

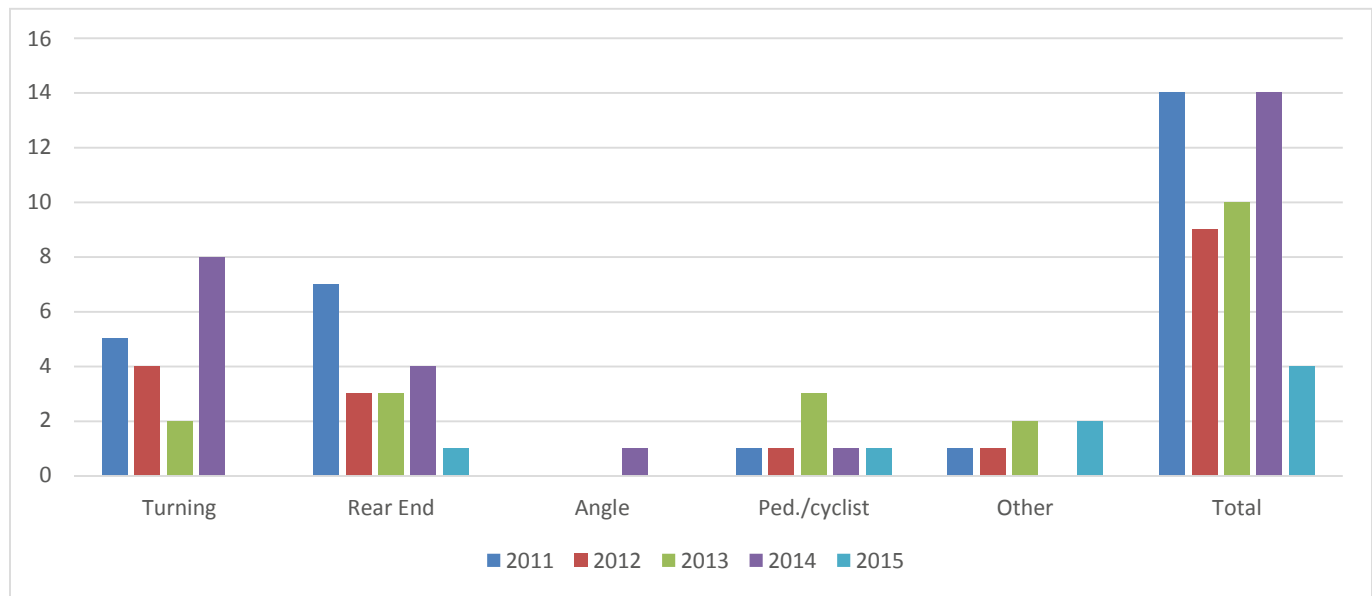
# Lake St and Harlem Ave

< Southbound >

## RLR Crash Data and Analysis

The table and chart below show a summary of motor vehicle crashes at the intersection of Lake St and Harlem Ave over a span of 5 years. The data from 2011 to 2013 show the period prior to the installation of RLR cameras. The data from 2014 show the year in which the cameras were installed. The data from 2015 show the year following the installation.

	Turning	Rear End	Angle	Ped/cyclist	Other	Total
<b>2011</b>	5	7	0	1	1	<b>14</b>
<b>2012</b>	4	3	0	1	1	<b>9</b>
<b>2013</b>	2	3	0	3	2	<b>10</b>
<b>2014</b>	8	4	1	1	0	<b>14</b>
<b>2015</b>	0	1	0	1	2	<b>4</b>



In 2012 the Average Daily Traffic (ADT) along Lake St reached 10,000 to 13,000 cars at the intersection of Lake St and Harlem Ave. During the same year the ADT along Harlem Ave reached 33,000 to 37,000 cars, according to IDOT.

In 2015 there was little to no change in ADT along Harlem Ave. Lake St saw a decrease in ADT to 9,000 cars.

At the intersection of Lake St and Harlem Ave there were 14 accidents in 2011, 9 in 2012, 10 in 2013, 14 in 2014 and 4 in 2015.

**Coordinate Collision Diagram Report**

1/1/2015 to 12/31/2015

For XCoordinate 2939626.17863742 : YCoordinate 1910768.11172603 | Foot Tolerance : 200 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	----- A	Injuries B	----- C	Killed	Type of Crash	Light Condition	Mile	XCoordinate YCoordinate	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201501114042</b>																				
6/11/2015 4:00 PM	Clear	Dry	0	0	0	0	Sideswipe Same Direction	Daylight	26.64	2939566.43659769 1910764.96255909	SUV	East	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
											Van/Mini-Van	East	Changing Lanes	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
<b>201501347592</b>																				
9/29/2015 5:35 PM	Cloudy/Overcast	Dry	0	1	0	0	Pedestrian	Daylight	26.64	2939626.19312575 1910768.11278584	SUV	East	Turning Left	Pedestrian	Other	(UNK)	(UNK)	(UNK)	(UNK)	1
<b>201501291874</b>																				
12/17/2015 6:28 PM	Clear	Dry	0	0	2	0	Rear End	Dusk	26.64	2939626.25438322 1910768.11726678	Bus Over 15 Passengers	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
											Passenger	Northeast	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201501493949</b>																				
12/29/2015 1:10 PM	Clear	Snow or Slush	0	0	0	0	Sideswipe Same Direction	Daylight	26.64	2939726.75479603 1910775.4687989	Van/Mini-Van	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
											SUV	West	Merging	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1

### Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2939626.17863742 : YCoordinate 1910768.11172603 | Foot Tolerance : 200 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

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

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Pedestrian	1	25.0%	Tuesday	2	50.0%	1 PM	1	25.0%	Bus Over 15 Passengers	1	14.3%
Rear End	1	25.0%	Thursday	2	50.0%	4 PM	1	25.0%	Passenger	1	14.3%
Sideswipe Same Direction	2	50.0%	<b>TOTAL:</b>	<b>4</b>		5 PM	1	25.0%	SUV	3	42.9%
<b>TOTAL:</b>	<b>4</b>					6 PM	1	25.0%	Van/Mini-Van	2	28.6%
						<b>TOTAL:</b>	<b>4</b>		<b>TOTAL:</b>	<b>7</b>	

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	3	75.0%	Daylight	3	75.0%	Dry	3	75.0%	East	3	42.9%
Cloudy/Overcast	1	25.0%	Dusk	1	25.0%	Snow or Slush	1	25.0%	North	1	14.3%
<b>TOTAL:</b>	<b>4</b>		<b>TOTAL:</b>	<b>4</b>		<b>TOTAL:</b>	<b>4</b>		Northeast	1	14.3%
									West	2	28.6%
									<b>TOTAL:</b>	<b>7</b>	

**Collision Diagram**

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	A	Injuries B	C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201400002148</b>																			
1/11/2014 11:30 PM	Cloudy/Overcast	Wet	0	0	0	0	Rear End	Darkness, Lighted Road	26.62	SUV	Unknown	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Other	South	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400073704</b>																			
1/12/2014 12:05 AM	Clear	Dry	0	0	3	0	Angle	Darkness, Lighted Road	26.62	Pickup	East	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Pickup	North	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400123646</b>																			
2/20/2014 5:30 PM	Rain	Wet	0	0	0	0	Turning	Darkness, Lighted Road	26.62	Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	North	Turning Right	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400132325</b>																			
3/4/2014 3:38 PM	Clear	Dry	0	0	0	0	Turning	Daylight	26.62	Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	East	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400053413</b>																			
5/27/2014 8:45 PM	Rain	Wet	0	0	0	0	Turning	Darkness, Lighted Road	26.62	Passenger	Southeast	Turning Right	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										SUV	Southeast	Turning Right	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400160877</b>																			
8/13/2014 12:30 PM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	SUV	Unknown	Unknown	Motor Vehicle In Traffic	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	1

### Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	A	Injuries B	C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
										Van/Mini-Van	South	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400156348</b>																			
8/13/2014 3:53 PM	Clear	Dry	0	0	0	0	Turning	Daylight	26.62										
										Tractor With Semi-Trailer	Southwest	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	East	Slow/Stop In Traffic	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400434137</b>																			
8/27/2014 7:51 PM	Clear	Dry	0	0	0	0	Rear End	Dusk	26.62										
										SUV	West	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
										Passenger	West	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	3
										Passenger	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
<b>201400216506</b>																			
9/10/2014 8:00 PM	Rain	Wet	0	0	0	0	Turning	Dusk	26.62										
										Van/Mini-Van	South	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Changing Lanes	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400241703</b>																			
10/1/2014 8:42 AM	Clear	Dry	0	0	1	0	Pedalcyclist	Daylight	26.62										
										Passenger	Southeast	Turning Right	Pedalcyclist	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
<b>201400268127</b>																			
10/21/2014 10:15 AM	Cloudy/Overcast	Dry	0	0	0	0	Turning	Daylight	26.62										
										Passenger	West	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2

**Collision Diagram**

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	----- A	Injuries B	----- C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201400433214</b>																			
10/31/2014 10:20 PM	Snow	Wet	0	0	0	0	Turning	Darkness, Lighted Road	26.62	Passenger	Southeast	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										SUV	Southeast	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400313938</b>																			
12/2/2014 8:10 AM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	SUV	South	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201400458044</b>																			
12/19/2014 4:15 PM	Clear	Dry	0	0	0	0	Turning	Darkness, Lighted Road	26.62	Passenger	Northeast	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	West	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2

### Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
14	0	0	0	2	12	0	4	0	0	4

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	7.1%	Tuesday	4	28.6%	Midnight	1	7.1%	Other	1	3.6%
Pedalcyclist	1	7.1%	Wednesday	5	35.7%	08 AM	2	14.3%	Passenger	16	57.1%
Rear End	4	28.6%	Thursday	1	7.1%	10 AM	1	7.1%	Pickup	2	7.1%
Turning	8	57.1%	Friday	2	14.3%	Noon	1	7.1%	SUV	6	21.4%
<b>TOTAL:</b>	<b>14</b>		Saturday	1	7.1%	3 PM	2	14.3%	Tractor With Semi-Trailer	1	3.6%
			Sunday	1	7.1%	4 PM	1	7.1%	Van/Mini-Van	2	7.1%
			<b>TOTAL:</b>	<b>14</b>		5 PM	1	7.1%	<b>TOTAL:</b>	<b>28</b>	
						7 PM	1	7.1%			
						8 PM	2	14.3%			
						10 PM	1	7.1%			
						11 PM	1	7.1%			
						<b>TOTAL:</b>	<b>14</b>				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	8	57.1%	Darkness, Lighted Road	6	42.9%	Dry	9	64.3%	East	3	10.7%
Cloudy/Overcast	2	14.3%	Daylight	6	42.9%	Wet	5	35.7%	North	4	14.3%
Rain	3	21.4%	Dusk	2	14.3%	<b>TOTAL:</b>	<b>14</b>		Northeast	1	3.6%
Snow	1	7.1%	<b>TOTAL:</b>	<b>14</b>					South	7	25.0%
<b>TOTAL:</b>	<b>14</b>								Southeast	5	17.9%
									Southwest	1	3.6%
									Unknown	2	7.1%



### Collision Diagram

1/1/2014 to 12/31/2014

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

<i>DIRP</i>	<i>Total</i>	<i>%</i>
West	5	17.9%
<b>TOTAL:</b>	<b>28</b>	

**Collision Diagram**

1/1/2013 to 12/31/2013

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	A	Injuries B	C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201301015631</b>																			
1/14/2013 8:52 AM	Clear	Dry	0	0	1	0	Pedestrian	Daylight	26.62	Passenger	South	Turning Right	Pedestrian	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
<b>201301020392</b>																			
1/23/2013 9:00 PM	Snow	Snow or Slush	0	0	0	0	Fixed Object	Dusk	26.62	Passenger	Southwest	Turning Left	Ran Off Roadway	Off Pavement - Right	Curb	Off Pavement - Right	(UNK)	(UNK)	1
<b>201301155008</b>																			
3/4/2013 9:16 AM	Clear	Dry	0	0	1	0	Rear End	Darkness/ Lighted Road	26.62	Passenger	West	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Van/Mini-Van	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201301187930</b>																			
4/12/2013 5:20 PM	Cloudy/Overcast	Dry	0	0	0	0	Sideswipe Same Direction	Daylight	26.62	Passenger	West	Passing/Overtaking	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Van/Mini-Van	West	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201301095472</b>																			
4/17/2013 12:30 PM	Rain	Wet	0	0	0	0	Turning	Daylight	26.62	Unknown	Unknown	Unknown	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	Southeast	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201301216278</b>																			
5/20/2013 2:40 PM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
										Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	3

**Collision Diagram**

1/1/2013 to 12/31/2013

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	A	Injuries B	C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201301128708</b>																			
5/25/2013 4:43 PM	Clear	Dry	0	1	0	0	Rear End	Daylight	26.62	Passenger	East	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	East	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
										Passenger	East	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	3
<b>201301328358</b>																			
8/21/2013 8:33 AM	Clear	Dry	0	0	1	0	Pedestrian	Daylight	26.62	SUV	West	Turning Right	Pedestrian	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
<b>201301328840</b>																			
8/21/2013 3:58 PM	Clear	Dry	0	0	0	0	Turning	Daylight	26.62	SUV	Southeast	Turning Right	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	Southwest	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201301398989</b>																			
11/11/2013 6:45 PM	Clear	Wet	1	0	0	0	Pedestrian	Darkness/ Lighted Road	26.62	Passenger	Southwest	Turning Left	Pedestrian	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1

### Collision Diagram

1/1/2013 to 12/31/2013

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

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

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Fixed Object	1	10.0%	Monday	4	40.0%	08 AM	2	20.0%	Passenger	13	72.2%
Pedestrian	3	30.0%	Wednesday	4	40.0%	09 AM	1	10.0%	SUV	2	11.1%
Rear End	3	30.0%	Friday	1	10.0%	Noon	1	10.0%	Unknown	1	5.6%
Sideswipe Same Direction	1	10.0%	Saturday	1	10.0%	2 PM	1	10.0%	Van/Mini-Van	2	11.1%
Turning	2	20.0%	<b>TOTAL:</b>	<b>10</b>		3 PM	1	10.0%	<b>TOTAL:</b>	<b>18</b>	
<b>TOTAL:</b>	<b>10</b>					4 PM	1	10.0%			
						5 PM	1	10.0%			
						6 PM	1	10.0%			
						9 PM	1	10.0%			
						<b>TOTAL:</b>	<b>10</b>				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	7	70.0%	Darkness/ Lighted Road	2	20.0%	Dry	7	70.0%	East	3	16.7%
Cloudy/Overcast	1	10.0%	Daylight	7	70.0%	Snow or Slush	1	10.0%	North	3	16.7%
Rain	1	10.0%	Dusk	1	10.0%	Wet	2	20.0%	South	1	5.6%
Snow	1	10.0%	<b>TOTAL:</b>	<b>10</b>		<b>TOTAL:</b>	<b>10</b>		Southeast	2	11.1%
<b>TOTAL:</b>	<b>10</b>								Southwest	3	16.7%
									Unknown	1	5.6%
									West	5	27.8%
									<b>TOTAL:</b>	<b>18</b>	

### Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	A	Injuries B	C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201201034318</b>																			
2/23/2012 2:04 PM	Rain	Wet	0	0	0	0	Turning	Daylight	26.62	Tractor With Semi-Trailer	East	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	East	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201201072877</b>																			
3/21/2012 2:18 PM	Clear	Dry	0	0	0	0	Turning	Daylight	26.62	SUV	Southeast	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										SUV	North	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201201135819</b>																			
6/2/2012 1:14 PM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	Passenger	South	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Slow/Stop - Right Turn	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
										Passenger	South	Slow/Stop - Right Turn	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	3
<b>201201150168</b>																			
6/14/2012 2:29 PM	Clear	Dry	0	0	1	0	Pedalcyclist	Daylight	26.62	Passenger	North	Slow/Stop In Traffic	Pedalcyclist	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
										Passenger	North	Slow/Stop In Traffic	Pedalcyclist	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	3
<b>201201161152</b>																			
7/2/2012 7:40 PM	Unknown	Unknown	0	0	0	0	Sideswipe Same Direction	Unknown	26.62	Van/Mini-Van	South	Changing Lanes	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Slow/Stop In Traffic	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2

**Collision Diagram**

1/1/2012 to 12/31/2012

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	A	Injuries B	C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201201167033</b>																			
7/18/2012 2:59 PM	Clear	Other	0	0	0	0	Turning	Daylight	26.62	Passenger	Southwest	Turning Right	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201201293653</b>																			
8/7/2012 5:14 PM	Clear	Dry	0	1	0	0	Rear End	Daylight	26.62	SUV	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										SUV	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	2
										SUV	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	3
<b>201201235344</b>																			
8/7/2012 6:58 PM	Clear	Dry	0	0	0	0	Turning	Daylight	26.62	Passenger	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										SUV	West	Turning Right	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201201247576</b>																			
8/28/2012 10:40 AM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	Passenger	East	Starting In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										SUV	East	Slow/Stop - Right Turn	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2

### Collision Diagram

1/1/2012 to 12/31/2012

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
9	0	0	1	1	7	0	2	0	1	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Pedalcyclist	1	11.1%	Monday	1	11.1%	10 AM	1	11.1%	Passenger	11	55.0%
Rear End	3	33.3%	Tuesday	3	33.3%	1 PM	1	11.1%	SUV	7	35.0%
Sideswipe Same Direction	1	11.1%	Wednesday	2	22.2%	2 PM	4	44.4%	Tractor With Semi-Trailer	1	5.0%
Turning	4	44.4%	Thursday	2	22.2%	5 PM	1	11.1%	Van/Mini-Van	1	5.0%
<b>TOTAL:</b>	<b>9</b>		Saturday	1	11.1%	6 PM	1	11.1%	<b>TOTAL:</b>	<b>20</b>	
			<b>TOTAL:</b>	<b>9</b>		7 PM	1	11.1%			
						<b>TOTAL:</b>	<b>9</b>				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	7	77.8%	Daylight	8	88.9%	Dry	6	66.7%	East	4	20.0%
Rain	1	11.1%	Unknown	1	11.1%	Other	1	11.1%	North	6	30.0%
Unknown	1	11.1%	<b>TOTAL:</b>	<b>9</b>		Unknown	1	11.1%	South	6	30.0%
<b>TOTAL:</b>	<b>9</b>					Wet	1	11.1%	Southeast	1	5.0%
						<b>TOTAL:</b>	<b>9</b>		Southwest	1	5.0%
									West	2	10.0%
									<b>TOTAL:</b>	<b>20</b>	

**Collision Diagram**

1/1/2011 to 12/31/2011

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	----- A	Injuries B	----- C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201101021496</b>																			
2/1/2011 12:55 PM	Snow	Snow or Slush	0	0	0	0	Turning	Daylight	26.62	Passenger	Southwest	Turning Right	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	West	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101027737</b>																			
2/16/2011 6:15 PM	Clear	Wet	0	0	0	0	Rear End	Darkness	26.62	SUV	South	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Slow/Stop - Right Turn	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101099046</b>																			
3/23/2011 9:40 PM	Clear	Wet	0	1	0	0	Rear End	Darkness, Lighted Road	26.62	Passenger	North	Backing	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Van/Mini-Van	North	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101099111</b>																			
3/24/2011 6:05 PM	Clear	Dry	0	0	1	0	Pedalcyclist	Daylight	26.62	Passenger	North	Turning Right	Pedalcyclist	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101090240</b>																			
4/12/2011 5:51 PM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	Van/Mini-Van	South	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										SUV	South	Slow/Stop In Traffic	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101126014</b>																			
5/8/2011 5:30 PM	Clear	Dry	0	0	0	0	Turning	Daylight	26.62	Passenger	West	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	West	Turning Right	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2



**Collision Diagram**

1/1/2011 to 12/31/2011

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	A	Injuries B	C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201101204543</b>																			
6/7/2011 9:10 AM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	North	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101166675</b>																			
6/7/2011 2:35 PM	Clear	Dry	0	1	0	0	Turning	Daylight	26.62	Passenger	East	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101313407</b>																			
8/1/2011 12:32 PM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	Passenger	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	2
										Van/Mini-Van	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	3
<b>201101246529</b>																			
8/15/2011 1:03 PM	Clear	Dry	0	1	0	0	Pedestrian	Daylight	26.62	Passenger	Southeast	Turning Right	Pedestrian	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
<b>201101335712</b>																			
10/25/2011 11:21 AM	Clear	Dry	0	0	0	0	Turning	Daylight	26.62	Passenger	Southwest	Turning Right	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	West	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2

**Collision Diagram**

1/1/2011 to 12/31/2011

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

Date	Weather	Roadway	----- A	Injuries B	----- C	Killed	Type of Crash	Light Condition	Mile	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit
<b>201101410296</b>																			
11/18/2011 10:20 AM	Clear	Dry	0	0	0	0	Rear End	Daylight	26.62	Passenger	West	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	West	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101375013</b>																			
11/30/2011 5:30 PM	Clear	Dry	0	0	0	0	Rear End	Darkness	26.62	Passenger	South	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	South	Slow/Stop In Traffic	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2
<b>201101436775</b>																			
12/14/2011 3:10 PM	Rain	Wet	0	0	0	0	Turning	Daylight	26.62	SUV	Southeast	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1
										Passenger	North	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	2

### Collision Diagram

1/1/2011 to 12/31/2011

Crash Route: IL043 | From MileStation 26.62 to 26.62 | County : Cook | Intersection Related: Intersections | \*See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
14	0	0	3	1	10	0	4	0	3	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Pedalcyclist	1	7.1%	Monday	2	14.3%	09 AM	1	7.1%	Passenger	21	77.8%
Pedestrian	1	7.1%	Tuesday	5	35.7%	10 AM	1	7.1%	SUV	3	11.1%
Rear End	7	50.0%	Wednesday	4	28.6%	11 AM	1	7.1%	Van/Mini-Van	3	11.1%
Turning	5	35.7%	Thursday	1	7.1%	Noon	2	14.3%	<b>TOTAL:</b>	<b>27</b>	
<b>TOTAL:</b>	<b>14</b>		Friday	1	7.1%	1 PM	1	7.1%			
			Sunday	1	7.1%	2 PM	1	7.1%			
			<b>TOTAL:</b>	<b>14</b>		3 PM	1	7.1%			
						5 PM	3	21.4%			
						6 PM	2	14.3%			
						9 PM	1	7.1%			
						<b>TOTAL:</b>	<b>14</b>				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	12	85.7%	Darkness	2	14.3%	Dry	10	71.4%	East	1	3.7%
Rain	1	7.1%	Darkness, Lighted Road	1	7.1%	Snow or Slush	1	7.1%	North	6	22.2%
Snow	1	7.1%	Daylight	11	78.6%	Wet	3	21.4%	South	6	22.2%
<b>TOTAL:</b>	<b>14</b>		<b>TOTAL:</b>	<b>14</b>		<b>TOTAL:</b>	<b>14</b>		Southeast	2	7.4%
									Southwest	2	7.4%
									West	10	37.0%
									<b>TOTAL:</b>	<b>27</b>	

# Traffic Volume

## September 2012

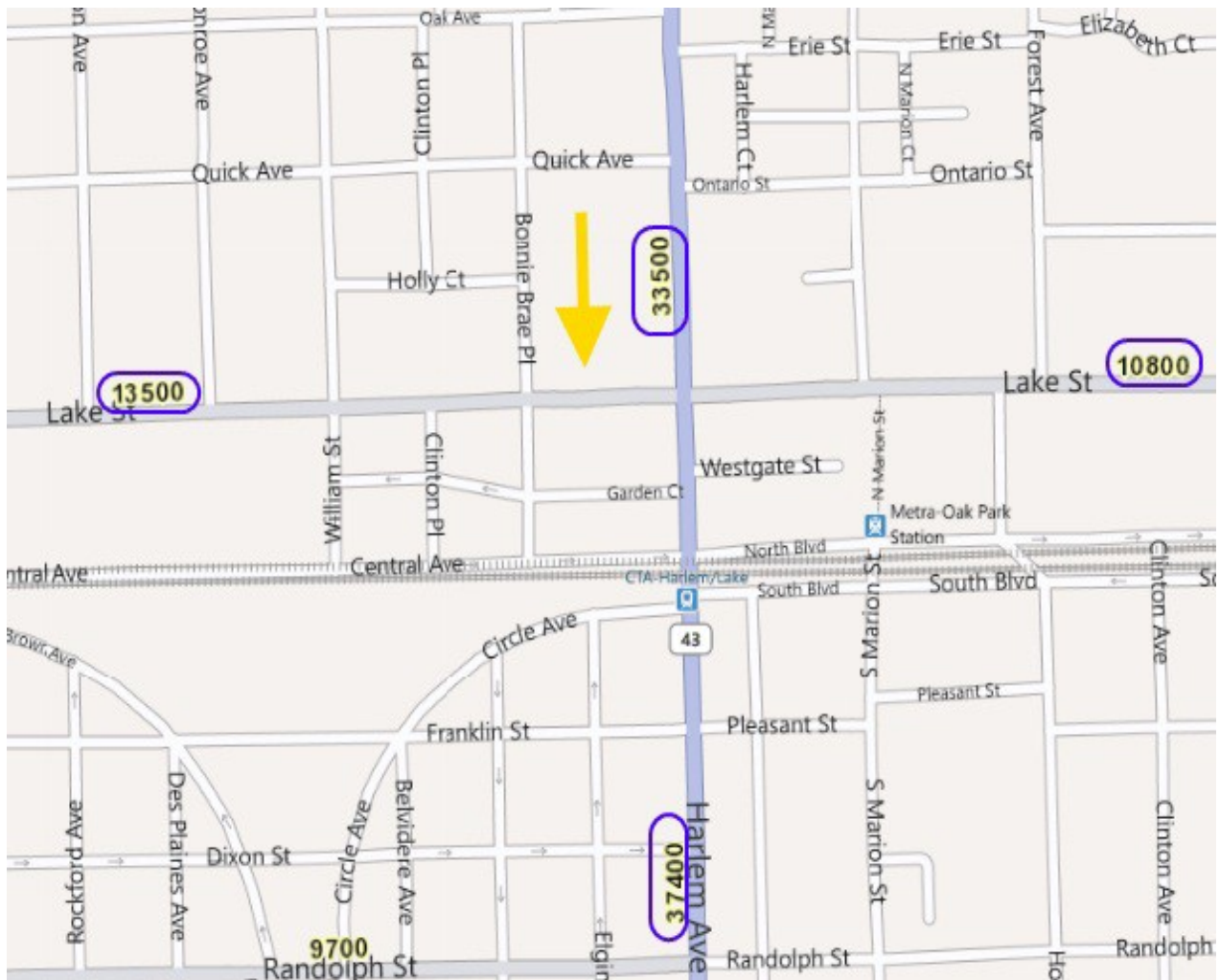
The traffic numbers below were obtained from the IDOT website per the RLR Guideline document published by IDOT. Only ADT values were available, peak numbers were not provided.

### Harlem Ave ADT

- North: 33,500
- South: 37,400

### Lake St ADT

- East: 10,800
- West: 13,500



## September 2015

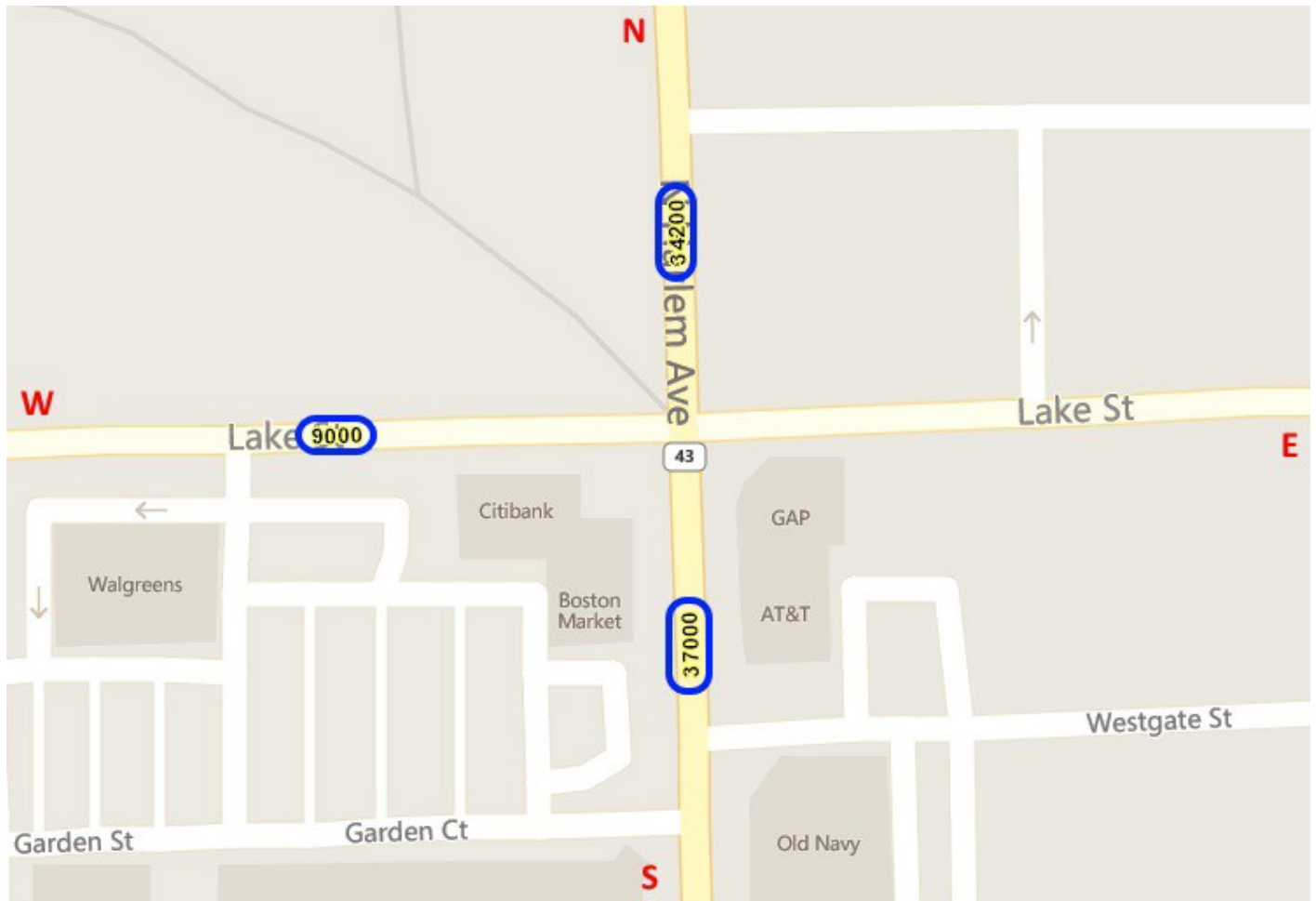
The traffic numbers below were obtained from the IDOT website per the RLR Guideline document published by IDOT. Only ADT values were available, peak numbers were not provided.

### Harlem Ave ADT

- North: 34,200
- South: 37,000

### Lake St ADT

- East: 9,000
- West: 9,000



# Summary

The long-term goal of RLR camera enforcement programs such as this one is to increase traffic safety by enforcing red light running ordinances in a consistent manner and with transparency for a sustained period. The timing of the traffic signals at this intersection has not been altered, and should not be altered while the RLR camera system is in operation. In time these cameras will become a part of everyday life for motorists living and working in this area.

The intersection of Lake St and Harlem Ave was selected specifically for this program because of its high traffic volume and crash rate. All processes are in compliance with the RLR regulations laid out by the Illinois Department of Transportation District 1 Bureau of Traffic Operations.

In 2012, **The Village of River Forest** received approval from the Illinois Department of Transportation (IDOT) to install Red Light Running (RLR) cameras on the southbound approach at the intersection of Lake St and Harlem Ave. The installation followed a comprehensive analysis and justification process. The dates of the most relevant events are listed below.

- Date at which the justification report was submitted: **12/08/2011** approved: **3/06/2012**
- Submitted for installation: **3/26/2012** approved: **5/10/2012**
- Date at which the permit and bond was submitted: **8/16/2012** and approved: **9/4/2012**
- Date at which cameras went live on the southbound approach: **5/01/2014**

After analyzing all of the available data, prior to the RLR camera installation, in 2011 there were 14 total crashes, 9 in 2012 and 10 in 2013, that is an average of 11 total crashes at Lake St and Harlem Ave per year. In 2015, one year after RLR camera installation, that number dropped to 4; a decrease of 63.64%.

Studies have reported that red light cameras reduce angle and turning crashes. This proved to be true at the intersection of Lake St and Harlem Ave. Before the RLR camera, in the year 2011 there were 5 turning collisions, 4 in 2012 and 2 in 2013. In 2015, one year after installation, there were 0 turning crashes.