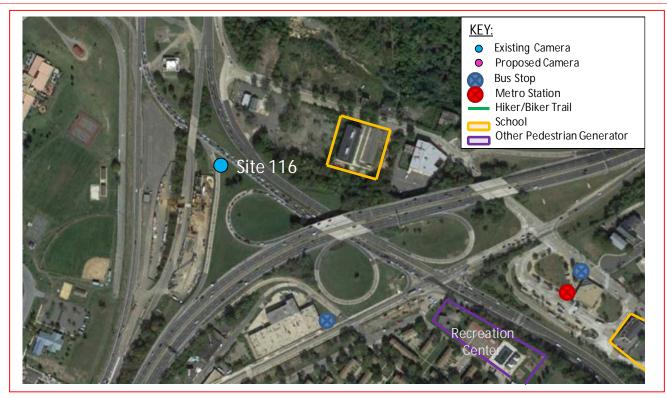




### Speed Limit and Safety Nexus Studies for Automated Enforcement Locations in the District of Columbia Suitland Parkway 0.3 Miles from Firth Sterling Avenue SE

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
7	703	8	8C	Existing	Suitland Parkway 0.3 Miles from Firth Sterling
					Avenue Southeast Northwest-bound



The existing speed camera is located in Ward 8 on Suitland Parkway 0.3 miles prior to Firth Sterling Avenue Southeast in the northwest-bound direction. Suitland Parkway runs between Pennsylvania Avenue to the east and Anacostia Freeway to the west. The posted speed limit is 35 MPH. This speed camera was installed on November 2008.



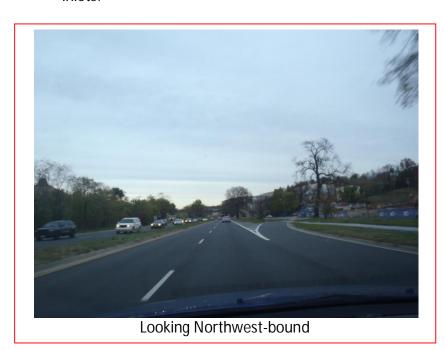




#### Field Assessment Summary

Suitland Parkway is assumed to run in a northwest-southeast direction, and is classified as a freeway/expressway. Suitland Parkway has two travel lanes in each direction. This site has the following characteristics:

- There are two schools in the area: Howard Road Academy and Septima Clark Public Charter School.
- There is a traffic signal with pedestrian signals at Firth Sterling Avenue.
- There is sidewalk on the north side that ends at a pedestrian foot bridge between Stanton Road and Sheridan Road.
- There is a grassy median and the pavement is in good condition with curb and gutter with drainage inlets.









Speed Data Analysis

Posted Speed Limit (MPH)	35
Mean Speed (MPH)	29
85th Percentile Speed (MPH)	34
10 MPH Pace Speed (MPH)	27-36
ADT	14,352

The mean speed is 6 MPH lower than the posted speed and the 85<sup>th</sup> percentile speed is 1 MPH lower than the posted speed.

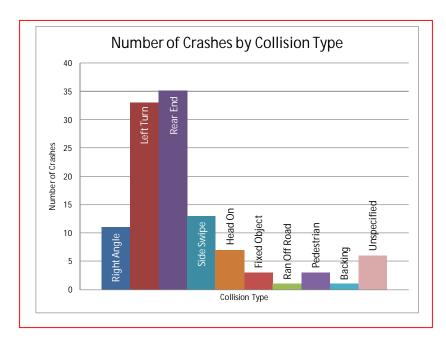
### Crash Data Analysis

From the Accident Summary Report provided for the dates between January 1, 2010 and December 31, 2012 there were a total of 113 crashes at this location. A breakdown of number of crashes by collision type can be found in the chart on the next page. The most common types of crashes at this location were Rear End (35 crashes), Left Turn (33 crashes), Side Swipe (13 crashes) and Right Angle (11 crashes). Furthermore, this site experienced a high frequency (72 crashes) of injury-related crashes.





Severity			We	ather		Surface	conditi	ion	Light Condition			
Total	113											
Fatal	0	0.0%	Clear	94	83.2%	Dry	91	80.5%	Day	67	59.3%	
Injury	72	63.7%	Rain	14	12.4%	Wet	17	15.0%	Night	38	33.6%	
Truck	14	12.4%	Fog/Mist	0	0.0%	Repairing	1	0.9%				
Police/EMS	4	3.5%										



There were an elevated number of speed-related crashes at this location, including Rear End crashes. The *Highway Safety Manual* lists "assuming the lead driver will go through a green or yellow light, but the lead driver stops" and "changing lanes to avoid a slowing or stopped vehicle" as two errors leading to rear-end crashes.<sup>1</sup> Both of these errors can be reduced with a decrease in travel speed.

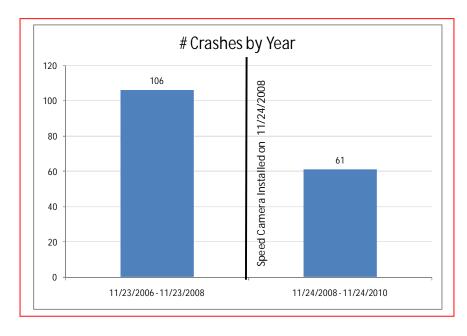
This speed camera was installed on November 24, 2008. A graph showing the number of crashes for the 2 years prior to installation and the 2 years after installation can be found on the next page. The number of crashes decreased from 106 in the 2 years before installation to 61 in the 2 years after installation. The number of injury crashes also decreased from 50 in the 2 years before installation to 37 in the 2 years after installation.

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<sup>&</sup>lt;sup>1</sup> AASHTO, *Highway Safety Manual*, 1<sup>st</sup> Edition, 2010; Volume 1, pages 2-13.







The intersection of Firth Sterling Avenue SE and Suitland Parkway SE is one of the Top 5% High Accident Locations for 2010-2012. 1

#### Safety Nexus

This site presents the following safety considerations which may establish a nexus between traffic safety and the speed camera.

- 1. Speed Data The speed data analysis shows travel speeds being lower than the posted speed limit.
- 2. Crash Data There was an elevated number of speed-related crashes at this location, including Rear End crashes, as well as a high frequency (72 crashes) of injury-related crashes. The number of crashes decreased after installation. The intersection of Firth Sterling Avenue SE and Suitland Parkway SE is one of the Top 5% High Accident Locations for 2010-2012.
- 3. Field Assessment The following site characteristics suggest a need for a safer travel environment:
  - There are two schools in the area: Howard Road Academy and Septima Clark Public Charter School.
  - b. There are several bus stops in the area which generate pedestrian activity.

Although the speed data analysis showed the mean and 85<sup>th</sup> percentile speeds to be lower than the posted speed limit, due to the elevated number of speed-related crashes and injury-related crashes, the specific site

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W8 - 17

<sup>&</sup>lt;sup>1</sup> DDOT, Top 5% High Accident Locations Map for 2010-2012





characteristics, the proximity of schools to the site, the designation of the intersection as a high accident location, and other pedestrian generators, there is a nexus between traffic safety and the speed camera at this location.

## SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD MOUNT AIRY, MD 21771

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#### Suitland Pkwy .3 m pr Firth Sterling Av SE NWB Speed

NWB															
Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/03/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	3	0	1	17	74	30	0	0	0	0	0	0	0	0	125
04:00	15	0	1	53	348	106	2	0	0	0	0	0	0	0	525
05:00	49	17	61	385	644	66	0	0	0	0	0	0	0	0	1222
06:00	113	49	168	573	541	54	0	0	0	0	0	0	0	0	1498
07:00	217	108	176	451	314	15	0	0	0	0	0	0	0	0	1281
08:00	319	86	100	186	188	18	0	0	0	0	0	0	0	0	897
09:00	42	3	45	293	594	82	0	0	0	0	0	0	0	0	1059
10:00	22	0	6	176	529	57	2	0	0	0	0	0	0	0	792
11:00	14	0	6	137	459	52	3	0	0	0	0	0	0	0	671
12 PM	17	0	4	127	461	73	2	0	0	0	0	0	0	0	684
13:00	18	0	6	119	478	73	2	0	0	0	0	0	0	0	696
14:00	17	0	10	216	430	63	3	0	0	0	0	0	0	0	739
15:00	15	0	1	116	424	90	1	0	0	0	0	0	0	0	647
16:00	22	0	2	146	354	58	2	0	0	0	0	0	0	0	584
17:00	10	0	3	171	382	36	0	0	0	0	0	0	0	0	602
18:00	10	0	2	143	322	36	1	0	0	0	0	0	0	0	514
19:00	4	0	2	89	244	30	1	0	0	0	0	0	0	0	370
20:00	3	0	2	75	214	31	1	0	0	0	0	0	0	0	326
21:00	4	0	2	54	227	46	1	0	0	0	0	0	0	0	334
22:00	5	0	0	58	225	49	0	0	0	0	0	0	0	0	337
23:00	2	0	2	42	120	32	3	0	0	0	0	0	0	0	201
Total	921	263	600	3627	7572	1097	24	0	0	0	0	0	0	0	14104

## SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD MOUNT AIRY, MD 21771

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#### Suitland Pkwy .3 m pr Firth Sterling Av SE NWB Speed

NWB															
Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/04/13	0	0	2	39	40	7	0	0	0	0	0	0	0	0	88
01:00	0	0	0	14	43	5	1	0	0	0	0	0	0	0	63
02:00	0	0	1	21	44	7	0	0	0	0	0	0	0	0	73
03:00	0	0	0	5	15	4	0	0	0	0	0	0	0	0	24
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	3	79	142	23	1	0	0	0	0	0	0	0	248
Grand Total	921	263	603	3706	7714	1120	25	0	0	0	0	0	0	0	14352

 15th Percentile:
 21 MPH

 50th Percentile:
 30 MPH

 85th Percentile:
 34 MPH

 95th Percentile:
 36 MPH

 Stats
 Mean Speed(Average) :
 29 MPH

 10 MPH Pace Speed :
 27-36 MPH

10 MPH Pace Speed: 27-36 MPH

Number in Pace: 9915

Percent in Pace: 69.1%

Number of Vehicles > 35 MPH: 18.26

Percent of Vehicles > 35 MPH: 12.7%

## SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD MOUNT AIRY, MD 21771

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#### Suitland Pkwy .3 m pr Firth Sterling Av SE NWB Volume

Time   AM   PM   AM   PM   AM   PM   AM   PM   AM   PM   P	Start	Tue	03-Dec-13	Wed	04-Dec-13	Thu	05-Dec-13	Daily Ave	erage
1200   * 169   24   *							P.M.		
12:15					*				
1230	12:15	*			*	*	*		
1245   * 189	12:30	*	163		*	*	*	24	163
01100		*		16	*	*	*	16	
01150	01:00	*	185		*	*	*	17	
0130		*			*	*	*	14	
01:45	01:30	*	187	18	*	*	*	18	
02:00	01:45	*			*	*	*	14	
02:15		*			*	*	*	12	
03:00		*	178	18	*	*	*	18	178
03:00	02:30	*			*	*	*	18	
03:00		*		25	*	*	*	25	
03:15 33 171	03:00	*			*	*	*	24	
03:30 45 146 * * * * * 45 146 03:45 47 154 * * * * * 47 154 04:00 60 148 * * * * * 60 148 04:15 100 138 * * * * 100 138 04:30 150 148 * * * * 100 138 04:30 150 148 * * * * 100 138 04:30 150 148 * * * 100 138 04:30 150 148 * * * 100 138 04:30 150 148 * * * 100 138 04:30 150 148 * * * 100 138 04:30 150 148 * * * 100 138 05:50 206 141 * * * * 206 141 05:15 278 188 * * * * 278 188 05:30 372 131 * * * 372 131 05:45 366 142 * * * 366 142 06:00 377 150 * * * 366 142 06:00 377 150 * * * 366 142 06:00 377 150 * * * 366 142 06:00 377 150 * * * 356 130 06:30 397 117 * * * * 356 130 06:30 397 117 * * * * 356 130 06:30 397 117 * * * * 368 117 07:00 401 97 * * * * 401 97 07:15 387 98 * * * * * 388 388 117 07:00 401 97 * * * * * 368 117 07:00 401 97 * * * * * * 387 98 07:30 256 87 * * * * * * 256 88 08:00 139 81 * * * * * 256 88 08:00 139 81 * * * * * 226 88 08:00 139 81 * * * * * 139 81 08:15 219 93 * * * * * * 227 88 08:00 139 81 * * * * * 139 81 08:15 219 93 * * * * * * 237 62 08:45 302 90 * * * * * 237 62 09:00 263 85 * * * * * 237 66 09:30 291 106 * * * 237 66 09:30 291 106 * * * 237 66 09:30 291 106 * * * * 237 66 09:30 291 106 * * * * 232 77 10:00 213 82 * * * * 233 66 09:30 291 106 6 * * * * * 237 66 09:30 291 106 6 * * * * * * 237 66 09:30 291 106 6 * * * * * * * 237 66 09:30 291 106 6 * * * * * * * * * * * * * * * * * *		33			*	*	*	33	
04:00 60 148	03:30	45		*	*	*	*	45	
04:00 60 148		47		*	*	*	*	47	
04:15 100 138	04:00			*	*	*	*	60	
0430 150 148	04:15		138	*	*	*	*	100	
04445 215 150	04:30			*	*	*	*	150	
05:00 206 141	04:45	215		*	*	*	*	215	
05:15         278         188         *         *         *         372         131           05:45         366         142         *         *         *         366         142           06:00         377         150         *         *         *         366         142           06:015         356         130         *         *         *         377         150           06:30         397         117         *         *         *         356         130           06:30         397         117         *         *         *         397         117           06:45         388         117         *         *         *         368         117           07:00         401         97         *         *         *         401         97           07:15         387         98         *         *         *         387         98           07:30         256         87         *         *         *         237         88           08:45         237         88         *         *         *         237         88           08:15	05:00			*	*	*	*	206	
05:30         372         131         *         *         *         372         131           05:45         366         142         *         *         *         *         366         142           06:00         377         150         *         *         *         *         377         150           06:15         356         130         *         *         *         *         377         150           06:15         356         130         *         *         *         *         356         130           06:15         356         130         *         *         *         *         356         130           06:45         368         117         *         *         *         *         368         117           07:00         401         97         *         *         *         *         401         97           07:15         387         98         *         *         *         *         256         87           07:45         237         88         *         *         *         *         237         88           08:00         139 </td <td>05:15</td> <td>278</td> <td>188</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>278</td> <td></td>	05:15	278	188	*	*	*	*	278	
05:45     366     142     *     *     *     366     142       06:00     377     150     *     *     *     377     150       06:15     356     130     *     *     *     *     356     130       06:30     397     117     *     *     *     *     386     117       06:45     368     117     *     *     *     *     401     97       07:00     401     97     *     *     *     *     401     97       07:15     387     98     *     *     *     401     97       07:15     387     98     *     *     *     256     87       07:15     387     98     *     *     *     256     87       07:15     387     98     *     *     *     256     88       07:45     237     88     *     *     *     237     88       08:15     219     93     *     *     *     219     93       08:15     219     93     *     *     *     *     219     93       08:15     219     93     *				*	*	*	*		
06:00 377 150 * * * * * 377 150 06:15 356 130 * * * * * * * 356 130 06:30 397 117 * * * * * * 387 117 06:45 368 117 * * * * * * 368 117 07:00 401 97 * * * * * * 401 97 07:15 387 98 * * * * * * * 387 98 07:30 256 87 * * * * * * * 256 87 07:45 237 88 * * * * * * * 139 81 08:15 219 93 * * * * * * 139 81 08:15 219 93 * * * * * * 139 81 08:15 219 93 * * * * * * 219 93 08:30 237 62 * * * * * * 237 62 08:45 302 90 * * * * * * 302 90 09:00 263 85 * * * * * * 263 85 09:15 273 66 * * * * * * 263 85 09:15 273 66 * * * * * * 273 66 09:30 291 106 * * * * * 291 106 09:45 232 77 * * * * * * 291 106 09:45 232 77 * * * * * * 291 106 09:45 232 77 * * * * * * 210 89 10:30 205 98 * * * * * * 210 89 10:30 205 98 * * * * * * 157 71 11:15 179 51 * * * * * 157 71 11:15 179 51 * * * * * 164 68 11:00 157 71 * * * * * * 157 71 11:15 179 51 * * * * * * 163 42  Combined Total 8070 6034 248 0 0 0 0 8318 6034  Combined Total 14104 248 0 0 0 0 8318 6034  Combined Total 8070 6034 0248 0 0 0 0 8318 6034  Combined Total 8070 6034 0248 0 0 0 0 8318 6034  Combined Total 8070 6034 0248 0 0 0 0 8318 6034  Combined Total 1553 741 88 0 1553 741 P.H.F. 0.968 0.908 0.908	05:45	366	142	*	*	*	*	366	
06:15   356   130   397   117   1115   1120   397   117   1115   172   37   117   1115   172   37   117   1115   172   37   117   1115   172   37   118   1180	06:00	377		*	*	*	*	377	
06:30   397   117	06:15			*	*	*	*		
06:45   368   117	06:30	397		*	*	*	*	397	
07/10         401         97         *         *         *         *         *         401         97           07:15         387         98         *         *         *         *         *         387         98           07:30         256         87         *         *         *         *         *         256         87           07:45         237         88         *         *         *         *         237         88           08:00         139         81         *         *         *         237         88           08:15         219         93         *         *         *         219         93           08:30         237         62         *         *         *         *         237         62           08:45         302         90         *         *         *         *         237         62           09:00         263         85         *         *         *         *         263         85           09:15         273         66         *         *         *         *         *         273         66 <t< td=""><td></td><td>368</td><td></td><td>*</td><td>*</td><td>*</td><td>*</td><td></td><td></td></t<>		368		*	*	*	*		
07:15         387         98         *         *         *         *         387         98           07:30         256         87         *         *         *         *         256         87           07:45         237         88         *         *         *         *         237         88           08:00         139         81         *         *         *         139         81           08:15         219         93         *         *         *         219         93           08:30         237         62         *         *         *         237         62           08:45         302         90         *         *         *         *         302         90           09:00         263         85         *         *         *         *         *         237         66           09:15         273         66         *         *         *         *         2273         66           09:30         291         106         *         *         *         *         291         106           09:45         232         77				*	*	*	*		
07:30         256         87         *         *         *         256         87           07:45         237         88         *         *         *         *         237         88           08:00         139         81         *         *         *         *         139         81           08:15         219         93         *         *         *         *         219         93           08:30         237         62         *         *         *         *         237         62           08:45         302         90         *         *         *         *         302         90           09:00         263         85         *         *         *         *         263         85           09:15         273         66         *         *         *         *         273         66           09:15         273         66         *         *         *         *         291         106           09:45         232         77         *         *         *         *         232         77           10:00         213         <	07:15	387		*	*	*	*	387	98
07:45     237     88     *     *     *     *     139     81       08:00     139     81     *     *     *     *     139     81       08:15     219     93     *     *     *     *     219     93       08:30     237     62     *     *     *     *     237     62       08:45     302     90     *     *     *     *     302     90       09:00     263     85     *     *     *     *     263     85       09:15     273     66     *     *     *     *     273     66       09:30     291     106     *     *     *     *     291     106       09:45     232     77     *     *     *     *     232     77       10:00     213     82     *     *     *     *     *     232     77       10:00     213     89     *     *     *     *     *     210     89       10:15     210     89     *     *     *     *     *     *     210     89       10:45     164     68	07:30			*	*	*	*		
08:00       139       81       *       *       *       139       81         08:15       219       93       *       *       *       *       219       93         08:30       237       62       *       *       *       *       237       62         08:45       302       90       *       *       *       *       302       90         09:00       263       85       *       *       *       *       263       85         09:15       273       66       *       *       *       *       273       66         09:30       291       106       *       *       *       *       291       106         09:45       232       77       *       *       *       *       232       77         10:00       213       82       *       *       *       *       213       82         10:15       210       89       *       *       *       *       201       89         10:30       205       98       *       *       *       *       *       164       68         11:00	07:45	237	88	*	*	*	*	237	88
08:15     219     93     *     *     *     *     219     93       08:30     237     62     *     *     *     *     237     62       08:45     302     90     *     *     *     *     *     *     302     90       09:00     263     85     *     *     *     *     *     263     85       09:15     273     66     *     *     *     *     273     66       09:30     291     106     *     *     *     *     291     106       09:45     232     77     *     *     *     291     106       09:45     232     77     *     *     *     291     106       09:45     232     77     *     *     *     *     232     77       10:00     213     82     *     *     *     *     213     82       10:15     210     89     *     *     *     *     *     210     89       10:30     205     98     *     *     *     *     *     *     *     164     68       11:00     157	08:00			*	*	*	*		
08:30     237     62     *     *     *     237     62       08:45     302     90     *     *     *     *     302     90       09:00     263     85     *     *     *     *     263     85       09:15     273     66     *     *     *     *     273     66       09:30     291     106     *     *     *     *     291     106       09:45     232     77     *     *     *     232     77       10:00     213     82     *     *     *     213     82       10:15     210     89     *     *     *     *     210     89       10:30     205     98     *     *     *     *     *     205     98       10:45     164     68     *     *     *     *     *     *     164     68       11:00     157     71     *     *     *     *     *     *     179     51       11:30     163     42     *     *     *     *     *     *     179     51       11:45     172     37	08:15	219		*	*	*	*	219	93
08:45     302     90     *     *     *     *     *     *     302     90       09:00     263     85     *     *     *     *     *     *     263     85       09:15     273     66     *     *     *     *     *     273     66       09:30     291     106     *     *     *     *     291     106       09:45     232     77     *     *     *     *     291     106       09:45     232     77     *     *     *     *     232     77       10:00     213     82     *     *     *     *     213     82       10:15     210     89     *     *     *     *     210     89       10:30     205     98     *     *     *     *     *     205     98       10:45     164     68     *     *     *     *     *     *     164     68       11:00     157     71     *     *     *     *     *     *     *     157     71       11:15     179     51     *     *     *     * <td>08:30</td> <td>237</td> <td></td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>237</td> <td></td>	08:30	237		*	*	*	*	237	
09:00     263     85     *     *     *     *     263     85       09:15     273     66     *     *     *     *     *     273     66       09:30     291     106     *     *     *     *     291     106       09:45     232     77     *     *     *     *     232     77       10:00     213     82     *     *     *     *     213     82       10:15     210     89     *     *     *     *     210     89       10:30     205     98     *     *     *     *     205     98       10:45     164     68     *     *     *     *     164     68       11:00     157     71     *     *     *     *     157     71       11:15     179     51     *     *     *     *     179     51       11:30     163     42     *     *     *     *     163     42       11:45     172     37     *     *     *     *     172     37       Total     8070     6034     248     0     0 <td>08:45</td> <td>302</td> <td>90</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>302</td> <td>90</td>	08:45	302	90	*	*	*	*	302	90
09:15     273     66     *     *     *     *     273     66       09:30     291     106     *     *     *     *     291     106       09:45     232     77     *     *     *     *     232     77       10:00     213     82     *     *     *     213     82       10:15     210     89     *     *     *     210     89       10:30     205     98     *     *     *     *     205     98       10:45     164     68     *     *     *     *     164     68       11:00     157     71     *     *     *     *     157     71       11:15     179     51     *     *     *     *     179     51       11:30     163     42     *     *     *     *     163     42       11:45     172     37     *     *     *     *     172     37       Total     8070     6034     248     0     0     0     8318     6034       Combined     Total     14104     248     0     0     0     0	09:00			*	*	*	*	263	85
09:30     291     106     *     *     *     *     291     106       09:45     232     77     *     *     *     *     232     77       10:00     213     82     *     *     *     *     213     82       10:15     210     89     *     *     *     *     210     89       10:30     205     98     *     *     *     *     205     98       10:45     164     68     *     *     *     *     *     205     98       11:00     157     71     *     *     *     *     *     164     68       11:00     157     71     *     *     *     *     *     *     157     71       11:15     179     51     *     *     *     *     *     *     163     42       11:45     172     37     *     *     *     *     *     *     172     37       Total     8070     6034     248     0     0     0     8318     6034       Combined     14104     248     0     0     0     314352       P	09:15		66	*	*	*	*	273	66
09:45     232     77     *     *     *     *     232     77       10:00     213     82     *     *     *     *     213     82       10:15     210     89     *     *     *     *     210     89       10:30     205     98     *     *     *     *     205     98       10:45     164     68     *     *     *     *     *     164     68       11:00     157     71     *     *     *     *     *     157     71       11:15     179     51     *     *     *     *     *     179     51       11:30     163     42     *     *     *     *     *     163     42       11:45     172     37     *     *     *     *     *     172     37       Total     8070     6034     248     0     0     0     8318     6034       Combined Total     14104     248     0     0     0     0     14352       Peak     06:30     02:15     12:00     0     0     0     0     0       P.H.F.     0.9	09:30			*	*	*	*	291	
10:00       213       82       *       *       *       *       213       82         10:15       210       89       *       *       *       *       210       89         10:30       205       98       *       *       *       *       205       98         10:45       164       68       *       *       *       *       164       68         11:00       157       71       *       *       *       *       157       71         11:15       179       51       *       *       *       *       179       51         11:30       163       42       *       *       *       *       163       42         11:45       172       37       *       *       *       *       172       37         Total       8070       6034       248       0       0       0       8318       6034         Combined Total       14104       248       0       0       0       0       14352         Peak       06:30       02:15       12:00       0       0       0       0       0       0       0				*	*	*	*		
10:15       210       89       *       *       *       *       210       89         10:30       205       98       *       *       *       *       205       98         10:45       164       68       *       *       *       *       164       68         11:00       157       71       *       *       *       *       157       71         11:15       179       51       *       *       *       *       179       51         11:30       163       42       *       *       *       *       163       42         11:45       172       37       *       *       *       *       172       37         Total       8070       6034       248       0       0       0       8318       6034         Combined Total       14104       248       0       0       0       8318       6034         Peak       06:30       02:15       12:00       0       0       0       0       14352         Vol.       1553       741       88       1553       741         P.H.F.       0.968       0.	10:00			*	*	*	*	213	82
10:30       205       98       *       *       *       *       205       98         10:45       164       68       *       *       *       *       164       68         11:00       157       71       *       *       *       *       157       71         11:15       179       51       *       *       *       *       179       51         11:30       163       42       *       *       *       *       163       42         11:45       172       37       *       *       *       *       172       37         Total       8070       6034       248       0       0       0       8318       6034         Combined Total       14104       248       0       0       0       8318       6034         Peak       06:30       02:15       12:00       06:30       02:15         Vol.       1553       741       88       1553       741         P.H.F.       0.968       0.908       0.917       0.968       0.908	10:15	210	89	*	*	*	*	210	89
10:45				*	*	*	*		
11:00       157       71       *       *       *       *       157       71         11:15       179       51       *       *       *       *       179       51         11:30       163       42       *       *       *       *       163       42         11:45       172       37       *       *       *       *       172       37         Total       8070       6034       248       0       0       0       8318       6034         Combined Total       14104       248       0       0       0       8318       6034         Peak       06:30       02:15       12:00       06:30       02:15         Vol.       1553       741       88       1553       741         P.H.F.       0.968       0.908       0.917       0.968       0.908			68	*	*	*	*		68
11:15       179       51       *       *       *       *       179       51         11:30       163       42       *       *       *       *       163       42         11:45       172       37       *       *       *       *       172       37         Total       8070       6034       248       0       0       0       8318       6034         Combined Total       14104       248       0       0       0       8318       6034         Peak       06:30       02:15       12:00       06:30       02:15         Vol.       1553       741       88       1553       741         P.H.F.       0.968       0.908       0.917       0.968       0.908				*	*	*	*		
11:30     163     42     *     *     *     *     *     163     42       11:45     172     37     *     *     *     *     *     172     37       Total     8070     6034     248     0     0     0     0     8318     6034       Combined Total     14104     248     0     0     0     14352       Peak     06:30     02:15     12:00     06:30     02:15       Vol.     1553     741     88     1553     741       P.H.F.     0.968     0.908     0.917     0.968     0.908				*	*	*	*		
11:45         172         37         *         *         *         *         *         172         37           Total         8070         6034         248         0         0         0         8318         6034           Combined Total         14104         248         0         0         14352           Peak         06:30         02:15         12:00         06:30         02:15           Vol.         1553         741         88         1553         741           P.H.F.         0.968         0.908         0.917         0.968         0.908	11:30			*	*	*	*		
Total Combined Total         8070         6034         248         0         0         0         8318         6034           Peak Total Total         14104         248         0         0         14352           Peak 06:30 02:15 Vol. 1553 741         12:00         06:30 02:15         02:15           Vol. 1553 741         88         1553 741           P.H.F. 0.968 0.908         0.917         0.968 0.908	11:45			*	*	*	*		
Combined Total         14104         248         0         14352           Peak         06:30         02:15         12:00         06:30         02:15           Vol.         1553         741         88         1553         741           P.H.F.         0.968         0.908         0.917         0.968         0.908				248	0	0	0		
Total         14104         246         0         14332           Peak         06:30         02:15           Vol.         1553         741         88         1553         741           P.H.F.         0.968         0.908         0.917         0.968         0.908									
Peak       06:30       02:15       12:00       06:30       02:15         Vol.       1553       741       88       1553       741         P.H.F.       0.968       0.908       0.917       0.968       0.908		14	104	24	łŏ	C	1	14352	
Vol.       1553       741       88       1553       741         P.H.F.       0.968       0.908       0.917       0.968       0.908		06:30	02:15	12:00				06:30	02:15
P.H.F. 0.968 0.908 0.917 0.968 0.908									

# Accident Summary Report (R-8)

		)10 To 12/31			ERLING AVE,SE Rahul Jain	Prepared Da	ite: 1	1/25/20
Total Number of Accident:		113	Collision Type	#ACC	<b>%</b>	Collision Type	#ACC	9
Total Number of Fatalities:		1	Right Angle:	11	9.7%	Fixed Object:	3	2.7%
Total Number of Injuries:		128	Left Turn:	33	29.2%	Ran Off Road:	1	0.9%
Total Number of Disabling In	juries:	3	Right Turn:	0	0.0%	Ped. Involved:	3	2.7%
Total Number of NonDisablir	ng Injuries:	25	Rear End:	35	31.0%	Backing:	1	0.9%
Total Number of Pedestrians		3	Side Swiped:	13	11.5%	Non Collision:	0	0.0%
Total Number of Bicycles Inv	olved:	1	Head On:	7	6.2%	Under/Over Ride	0	0.0%
Total Number of Motorcycles	s Involved:	2	Parked:	0	0.0%	Unspecified:	6	5.3%
Time of Day	#ACC	%			Day o fweek	#AC	:C	%
07:30 ~ 09:30:	11	9.7%			Sunday:	14		12.4%
09:30 ~ 11:30:	8	7.1%			Monday:	19		16.8%
11:30 ~ 13:30:	7	6.2%			Tuesday:	18		15.9%
13:30 ~ 16:00:	18	15.9%			Wednesday:	14		12.4%
16:00 ~18:30:	16	14.2%			Thursday:	23		20.4%
18:30 ~ 07:30:	53	46.9%			Friday:	16		14.2%
Unspecified:	0	0.0%			Saturday:	9		8.0%
Weather Condition	#ACC	%			Surface Condition	n #AC	:C	%
Clear:	94	83.2%			Dry:	91		80.5%
Rain:	14	12.4%			Wet:	17		15.0%
Snow:	0	0.0%			Snow/Ice:	0		0.0%
Sleet/Hail:	0	0.0%			Slush:	0		0.0%
Fog/Mist:	0	0.0%			Water/Sand:	0		0.0%
Crosswind/Blowing Sand:	0	0.0%			Repairing:	1		0.9%
Unspecified:	5	4.4%			Unspecified:	4		3.5%
Type of Vehicle	#VEH	%			Accident Severity	Type #AC		%
Passenger Car:	196	84.8%			Fatal Collision:	1		0.9%
Bus:	1	0.4%			Injury Collision:	72		63.7%
Truck:	14	6.1%			PDO Collision:	40		35.4%
Taxi:	2	0.9%						
Minivan:	0	0.0%			Light Condition	#AC	C	%
Police/Emergency Vehicle:	4	1.7%			Daylight:	67		59.3%
Motorcycle/Moped:	3	1.3%			Dawn/Dusk:	4		3.5%
Bicycle:	1	0.4%			Dark(Lighted):	33		29.2%
Fixed Object:	0	0.0%			Dark(Not Lighted):	5		4.4%
Unspecified:	10	4.3%			Dark(Unknown Lig	hting): 0		0.0%
опоросинов:		,			Unspecified:	4		3.5%
Contributing Factor	#VEH	%			Pedestrian Action	ns #AC	c	%
Driver: Speed:	10	4.3%			In Crosswalk with	Signal: 1		33.3%
Driver: Alcohol/Drug:	2	0.9%			In Crosswalk agair	ıst Signal: 1		33.3%
Driver: Electronic Device:	0	0.0%			In Crosswalk no Si	gnal: 0		0.0%
Driver: Others:	51	22.1%			In Unmarked Cross	swalk: 0		0.0%
Vehicle:	2	0.9%			Not in Crosswalk:	1		33.3%
Roadway:	1	0.4%			From Between Par	ked Cars: 0		0.0%
Unspecified:	165	71.4%			Unspecified:	0		0.0%

<sup>70</sup> Records are not approved as of 11/25/2013 6:20:53 PM

# Accident Summary Report (R-8)

Time Period Covered: From	om 11/23/20	06 To 11/23	/2008 Prepare	ed By:	Rahul Jain	Prepared Da	ite:	1/14/2014
Total Number of Accident:		106	Collision Type	#ACC	%	Collision Type	#ACC	; %
Total Number of Fatalities:		0	Right Angle:	8	7.5%	Fixed Object:	10	9.4%
Total Number of Injuries:		82	Left Turn:	29	27.4%	Ran Off Road:	6	5.7%
Total Number of Disabling Inj	uries:	6	Right Turn:	3	2.8%	Ped. Involved:	1	0.9%
Total Number of NonDisablin	g Injuries:	19	Rear End:	26	24.5%	Backing:	0	0.0%
Total Number of Pedestrians	Involved:	1	Side Swiped:	11	10.4%	Non Collision:	0	0.0%
Total Number of Bicycles Inve	olved:	0	Head On:	5	4.7%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles	Involved:	2	Parked:	0	0.0%	Unspecified:	7	6.6%
Time of Day	#ACC	%			Day o fweek	#AC	:C	%
07:30 ~ 09:30:	14	13.2%			Sunday:	15		14.2%
09:30 ~ 11:30:	13	12.3%			Monday:	13		12.3%
11:30 ~ 13:30:	2	1.9%			Tuesday:	12		11.3%
13:30 ~ 16:00:	7	6.6%			Wednesday:	21		19.8%
16:00 ~18:30:	16	15.1%			Thursday:	11		10.4%
18:30 ~ 07:30:	54	50.9%			Friday:	16		15.1%
Unspecified:	0	0.0%			Saturday:	18		17.0%
Weather Condition	#ACC	%			Surface Condition	# <b>A</b> C	:C	%
Clear:	81	76.4%			Dry:	74		69.8%
Rain:	21	19.8%			Wet:	24		22.6%
Snow:	1	0.9%			Snow/Ice:	7		6.6%
Sleet/Hail:	0	0.0%			Slush:	0		0.0%
Fog/Mist:	1	0.9%			Water/Sand:	0		0.0%
Crosswind/Blowing Sand:	0	0.0%			Repairing:	0		0.0%
Unspecified:	2	1.9%			Unspecified:	1		0.9%
Type of Vehicle	#VEH	%			Accident Severity	Type #AC	c	%
Passenger Car:	182	90.5%			Fatal Collision:	1		0.9%
Bus:	3	1.5%			Injury Collision:	50		47.2%
Truck:	7	3.5%			PDO Collision:	55		51.9%
Taxi:	3	1.5%			1 20 0011101011.			
Minivan:	0	0.0%			Light Condition	#AC	C	%
Police/Emergency Vehicle:	1	0.5%			Daylight:	53		50.0%
Motorcycle/Moped:	2	1.0%			Dawn/Dusk:	5		4.7%
Bicycle:	0	0.0%			Dark(Lighted):	9		8.5%
Fixed Object:	0	0.0%			Dark(Not Lighted):	1		0.9%
Unspecified:	3	1.5%			Dark(Unknown Ligh	nting): 37		34.9%
<b>С</b> поросинов:	· ·				Unspecified:	1		0.9%
Contributing Factor	#VEH	%			Pedestrian Action	s #AC	:C	%
Driver: Speed:	11	5.5%			In Crosswalk with S	Signal: 0		0.0%
Driver: Alcohol/Drug:	3	1.5%			In Crosswalk agains	st Signal: 0		0.0%
Driver: Electronic Device:	0	0.0%			In Crosswalk no Sig	gnal: 0		0.0%
Driver: Others:	51	25.4%			In Unmarked Cross	walk: 0		0.0%
Vehicle:	0	0.0%			Not in Crosswalk:	0		0.0%
Roadway:	3	1.5%			From Between Park	ked Cars: 0		0.0%
Unspecified:	133	66.2%			Unspecified:	1		100.0%

<sup>106</sup> Records are not approved as of 1/14/2014 12:16:23 PM

# Accident Summary Report (R-8)

Time Period Covered: From	om 11/24/20	08 To 11/24	/2010 Prepare	ed By:	Rahul Jain	Prepared Da	te: 1	1/14/2014
Total Number of Accident:		61	Collision Type	#ACC	%	Collision Type	#ACC	; %
Total Number of Fatalities:		0	Right Angle:	4	6.6%	Fixed Object:	6	9.8%
Total Number of Injuries:		66	Left Turn:	18	29.5%	Ran Off Road:	1	1.6%
Total Number of Disabling Inj	uries:	5	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of NonDisablin	g Injuries:	24	Rear End:	20	32.8%	Backing:	1	1.69
Total Number of Pedestrians	Involved:	0	Side Swiped:	6	9.8%	Non Collision:	0	0.09
Total Number of Bicycles Inv	olved:	0	Head On:	4	6.6%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles	Involved:	0	Parked:	0	0.0%	Unspecified:	1	1.6%
Time of Day	#ACC	%			Day o fweek	#AC	c	9
07:30 ~ 09:30:	8	13.1%			Sunday:	8		13.19
09:30 ~ 11:30:	5	8.2%			Monday:	9		14.89
11:30 ~ 13:30:	1	1.6%			Tuesday:	7		11.5%
13:30 ~ 16:00:	11	18.0%			Wednesday:	9		14.8%
16:00 ~18:30:	6	9.8%			Thursday:	14		23.0%
18:30 ~ 07:30:	30	49.2%			Friday:	6		9.8%
Unspecified:	0	0.0%			Saturday:	8		13.1%
Weather Condition	#ACC	%			Surface Condition	1 #AC	C	9
Clear:	45	73.8%			Dry:	45		73.8%
Rain:	13	21.3%			Wet:	15		24.6%
Snow:	0	0.0%			Snow/Ice:	0		0.0%
Sleet/Hail:	1	1.6%			Slush:	0		0.0%
Fog/Mist:	1	1.6%			Water/Sand:	0		0.0%
Crosswind/Blowing Sand:	0	0.0%			Repairing:	0		0.0%
Unspecified:	1	1.6%			Unspecified:	1		1.6%
Type of Vehicle	#VEH	%			Accident Severity	Type #AC	c	9/
Passenger Car:	109	84.5%			Fatal Collision:	0		0.0%
Bus:	0	0.0%			Injury Collision:	37		60.7%
Truck:	8	6.2%			PDO Collision:	24		39.3%
Taxi:	0	0.0%			1 20 00111010111			
Minivan:	0	0.0%			Light Condition	#AC	C	9
Police/Emergency Vehicle:	2	1.6%			Daylight:	36		59.0%
Motorcycle/Moped:	1	0.8%			Dawn/Dusk:	2		3.3%
Bicycle:	0	0.0%			Dark(Lighted):	20		32.8%
Fixed Object:	0	0.0%			Dark(Not Lighted):	3		4.9%
Unspecified:	9	7.0%			Dark(Unknown Ligh	nting): 0		0.0%
спореошеа.	J	7.070			Unspecified:	0		0.0%
Contributing Factor	#VEH	%			Pedestrian Action	s #AC	С	9
Driver: Speed:	6	4.7%			In Crosswalk with S	Signal: 0		0.0%
Driver: Alcohol/Drug:	2	1.6%			In Crosswalk again	st Signal: 0		0.0%
Driver: Electronic Device:	0	0.0%			In Crosswalk no Sig	-		0.0%
Driver: Others:	25	19.4%			In Unmarked Cross			0.0%
Vehicle:	0	0.0%			Not in Crosswalk:	0		0.09
Roadway:	2	1.6%			From Between Par	ked Cars: 0		0.0%
Unspecified:	94	72.9%			Unspecified:	0		0.0%

<sup>41</sup> Records are not approved as of 1/14/2014 12:14:25 PM