



# Roosevelt Rd and Mannheim Rd <Westbound and Northbound>



## Westchester, IL RLR 3 Year Follow-Up Evaluation Report

Reference No: 016-59804

May 2022

**Daniel Babich**  
**Chief of Police**



**Westchester Police Department**  
10300 Roosevelt Rd  
Westchester, IL 60154  
Administration (708) 345-0060  
Emergency (708)345-2131 OR 911

May 24, 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  
Roosevelt Road and Mannheim Road (WB and NB)  
Village of Westchester  
Ref #: 016-59804

Dear Mr. Gallenbach:

Please find enclosed a copy of the 3 year RLR Follow-Up Evaluation Report for the intersection of Roosevelt Road and Mannheim Road in Westchester Illinois.

In this submittal, included are: RLR Camera Location, Implementation Date, System Manufacture and Contractors, RLR Crash Data and Analysis, Traffic Volume History, Summary of Adjudication, and Summary selection.

If you have any questions with regard to this submittal or require any additional information, please feel free to contact us at (708) 345-0060, [Rstieber@westchesterpolice.com](mailto:Rstieber@westchesterpolice.com)

Best Regards,

A handwritten signature in black ink that reads "Daniel Babich". The script is cursive and fluid.

On behalf of the Village of Westchester  
Daniel Babich  
Chief of Police

## 3 Year Evaluation Checklist

### RLR FOLLOW-UP EVALUATION REPORT CHECKLIST

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

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

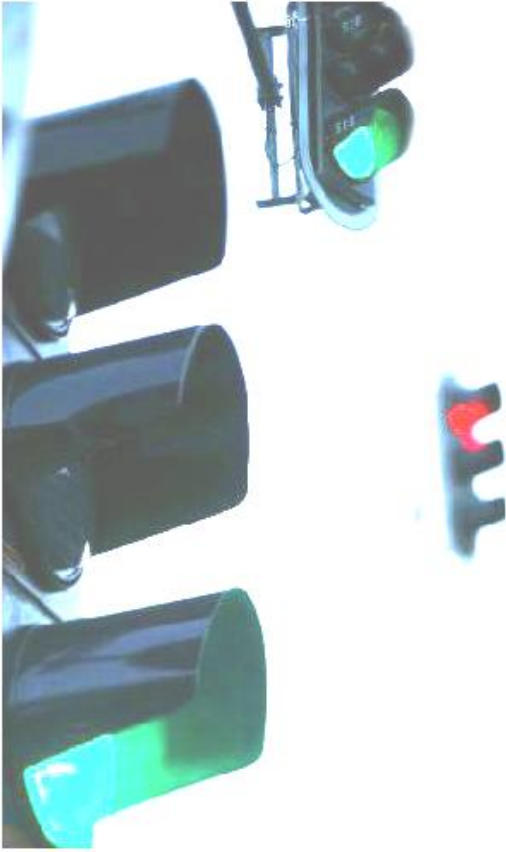
In 2013, the **Village of Westchester** received approval from the Illinois Department of Transportation (IDOT) to install the current Red Light Running (RLR) cameras on the **Westbound and Northbound** approaches at the intersection of **Roosevelt Rd and Mannheim Rd.**

- Date on which the cameras went live on the Westbound and Northbound approaches: **11/2013**
- Year in which the 1 Year Follow-Up Evaluation Report was submitted to the IDOT: **2015**
- Year in which the 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><b>SafeSpeed, LLC</b><br/>150 North Wacker Drive<br/>Floor 8<br/>Chicago, IL 60606</p> <p>Phone: (877) 237-2331<br/>Fax: (877) 237-2302<br/>Email: <a href="mailto:info@safespeedllc.com">info@safespeedllc.com</a><br/>Web: <a href="http://safespeedllc.com">safespeedllc.com</a></p> <p>Key Contact:<br/>Ryan Kim<br/>Phone: (312) 924-7248<br/>Email: <a href="mailto:rkim@safespeedllc.com">rkim@safespeedllc.com</a></p> | <p>Electrical Contractor</p> <p><b>Meade Electric Company</b><br/>625 Willowbrook Center Parkway<br/>Willowbrook, IL 60527</p> <p>Phone: (708) 588-2500<br/>Fax: (708) 588-2501<br/>Email: <a href="mailto:info@meadeelectric.com">info@meadeelectric.com</a><br/>Web: <a href="http://meadeelectric.com">meadeelectric.com</a></p> <p>Key Contact:<br/>Mr. Michael Knutson<br/>Phone: (708) 588-2500<br/>Email: <a href="mailto:mkk@meade100.com">mkk@meade100.com</a></p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## 2. RLR Crash Data and Analysis

The table below shows a summary of motor vehicle crashes at the intersection of **Roosevelt Rd and Mannheim Rd** over a span of 12 years\*.

|             | Angle | Turning | Rear End | Pedestrian | Sideswipe | Fixed/Other Object | Total |
|-------------|-------|---------|----------|------------|-----------|--------------------|-------|
| <b>2009</b> | 1     | 8       | 14       | 0          | 2         | 1                  | 26    |
| <b>2010</b> | 0     | 2       | 10       | 0          | 0         | 0                  | 12    |
| <b>2011</b> | 0     | 1       | 7        | 0          | 0         | 0                  | 8     |
| <b>2012</b> | 0     | 2       | 13       | 0          | 0         | 0                  | 15    |
| <b>2013</b> | 0     | 3       | 13       | 1          | 0         | 1                  | 18    |
| <b>2014</b> | 0     | 1       | 12       | 2          | 0         | 0                  | 15    |
| <b>2015</b> | 0     | 3       | 8        | 0          | 1         | 0                  | 12    |
| <b>2016</b> | 3     | 1       | 7        | 0          | 2         | 0                  | 13    |
| <b>2017</b> | 0     | 4       | 6        | 0          | 0         | 0                  | 10    |
| <b>2018</b> | 0     | 2       | 7        | 0          | 0         | 0                  | 9     |
| <b>2019</b> | 0     | 2       | 8        | 0          | 2         | 0                  | 12    |
| <b>2020</b> | 0     | 3       | 5        | 0          | 2         | 0                  | 10    |

The data from 2009-2012 shows the period prior to the installation of the RLR cameras.

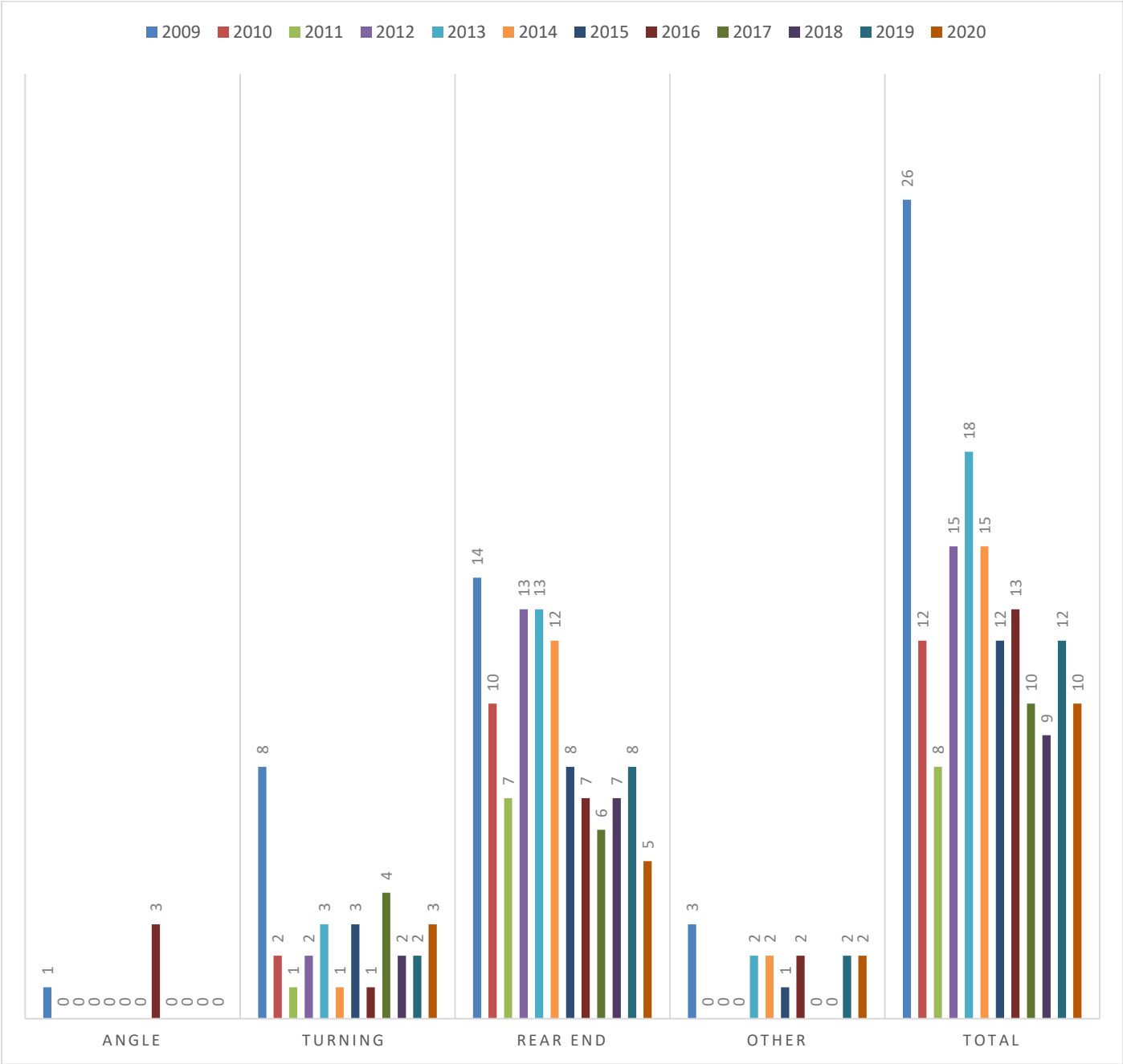
The data from 2013 shows the year in which the cameras were installed.

The data from 2014-2020 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.



The Chart below shows the trend of each crash type from 2009-2020.



|                     | Year \ Type | Angle | Turning | Rear End | Other* | Total | Yearly Average |
|---------------------|-------------|-------|---------|----------|--------|-------|----------------|
| Before Installation | 2009        | 1     | 8       | 14       | 3      | 26    | 15.25          |
|                     | 2010        | 0     | 2       | 10       | 0      | 12    |                |
|                     | 2011        | 0     | 1       | 7        | 0      | 8     |                |
|                     | 2012        | 0     | 2       | 13       | 0      | 15    |                |
|                     | 2013        | 0     | 3       | 13       | 2      | 18    |                |
| After Installation  | 2014        | 0     | 1       | 12       | 2      | 15    | 11.57          |
|                     | 2015        | 0     | 3       | 8        | 1      | 12    |                |
|                     | 2016        | 3     | 1       | 7        | 2      | 13    |                |
|                     | 2017        | 0     | 4       | 6        | 0      | 10    |                |
|                     | 2018        | 0     | 2       | 7        | 0      | 9     |                |
|                     | 2019        | 0     | 2       | 8        | 2      | 12    |                |
|                     | 2020        | 0     | 3       | 5        | 2      | 10    |                |

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

From 2009-2012, prior to RLR camera installation, there were 61 total crashes; this averages out to 15.25 crashes a year.

From 2014-2020, post RLR camera installation, there were 81 total crashes; this averages out to 11.57 crashes per year - a 24.12% reduction of overall crashes in direct comparison with the time period aforementioned.

The following pages contain crash data summary pages from 2009-2020. The complete crash data can be obtained by contacting the IDOT via [DOT.DTS.DataRequests@illinois.gov](mailto:DOT.DTS.DataRequests@illinois.gov).



### Collision Diagram

1/1/2009 to 12/31/2009

Crash Route: US012 | From MileStation 55.99 to 55.99 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>26</u>        | <u>0</u>         | <u>0</u>            | <u>4</u>            | <u>3</u>            | <u>19</u>                     | <u>0</u>        | <u>10</u>        | <u>0</u>   | <u>4</u>   | <u>6</u>   |

| Type of Crash               | Total | %     | Dayof Wk  | Total | %     | Hour of Day | Total | %     | Vehicle Type                | Total | %     |
|-----------------------------|-------|-------|-----------|-------|-------|-------------|-------|-------|-----------------------------|-------|-------|
| 10-Turning                  | 8     | 30.8% | Monday    | 2     | 7.7%  | 06 AM       | 1     | 3.8%  | Bus over 15 pass.           | 1     | 1.9%  |
| 11-Rear end                 | 14    | 53.8% | Tuesday   | 10    | 38.5% | 07 AM       | 1     | 3.8%  | Bus up to 15 pass           | 2     | 3.8%  |
| 12-Sideswipe same direction | 2     | 7.7%  | Wednesday | 2     | 7.7%  | 08 AM       | 4     | 15.4% | Passenger                   | 30    | 57.7% |
| 15-Angle                    | 1     | 3.8%  | Thursday  | 1     | 3.8%  | 09 AM       | 4     | 15.4% | Pickup                      | 1     | 1.9%  |
| 6-Fixed object              | 1     | 3.8%  | Friday    | 9     | 34.6% | 10 AM       | 1     | 3.8%  | Sport utility vehicle (SUV) | 6     | 11.5% |
| TOTAL:                      | 26    |       | Saturday  | 1     | 3.8%  | 11 AM       | 3     | 11.5% | Tractor w/ semi-trailer     | 1     | 1.9%  |
|                             |       |       | Sunday    | 1     | 3.8%  | 1 PM        | 1     | 3.8%  | Tractor w/o semi-trailer    | 1     | 1.9%  |
|                             |       |       | TOTAL:    | 26    |       | 2 PM        | 3     | 11.5% | Truck – single unit         | 1     | 1.9%  |
|                             |       |       |           |       |       | 3 PM        | 1     | 3.8%  | Unknown/NA                  | 1     | 1.9%  |
|                             |       |       |           |       |       | 4 PM        | 3     | 11.5% | Van/mini van                | 8     | 15.4% |
|                             |       |       |           |       |       | 5 PM        | 2     | 7.7%  | TOTAL:                      | 52    |       |
|                             |       |       |           |       |       | 6 PM        | 1     | 3.8%  |                             |       |       |
|                             |       |       |           |       |       | 11 PM       | 1     | 3.8%  |                             |       |       |
|                             |       |       |           |       |       | TOTAL:      | 26    |       |                             |       |       |

| Weather Cond | Total | %     | Light Cond            | Total | %     | Road Surface  | Total | %     | DIRP      | Total | %     |
|--------------|-------|-------|-----------------------|-------|-------|---------------|-------|-------|-----------|-------|-------|
| Clear        | 19    | 73.1% | Darkness/Lighted road | 2     | 7.7%  | Dry           | 19    | 73.1% | East      | 15    | 28.8% |
| Other        | 1     | 3.8%  | Daylight              | 23    | 88.5% | Snow or slush | 2     | 7.7%  | North     | 12    | 23.1% |
| Rain         | 3     | 11.5% | Dusk                  | 1     | 3.8%  | Wet           | 5     | 19.2% | Northeast | 1     | 1.9%  |
| Snow         | 3     | 11.5% | TOTAL:                | 26    |       | TOTAL:        | 26    |       | Northwest | 2     | 3.8%  |
| TOTAL:       | 26    |       |                       |       |       |               |       |       | South     | 13    | 25.0% |



### Collision Diagram

1/1/2010 to 12/31/2010

Crash Route: US012 | From MileStation 55.99 to 55.99 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>12</u>        | <u>0</u>         | <u>0</u>            | <u>1</u>            | <u>0</u>            | <u>11</u>                     | <u>0</u>        | <u>1</u>         | <u>0</u>   | <u>1</u>   | <u>0</u>   |

| Type of Crash | Total     | %     | Day of Wk     | Total     | %     | Hour of Day   | Total     | %     | Vehicle Type                | Total     | %     |
|---------------|-----------|-------|---------------|-----------|-------|---------------|-----------|-------|-----------------------------|-----------|-------|
| 10-Turning    | 2         | 16.7% | Monday        | 2         | 16.7% | 07 AM         | 1         | 8.3%  | Passenger                   | 15        | 62.5% |
| 11-Rear end   | 10        | 83.3% | Wednesday     | 3         | 25.0% | 08 AM         | 1         | 8.3%  | Pickup                      | 2         | 8.3%  |
| <b>TOTAL:</b> | <b>12</b> |       | Thursday      | 2         | 16.7% | 09 AM         | 2         | 16.7% | Sport utility vehicle (SUV) | 2         | 8.3%  |
|               |           |       | Friday        | 2         | 16.7% | 10 AM         | 1         | 8.3%  | Truck – single unit         | 1         | 4.2%  |
|               |           |       | Sunday        | 3         | 25.0% | Noon          | 1         | 8.3%  | Van/mini van                | 4         | 16.7% |
|               |           |       | <b>TOTAL:</b> | <b>12</b> |       | 2 PM          | 1         | 8.3%  | <b>TOTAL:</b>               | <b>24</b> |       |
|               |           |       |               |           |       | 3 PM          | 1         | 8.3%  |                             |           |       |
|               |           |       |               |           |       | 6 PM          | 3         | 25.0% |                             |           |       |
|               |           |       |               |           |       | 11 PM         | 1         | 8.3%  |                             |           |       |
|               |           |       |               |           |       | <b>TOTAL:</b> | <b>12</b> |       |                             |           |       |

| Weather Cond  | Total     | %     | Light Cond            | Total     | %     | Road Surface  | Total     | %     | DIRP          | Total     | %     |
|---------------|-----------|-------|-----------------------|-----------|-------|---------------|-----------|-------|---------------|-----------|-------|
| Clear         | 8         | 66.7% | Darkness/Lighted road | 2         | 16.7% | Dry           | 7         | 58.3% | East          | 9         | 37.5% |
| Rain          | 2         | 16.7% | Daylight              | 10        | 83.3% | Snow or slush | 1         | 8.3%  | North         | 1         | 4.2%  |
| Snow          | 1         | 8.3%  | <b>TOTAL:</b>         | <b>12</b> |       | Unknown       | 1         | 8.3%  | Northeast     | 2         | 8.3%  |
| Unknown       | 1         | 8.3%  |                       |           |       | Wet           | 3         | 25.0% | South         | 8         | 33.3% |
| <b>TOTAL:</b> | <b>12</b> |       |                       |           |       | <b>TOTAL:</b> | <b>12</b> |       | West          | 4         | 16.7% |
|               |           |       |                       |           |       |               |           |       | <b>TOTAL:</b> | <b>24</b> |       |



### Collision Diagram

1/1/2011 to 12/31/2011

Crash Route: US012 | From MileStation 55.99 to 55.99 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| 8                | 0                | 0                   | 3                   | 1                   | 4                             | 0               | 4                | 0          | 3          | 1          |

| Type of Crash | Total    | %     | Day of Wk             | Total    | %     | Hour of Day   | Total    | %     | Vehicle Type                | Total     | %     |
|---------------|----------|-------|-----------------------|----------|-------|---------------|----------|-------|-----------------------------|-----------|-------|
| 10-Turning    | 1        | 12.5% | Monday                | 1        | 12.5% | 08 AM         | 1        | 12.5% | Passenger                   | 15        | 83.3% |
| 11-Rear end   | 7        | 87.5% | Tuesday               | 5        | 62.5% | 09 AM         | 1        | 12.5% | Pickup                      | 1         | 5.6%  |
| <b>TOTAL:</b> | <b>8</b> |       | Wednesday             | 1        | 12.5% | 1 PM          | 1        | 12.5% | Sport utility vehicle (SUV) | 1         | 5.6%  |
|               |          |       | Saturday              | 1        | 12.5% | 3 PM          | 1        | 12.5% | Van/mini van                | 1         | 5.6%  |
|               |          |       | <b>TOTAL:</b>         | <b>8</b> |       | 4 PM          | 2        | 25.0% | <b>TOTAL:</b>               | <b>18</b> |       |
|               |          |       |                       |          |       | 6 PM          | 1        | 12.5% |                             |           |       |
|               |          |       |                       |          |       | 10 PM         | 1        | 12.5% |                             |           |       |
|               |          |       |                       |          |       | <b>TOTAL:</b> | <b>8</b> |       |                             |           |       |
| Weather Cond  | Total    | %     | Light Cond            | Total    | %     | Road Surface  | Total    | %     | DIRP                        | Total     | %     |
| Clear         | 5        | 62.5% | Darkness/Lighted road | 1        | 12.5% | Dry           | 5        | 62.5% | East                        | 6         | 33.3% |
| Rain          | 2        | 25.0% | Daylight              | 7        | 87.5% | Snow or slush | 1        | 12.5% | North                       | 5         | 27.8% |
| Snow          | 1        | 12.5% | <b>TOTAL:</b>         | <b>8</b> |       | Unknown       | 1        | 12.5% | South                       | 7         | 38.9% |
| <b>TOTAL:</b> | <b>8</b> |       |                       |          |       | Wet           | 1        | 12.5% | <b>TOTAL:</b>               | <b>18</b> |       |
|               |          |       |                       |          |       | <b>TOTAL:</b> | <b>8</b> |       |                             |           |       |



### Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: US012 | From MileStation 55.99 to 55.99 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>15</u>        | <u>0</u>         | <u>1</u>            | <u>2</u>            | <u>3</u>            | <u>9</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     | %     |
|---------------|-----------|-------|---------------|-----------|-------|---------------|-----------|-------|---------------------------|-----------|-------|
| Rear End      | 13        | 86.7% | Monday        | 5         | 33.3% | 07 AM         | 2         | 13.3% | Passenger                 | 18        | 58.1% |
| Turning       | 2         | 13.3% | Tuesday       | 1         | 6.7%  | 08 AM         | 1         | 6.7%  | SUV                       | 9         | 29.0% |
| <b>TOTAL:</b> | <b>15</b> |       | Wednesday     | 4         | 26.7% | 10 AM         | 1         | 6.7%  | Tractor With Semi-Trailer | 1         | 3.2%  |
|               |           |       | Thursday      | 1         | 6.7%  | Noon          | 1         | 6.7%  | Van/Mini-Van              | 3         | 9.7%  |
|               |           |       | Saturday      | 3         | 20.0% | 1 PM          | 2         | 13.3% | <b>TOTAL:</b>             | <b>31</b> |       |
|               |           |       | Sunday        | 1         | 6.7%  | 3 PM          | 2         | 13.3% |                           |           |       |
|               |           |       | <b>TOTAL:</b> | <b>15</b> |       | 4 PM          | 2         | 13.3% |                           |           |       |
|               |           |       |               |           |       | 5 PM          | 1         | 6.7%  |                           |           |       |
|               |           |       |               |           |       | 7 PM          | 2         | 13.3% |                           |           |       |
|               |           |       |               |           |       | 10 PM         | 1         | 6.7%  |                           |           |       |
|               |           |       |               |           |       | <b>TOTAL:</b> | <b>15</b> |       |                           |           |       |

| Weather Cond  | Total     | %     | Light Cond             | Total     | %     | Road Surface  | Total     | %     | DIRP          | Total     | %     |
|---------------|-----------|-------|------------------------|-----------|-------|---------------|-----------|-------|---------------|-----------|-------|
| Clear         | 14        | 93.3% | Darkness               | 1         | 6.7%  | Dry           | 13        | 86.7% | East          | 7         | 22.6% |
| Snow          | 1         | 6.7%  | Darkness, Lighted Road | 3         | 20.0% | Snow or Slush | 1         | 6.7%  | North         | 7         | 22.6% |
| <b>TOTAL:</b> | <b>15</b> |       | Daylight               | 11        | 73.3% | Wet           | 1         | 6.7%  | South         | 9         | 29.0% |
|               |           |       | <b>TOTAL:</b>          | <b>15</b> |       | <b>TOTAL:</b> | <b>15</b> |       | West          | 8         | 25.8% |
|               |           |       |                        |           |       |               |           |       | <b>TOTAL:</b> | <b>31</b> |       |



### Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: US012 | From MileStation 55.99 to 55.99 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>18</u>        | <u>0</u>         | <u>0</u>            | <u>1</u>            | <u>4</u>            | <u>13</u>                     | <u>0</u>        | <u>6</u>         | <u>0</u>   | <u>2</u>   | <u>4</u>   |

| Type of Crash | Total     | %     | Day of Wk     | Total     | %             | Hour of Day | Total | %     | Vehicle Type              | Total     | %     |
|---------------|-----------|-------|---------------|-----------|---------------|-------------|-------|-------|---------------------------|-----------|-------|
| Other Object  | 1         | 5.6%  | Monday        | 2         | 11.1%         | 01 AM       | 1     | 5.6%  | Passenger                 | 24        | 66.7% |
| Pedestrian    | 1         | 5.6%  | Tuesday       | 3         | 16.7%         | 06 AM       | 1     | 5.6%  | SUV                       | 5         | 13.9% |
| Rear End      | 13        | 72.2% | Wednesday     | 5         | 27.8%         | 08 AM       | 4     | 22.2% | Tractor With Semi-Trailer | 1         | 2.8%  |
| Turning       | 3         | 16.7% | Thursday      | 1         | 5.6%          | 09 AM       | 1     | 5.6%  | Truck Single Unit         | 2         | 5.6%  |
| <b>TOTAL:</b> | <b>18</b> |       | Friday        | 4         | 22.2%         | 11 AM       | 1     | 5.6%  | Van/Mini-Van              | 4         | 11.1% |
|               |           |       | Saturday      | 2         | 11.1%         | Noon        | 1     | 5.6%  | <b>TOTAL:</b>             | <b>36</b> |       |
|               |           |       | Sunday        | 1         | 5.6%          | 1 PM        | 2     | 11.1% |                           |           |       |
|               |           |       | <b>TOTAL:</b> | <b>18</b> |               | 2 PM        | 2     | 11.1% |                           |           |       |
|               |           |       |               |           | 3 PM          | 2           | 11.1% |       |                           |           |       |
|               |           |       |               |           | 6 PM          | 1           | 5.6%  |       |                           |           |       |
|               |           |       |               |           | 9 PM          | 1           | 5.6%  |       |                           |           |       |
|               |           |       |               |           | 10 PM         | 1           | 5.6%  |       |                           |           |       |
|               |           |       |               |           | <b>TOTAL:</b> | <b>18</b>   |       |       |                           |           |       |

| <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               | 16           | 88.9%    | Darkness/ Lighted Road | 4            | 22.2%    | Dry                 | 14           | 77.8%    | East          | 14           | 38.9%    |
| Rain                | 1            | 5.6%     | Daylight               | 14           | 77.8%    | Wet                 | 4            | 22.2%    | North         | 7            | 19.4%    |
| Snow                | 1            | 5.6%     | <b>TOTAL:</b>          | <b>18</b>    |          | <b>TOTAL:</b>       | <b>18</b>    |          | South         | 13           | 36.1%    |
| <b>TOTAL:</b>       | <b>18</b>    |          |                        |              |          |                     |              |          | Southwest     | 1            | 2.8%     |
|                     |              |          |                        |              |          |                     |              |          | West          | 1            | 2.8%     |
|                     |              |          |                        |              |          |                     |              |          | <b>TOTAL:</b> | <b>36</b>    |          |



### Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: US012 | From MileStation 55.99 to 55.99 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| 15               | 0                | 1                   | 1                   | 4                   | 9                             | 0               | 9                | 1          | 1          | 7          |

| Type of Crash | Total     | %     | Day of Wk     | Total     | %             | Hour of Day | Total | %     | Vehicle Type  | Total     | %     |
|---------------|-----------|-------|---------------|-----------|---------------|-------------|-------|-------|---------------|-----------|-------|
| Pedestrian    | 2         | 13.3% | Monday        | 1         | 6.7%          | 06 AM       | 1     | 6.7%  | Passenger     | 18        | 64.3% |
| Rear End      | 12        | 80.0% | Tuesday       | 4         | 26.7%         | 07 AM       | 4     | 26.7% | Pickup        | 1         | 3.6%  |
| Turning       | 1         | 6.7%  | Wednesday     | 1         | 6.7%          | 08 AM       | 1     | 6.7%  | SUV           | 6         | 21.4% |
| <b>TOTAL:</b> | <b>15</b> |       | Thursday      | 3         | 20.0%         | 09 AM       | 2     | 13.3% | Unknown       | 1         | 3.6%  |
|               |           |       | Friday        | 2         | 13.3%         | Noon        | 1     | 6.7%  | Van/Mini-Van  | 2         | 7.1%  |
|               |           |       | Saturday      | 1         | 6.7%          | 1 PM        | 1     | 6.7%  | <b>TOTAL:</b> | <b>28</b> |       |
|               |           |       | Sunday        | 3         | 20.0%         | 2 PM        | 1     | 6.7%  |               |           |       |
|               |           |       | <b>TOTAL:</b> | <b>15</b> |               | 5 PM        | 1     | 6.7%  |               |           |       |
|               |           |       |               |           | 6 PM          | 2           | 13.3% |       |               |           |       |
|               |           |       |               |           | 9 PM          | 1           | 6.7%  |       |               |           |       |
|               |           |       |               |           | <b>TOTAL:</b> | <b>15</b>   |       |       |               |           |       |

| Weather Cond    | Total     | %     | Light Cond             | Total     | %             | Road Surface  | Total | %     | DIRP          | Total     | %     |
|-----------------|-----------|-------|------------------------|-----------|---------------|---------------|-------|-------|---------------|-----------|-------|
| Clear           | 10        | 66.7% | Darkness/ Lighted Road | 3         | 20.0%         | Dry           | 8     | 53.3% | East          | 12        | 42.9% |
| Cloudy/Overcast | 2         | 13.3% | Dawn                   | 2         | 13.3%         | Snow or Slush | 3     | 20.0% | North         | 7         | 25.0% |
| Snow            | 3         | 20.0% | Daylight               | 10        | 66.7%         | Unknown       | 2     | 13.3% | South         | 9         | 32.1% |
| <b>TOTAL:</b>   | <b>15</b> |       | <b>TOTAL:</b>          | <b>15</b> |               | Wet           | 2     | 13.3% | <b>TOTAL:</b> | <b>28</b> |       |
|                 |           |       |                        |           | <b>TOTAL:</b> | <b>15</b>     |       |       |               |           |       |





## Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2918779.19291442 : YCoordinate 1900973.46781318 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>12</u>        | <u>0</u>         | <u>1</u>            | <u>0</u>            | <u>1</u>            | <u>10</u>                     | <u>0</u>        | <u>2</u>         | <u>1</u>   | <u>0</u>   | <u>1</u>   |

| Type of Crash            | Total | %     | Dayof Wk | Total | %      | Hour of Day | Total | %            | Vehicle Type            | Total | %     |
|--------------------------|-------|-------|----------|-------|--------|-------------|-------|--------------|-------------------------|-------|-------|
| Rear End                 | 8     | 66.7% | Tuesday  | 6     | 50.0%  | 06 AM       | 2     | 16.7%        | Motorcycle (Over 150cc) | 1     | 3.8%  |
| Sideswipe Same Direction | 1     | 8.3%  | Thursday | 3     | 25.0%  | 08 AM       | 1     | 8.3%         | Passenger               | 13    | 50.0% |
| Turning                  | 3     | 25.0% | Friday   | 1     | 8.3%   | 11 AM       | 1     | 8.3%         | Pickup                  | 4     | 15.4% |
| TOTAL:                   | 12    |       | Saturday | 2     | 16.7%  | Noon        | 1     | 8.3%         | SUV                     | 7     | 26.9% |
|                          |       |       | TOTAL:   | 12    | 2 PM   | 2           | 16.7% | Van/Mini-Van | 1                       | 3.8%  |       |
|                          |       |       |          |       | 3 PM   | 1           | 8.3%  | TOTAL:       | 26                      |       |       |
|                          |       |       |          |       | 4 PM   | 1           | 8.3%  |              |                         |       |       |
|                          |       |       |          |       | 8 PM   | 1           | 8.3%  |              |                         |       |       |
|                          |       |       |          |       | 9 PM   | 1           | 8.3%  |              |                         |       |       |
|                          |       |       |          |       | 11 PM  | 1           | 8.3%  |              |                         |       |       |
|                          |       |       |          |       | TOTAL: | 12          |       |              |                         |       |       |

| Weather Cond    | Total     | %     | Light Cond             | Total     | %     | Road Surface  | Total     | %      | DIRP          | Total     | %     |
|-----------------|-----------|-------|------------------------|-----------|-------|---------------|-----------|--------|---------------|-----------|-------|
| Clear           | 11        | 91.7% | Darkness               | 1         | 8.3%  | Dry           | 12        | 100.0% | East          | 6         | 23.1% |
| Cloudy/Overcast | 1         | 8.3%  | Darkness, Lighted Road | 2         | 16.7% | <b>TOTAL:</b> | <b>12</b> |        | South         | 13        | 50.0% |
| <b>TOTAL:</b>   | <b>12</b> |       | Dawn                   | 1         | 8.3%  |               |           |        | Southwest     | 1         | 3.8%  |
|                 |           |       | Daylight               | 8         | 66.7% |               |           |        | West          | 6         | 23.1% |
|                 |           |       | <b>TOTAL:</b>          | <b>12</b> |       |               |           |        | <b>TOTAL:</b> | <b>26</b> |       |



## Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2918779.19291442 : YCoordinate 1900973.46781318 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>13</u>        | <u>0</u>         | <u>0</u>            | <u>2</u>            | <u>1</u>            | <u>10</u>                     | <u>0</u>        | <u>5</u>         | <u>0</u>   | <u>3</u>   | <u>2</u>   |

| Type of Crash            | Total     | %     | Day of Wk              | Total     | %     | Hour of Day   | Total     | %     | Vehicle Type              | Total     | %     |
|--------------------------|-----------|-------|------------------------|-----------|-------|---------------|-----------|-------|---------------------------|-----------|-------|
| Angle                    | 3         | 23.1% | Monday                 | 1         | 7.7%  | 07 AM         | 1         | 7.7%  | Bus Over 15 Passengers    | 1         | 3.6%  |
| Rear End                 | 7         | 53.8% | Tuesday                | 3         | 23.1% | 10 AM         | 2         | 15.4% | Passenger                 | 18        | 64.3% |
| Sideswipe Same Direction | 2         | 15.4% | Wednesday              | 2         | 15.4% | 1 PM          | 2         | 15.4% | Pickup                    | 1         | 3.6%  |
| Turning                  | 1         | 7.7%  | Friday                 | 3         | 23.1% | 3 PM          | 2         | 15.4% | SUV                       | 6         | 21.4% |
| <b>TOTAL:</b>            | <b>13</b> |       | Saturday               | 2         | 15.4% | 4 PM          | 1         | 7.7%  | Tractor With Semi-Trailer | 1         | 3.6%  |
|                          |           |       | Sunday                 | 2         | 15.4% | 5 PM          | 1         | 7.7%  | Van/Mini-Van              | 1         | 3.6%  |
|                          |           |       | <b>TOTAL:</b>          | <b>13</b> |       | 7 PM          | 2         | 15.4% | <b>TOTAL:</b>             | <b>28</b> |       |
|                          |           |       |                        |           |       | 8 PM          | 1         | 7.7%  |                           |           |       |
|                          |           |       |                        |           |       | 11 PM         | 1         | 7.7%  |                           |           |       |
|                          |           |       |                        |           |       | <b>TOTAL:</b> | <b>13</b> |       |                           |           |       |
| Weather Cond             | Total     | %     | Light Cond             | Total     | %     | Road Surface  | Total     | %     | DIRP                      | Total     | %     |
| Clear                    | 10        | 76.9% | Darkness, Lighted Road | 4         | 30.8% | Dry           | 8         | 61.5% | East                      | 7         | 25.0% |
| Rain                     | 3         | 23.1% | Daylight               | 9         | 69.2% | Wet           | 5         | 38.5% | North                     | 7         | 25.0% |
| <b>TOTAL:</b>            | <b>13</b> |       | <b>TOTAL:</b>          | <b>13</b> |       | <b>TOTAL:</b> | <b>13</b> |       | Northwest                 | 1         | 3.6%  |
|                          |           |       |                        |           |       |               |           |       | South                     | 9         | 32.1% |
|                          |           |       |                        |           |       |               |           |       | West                      | 4         | 14.3% |
|                          |           |       |                        |           |       |               |           |       | <b>TOTAL:</b>             | <b>28</b> |       |



## Coordinate Collision Diagram Report

1/1/2017 to 12/31/2017

For XCoordinate 2918779.19291442 : YCoordinate 1900973.46781318 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>10</u>        | <u>0</u>         | <u>0</u>            | <u>3</u>            | <u>2</u>            | <u>5</u>                      | <u>0</u>        | <u>10</u>        | <u>0</u>   | <u>4</u>   | <u>6</u>   |

| Type of Crash   | Total | %     | Day of Wk              | Total | %     | Hour of Day  | Total | %     | Vehicle Type | Total | %     |
|-----------------|-------|-------|------------------------|-------|-------|--------------|-------|-------|--------------|-------|-------|
| Rear End        | 6     | 60.0% | Tuesday                | 1     | 10.0% | 03 AM        | 1     | 10.0% | Passenger    | 17    | 81.0% |
| Turning         | 4     | 40.0% | Wednesday              | 4     | 40.0% | 04 AM        | 1     | 10.0% | Pickup       | 2     | 9.5%  |
| TOTAL:          | 10    |       | Friday                 | 3     | 30.0% | 2 PM         | 1     | 10.0% | SUV          | 2     | 9.5%  |
|                 |       |       | Saturday               | 1     | 10.0% | 4 PM         | 3     | 30.0% | TOTAL:       | 21    |       |
|                 |       |       | Sunday                 | 1     | 10.0% | 6 PM         | 1     | 10.0% |              |       |       |
|                 |       |       | TOTAL:                 | 10    |       | 10 PM        | 3     | 30.0% |              |       |       |
|                 |       |       | TOTAL:                 |       | 10    |              |       |       |              |       |       |
|                 |       |       |                        |       |       |              |       |       |              |       |       |
| Weather Cond    | Total | %     | Light Cond             | Total | %     | Road Surface | Total | %     | DIRP         | Total | %     |
| Clear           | 6     | 60.0% | Darkness, Lighted Road | 5     | 50.0% | Dry          | 7     | 70.0% | East         | 10    | 47.6% |
| Cloudy/Overcast | 1     | 10.0% | Daylight               | 4     | 40.0% | Wet          | 3     | 30.0% | North        | 1     | 4.8%  |
| Rain            | 3     | 30.0% | Dusk                   | 1     | 10.0% | TOTAL:       | 10    |       | Northwest    | 1     | 4.8%  |
| TOTAL:          | 10    |       | TOTAL:                 | 10    |       |              |       |       | South        | 6     | 28.6% |
|                 |       |       |                        |       |       |              |       |       | West         | 3     | 14.3% |
|                 |       |       |                        |       |       |              |       |       | TOTAL:       | 21    |       |



## Coordinate Collision Diagram Report

1/1/2018 to 12/31/2018

For XCoordinate 2918747.797 : YCoordinate 1900970.589 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| 9                | 0                | 0                   | 0                   | 2                   | 7                             | 0               | 2                | 0          | 0          | 2          |

| Type of Crash   | Total | %     | Day of Wk              | Total | %     | Hour of Day  | Total | %            | Vehicle Type      | Total | %     |
|-----------------|-------|-------|------------------------|-------|-------|--------------|-------|--------------|-------------------|-------|-------|
| Front to Rear   | 7     | 77.8% | Monday                 | 4     | 44.4% | 09 AM        | 1     | 11.1%        | Other             | 1     | 5.6%  |
| Turning         | 2     | 22.2% | Wednesday              | 1     | 11.1% | 3 PM         | 2     | 22.2%        | Passenger         | 11    | 61.1% |
| TOTAL:          | 9     |       | Friday                 | 2     | 22.2% | 4 PM         | 1     | 11.1%        | SUV               | 4     | 22.2% |
|                 |       |       | Sunday                 | 2     | 22.2% | 5 PM         | 3     | 33.3%        | Truck Single Unit | 1     | 5.6%  |
|                 |       |       | TOTAL:                 | 9     | 6 PM  | 1            | 11.1% | Van/Mini-Van | 1                 | 5.6%  |       |
|                 |       |       | 8 PM                   | 1     | 11.1% | TOTAL:       | 18    |              |                   |       |       |
|                 |       |       | TOTAL:                 | 9     |       |              |       |              |                   |       |       |
|                 |       |       |                        |       |       |              |       |              |                   |       |       |
| Weather Cond    | Total | %     | Light Cond             | Total | %     | Road Surface | Total | %            | DIRP              | Total | %     |
| Clear           | 7     | 77.8% | Darkness, Lighted Road | 1     | 11.1% | Dry          | 8     | 88.9%        | East              | 6     | 33.3% |
| Cloudy/Overcast | 2     | 22.2% | Daylight               | 8     | 88.9% | Wet          | 1     | 11.1%        | North             | 2     | 11.1% |
| TOTAL:          | 9     |       | TOTAL:                 | 9     |       | TOTAL:       | 9     |              | South             | 6     | 33.3% |
|                 |       |       |                        |       |       |              |       |              | West              | 4     | 22.2% |
|                 |       |       |                        |       |       |              |       |              | TOTAL:            | 18    |       |
|                 |       |       |                        |       |       |              |       |              |                   |       |       |



## Coordinate Collision Diagram Report

1/1/2019 to 12/31/2019

For XCoordinate 2918747.797 : YCoordinate 1900970.589 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>12</u>        | <u>0</u>         | <u>0</u>            | <u>0</u>            | <u>2</u>            | <u>10</u>                     | <u>0</u>        | <u>2</u>         | <u>0</u>   | <u>0</u>   | <u>2</u>   |

| Type of Crash            | Total     | %     | Day of Wk     | Total     | %     | Hour of Day   | Total     | %     | Vehicle Type      | Total     | %     |
|--------------------------|-----------|-------|---------------|-----------|-------|---------------|-----------|-------|-------------------|-----------|-------|
| Front to Rear            | 8         | 66.7% | Monday        | 1         | 8.3%  | 09 AM         | 1         | 8.3%  | Bus 9 to 15 seats | 1         | 4.2%  |
| Sideswipe Same Direction | 2         | 16.7% | Tuesday       | 2         | 16.7% | 10 AM         | 1         | 8.3%  | Passenger         | 12        | 50.0% |
| Turning                  | 2         | 16.7% | Thursday      | 2         | 16.7% | 11 AM         | 1         | 8.3%  | Pickup            | 1         | 4.2%  |
| <b>TOTAL:</b>            | <b>12</b> |       | Friday        | 2         | 16.7% | 1 PM          | 2         | 16.7% | SUV               | 6         | 25.0% |
|                          |           |       | Saturday      | 4         | 33.3% | 2 PM          | 1         | 8.3%  | Truck Single Unit | 1         | 4.2%  |
|                          |           |       | Sunday        | 1         | 8.3%  | 3 PM          | 1         | 8.3%  | Unknown           | 1         | 4.2%  |
|                          |           |       | <b>TOTAL:</b> | <b>12</b> |       | 6 PM          | 2         | 16.7% | Van/Mini-Van      | 2         | 8.3%  |
|                          |           |       |               |           |       | 8 PM          | 1         | 8.3%  | <b>TOTAL:</b>     | <b>24</b> |       |
|                          |           |       |               |           |       | 9 PM          | 1         | 8.3%  |                   |           |       |
|                          |           |       |               |           |       | 10 PM         | 1         | 8.3%  |                   |           |       |
|                          |           |       |               |           |       | <b>TOTAL:</b> | <b>12</b> |       |                   |           |       |

| Weather Cond    | Total     | %     | Light Cond             | Total     | %     | Road Surface  | Total     | %     | DIRP          | Total     | %     |
|-----------------|-----------|-------|------------------------|-----------|-------|---------------|-----------|-------|---------------|-----------|-------|
| Clear           | 8         | 66.7% | Darkness, Lighted Road | 3         | 25.0% | Dry           | 9         | 75.0% | East          | 8         | 33.3% |
| Cloudy/Overcast | 2         | 16.7% | Daylight               | 8         | 66.7% | Wet           | 3         | 25.0% | North         | 2         | 8.3%  |
| Rain            | 2         | 16.7% | Dusk                   | 1         | 8.3%  | <b>TOTAL:</b> | <b>12</b> |       | South         | 12        | 50.0% |
| <b>TOTAL:</b>   | <b>12</b> |       | <b>TOTAL:</b>          | <b>12</b> |       |               |           |       | Southeast     | 1         | 4.2%  |
|                 |           |       |                        |           |       |               |           |       | West          | 1         | 4.2%  |
|                 |           |       |                        |           |       |               |           |       | <b>TOTAL:</b> | <b>24</b> |       |



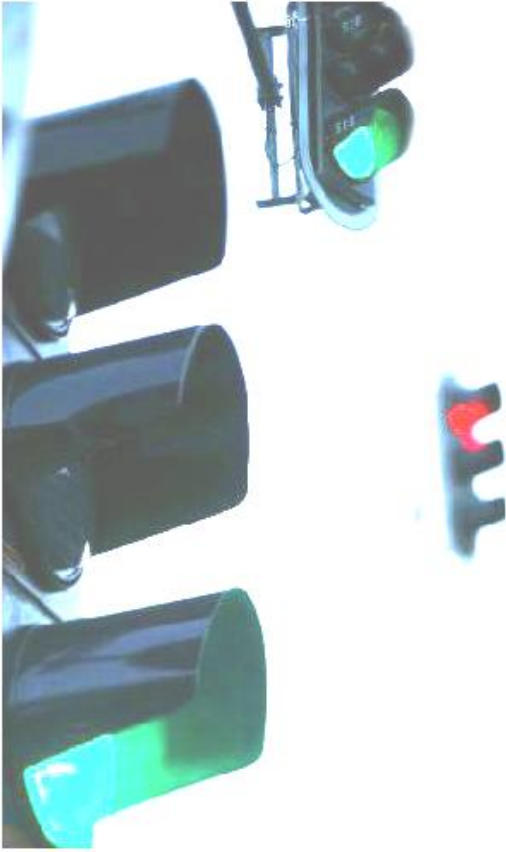
## Coordinate Collision Diagram Report

1/1/2020 to 12/31/2020

For XCoordinate 2918747.797 : YCoordinate 1900970.589 | Foot Tolerance : 250 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

| TOTAL<br>CRASHES | FATAL<br>CRASHES | A INJURY<br>CRASHES | B INJURY<br>CRASHES | C INJURY<br>CRASHES | PROPERTY<br>DAMAGE<br>CRASHES | TOTAL<br>KILLED | TOTAL<br>INJURED | A INJURIES | B INJURIES | C INJURIES |
|------------------|------------------|---------------------|---------------------|---------------------|-------------------------------|-----------------|------------------|------------|------------|------------|
| <u>10</u>        | <u>0</u>         | <u>0</u>            | <u>0</u>            | <u>0</u>            | <u>10</u>                     | <u>0</u>        | <u>0</u>         | <u>0</u>   | <u>0</u>   | <u>0</u>   |

| Type of Crash            | Total     | %     | Day of Wk              | Total     | %     | Hour of Day   | Total     | %     | Vehicle Type      | Total     | %     |
|--------------------------|-----------|-------|------------------------|-----------|-------|---------------|-----------|-------|-------------------|-----------|-------|
| Front to Rear            | 5         | 50.0% | Monday                 | 2         | 20.0% | 11 AM         | 1         | 10.0% | Other             | 2         | 10.0% |
| Sideswipe Same Direction | 2         | 20.0% | Tuesday                | 3         | 30.0% | Noon          | 1         | 10.0% | Passenger         | 9         | 45.0% |
| Turning                  | 3         | 30.0% | Wednesday              | 1         | 10.0% | 2 PM          | 1         | 10.0% | Pickup            | 1         | 5.0%  |
| <b>TOTAL:</b>            | <b>10</b> |       | Friday                 | 2         | 20.0% | 3 PM          | 4         | 40.0% | SUV               | 5         | 25.0% |
|                          |           |       | Saturday               | 2         | 20.0% | 4 PM          | 2         | 20.0% | Truck Single Unit | 1         | 5.0%  |
|                          |           |       | <b>TOTAL:</b>          | <b>10</b> |       | 5 PM          | 1         | 10.0% | Unknown           | 2         | 10.0% |
|                          |           |       |                        |           |       | <b>TOTAL:</b> | <b>10</b> |       | <b>TOTAL:</b>     | <b>20</b> |       |
| Weather Cond             | Total     | %     | Light Cond             | Total     | %     | Road Surface  | Total     | %     | DIRP              | Total     | %     |
| Clear                    | 7         | 70.0% | Darkness, Lighted Road | 1         | 10.0% | Dry           | 7         | 70.0% | East              | 2         | 10.0% |
| Cloudy/Overcast          | 1         | 10.0% | Daylight               | 8         | 80.0% | Unknown       | 2         | 20.0% | North             | 3         | 15.0% |
| Unknown                  | 2         | 20.0% | Unknown                | 1         | 10.0% | Wet           | 1         | 10.0% | Northwest         | 2         | 10.0% |
| <b>TOTAL:</b>            | <b>10</b> |       | <b>TOTAL:</b>          | <b>10</b> |       | <b>TOTAL:</b> | <b>10</b> |       | South             | 11        | 55.0% |
|                          |           |       |                        |           |       |               |           |       | West              | 2         | 10.0% |
|                          |           |       |                        |           |       |               |           |       | <b>TOTAL:</b>     | <b>20</b> |       |



### 3. Traffic Volume

The table below shows a summary of the Average Daily Traffic Count (ADTC) at the intersection of **Roosevelt Rd and Mannheim Rd** over a span of 12 years.

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

The data from 2009-2012 shows the period prior to the installation of the RLR cameras.

The data from 2013 shows the year in which the cameras were installed.

The data from 2014-2020 shows the period following the installation.

|                        | Direction<br>Year | Eastbound     | Westbound     | Northbound    | Southbound    | Combined       | Combined<br>Avg |
|------------------------|-------------------|---------------|---------------|---------------|---------------|----------------|-----------------|
| Before<br>Installation | <b>2009</b>       | <b>24,300</b> | <b>24,300</b> | <b>26,000</b> | <b>34,000</b> | <b>108,600</b> | <b>113,400</b>  |
|                        | <b>2010</b>       | 24,300        | 24,300        | 26,000        | 34,000        | <b>108,600</b> |                 |
|                        | <b>2011</b>       | <b>24,900</b> | <b>24,900</b> | <b>26,400</b> | <b>42,000</b> | <b>118,200</b> |                 |
|                        | <b>2012</b>       | 24,900        | 24,900        | 26,400        | 42,000        | <b>118,200</b> |                 |
|                        | <b>2013</b>       | <b>28,400</b> | <b>29,700</b> | <b>28,600</b> | <b>38,800</b> | <b>125,500</b> |                 |
| After<br>Installation  | <b>2014</b>       | 28,400        | <b>27,100</b> | 28,600        | 38,800        | <b>122,900</b> | <b>118,329</b>  |
|                        | <b>2015</b>       | <b>28,700</b> | 27,100        | <b>28,600</b> | <b>38,700</b> | <b>123,100</b> |                 |
|                        | <b>2016</b>       | 28,700        | 27,100        | 28,600        | 38,700        | <b>123,100</b> |                 |
|                        | <b>2017</b>       | <b>22,500</b> | 27,100        | <b>25,800</b> | <b>38,100</b> | <b>113,500</b> |                 |
|                        | <b>2018</b>       | 22,500        | 27,100        | 25,800        | 38,100        | <b>113,500</b> |                 |
|                        | <b>2019</b>       | <b>24,700</b> | <b>28,000</b> | <b>29,600</b> | <b>33,800</b> | <b>116,100</b> |                 |
|                        | <b>2020</b>       | 24,700        | 28,000        | 29,600        | 33,800        | <b>116,100</b> |                 |

From 2009-2012, prior to RLR camera installation, the combined average of ADTC was 113,400.

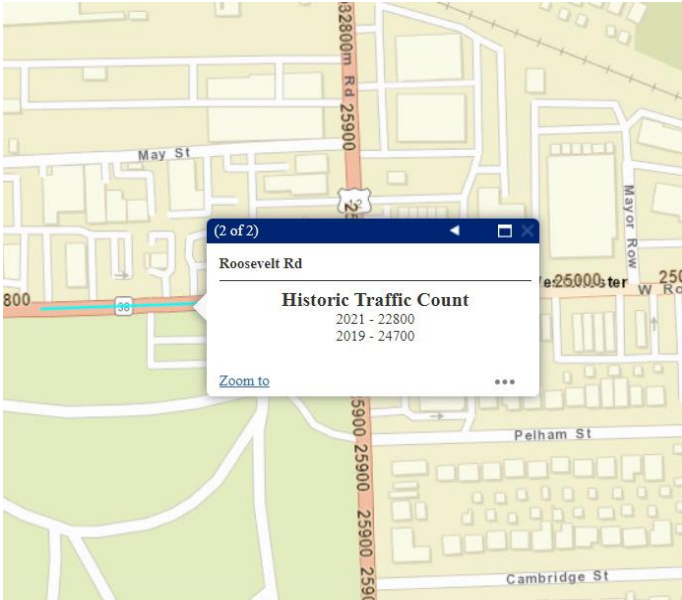
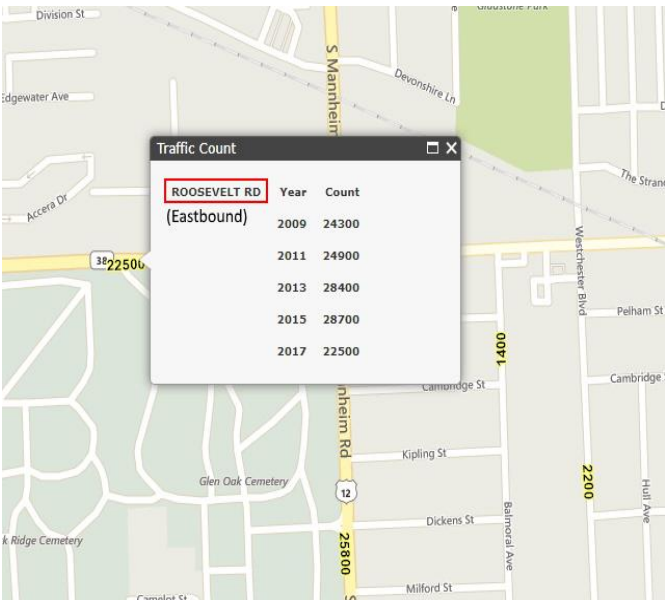
From 2014-2020, post RLR camera installation, the combined average of ADTC was 118,329 - a slight increase of 4.35%.

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

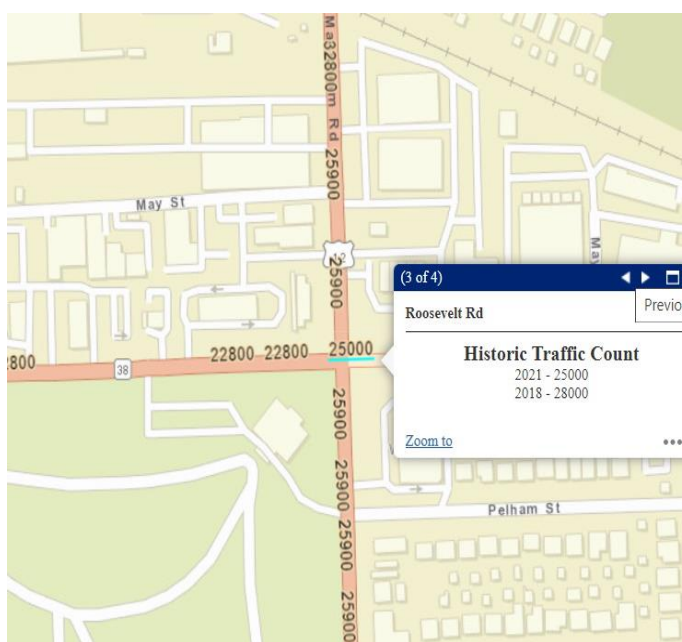
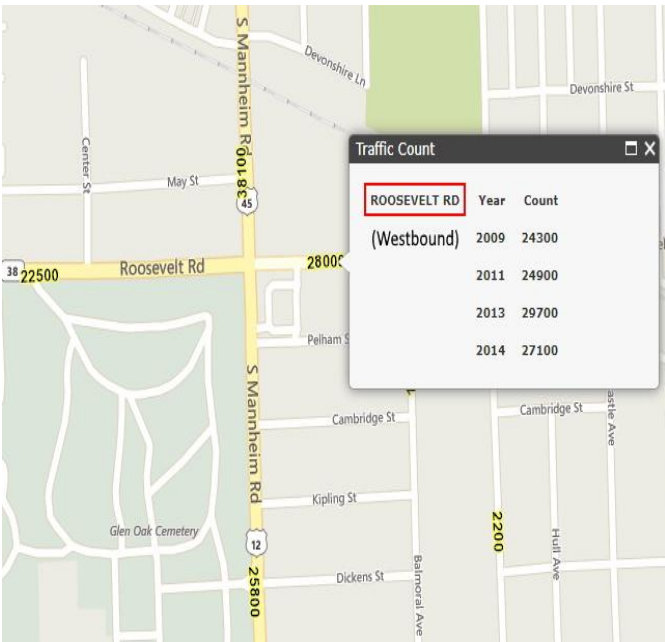


The traffic numbers below were obtained from the IDOT website during the preparation of past reports and now per the RLR Guideline document published by the IDOT. Only ADTC values were available, peak numbers were not provided.

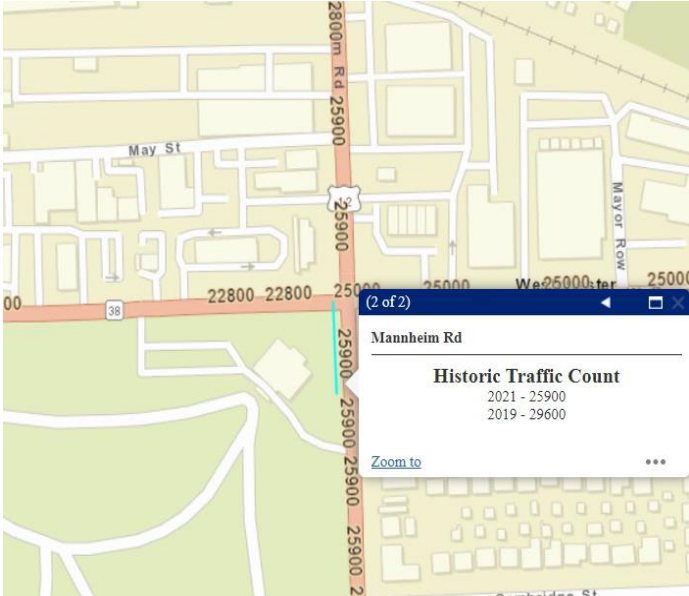
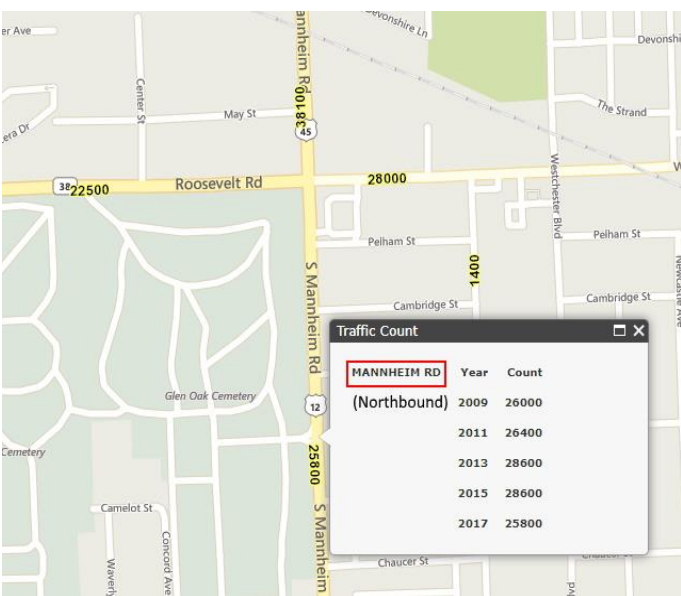
Eastbound ADTC



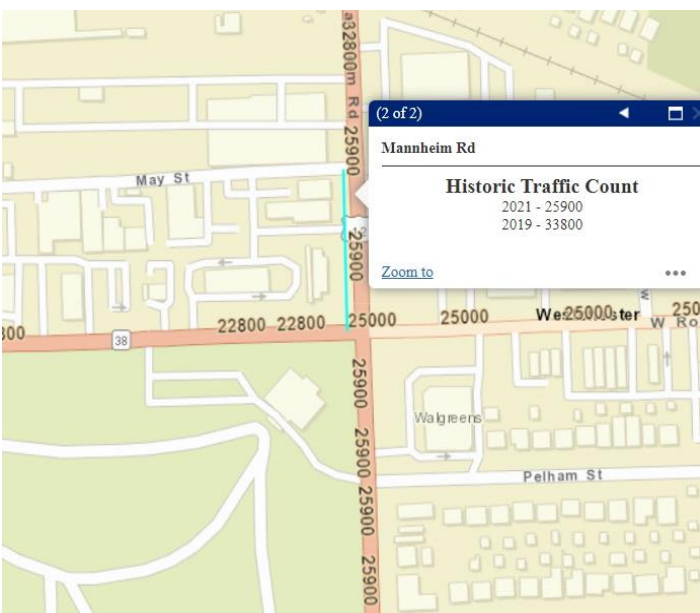
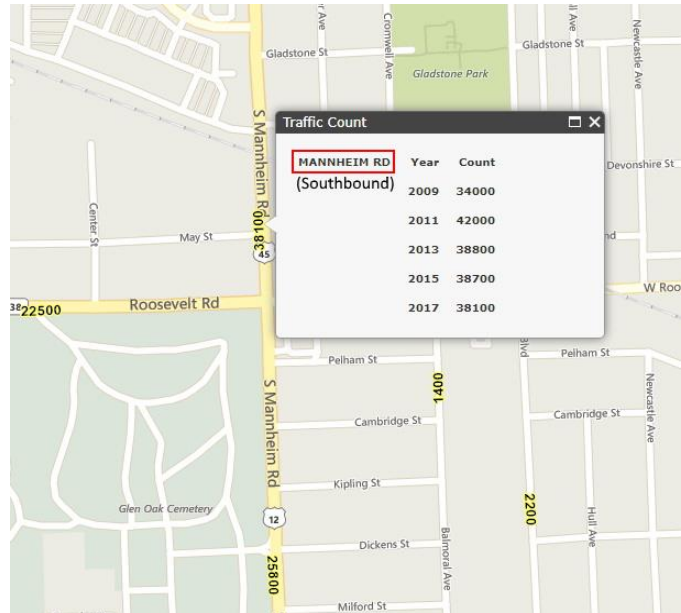
Westbound ADTC



Northbound ADTC



Southbound ADTC





## 4. Summary of Adjudication

The summary of tickets contested “in person” and “by mail” for the **Westbound** approach of **Roosevelt Rd and Mannheim Rd** from 2018 to 2020.

|                  | <b>2018</b> | <b>2019</b> | <b>2020</b> |
|------------------|-------------|-------------|-------------|
| <b>In Person</b> | 94          | 102         | 157         |
| <b>By Mail</b>   | 88          | 101         | 126         |

The summary of tickets contested “in person” and “by mail” for the **Northbound** approach of **Roosevelt Rd and Mannheim Rd** from 2018 to 2020.

|                  | <b>2018</b> | <b>2019</b> | <b>2020</b> |
|------------------|-------------|-------------|-------------|
| <b>In Person</b> | 48          | 74          | 61          |
| <b>By Mail</b>   | 61          | 59          | 62          |



## **5. Report Summary and Recommendation**

The **Village of Westchester** uses state-of-the-art digital cameras to execute its RLR Enforcement Safety Program. The citation and adjudication process administered by the **Village of Westchester** 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 2009-2012, prior to RLR camera installation, the combined average of ADTC was 113,400. From 2014-2020, post RLR camera installation, the combined average of ADTC was 118,329 - a slight increase of 4.35%. (See tab 3)

From 2009-2012, prior to RLR camera installation, there were 61 total crashes; this averages out to 15.25 crashes a year. From 2014-2020, post RLR camera installation, there were 81 total crashes; this averages out to 11.57 crashes per year - a 24.12% 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 24.12%, even with the increase of 4.35% in the combined average of ADTC.

After analyzing all of the available data, we believe that the RLR cameras currently in operation at the intersection of Roosevelt Rd and Mannheim Rd in the **Village of Westchester** are 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.