



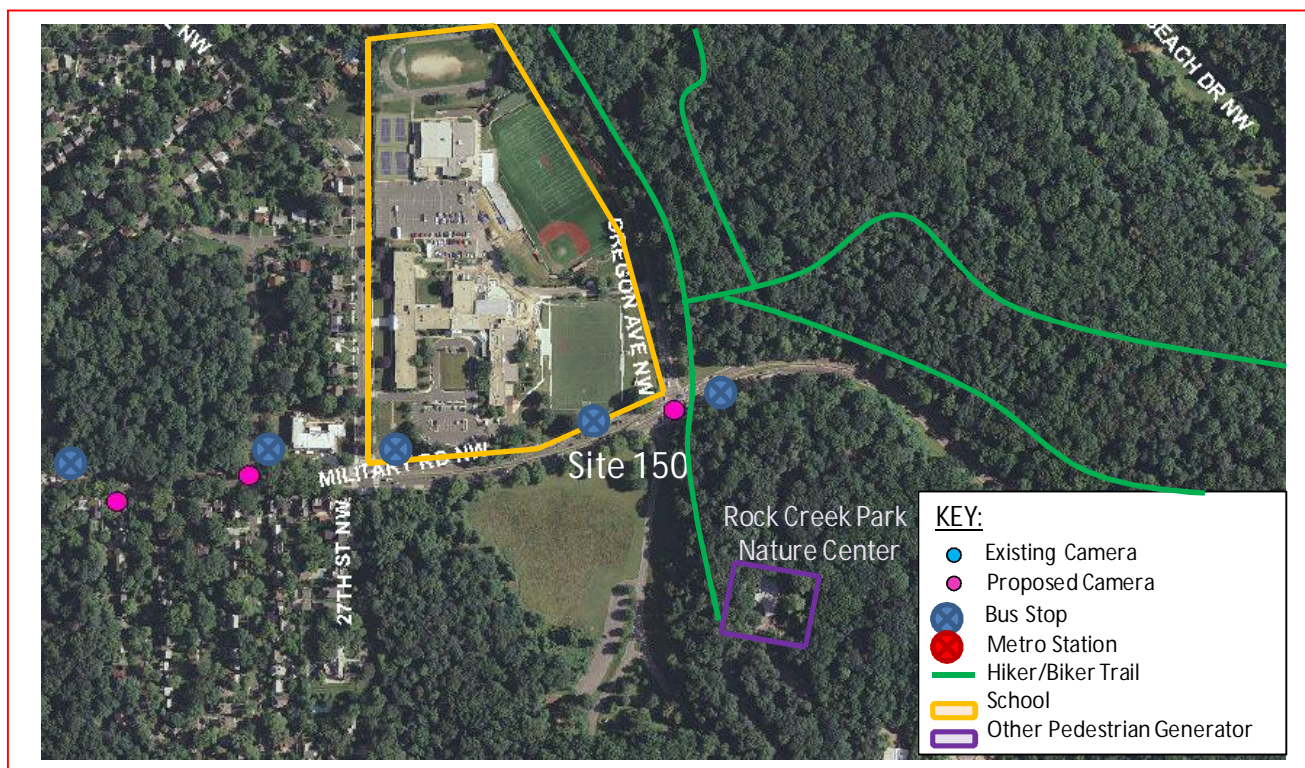
District Department of Transportation

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

### 2600 Block Military Rd NW

#### Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	201	3	3G	Proposed	2600 Block Military Road Northwest Westbound



The *proposed* speed camera will be located in Ward 3 at the 2600 block of Military Road Northwest in the westbound direction. Military Road runs between 13<sup>th</sup> Street Northwest to the east and Western Avenue Northwest to the west. The posted speed limit is 35 MPH.

W3 - 187





## Field Assessment Summary

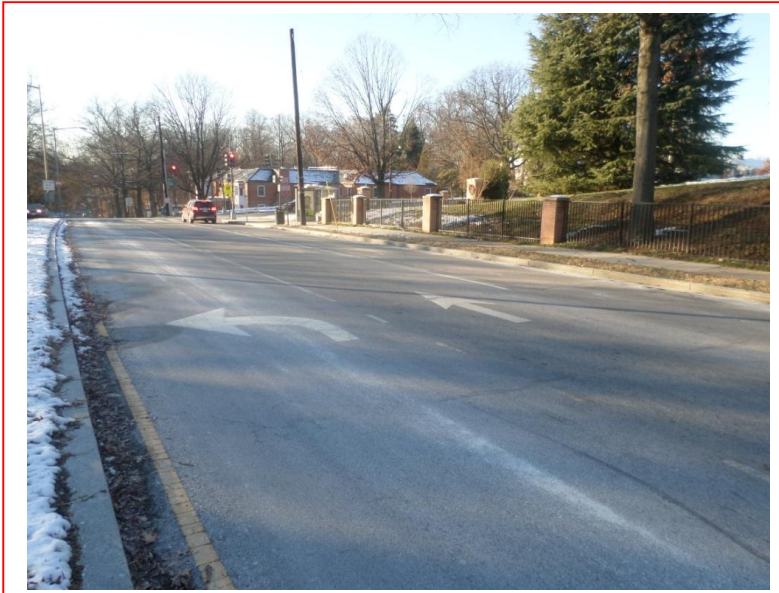
Military Road is assumed to run in an east-west direction, and is classified as a principal arterial. Military Road has two travel lanes in each direction and left turn lanes at Oregon Avenue Northwest and 27<sup>th</sup> Street Northwest. This site has the following characteristics:

- 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 in the area.
- There is a grassy median and sidewalk on both sides of the street.
- There are traffic signals with pedestrian signals with crosswalks at Oregon Avenue and Utah Avenue.
- The pavement is in good condition and there is curb and gutter with drainage inlets. There is a downgrade slope westbound.
- There are two bus stops westbound.



Looking Eastbound





Looking Westbound

## Speed Data Analysis

Posted Speed Limit (MPH)	35
Mean Speed (MPH)	28
85th Percentile Speed (MPH)	35
10 MPH Pace Speed	26-35
ADT	11,797

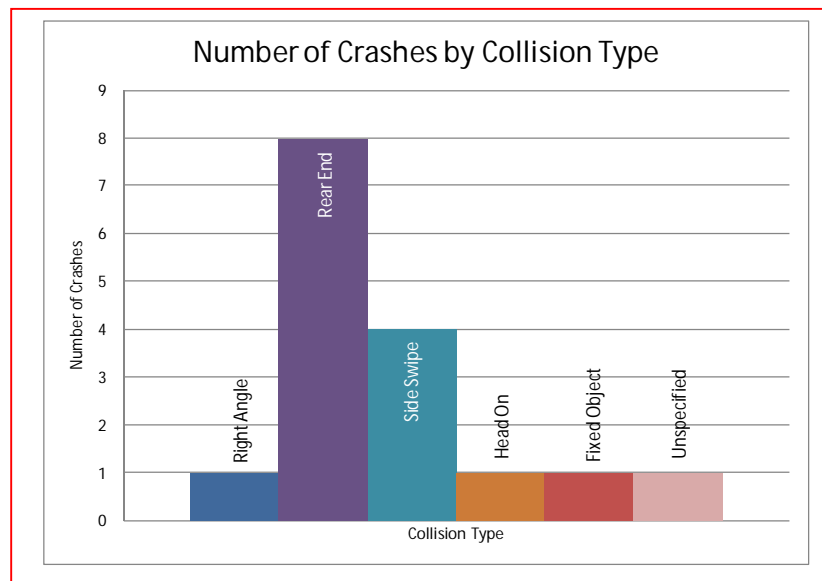
The mean speed was 7 MPH lower than the posted speed limit and the 85<sup>th</sup> percentile speed was the same as the posted speed limit at this location.

## 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 16 crashes at this location. A breakdown of collision type can be found in the chart on the next page. The most common type of collision at this location was Rear End with eight crashes. The other collision types had four crashes or less. Furthermore, this site experienced seven injury-related crashes.



Severity			Weather			Surface condition			Light Condition		
Total	16										
Fatal	0	0.0%	Clear	11	68.8%	Dry	12	75.0%	Day	13	81.3%
Injury	7	43.8%	Rain	2	12.5%	Wet	2	12.5%	Night	2	12.5%
Truck	3	18.8%	Snow	0	0.0%	Snow/Ice	2	12.5%			
Bus	1	6.3%									



## 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 or the same as the posted speed limit.
2. Crash Data – This location experienced seven injury-related crashes.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
  - a. There is one school in the area, St. John's College High School.
  - b. The Rock Creek Park Nature Center and Planetarium and the Western Ridge Trail are in the area which generate pedestrian and bicycle activity.
  - c. There are several bus stops in the area which generate pedestrian activity.

Although the speed data analysis showed travel speeds being lower than or equal to the posted speed limit, at this location, there were a number of injury-related crashes at this location. Residents are concerned that



District Department of Transportation  
2600 Block Military Road NW

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

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# SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD  
MOUNT AIRY, MD 21771

[www.sammateng.com](http://www.sammateng.com)

## 2600 block of Military Rd NW WB Speed

WB															
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	58	7	31	187	305	143	40	4	0	0	0	0	0	0	775
07:00	78	13	159	544	321	55	4	0	0	0	0	0	0	0	1174
08:00	112	30	185	469	254	43	5	1	0	0	0	0	0	0	1099
09:00	89	18	77	259	254	101	17	2	0	0	0	0	0	0	817
10:00	61	11	58	170	229	106	19	2	1	0	0	0	0	0	657
11:00	43	6	44	178	192	87	25	1	0	0	0	0	0	0	576
12 PM	29	15	66	168	196	63	18	1	1	0	0	0	0	0	557
13:00	26	0	37	188	205	69	17	2	1	0	0	0	0	0	545
14:00	42	4	68	286	263	82	24	1	0	0	0	0	0	0	770
15:00	53	8	63	205	230	116	14	2	1	0	0	0	0	0	692
16:00	59	6	74	238	247	92	13	2	0	0	0	0	0	0	731
17:00	68	8	59	315	280	59	9	0	0	0	0	0	0	0	798
18:00	57	6	73	235	250	73	14	0	1	0	0	0	0	0	709
19:00	37	0	24	179	165	70	11	1	0	0	0	0	0	0	487
20:00	23	1	24	95	114	58	13	1	0	0	0	0	0	0	329
21:00	22	0	11	63	113	46	5	1	0	0	0	0	0	0	261
22:00	6	0	12	61	75	54	12	2	1	0	0	0	0	0	223
23:00	2	2	5	36	33	12	3	0	0	0	0	0	0	0	93
Total	865	135	1070	3876	3726	1329	263	23	6	0	0	0	0	0	11293

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## 2600 block of Military Rd NW WB Speed

WB															
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	2	1	6	15	23	4	0	0	0	0	0	0	0	0	51
01:00	1	0	7	7	8	3	1	0	0	0	0	0	0	0	27
02:00	2	0	1	6	9	3	0	0	0	0	0	0	0	0	21
03:00	0	1	3	12	16	3	2	0	0	0	0	0	0	0	37
04:00	1	0	5	19	34	13	2	0	0	0	0	0	0	0	74
05:00	13	1	6	46	118	84	17	6	2	0	1	0	0	0	294
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	19	3	28	105	208	110	22	6	2	0	1	0	0	0	504
Grand Total	884	138	1098	3981	3934	1439	285	29	8	0	1	0	0	0	11797

15th Percentile : 19 MPH  
50th Percentile : 29 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
Mean Speed(Average) : 28 MPH  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 6821  
Percent in Pace : 57.8%  
Number of Vehicles > 35 MPH : 1934  
Percent of Vehicles > 35 MPH : 16.4%

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## 2600 block of Military Rd NW WB 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	*	154	16	*	*	*	16	154
12:15	*	155	12	*	*	*	12	155
12:30	*	122	12	*	*	*	12	122
12:45	*	126	11	*	*	*	11	126
01:00	*	120	7	*	*	*	7	120
01:15	*	148	6	*	*	*	6	148
01:30	*	137	7	*	*	*	7	137
01:45	*	140	7	*	*	*	7	140
02:00	*	160	3	*	*	*	3	160
02:15	*	206	7	*	*	*	7	206
02:30	*	198	5	*	*	*	5	198
02:45	*	206	6	*	*	*	6	206
03:00	*	179	4	*	*	*	4	179
03:15	*	167	13	*	*	*	13	167
03:30	*	171	8	*	*	*	8	171
03:45	*	175	12	*	*	*	12	175
04:00	*	156	13	*	*	*	13	156
04:15	*	190	11	*	*	*	11	190
04:30	*	211	17	*	*	*	17	211
04:45	*	174	33	*	*	*	33	174
05:00	*	173	35	*	*	*	35	173
05:15	*	205	62	*	*	*	62	205
05:30	*	185	86	*	*	*	86	185
05:45	*	235	111	*	*	*	111	235
06:00	102	178	*	*	*	*	102	178
06:15	176	183	*	*	*	*	176	183
06:30	221	199	*	*	*	*	221	199
06:45	276	149	*	*	*	*	276	149
07:00	293	138	*	*	*	*	293	138
07:15	286	135	*	*	*	*	286	135
07:30	304	111	*	*	*	*	304	111
07:45	291	103	*	*	*	*	291	103
08:00	260	96	*	*	*	*	260	96
08:15	304	82	*	*	*	*	304	82
08:30	267	77	*	*	*	*	267	77
08:45	268	74	*	*	*	*	268	74
09:00	222	68	*	*	*	*	222	68
09:15	187	75	*	*	*	*	187	75
09:30	201	52	*	*	*	*	201	52
09:45	207	66	*	*	*	*	207	66
10:00	173	51	*	*	*	*	173	51
10:15	174	47	*	*	*	*	174	47
10:30	156	65	*	*	*	*	156	65
10:45	154	60	*	*	*	*	154	60
11:00	140	28	*	*	*	*	140	28
11:15	143	23	*	*	*	*	143	23
11:30	168	24	*	*	*	*	168	24
11:45	125	18	*	*	*	*	125	18
Total	5098	6195	504	0	0	0	5602	6195
Combined Total	11293		504		0		11797	
Peak	07:00	05:15	05:00				07:00	05:15
Vol.	1174	803	294				1174	803
P.H.F.	0.965	0.854	0.662				0.965	0.854
ADT		ADT 11,797	AADT 11,797					



DC Department of Transportation - Traffic Accident Reporting and Analysis System

## Accident Summary Report (R-8)

**Corridor:** MILITARY RD,NW From GLOVER RD,NW TO TWENTY SEVENTH 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:	16	<b>Collision Type</b>	<b>#ACC</b>	<b>%</b>	<b>Collision Type</b>	<b>#ACC</b>	<b>%</b>
Total Number of Fatalities:	0	Right Angle:	1	6.3%	Fixed Object:	1	6.3%
Total Number of Injuries:	8	Left Turn:	0	0.0%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	2	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of NonDisabling Injuries:	2	Rear End:	8	50.0%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	0	Side Swiped:	4	25.0%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	0	Head On:	1	6.3%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	0	Parked:	0	0.0%	Unspecified:	1	6.3%

<b>Time of Day</b>	<b>#ACC</b>	<b>%</b>	<b>Day o fweek</b>	<b>#ACC</b>	<b>%</b>
07:30 ~ 09:30:	2	12.5%	Sunday:	2	12.5%
09:30 ~ 11:30:	2	12.5%	Monday:	2	12.5%
11:30 ~ 13:30:	2	12.5%	Tuesday:	3	18.8%
13:30 ~ 16:00:	2	12.5%	Wednesday:	2	12.5%
16:00 ~18:30:	4	25.0%	Thursday:	2	12.5%
18:30 ~ 07:30:	4	25.0%	Friday:	5	31.3%
Unspecified:	0	0.0%	Saturday:	0	0.0%

<b>Weather Condition</b>	<b>#ACC</b>	<b>%</b>	<b>Surface Condition</b>	<b>#ACC</b>	<b>%</b>
Clear:	11	68.8%	Dry:	12	75.0%
Rain:	2	12.5%	Wet:	2	12.5%
Snow:	0	0.0%	Snow/Ice:	2	12.5%
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:	3	18.8%	Unspecified:	0	0.0%

<b>Type of Vehicle</b>	<b>#VEH</b>	<b>%</b>	<b>Accident Severity Type</b>	<b>#ACC</b>	<b>%</b>
Passenger Car:	27	87.1%	Fatal Collision:	0	0.0%
Bus:	1	3.2%	Injury Collision:	7	43.8%
Truck:	3	9.7%	PDO Collision:	9	56.3%
Taxi:	0	0.0%	<b>Light Condition</b>	<b>#ACC</b>	<b>%</b>
Minivan:	0	0.0%	Daylight:	13	81.3%
Police/Emergency Vehicle:	0	0.0%	Dawn/Dusk:	1	6.3%
Motorcycle/Moped:	0	0.0%	Dark(Lighted):	2	12.5%
Bicycle:	0	0.0%	Dark(Not Lighted):	0	0.0%
Fixed Object:	0	0.0%	Dark(Unknown Lighting):	0	0.0%
Unspecified:	0	0.0%	Unspecified:	0	0.0%

<b>Contributing Factor</b>	<b>#VEH</b>	<b>%</b>	<b>Pedestrian Actions</b>	<b>#ACC</b>	<b>%</b>
Driver: Speed:	2	6.5%	In Crosswalk with Signal:	0	0.0%
Driver: Alcohol/Drug:	0	0.0%	In Crosswalk against Signal:	0	0.0%
Driver: Electronic Device:	1	3.2%	In Crosswalk no Signal:	0	0.0%
Driver: Others:	5	16.1%	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:	23	74.2%	Unspecified:	0	0.0%

7 Records are not approved as of 9/15/2013 8:48:01 PM