



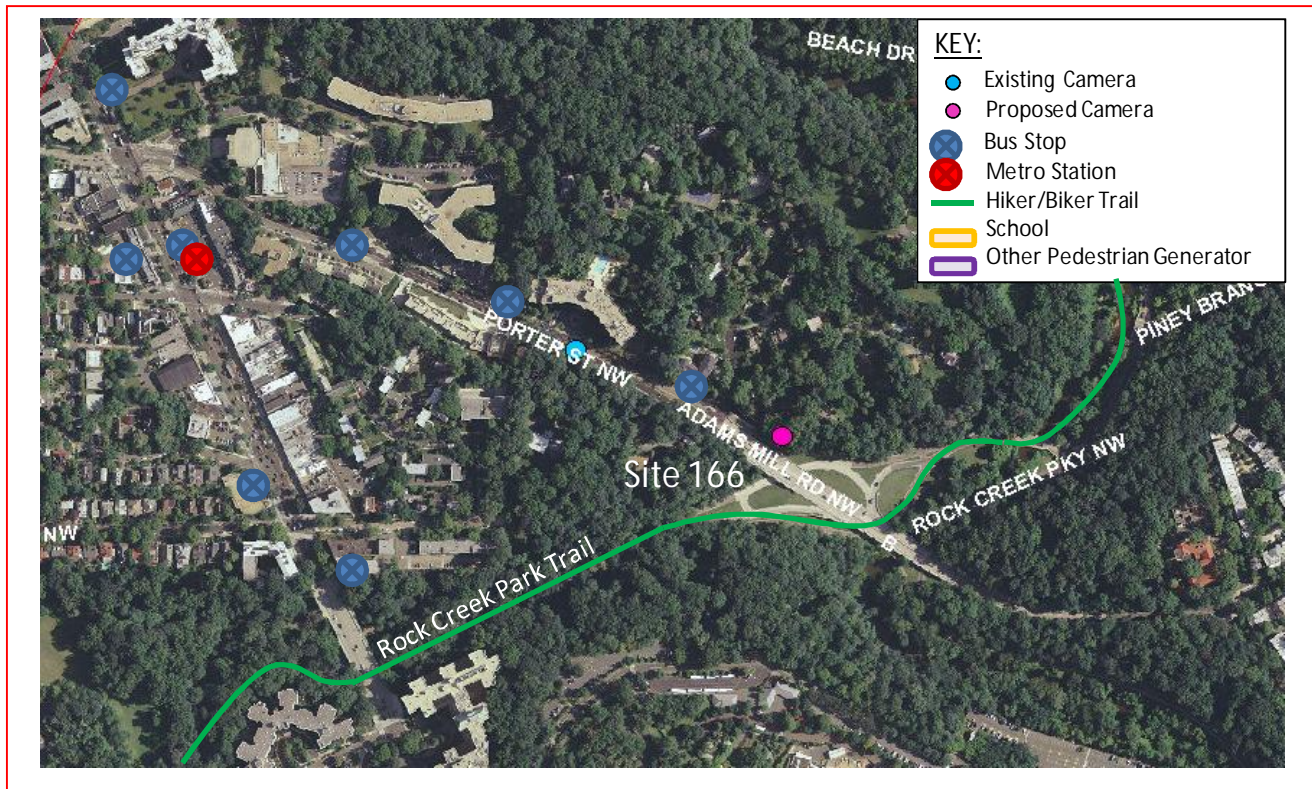
District Department of Transportation

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

2300 Block Porter Street NW W/B

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	203	3	3C	Proposed	2300 Block of Porter Street Northwest, Westbound



This *proposed* speed camera will be located in Ward 3 at the 2300 block of Porter Street Northwest in the westbound direction. Porter Street runs between Piney Branch Parkway Northwest to the east and Connecticut Avenue Northwest to the west. The posted speed limit is 30 MPH.

W3 - 338





District Department of Transportation

2300 Block Porter Street NW W/B

Field Assessment Summary

Porter Street is assumed to run in the east-west direction, and is classified as Minor Arterial. Porter Street has two travel lanes in each direction. This site has the following characteristics:

- This site is located in a residential area with apartment buildings and driveways on both sides of the street.
- There are multiple bus stops and one Metrorail station in the area which generate pedestrian activity.
- There is guardrail adjacent to the street and sidewalk along the south side.
- There is a grassy median with curb, gutter, and drainage inlets. The existing pavement is in good condition.
- The Rock Creek Park Trail is located 0.1 miles to the east.
- There is a bus stop located to the west just outside of the block.



Westbound Direction

W3 - 339



District Department of Transportation

2300 Block Porter Street NW W/B



View Eastbound from Outside Block

Speed Data Analysis

Posted Speed Limit (MPH)	30
Mean Speed (MPH)	33
85th Percentile Speed (MPH)	38
10 MPH Pace Speed	28-37
ADT	3,512

The mean speed is higher than the posted speed limit by 3 MPH and the 85th percentile speed is higher than the posted speed by 8 MPH 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 15 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 Left Turn (4 crashes), Side Swipe (4 crashes) and Right Angle (3 crashes). There was one (1) crash where vehicular speeding was the contributing factor. Furthermore, the site experienced five injury-related crashes.

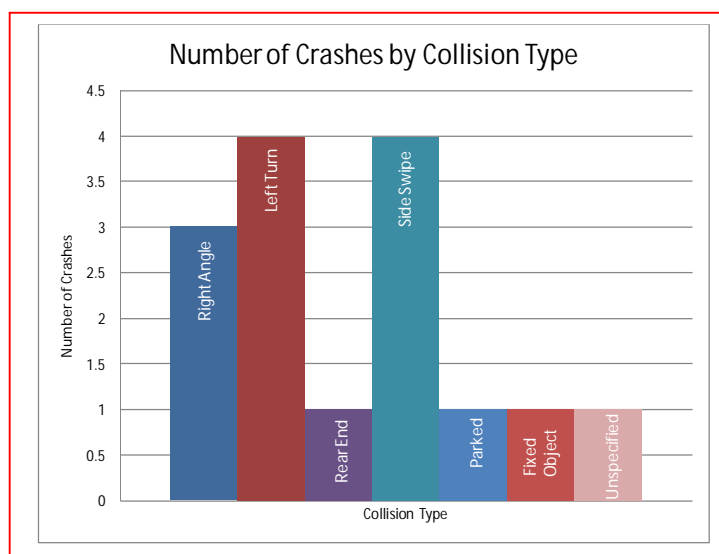
W3 - 340



District Department of Transportation

2300 Block Porter Street NW W/B

Severity			Weather			Surface condition			Light Condition		
Total	15										
Fatal	0	0.0%	Clear	13	86.7%	Dry	14	93.3%	Day	11	73.3%
Injury	5	33.3%	Rain	1	6.7%	Wet	0	0.0%	Night	3	20.0%
Taxi	1	6.7%	Snow	1	6.7%	Snow/Ice	1	6.7%			
Bus	1	6.7%									



Safety Nexus

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

1. Speed Data – The 85th percentile speed is much higher than the posted speed limit at this location.
2. Crash Data – This location experienced five injury-related crashes.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - a. The site is in a residential area with driveways along the north and south sides of the street.
 - b. There are multiple bus stops and one Metrorail station in the area which generate pedestrian activity.
 - c. Rock Creek Park Trail crosses Porter Street 0.1 miles to the east of this site which generates pedestrian and bicycle activity.

Due to the speed data analysis, the elevated number of injury-related crashes, the specific site characteristics, and pedestrian generators, there is a nexus between traffic safety and the speed camera at this location.

W3 - 341

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2300 block of Porter Street NW Speed

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
11/06/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	2	1	0	1	0	0	0	0	0	0	0	0	0	0	4
04:00	0	0	1	2	5	4	3	0	0	0	0	0	0	0	15
05:00	0	0	1	12	17	12	0	1	0	0	0	0	0	0	43
06:00	0	0	0	20	33	34	13	4	1	0	0	0	0	0	105
07:00	5	0	3	59	118	91	13	8	0	0	0	0	0	0	297
08:00	9	0	7	53	190	114	29	6	4	0	0	0	0	0	412
09:00	5	0	7	41	88	62	19	3	0	0	0	0	0	0	225
10:00	1	0	3	43	51	33	9	3	1	0	0	0	0	0	144
11:00	0	0	11	52	49	34	9	4	0	0	0	0	0	0	159
12 PM	0	0	7	43	68	39	7	1	0	0	0	0	0	0	165
13:00	2	1	6	32	57	40	17	2	0	0	0	0	0	0	157
14:00	3	0	1	42	68	38	14	0	0	0	0	0	0	0	166
15:00	4	1	6	42	87	52	10	3	0	0	0	0	0	0	205
16:00	6	0	9	77	87	50	11	1	2	0	0	0	0	0	243
17:00	2	0	15	77	124	55	9	2	0	0	0	0	0	0	284
18:00	5	1	14	86	98	37	11	2	1	0	0	0	0	0	255
19:00	2	1	13	58	56	29	8	2	0	0	0	0	0	0	169
20:00	1	1	6	57	52	12	1	1	0	0	0	0	0	0	131
21:00	1	0	9	43	51	21	3	0	0	0	0	0	0	0	128
22:00	1	1	7	29	36	10	6	0	0	0	0	0	0	0	90
23:00	1	0	6	20	24	7	1	0	0	0	0	0	0	0	59
Total	50	7	132	889	1359	774	193	43	9	0	0	0	0	0	3456

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Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
11/07/13	0	1	1	8	7	6	0	0	0	0	0	0	0	0	23
01:00	0	0	2	9	5	4	0	1	0	0	0	0	0	0	21
02:00	0	0	1	4	1	3	0	0	0	0	0	0	0	0	9
03:00	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3
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	4	23	13	14	0	1	0	0	0	0	0	0	56
Grand Total	50	8	136	912	1372	788	193	44	9	0	0	0	0	0	3512

15th Percentile : 26 MPH
50th Percentile : 32 MPH
85th Percentile : 38 MPH
95th Percentile : 41 MPH

Stats
Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 28-37 MPH
Number in Pace : 2207
Percent in Pace : 62.8%
Number of Vehicles > 30 MPH : 2322
Percent of Vehicles > 30 MPH : 66.1%

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EB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
11/06/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
04:00	0	0	4	5	3	4	3	1	0	0	0	0	0	0	20
05:00	0	1	3	17	22	15	7	4	0	0	0	0	0	0	69
06:00	2	2	11	48	72	36	8	2	0	0	0	0	0	0	181
07:00	6	2	31	110	157	59	15	1	0	0	0	0	0	0	381
08:00	18	6	57	215	176	65	17	3	0	0	0	0	0	0	557
09:00	6	5	46	166	183	66	8	1	0	0	0	0	0	0	481
10:00	4	8	54	138	120	42	7	2	1	0	0	0	0	0	376
11:00	7	2	49	145	121	27	4	1	0	0	0	0	0	0	356
12 PM	3	15	87	181	111	26	4	0	0	0	0	0	0	0	427
13:00	11	10	51	176	113	33	7	0	0	0	0	0	0	0	401
14:00	5	2	49	114	101	29	5	1	0	0	0	0	0	0	306
15:00	6	5	55	165	160	33	8	2	0	0	0	0	0	0	434
16:00	12	8	109	212	124	32	3	1	0	0	0	0	0	0	501
17:00	9	10	173	264	126	39	4	0	0	0	0	0	0	0	625
18:00	12	11	128	217	136	30	5	1	0	0	0	0	0	0	540
19:00	6	4	54	134	87	25	3	0	0	0	0	0	0	0	313
20:00	4	3	74	98	80	20	3	1	0	0	0	0	0	0	283
21:00	4	4	45	96	52	24	4	2	0	0	0	0	0	0	231
22:00	2	1	33	76	56	14	5	0	1	0	0	0	0	0	188
23:00	1	0	25	54	29	6	1	0	0	0	0	0	0	0	116
Total	119	99	1139	2632	2029	625	121	23	2	0	0	0	0	0	6789

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EB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
11/07/13	0	2	11	13	10	3	2	0	0	0	0	0	0	0	41
01:00	0	1	4	8	3	1	1	0	0	0	0	0	0	0	18
02:00	0	1	3	6	1	3	1	0	0	0	0	0	0	0	15
03:00	0	0	0	3	1	1	0	0	0	0	0	0	0	0	5
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	4	18	30	15	8	4	0	0	0	0	0	0	0	79
Grand Total	119	103	1157	2662	2044	633	125	23	2	0	0	0	0	0	6868

15th Percentile : 22 MPH
50th Percentile : 28 MPH
85th Percentile : 34 MPH
95th Percentile : 38 MPH

Stats
Mean Speed(Average) : 29 MPH
10 MPH Pace Speed : 25-34 MPH
Number in Pace : 4320
Percent in Pace : 62.9%
Number of Vehicles > 30 MPH : 2840
Percent of Vehicles > 30 MPH : 41.4%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateg.com

2300 block of Porter Street NW Volume

Start Time	06-Nov-13 Wed	WB		EB		Combined		07-Nov- Thu	WB		EB		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		*	40	*	101	*	141							*
12:15		*	35	*	107	*	142							*
12:30		*	49	*	115	*	164							*
12:45		*	41	*	104	*	145							*
01:00		*	28	*	104	*	132							*
01:15		*	41	*	97	*	138							*
01:30		*	45	*	102	*	147							*
01:45		*	43	*	98	*	141							*
02:00		*	42	*	70	*	112							*
02:15		*	31	*	74	*	105							*
02:30		*	51	*	79	*	130							*
02:45		*	42	*	83	*	125							*
03:00		*	49	*	86	*	135							*
03:15		*	47	*	117	*	164							*
03:30		3	54	2	110	5	164							*
03:45		1	55	1	121	2	176							*
04:00		2	62	4	105	6	167							*
04:15		2	64	3	125	5	189							*
04:30		1	55	5	144	6	199							*
04:45		10	62	8	127	18	189							*
05:00		8	69	8	140	16	209							*
05:15		10	67	11	169	21	236							*
05:30		11	66	18	160	29	226							*
05:45		14	82	32	156	46	238							*
06:00		16	56	24	139	40	195							*
06:15		25	66	47	153	72	219							*
06:30		23	61	52	128	75	189							*
06:45		41	72	58	120	99	192							*
07:00		42	52	76	85	118	137							*
07:15		71	36	84	91	155	127							*
07:30		99	45	88	74	187	119							*
07:45		85	36	133	63	218	99							*
08:00		108	41	141	77	249	118							*
08:15		112	29	137	65	249	94							*
08:30		94	34	135	70	229	104							*
08:45		98	27	144	71	242	98							*
09:00		74	33	110	69	184	102							*
09:15		61	32	91	58	152	90							*
09:30		44	27	146	53	190	80							*
09:45		46	36	134	51	180	87							*
10:00		31	31	97	49	128	80							*
10:15		39	15	82	50	121	65							*
10:30		28	23	91	44	119	67							*
10:45		46	21	106	45	152	66							*
11:00		47	15	96	32	143	47							*
11:15		30	13	82	35	112	48							*
11:30		30	17	93	24	123	41							*
11:45		52	14	85	25	137	39							*
Total		1404	2052	2424	4365	3828	6417		56	0	79	0	135	0
Day Total		3456		6789		10245			56		79		135	
% Total		13.7%	20.0%	23.7%	42.6%				41.5%	0.0%	58.5%	0.0%		
Peak		08:00	05:00	08:00	05:00	08:00	05:00		12:00		12:00		12:00	
Vol.		412	284	557	625	969	909		23		41		64	
P.H.F.		0.920	0.866	0.967	0.925	0.973	0.955		0.575		0.683		0.640	
ADT		ADT 10,380		AADT 10,380										

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: PORTER ST,NW From WILLIAMSBURG LN,NW TO KLINGLE RD,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:	15	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	3	20.0%	Fixed Object:	1	6.7%
Total Number of Injuries:	8	Left Turn:	4	26.7%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	1	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of NonDisabling Injuries:	1	Rear End:	1	6.7%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	0	Side Swiped:	4	26.7%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	1	Head On:	0	0.0%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	0	Parked:	1	6.7%	Unspecified:	1	6.7%

Time of Day	#ACC	%	Day o fweek	#ACC	%
07:30 ~ 09:30:	3	20.0%	Sunday:	0	0.0%
09:30 ~ 11:30:	0	0.0%	Monday:	5	33.3%
11:30 ~ 13:30:	4	26.7%	Tuesday:	3	20.0%
13:30 ~ 16:00:	2	13.3%	Wednesday:	1	6.7%
16:00 ~18:30:	1	6.7%	Thursday:	1	6.7%
18:30 ~ 07:30:	5	33.3%	Friday:	2	13.3%
Unspecified:	0	0.0%	Saturday:	3	20.0%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	13	86.7%	Dry:	14	93.3%
Rain:	1	6.7%	Wet:	0	0.0%
Snow:	1	6.7%	Snow/Ice:	1	6.7%
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:	24	72.7%	Fatal Collision:	0	0.0%
Bus:	1	3.0%	Injury Collision:	5	33.3%
Truck:	2	6.1%	PDO Collision:	10	66.7%
Taxi:	1	3.0%	Light Condition	#ACC	%
Minivan:	0	0.0%	Daylight:	11	73.3%
Police/Emergency Vehicle:	0	0.0%	Dawn/Dusk:	0	0.0%
Motorcycle/Moped:	0	0.0%	Dark(Lighted):	3	20.0%
Bicycle:	1	3.0%	Dark(Not Lighted):	0	0.0%
Fixed Object:	0	0.0%	Dark(Unknown Lighting):	0	0.0%
Unspecified:	4	12.1%	Unspecified:	1	6.7%

Contributing Factor	#VEH	%	Pedestrian Actions	#ACC	%
Driver: Speed:	1	3.0%	In Crosswalk with Signal:	0	0.0%
Driver: Alcohol/Drug:	0	0.0%	In Crosswalk against Signal:	0	0.0%
Driver: Electronic Device:	1	3.0%	In Crosswalk no Signal:	0	0.0%
Driver: Others:	3	9.1%	In Unmarked Crosswalk:	0	0.0%
Vehicle:	0	0.0%	Not in Crosswalk:	0	0.0%
Roadway:	1	3.0%	From Between Parked Cars:	0	0.0%
Unspecified:	27	81.8%	Unspecified:	0	0.0%

8 Records are not approved as of 9/15/2013 11:56:41 AM