



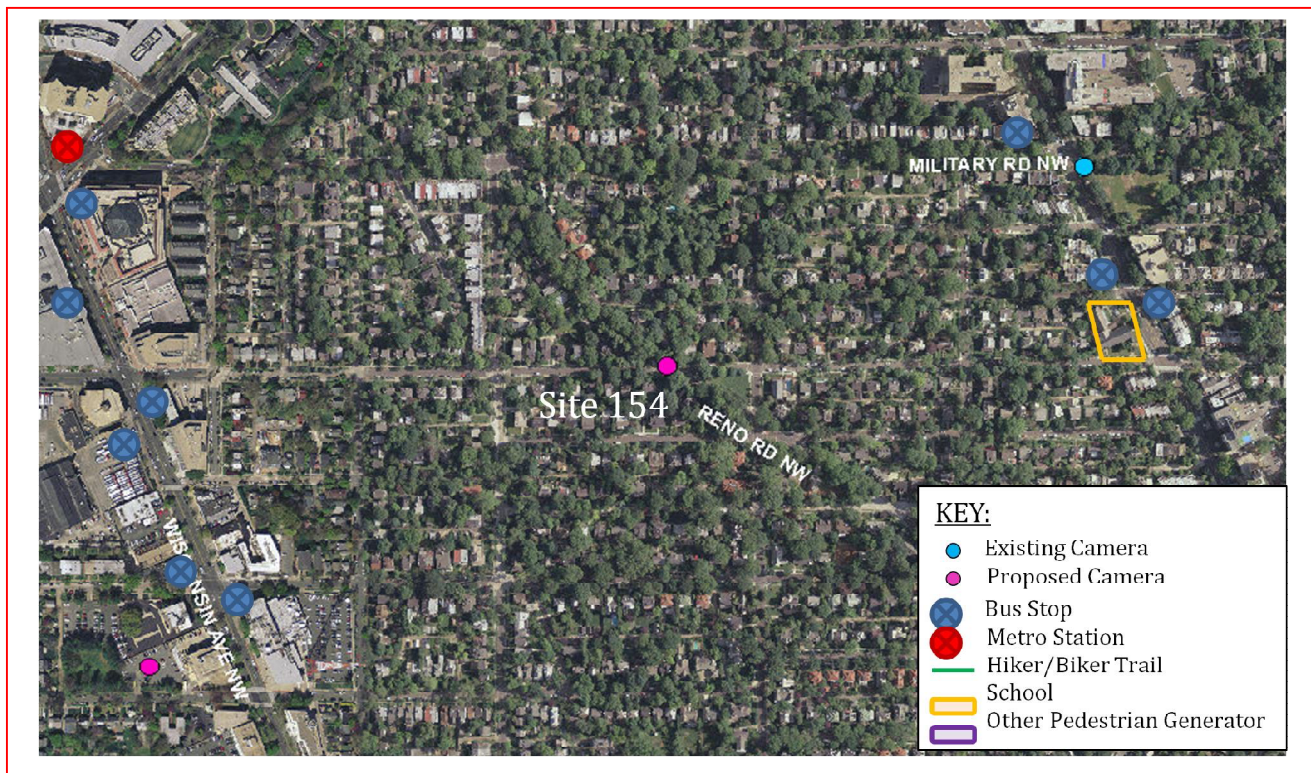
District Department of Transportation

Speed Limit and Safety Nexus Studies for Automated Enforcement Locations in the District of Columbia

5300 Block Reno Road NW

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	201	3	3G	Proposed	5300 Block Reno Road Northwest



The *proposed* speed camera will be located in Ward 3 at the 5300 block of Reno Road Northwest. Reno Road runs between 41st Street Northwest to the north and Rowland Place Northwest to the south. The posted speed limit is 25 MPH.

W3 - 223





District Department of Transportation

5300 Block Reno Road NW

Field Assessment Summary

Reno Road is assumed to run in a northwest-southeast direction, and is classified as a minor arterial. Reno Road has one travel lane in each direction. This site has the following characteristics:

- This is a residential area with houses and driveways.
- There is one school in the area: Montessori School of Chevy Chase.
- The Friendship Heights Metrorail Station is also in the area.
- There is sidewalk on both sides of the street and crosswalks at Jocelyn Road and Jenifer Street and a traffic signal with pedestrian signals and crosswalks at Military Road.
- The pavement is in good condition and there is curb and gutter with drainage inlets.



Looking Northbound

W3 - 224



District Department of Transportation

5300 Block Reno Road NW



Looking Southbound

Speed Data Analysis

Direction	Southeast	Northwest
Posted Speed Limit (MPH)	25	25
Mean Speed (MPH)	20	25
85th Percentile Speed (MPH)	28	30
10 MPH Pace Speed (MPH)	20-29	22-31
Sample Size	3,865	4,848
ADT	8,713	

The mean speed is lower than the posted speed limit by 5 MPH in the SE direction and the same as the posted speed in the NW direction. The 85th percentile speed is higher than the posted speed by 3 MPH in the SE direction and 5 MPH in the NW direction at this location.

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 four 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 type of collision at this location was Right Angle with three crashes. The other collision types had one crash each or less.

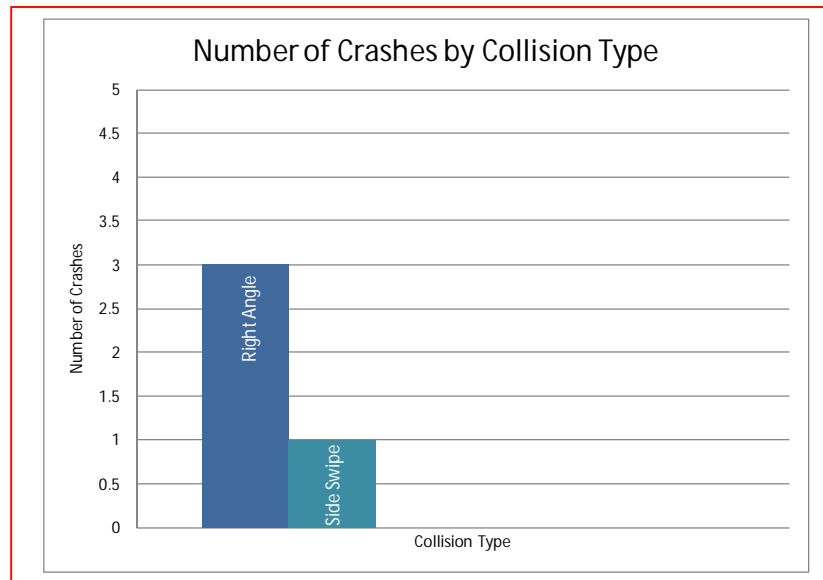
W3 - 225



District Department of Transportation

5300 Block Reno Road NW

Severity			Weather			Surface condition			Light Condition		
Total	4										
Fatal	0	0.0%	Clear	3	75.0%	Dry	3	75.0%	Day	2	50.0%
Injury	1	25.0%	Rain	1	25.0%	Wet	1	25.0%	Night	2	50.0%
Taxi	0	0.0%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Bus	0	0.0%									



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 85th percentile speed is higher than the posted speed limit at this location.
2. Crash Data – The crash data analysis shows a low number of crashes at this location.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - a. This is a residential area with houses and driveways.
 - b. There is one school in the area: Montessori School of Chevy Chase.
 - c. There are multiple bus stops and one Metrorail station in the area which generate pedestrian activity.

W3 - 226



District Department of Transportation

5300 Block Reno Road NW

Although the crash data analysis showed a low number of crashes at this location, due to the speed data analysis, the specific site characteristics, and pedestrian generators, there is a nexus between traffic safety and the speed camera at this location.

W3 - 227

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

5300 block of Reno Rd NW Speed

SE Bound

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
11/06/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	3	3	9	15	8	2	0	0	0	0	0	0	0	0	40
04:00	0	12	39	45	20	6	0	1	0	0	0	0	0	0	123
05:00	133	53	54	53	23	0	0	0	0	0	0	0	0	0	316
06:00	120	64	61	53	15	1	0	0	0	0	0	0	0	0	314
07:00	40	33	68	65	38	3	0	0	0	0	0	0	0	0	247
08:00	26	27	81	93	18	4	1	1	0	0	0	0	0	0	251
09:00	11	17	67	95	18	2	0	0	0	0	0	0	0	0	210
10:00	18	26	73	78	16	2	0	0	0	0	0	0	0	0	213
11:00	28	31	68	65	17	3	0	0	0	0	0	0	0	0	212
12 PM	38	35	91	65	22	1	0	0	0	0	0	0	0	0	252
13:00	55	53	60	66	28	3	1	0	0	0	0	0	0	0	266
14:00	50	45	79	57	27	4	0	0	0	0	0	0	0	0	262
15:00	104	70	86	47	25	2	1	0	0	0	0	0	0	0	335
16:00	82	48	83	63	22	0	1	0	0	0	0	0	0	0	299
17:00	10	13	61	59	11	3	1	0	0	0	0	0	0	0	158
18:00	4	7	59	53	15	2	0	0	0	0	0	0	0	0	140
19:00	6	18	44	25	7	3	0	0	0	0	0	0	0	0	103
20:00	1	6	15	29	9	3	0	0	0	0	0	0	0	0	63
21:00	1	1	4	14	1	2	0	0	0	0	0	0	0	0	23
22:00	0	0	4	6	1	0	0	0	0	0	0	0	0	0	11
23:00	0	0	2	3	1	0	1	0	0	0	0	0	0	0	7
Total	730	562	1108	1049	342	46	6	2	0	0	0	0	0	0	3845

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

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5300 block of Reno Rd NW Speed

SE Bound

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
11/07/13	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
01:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
02:00	0	1	3	6	1	0	0	0	0	0	0	0	0	0	11
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	3	14	2	0	0	0	0	0	0	0	0	0	20
Grand Total	730	563	1111	1063	344	46	6	2	0	0	0	0	0	0	3865

15th Percentile : 8 MPH
50th Percentile : 20 MPH
85th Percentile : 28 MPH
95th Percentile : 32 MPH

Stats
Mean Speed(Average) : 20 MPH
10 MPH Pace Speed : 20-29 MPH
Number in Pace : 1653
Percent in Pace : 42.8%
Number of Vehicles > 25 MPH : 1198
Percent of Vehicles > 25 MPH : 31.0%

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5300 block of Reno Rd NW Speed

NW Bound

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
11/06/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	3	1	4	9	10	0	0	0	0	0	0	0	0	0	27
04:00	1	1	10	51	23	2	0	0	0	0	0	0	0	0	88
05:00	18	4	26	118	36	5	0	0	0	0	0	0	0	0	207
06:00	26	9	79	199	31	2	0	0	0	0	0	0	0	0	346
07:00	9	3	55	137	20	3	0	0	0	0	0	0	0	0	227
08:00	5	1	45	125	36	5	0	0	0	0	0	0	0	0	217
09:00	4	2	58	117	34	2	0	0	0	0	0	0	0	0	217
10:00	9	4	68	136	34	1	0	0	0	0	0	0	0	0	252
11:00	13	4	59	163	53	3	1	0	0	0	0	0	0	0	296
12 PM	67	12	69	125	29	1	1	0	0	0	0	0	0	0	304
13:00	23	7	117	205	44	2	1	0	0	0	0	0	0	0	399
14:00	19	5	113	266	36	4	1	0	0	0	0	0	0	0	444
15:00	34	11	155	204	34	4	1	0	0	0	0	0	0	0	443
16:00	29	11	163	219	37	0	0	0	0	0	0	0	0	0	459
17:00	12	6	91	167	32	3	0	0	0	0	0	0	0	0	311
18:00	4	6	73	115	20	1	0	0	0	0	0	0	0	0	219
19:00	3	6	48	96	20	2	0	0	0	0	0	0	0	0	175
20:00	2	1	33	83	15	0	0	0	0	0	0	0	0	0	134
21:00	1	0	8	25	7	1	0	0	0	0	0	0	0	0	42
22:00	0	1	2	9	9	0	0	0	0	0	0	0	0	0	21
23:00	0	0	0	2	4	0	0	0	0	0	0	0	0	0	6
Total	282	95	1276	2571	564	41	5	0	0	0	0	0	0	0	4834

SAMMAT ENGINEERING SERVICES, LLC

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MOUNT AIRY, MD 21771

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5300 block of Reno Rd NW Speed

NW Bound

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
11/07/13	0	0	2	4	1	0	0	0	0	0	0	0	0	0	7
01:00	0	0	1	0	4	0	0	0	0	0	0	0	0	0	5
02:00	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	3	4	5	1	0	0	0	0	0	0	0	0	14
Grand Total	282	96	1279	2575	569	42	5	0	0	0	0	0	0	0	4848

15th Percentile : 19 MPH
50th Percentile : 26 MPH
85th Percentile : 30 MPH
95th Percentile : 33 MPH

Stats
Mean Speed(Average) : 25 MPH
10 MPH Pace Speed : 22-31 MPH
Number in Pace : 3393
Percent in Pace : 70.0%
Number of Vehicles > 25 MPH : 2873
Percent of Vehicles > 25 MPH : 59.3%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

5300 block of Reno Rd NW Volume

Start Time	06-Nov-13 Wed	SE Bound		NW Bound		Combined		07-Nov- Thu	SE Bound		NW Bound		Combined	
		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00		*	58	*	88	*	146		2	*	3	*	5	*
12:15		*	54	*	76	*	130		2	*	4	*	6	*
12:30		*	62	*	76	*	138		0	*	0	*	0	*
12:45		*	78	*	64	*	142		1	*	0	*	1	*
01:00		*	73	*	84	*	157		1	*	2	*	3	*
01:15		*	62	*	106	*	168		0	*	3	*	3	*
01:30		*	59	*	106	*	165		0	*	0	*	0	*
01:45		*	72	*	103	*	175		3	*	0	*	3	*
02:00		*	70	*	124	*	194		1	*	0	*	1	*
02:15		*	60	*	110	*	170		0	*	0	*	0	*
02:30		*	63	*	109	*	172		2	*	1	*	3	*
02:45		*	69	*	101	*	170		8	*	1	*	9	*
03:00		10	71	5	98	15	169		*	*	*	*	*	*
03:15		10	85	7	110	17	195		*	*	*	*	*	*
03:30		10	94	10	126	20	220		*	*	*	*	*	*
03:45		10	85	5	109	15	194		*	*	*	*	*	*
04:00		24	65	9	139	33	204		*	*	*	*	*	*
04:15		25	93	25	126	50	219		*	*	*	*	*	*
04:30		34	65	18	104	52	169		*	*	*	*	*	*
04:45		40	76	36	90	76	166		*	*	*	*	*	*
05:00		61	49	34	95	95	144		*	*	*	*	*	*
05:15		83	43	44	85	127	128		*	*	*	*	*	*
05:30		106	34	58	78	164	112		*	*	*	*	*	*
05:45		66	32	71	53	137	85		*	*	*	*	*	*
06:00		98	40	78	54	176	94		*	*	*	*	*	*
06:15		75	29	83	58	158	87		*	*	*	*	*	*
06:30		84	40	98	51	182	91		*	*	*	*	*	*
06:45		57	31	87	56	144	87		*	*	*	*	*	*
07:00		64	30	54	44	118	74		*	*	*	*	*	*
07:15		59	27	68	38	127	65		*	*	*	*	*	*
07:30		63	22	51	41	114	63		*	*	*	*	*	*
07:45		61	24	54	52	115	76		*	*	*	*	*	*
08:00		65	16	59	44	124	60		*	*	*	*	*	*
08:15		70	19	57	40	127	59		*	*	*	*	*	*
08:30		61	15	48	27	109	42		*	*	*	*	*	*
08:45		55	13	53	23	108	36		*	*	*	*	*	*
09:00		45	6	47	20	92	26		*	*	*	*	*	*
09:15		52	5	49	12	101	17		*	*	*	*	*	*
09:30		58	7	65	6	123	13		*	*	*	*	*	*
09:45		55	5	56	4	111	9		*	*	*	*	*	*
10:00		60	7	75	8	135	15		*	*	*	*	*	*
10:15		49	1	62	8	111	9		*	*	*	*	*	*
10:30		54	1	59	3	113	4		*	*	*	*	*	*
10:45		50	2	56	2	106	4		*	*	*	*	*	*
11:00		63	2	77	3	140	5		*	*	*	*	*	*
11:15		48	2	75	1	123	3		*	*	*	*	*	*
11:30		55	1	76	1	131	2		*	*	*	*	*	*
11:45		46	2	68	1	114	3		*	*	*	*	*	*
Total		1926	1919	1877	2957	3803	4876		20	0	14	0	34	0
Day Total		3845		4834		8679			20	0.0%	14	0.0%	34	
% Total		22.2%	22.1%	21.6%	34.1%				58.8%		41.2%			
Peak		05:15	03:30	06:00	03:30	06:00	03:30		02:00		12:00		02:00	
Vol.		353	337	346	500	660	837		11		7		13	
P.H.F.		0.833	0.896	0.883	0.899	0.907	0.951		0.344		0.438		0.361	
ADT		ADT 8,713		AADT 8,713										

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: RENO RD,NW From JOCELYN ST,NW TO THIRTY NINTH ST,NW

Time Period Covered: From 01/01/2010 To 12/31/2012 **Prepared By:** Rahul Jain

Prepared Date: 9/15/2013

Total Number of Accident:	4	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	3	75.0%	Fixed Object:	0	0.0%
Total Number of Injuries:	1	Left Turn:	0	0.0%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	0	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of NonDisabling Injuries:	0	Rear End:	0	0.0%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	0	Side Swiped:	1	25.0%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	0	Head On:	0	0.0%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	0	Parked:	0	0.0%	Unspecified:	0	0.0%

Time of Day	#ACC	%	Day o fweek	#ACC	%
07:30 ~ 09:30:	0	0.0%	Sunday:	1	25.0%
09:30 ~ 11:30:	1	25.0%	Monday:	1	25.0%
11:30 ~ 13:30:	0	0.0%	Tuesday:	0	0.0%
13:30 ~ 16:00:	0	0.0%	Wednesday:	2	50.0%
16:00 ~18:30:	2	50.0%	Thursday:	0	0.0%
18:30 ~ 07:30:	1	25.0%	Friday:	0	0.0%
Unspecified:	0	0.0%	Saturday:	0	0.0%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	3	75.0%	Dry:	3	75.0%
Rain:	1	25.0%	Wet:	1	25.0%
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:	0	0.0%
Unspecified:	0	0.0%	Unspecified:	0	0.0%

Type of Vehicle	#VEH	%	Accident Severity Type	#ACC	%
Passenger Car:	8	100.0%	Fatal Collision:	0	0.0%
Bus:	0	0.0%	Injury Collision:	1	25.0%
Truck:	0	0.0%	PDO Collision:	3	75.0%
Taxi:	0	0.0%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	2	50.0%
Motorcycle/Moped:	0	0.0%	Dawn/Dusk:	0	0.0%
Bicycle:	0	0.0%	Dark(Lighted):	2	50.0%
Fixed Object:	0	0.0%	Dark(Not Lighted):	0	0.0%
Unspecified:	0	0.0%	Dark(Unknown Lighting):	0	0.0%
			Unspecified:	0	0.0%

Contributing Factor	#VEH	%	Pedestrian Actions	#ACC	%
Driver: Speed:	0	0.0%	In Crosswalk with Signal:	0	0.0%
Driver: Alcohol/Drug:	0	0.0%	In Crosswalk against Signal:	0	0.0%
Driver: Electronic Device:	0	0.0%	In Crosswalk no Signal:	0	0.0%
Driver: Others:	3	37.5%	In Unmarked Crosswalk:	0	0.0%
Vehicle:	0	0.0%	Not in Crosswalk:	0	0.0%
Roadway:	0	0.0%	From Between Parked Cars:	0	0.0%
Unspecified:	5	62.5%	Unspecified:	0	0.0%

3 Records are not approved as of 9/15/2013 9:00:51 PM