



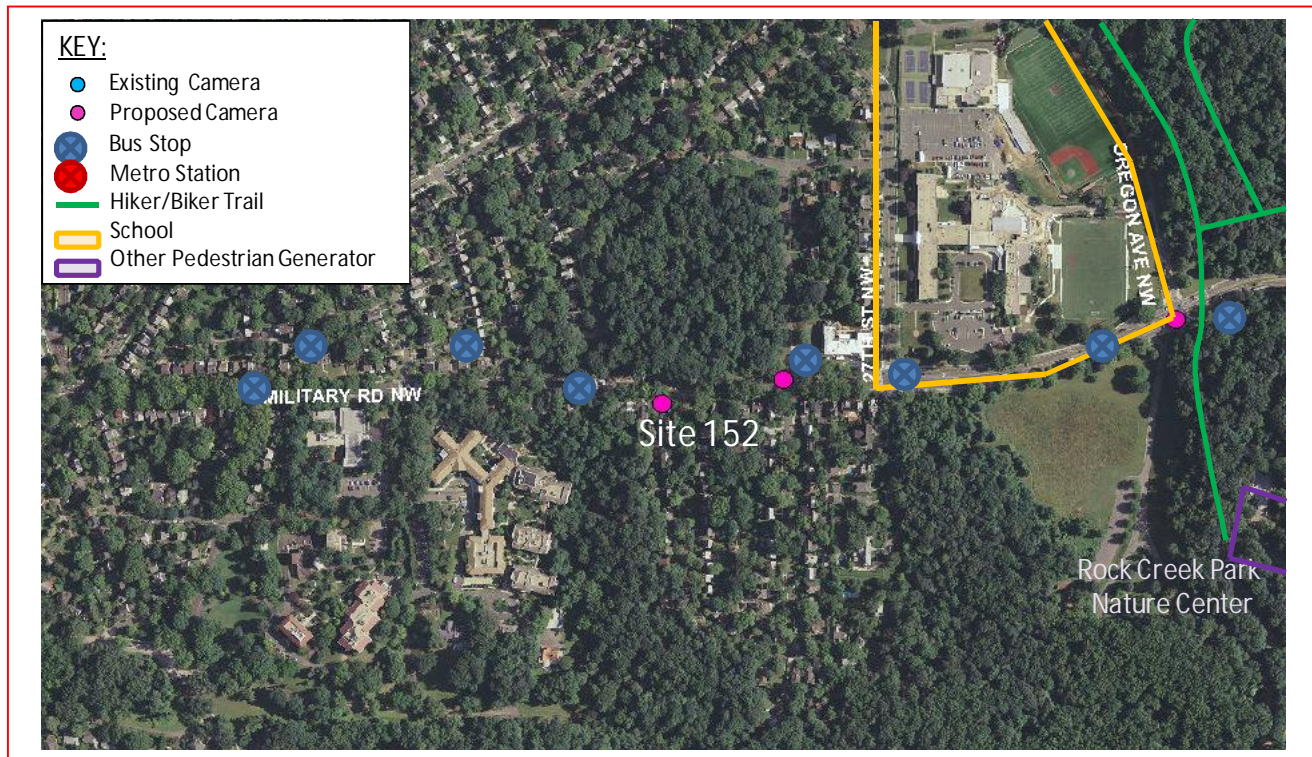
District Department of Transportation

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

2900 Block Military Road NW E/B

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	201	3	3G	Proposed	2900 Block Military Road Northwest Eastbound



The *proposed* speed camera will be located in Ward 3 at the 2900 block of Military Road Northwest in the eastbound direction. Military Road runs between 13th Street Northwest to the east and Western Avenue Northwest to the west. The posted speed limit is 35 MPH.

W3 - 205





District Department of Transportation

2900 Block Military Road NW E/B

Field Assessment Summary

Military Road is assumed to run in an east-west direction, and is classified as a principal arterial. Military Road has two travel lanes in each direction. This site has the following characteristics:

- This is a residential area with houses on the south side of the street.
- There is one school in the area: St. John's College High School.
- The Rock Creek Park Nature Center and Planetarium and the Western Ridge Trail are also in the area.
- There is sidewalk on the south side of the street and a traffic signal with pedestrian signals and crosswalks at 30th Street.
- The pavement is in fair condition and there is curb and gutter with drainage inlets. There is a slight slope downgrade westbound.
- There is an eastbound bus stop at 29th Street and a westbound bus stop midblock.



Looking Eastbound

W3 - 206



District Department of Transportation

2900 Block Military Road NW E/B



Looking Westbound

Speed Data Analysis

Posted Speed Limit (MPH)	35
Mean Speed (MPH)	25
85th Percentile Speed (MPH)	31
10 MPH Pace Speed (MPH)	22-31
ADT	9,855

The mean speed is lower than the posted speed limit by 10 MPH and the 85th percentile speed is lower than the posted speed by 4 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 eight 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 collision at this location were Rear End (3 crashes) and Side Swipe (3 crashes). The other collision types had one crash or less.

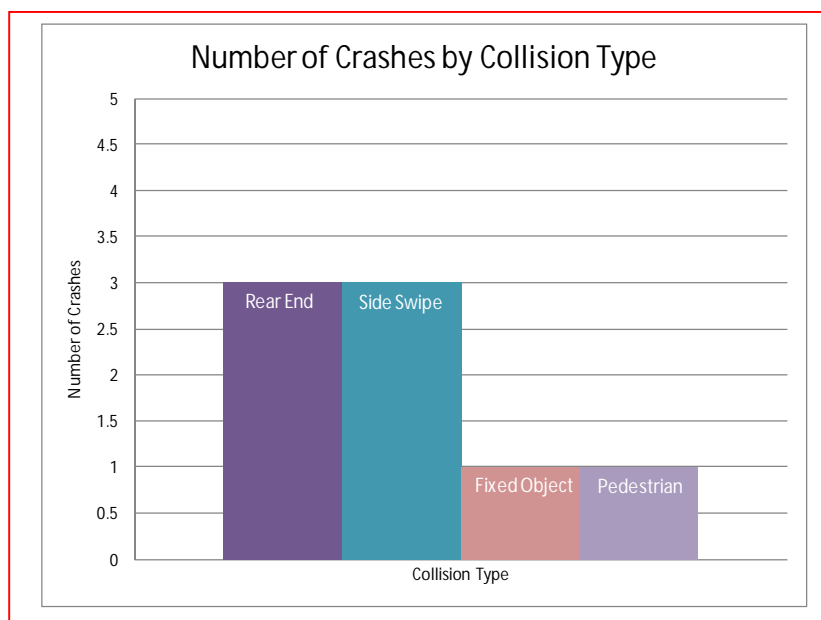
W3 - 207



District Department of Transportation

2900 Block Military Road NW E/B

Severity			Weather			Surface condition			Light Condition		
Total	8										
Fatal	0	0.0%	Clear	6	75.0%	Dry	6	75.0%	Day	7	87.5%
Injury	3	37.5%	Rain	2	25.0%	Wet	2	25.0%	Night	1	12.5%
Taxi	2	25.0%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Bus	1	12.5%									



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 – This location experienced three injury-related crashes.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - a. This is a residential area with houses on the south side of the street.
 - b. There is one school in the area, St. John's College High School.
 - c. The Western Ridge Trail and the Rock Creek Park Nature Center and Planetarium are in the area which generate pedestrian and bicycle activity.
 - d. There are multiple bus stops in the area which generate pedestrian activity.

W3 - 208



District Department of Transportation

2900 Block Military Road NW E/B

Although the speed data analysis showed travel speeds being lower than the posted speed limit at this location, there were a number of injury-related crashes at this location. Residents are concerned that there is speeding on Military Road in this area. Due to the number of injury-related crashes, the specific site characteristics of a residential area, and the proximity to schools, parks and recreational areas, and the pedestrian generators, there is a nexus between traffic safety and the speed camera at this location

W3 - 209

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2900 block of Military RD NW EB Speed

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	3	1	9	33	24	11	2	0	1	0	0	0	0	0	84
06:00	5	2	12	90	104	35	7	1	0	0	0	0	0	0	256
07:00	25	6	61	252	202	49	4	0	1	0	0	0	0	0	600
08:00	37	19	80	278	169	34	0	0	0	0	0	0	0	0	617
09:00	23	16	91	208	97	23	3	1	0	0	0	0	0	0	462
10:00	20	13	96	194	60	4	0	1	0	0	0	0	0	0	388
11:00	16	15	111	180	52	6	1	0	0	0	0	0	0	0	381
12 PM	26	20	145	223	61	6	0	0	0	0	0	0	0	0	481
13:00	24	50	192	229	39	5	0	0	0	0	0	0	0	0	539
14:00	44	35	182	252	77	11	3	0	0	0	0	0	0	0	604
15:00	40	32	198	380	111	25	4	0	1	0	0	0	0	0	791
16:00	28	31	229	407	139	19	3	0	0	0	0	0	0	0	856
17:00	48	70	355	365	94	9	0	0	0	0	0	0	0	0	941
18:00	28	36	298	341	90	14	2	0	0	0	0	0	0	0	809
19:00	27	34	223	182	30	3	0	0	0	0	0	0	0	0	499
20:00	15	14	171	199	24	0	0	0	0	0	0	0	0	0	423
21:00	18	19	199	147	20	4	0	0	1	0	0	0	0	0	408
22:00	17	4	109	135	20	2	1	0	0	0	0	0	0	0	288
23:00	7	5	97	99	11	1	0	0	0	0	0	0	0	0	220
Total	451	422	2858	4194	1424	261	30	3	4	0	0	0	0	0	9647

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2900 block of Military RD NW EB Speed

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	26	42	15	1	0	0	0	0	0	0	0	0	86
01:00	0	0	5	21	5	0	0	0	0	0	0	0	0	0	31
02:00	0	2	5	19	2	1	1	0	0	0	0	0	0	0	30
03:00	2	0	7	14	0	0	0	0	0	0	0	0	0	0	23
04:00	1	0	7	20	8	1	0	0	0	1	0	0	0	0	38
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3	4	50	116	30	3	1	0	0	1	0	0	0	0	208
Grand Total	454	426	2908	4310	1454	264	31	3	4	1	0	0	0	0	9855

15th Percentile : 19 MPH
50th Percentile : 25 MPH
85th Percentile : 31 MPH
95th Percentile : 34 MPH

Stats
Mean Speed(Average) : 25 MPH
10 MPH Pace Speed : 22-31 MPH
Number in Pace : 6343
Percent in Pace : 64.4%
Number of Vehicles > 35 MPH : 421
Percent of Vehicles > 35 MPH : 4.3%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2900 block of Military RD NW EB Volume

Start Time	Wed A.M.	06-Nov-13 P.M.	Thu A.M.	07-Nov-13 P.M.	Fri A.M.	08-Nov-13 P.M.	Daily Average	
							A.M.	P.M.
12:00	*	114	32	*	*	*	32	114
12:15	*	128	21	*	*	*	21	128
12:30	*	115	19	*	*	*	19	115
12:45	*	124	14	*	*	*	14	124
01:00	*	107	7	*	*	*	7	107
01:15	*	141	9	*	*	*	9	141
01:30	*	149	6	*	*	*	6	149
01:45	*	142	9	*	*	*	9	142
02:00	*	143	14	*	*	*	14	143
02:15	*	136	7	*	*	*	7	136
02:30	*	150	4	*	*	*	4	150
02:45	*	175	5	*	*	*	5	175
03:00	*	191	4	*	*	*	4	191
03:15	*	191	3	*	*	*	3	191
03:30	*	198	10	*	*	*	10	198
03:45	*	211	6	*	*	*	6	211
04:00	*	204	7	*	*	*	7	204
04:15	*	223	7	*	*	*	7	223
04:30	*	218	12	*	*	*	12	218
04:45	*	211	12	*	*	*	12	211
05:00	15	255	*	*	*	*	15	255
05:15	15	233	*	*	*	*	15	233
05:30	23	229	*	*	*	*	23	229
05:45	31	224	*	*	*	*	31	224
06:00	46	230	*	*	*	*	46	230
06:15	60	209	*	*	*	*	60	209
06:30	56	204	*	*	*	*	56	204
06:45	94	166	*	*	*	*	94	166
07:00	114	149	*	*	*	*	114	149
07:15	150	119	*	*	*	*	150	119
07:30	149	107	*	*	*	*	149	107
07:45	187	124	*	*	*	*	187	124
08:00	150	111	*	*	*	*	150	111
08:15	142	101	*	*	*	*	142	101
08:30	150	120	*	*	*	*	150	120
08:45	175	91	*	*	*	*	175	91
09:00	119	122	*	*	*	*	119	122
09:15	117	99	*	*	*	*	117	99
09:30	109	93	*	*	*	*	109	93
09:45	117	94	*	*	*	*	117	94
10:00	100	82	*	*	*	*	100	82
10:15	95	58	*	*	*	*	95	58
10:30	106	79	*	*	*	*	106	79
10:45	87	69	*	*	*	*	87	69
11:00	92	72	*	*	*	*	92	72
11:15	85	53	*	*	*	*	85	53
11:30	104	55	*	*	*	*	104	55
11:45	100	40	*	*	*	*	100	40
Total	2788	6859	208	0	0	0	2996	6859
Combined Total	9647		208		0		9855	
Peak	07:15	05:00	12:00				07:15	05:00
Vol.	636	941	86				636	941
P.H.F.	0.850	0.923	0.672				0.850	0.923
ADT		ADT 9,855	AADT 9,855					

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: MILITARY RD,NW From TWENTY EIGHTH ST,NW TO THIRTIETH 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:	8	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	0	0.0%	Fixed Object:	1	12.5%
Total Number of Injuries:	5	Left Turn:	0	0.0%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	0	Right Turn:	0	0.0%	Ped. Involved:	1	12.5%
Total Number of NonDisabling Injuries:	2	Rear End:	3	37.5%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	1	Side Swiped:	3	37.5%	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:	2	25.0%	Sunday:	1	12.5%
09:30 ~ 11:30:	2	25.0%	Monday:	1	12.5%
11:30 ~ 13:30:	2	25.0%	Tuesday:	3	37.5%
13:30 ~ 16:00:	0	0.0%	Wednesday:	1	12.5%
16:00 ~18:30:	1	12.5%	Thursday:	1	12.5%
18:30 ~ 07:30:	1	12.5%	Friday:	0	0.0%
Unspecified:	0	0.0%	Saturday:	1	12.5%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	6	75.0%	Dry:	6	75.0%
Rain:	2	25.0%	Wet:	2	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:	9	64.3%	Fatal Collision:	0	0.0%
Bus:	1	7.1%	Injury Collision:	3	37.5%
Truck:	2	14.3%	PDO Collision:	5	62.5%
Taxi:	2	14.3%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	7	87.5%
Motorcycle/Moped:	0	0.0%	Dawn/Dusk:	0	0.0%
Bicycle:	0	0.0%	Dark(Lighted):	1	12.5%
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:	1	7.1%	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	21.4%	In Unmarked Crosswalk:	0	0.0%
Vehicle:	0	0.0%	Not in Crosswalk:	1	100.0%
Roadway:	0	0.0%	From Between Parked Cars:	0	0.0%
Unspecified:	10	71.4%	Unspecified:	0	0.0%

7 Records are not approved as of 9/15/2013 8:57:32 PM