%	08 AM	1	3.0%	Van/Mini-Van	3	4.3%
			Sunday	4	12.1%	09 AM	3	9.1%	TOTAL:	70	
			TOTAL:	33		11 AM	4	12.1%			
						Noon	2	6.1%			
						1 PM	1	3.0%			
						2 PM	1	3.0%			
						3 PM	1	3.0%			
						4 PM	3	9.1%			
						5 PM	4	12.1%			
						6 PM	2	6.1%			
						7 PM	3	9.1%			
						8 PM	1	3.0%			
						TOTAL:	33				

Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2898414.69951586 : YCoordinate 1894353.89948841 | Foot Tolerance : 250 | County : DuPage | 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>39</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>5</u>	<u>32</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>2</u>	<u>8</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	2.6%	Monday	3	7.7%	Midnight	2	5.1%	Motorcycle (Over 150cc)	1	1.3%
Fixed Object	1	2.6%	Tuesday	5	12.8%	01 AM	1	2.6%	Other Vehicle With Trailer	1	1.3%
Rear End	22	56.4%	Wednesday	5	12.8%	04 AM	1	2.6%	Passenger	49	61.3%
Sideswipe Same Direction	3	7.7%	Thursday	11	28.2%	06 AM	2	5.1%	Pickup	2	2.5%
Turning	12	30.8%	Friday	6	15.4%	08 AM	2	5.1%	SUV	23	28.8%
TOTAL:	39		Saturday	5	12.8%	10 AM	2	5.1%	Tractor With Semi-Trailer	2	2.5%
			Sunday	4	10.3%	11 AM	1	2.6%	Van/Mini-Van	2	2.5%
			TOTAL:	39		Noon	4	10.3%	TOTAL:	80	
						1 PM	1	2.6%			
						2 PM	1	2.6%			
						3 PM	5	12.8%			
						4 PM	2	5.1%			
						5 PM	9	23.1%			
						6 PM	2	5.1%			
						9 PM	1	2.6%			
						10 PM	3	7.7%			
						TOTAL:	39				

Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2898414.764 : YCoordinate 1894357.059 | Foot Tolerance : 250 | County : DuPage | 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>31</u>	<u>1</u>	<u>0</u>	<u>2</u>	<u>4</u>	<u>24</u>	<u>1</u>	<u>7</u>	<u>0</u>	<u>2</u>	<u>5</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	3.2%	Monday	3	9.7%	05 AM	1	3.2%	Bus over 15 seats	1	1.6%
Front to Rear	22	71.0%	Tuesday	7	22.6%	06 AM	1	3.2%	Passenger	34	54.8%
Sideswipe Same Direction	1	3.2%	Wednesday	5	16.1%	07 AM	2	6.5%	Pickup	3	4.8%
Turning	7	22.6%	Thursday	3	9.7%	08 AM	3	9.7%	SUV	17	27.4%
TOTAL:	31		Friday	5	16.1%	10 AM	3	9.7%	Tractor With Semi-Trailer	3	4.8%
			Saturday	5	16.1%	Noon	5	16.1%	Truck Single Unit	1	1.6%
			Sunday	3	9.7%	1 PM	2	6.5%	Van/Mini-Van	3	4.8%
			TOTAL:	31		2 PM	2	6.5%	TOTAL:	62	
						3 PM	2	6.5%			
						4 PM	3	9.7%			
						5 PM	4	12.9%			
						9 PM	1	3.2%			
						10 PM	1	3.2%			
						11 PM	1	3.2%			
						TOTAL:	31				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	21	67.7%	Darkness, Lighted Road	7	22.6%	Dry	21	67.7%	East	14	22.6%
Cloudy/Overcast	2	6.5%	Dawn	1	3.2%	Ice	1	3.2%	North	4	6.5%

Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2898392.454 : YCoordinate 1894383.501 | Foot Tolerance : 250 | County : DuPage | 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
17	0	0	1	2	14	0	4	0	2	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	3	17.6%	Monday	2	11.8%	Midnight	1	5.9%	Motorcycle	1	2.9%
Front to Rear	9	52.9%	Tuesday	1	5.9%	05 AM	3	17.6%	Passenger	24	68.6%
Sideswipe Same Direction	3	17.6%	Wednesday	3	17.6%	06 AM	1	5.9%	Pickup	2	5.7%
Turning	2	11.8%	Thursday	1	5.9%	09 AM	1	5.9%	SUV	5	14.3%
TOTAL:	17		Friday	3	17.6%	11 AM	1	5.9%	Tractor With Semi-Trailer	1	2.9%
			Saturday	3	17.6%	Noon	1	5.9%	Van/Mini-Van	2	5.7%
			Sunday	4	23.5%	1 PM	2	11.8%	TOTAL:	35	
			TOTAL:	17		2 PM	2	11.8%			
						3 PM	2	11.8%			
						5 PM	2	11.8%			
						9 PM	1	5.9%			
						TOTAL:	17				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	14	82.4%	Darkness, Lighted Road	2	11.8%	Dry	14	82.4%	East	5	14.3%
Cloudy/Overcast	1	5.9%	Dawn	1	5.9%	Wet	3	17.6%	North	12	34.3%
Freezing Rain	1	5.9%	Daylight	13	76.5%	TOTAL:	17		South	13	37.1%
Rain	1	5.9%	Dusk	1	5.9%				West	5	14.3%
TOTAL:	17		TOTAL:	17					TOTAL:	35	

Coordinate Collision Diagram Report

1/1/2021 to 12/31/2021

For XCoordinate 2898403.196 : YCoordinate 1894384.327 | Foot Tolerance : 250 | County : DuPage | 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>32</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>6</u>	<u>26</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>8</u>

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	3	9.4%	Monday	5	15.6%	Midnight	2	6.3%	Bus 9 to 15 seats	1	1.6%
Front to Rear	10	31.3%	Tuesday	3	9.4%	07 AM	3	9.4%	Passenger	41	66.1%
Other Object	1	3.1%	Wednesday	7	21.9%	08 AM	1	3.1%	Pickup	4	6.5%
Rear to Front	1	3.1%	Thursday	5	15.6%	10 AM	2	6.3%	SUV	9	14.5%
Sideswipe Same Direction	4	12.5%	Friday	8	25.0%	11 AM	2	6.3%	Truck Single Unit	1	1.6%
Turning	13	40.6%	Saturday	4	12.5%	Noon	4	12.5%	Van/Mini-Van	6	9.7%
TOTAL:	32		TOTAL:	32		1 PM	1	3.1%	TOTAL:	62	
						2 PM	3	9.4%			
						3 PM	1	3.1%			
						4 PM	2	6.3%			
						5 PM	4	12.5%			
						6 PM	1	3.1%			
						7 PM	3	9.4%			
						9 PM	1	3.1%			
						10 PM	2	6.3%			
						TOTAL:	32				
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	26	81.3%	Darkness, Lighted Road	9	28.1%	Dry	24	75.0%	East	7	11.3%



3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **RT. 83 and 22nd St** 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 2009-2016 shows the period prior to the installation of the RLR cameras.
- The data from 2017 shows the year in which the RLR cameras were installed.
- The data from 2018-2021 shows the period following the installation.

	Year \ Direction	Eastbound	Westbound	Northbound	Southbound	Combined	Combined Avg
Before Installation	2009	38,900	29,700	70,700	56,000	195,300	196,213
	2010	38,900	29,700	70,700	56,000	195,300	
	2011	38,900	29,700	60,900	55,000	184,500	
	2012	42,500	29,900	60,900	55,000	188,300	
	2013	42,500	29,900	72,300	56,400	201,100	
	2014	42,500	29,900	72,300	56,400	201,100	
	2015	42,500	29,900	72,300	56,400	201,100	
	2016	40,500	33,800	72,300	56,400	203,000	
	2017	40,500	33,800	63,400	56,400	194,100	
After Installation	2018	40,500	33,800	63,400	56,400	194,100	162,325
	2019	40,500	33,800	56,800	49,700	180,800	
	2020	13,900	10,500	56,800	49,700	130,900	
	2021	25,400	56,000	34,300	27,800	143,500	

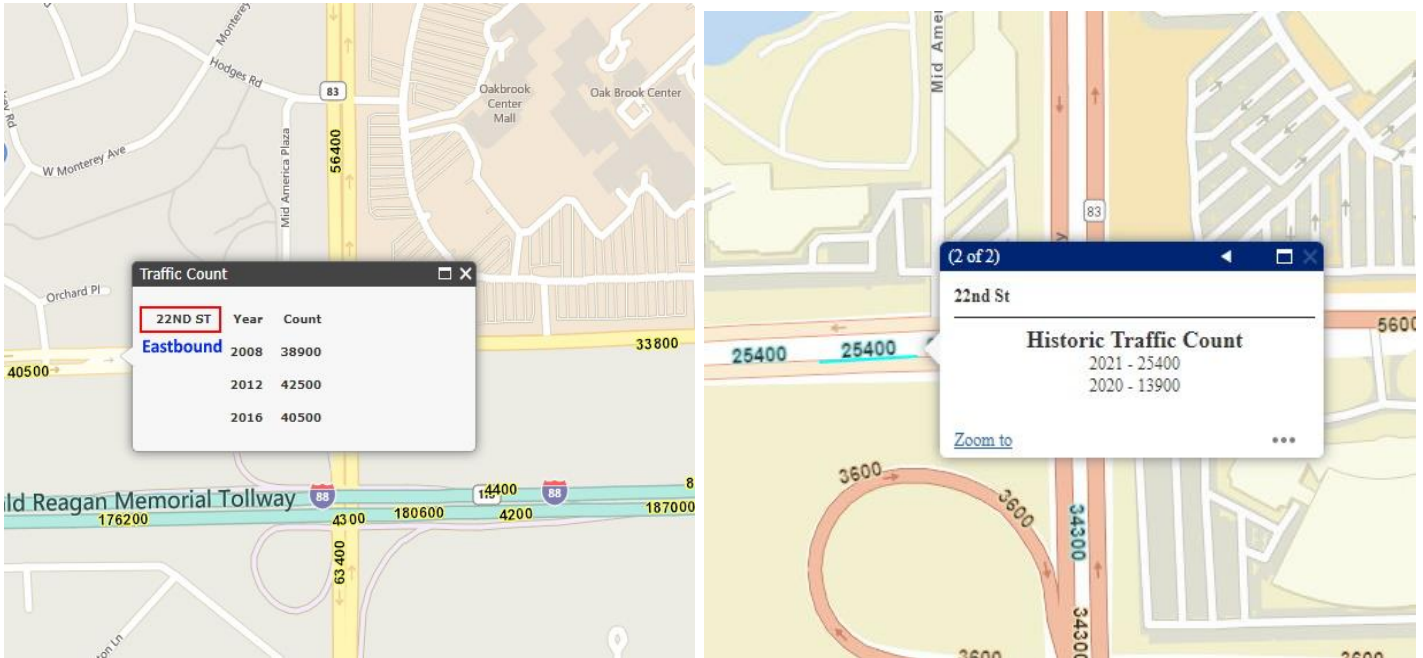
From 2009-2016, prior to RLR camera installation, the combined average of ADTC was 196,213.

From 2018-2021, post RLR camera installation, the combined average of ADTC was 162,325 – a reduction of 17.27%.

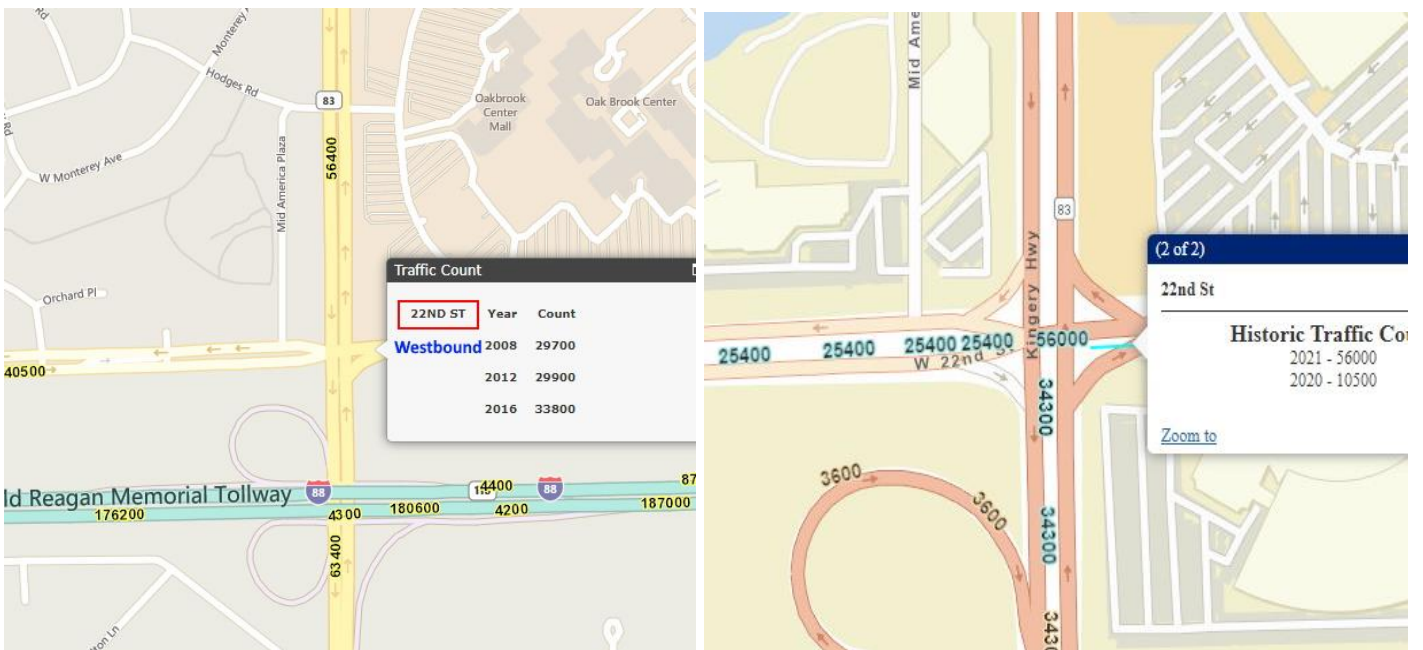
The following pages show the complete ADTC data from 2009-2021 obtained from the IDOT’s website.

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.

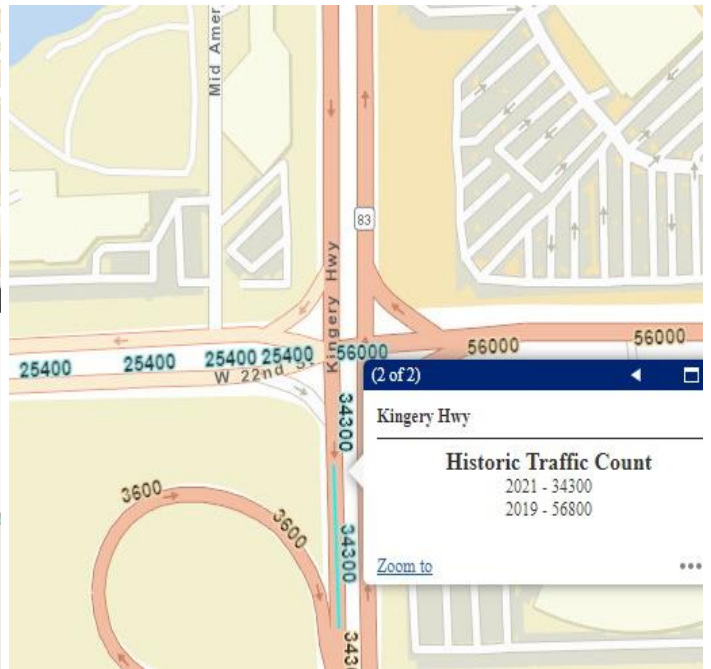
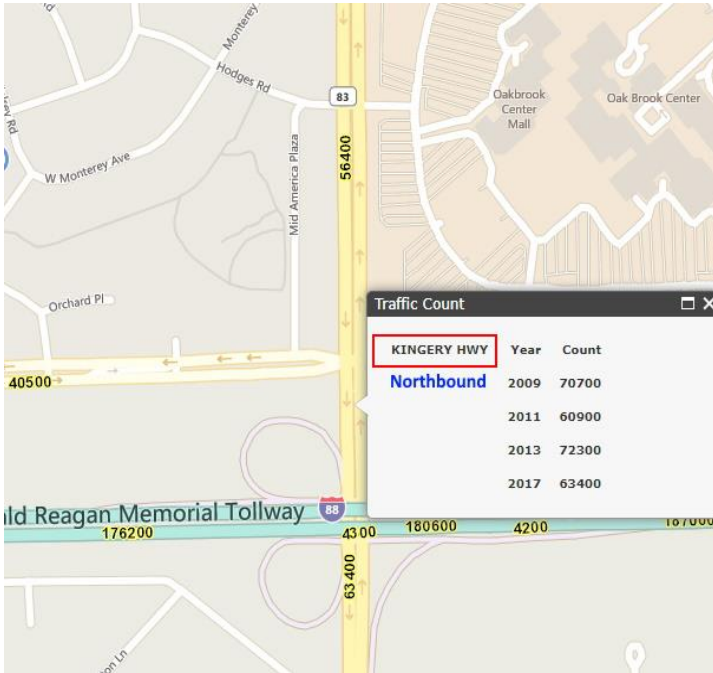
Eastbound ADTC



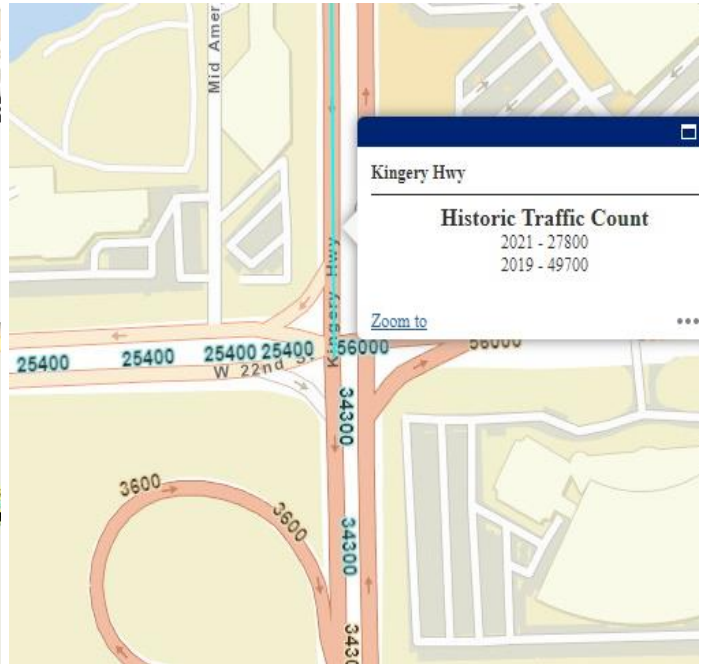
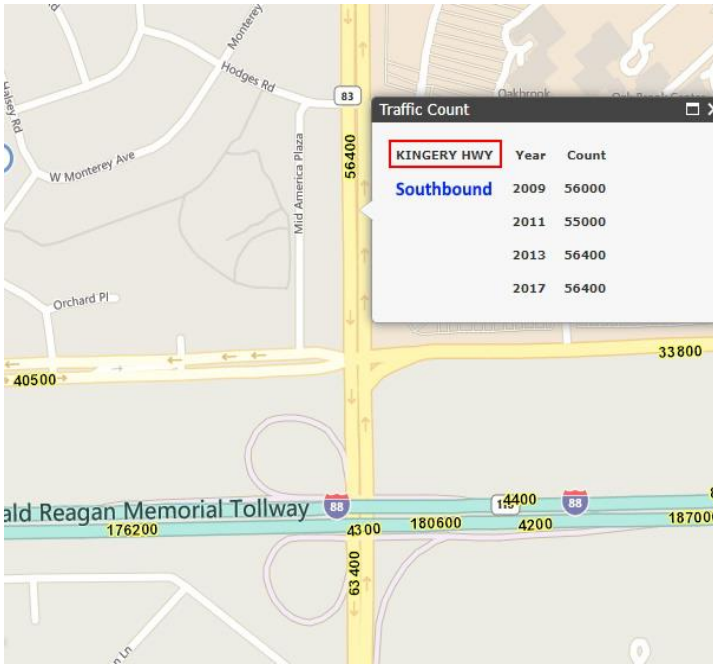
Westbound ADTC



Northbound ADTC



Southbound ADTC





4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Eastbound** approach of **RT. 83 and 22nd St** from 2019 to 2021.

	2019	2020	2021
In Person	492	325	229
By Mail	883	568	492

The summary of tickets contested “in person” and “by mail” for the **Southbound** approach of **RT. 83 and 22nd St** from 2019 to 2021.

	2019	2020	2021
In Person	314	210	99
By Mail	547	321	188



5. Report Summary and Recommendation

The **City of Oakbrook Terrace** used state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **City of Oakbrook Terrace** 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 2009-2016, prior to RLR camera installation, the combined average of ADTC was 196,213. From 2018-2021, post RLR camera installation, the combined average of ADTC was 162,325 – a reduction of 17.27%. (See tab 3)

From 2010-2016, prior to RLR camera installation, there were 224 total crashes; this averages out to 32 crashes a year. From 2018-2021, post RLR camera installation, there were 119 total crashes; this averages out to 29.75 crashes per year - a 7.03% reduction of overall crashes in direct comparison with the time period aforementioned. (See tab 2)

Following the installation of the RLR cameras, total crashes have gone down 7.03% with a reduction of 17.27% in the combined average of ADTC.

After analyzing all of the available data, we believe that the RLR cameras at the intersection of **RT. 83 and 22nd St** in the **City of Oakbrook Terrace** were 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, and become operational again, as an integral part of a traffic system process that incorporates public education, enforcement and engineering. We are concerned if the cameras are not operational, crashes will increase.