



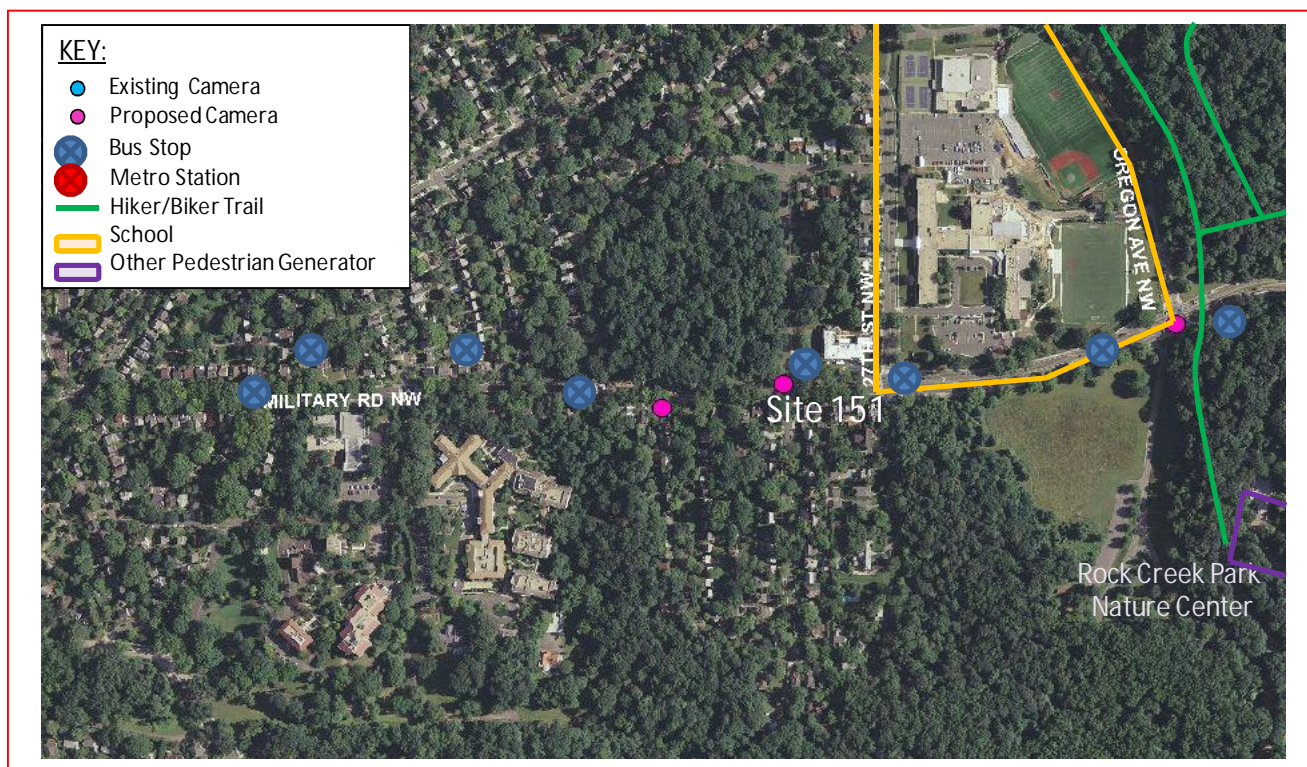
District Department of Transportation

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

2800 Block Military Road NW

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	201	3	3G	Proposed	2800 Block Military Road Northwest Westbound



The *proposed* speed camera will be located in Ward 3 at the 2800 block of Military Road Northwest in the westbound 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 - 196





District Department of Transportation

2800 Block Military Road NW

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 a work zone in the area.
- 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 crosswalk at 28th Street.
- The pavement is in fair condition and there is curb and gutter with drainage inlets. There is a slight slope downgrade westbound.



Looking Westbound



District Department of Transportation

2800 Block Military Road NW



Looking Eastbound

Speed Data Analysis

Posted Speed Limit (MPH)	35
Mean Speed (MPH)	27
85th Percentile Speed (MPH)	33
10 MPH Pace Speed (MPH)	25-34
ADT	11,301

The mean speed is lower than the posted speed limit by 8 MPH and the 85th percentile speed is lower than the posted speed by 2 MPH at this location.

Crash Data Analysis

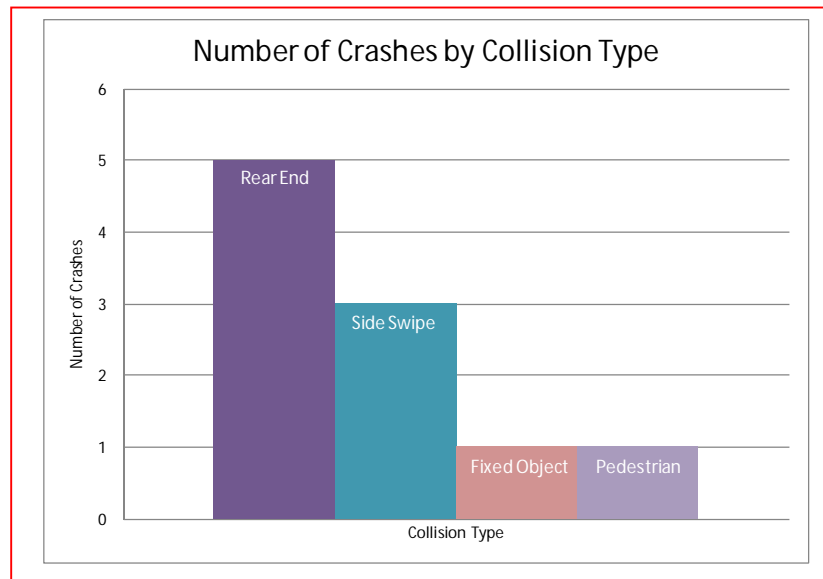
From the Accident Summary Report provided for the dates between January 1, 2010 and December 31, 2012, there were a total of 10 crashes at this location. A breakdown of number of crashes by collision type can be found in the chart on the next page. The most common type of collision at this location was Rear End with five crashes. The other collision types had three crashes or less.



District Department of Transportation

2800 Block Military Road NW

Severity			Weather			Surface condition			Light Condition		
Total	10										
Fatal	0	0.0%	Clear	7	70.0%	Dry	7	70.0%	Day	9	90.0%
Injury	3	30.0%	Rain	3	30.0%	Wet	3	30.0%	Night	1	10.0%
Taxi	2	20.0%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Bus	1	10.0%									



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 speed data analysis shows travel speeds being lower than the posted speed limit.
2. Crash Data – The crash data analysis shows a low number of crashes at this location. There were 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 and a work zone.
 - 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 - 199



District Department of Transportation

2800 Block Military Road NW

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 - 200

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2800 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	14	1	13	60	95	59	20	6	2	0	0	0	0	0	270
06:00	25	2	23	203	316	144	31	6	1	1	0	0	0	0	752
07:00	48	5	45	479	422	117	12	1	0	0	0	0	0	0	1129
08:00	58	1	91	548	365	89	11	0	0	0	0	0	0	0	1163
09:00	314	57	116	174	113	13	4	0	0	0	0	0	0	0	791
10:00	75	46	125	247	104	16	3	1	0	0	0	0	0	0	617
11:00	24	5	75	253	185	26	2	0	0	0	0	0	0	0	570
12 PM	29	4	84	246	145	27	3	0	0	0	0	0	0	0	538
13:00	50	15	118	189	137	13	2	0	0	0	0	0	0	0	524
14:00	60	21	140	255	181	33	4	0	0	0	0	0	0	0	694
15:00	37	17	85	286	204	44	7	0	0	0	0	0	0	0	680
16:00	33	13	110	302	199	32	3	0	0	0	0	0	0	0	692
17:00	38	4	86	379	217	42	5	0	0	0	0	0	0	0	771
18:00	28	1	52	304	206	45	3	1	0	0	0	0	0	0	640
19:00	27	8	92	201	98	14	2	0	0	0	0	0	0	0	442
20:00	16	6	44	149	65	9	2	0	0	0	0	0	0	0	291
21:00	6	1	44	113	60	14	0	0	0	0	0	0	0	0	238
22:00	14	0	36	83	56	20	1	1	0	0	0	0	0	0	211
23:00	7	2	10	28	33	4	0	0	0	0	0	0	0	0	84
Total	903	209	1389	4499	3201	761	115	16	3	1	0	0	0	0	11097

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

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2800 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	2	3	25	11	4	1	0	0	0	0	0	0	0	48
01:00	2	1	4	13	5	0	1	0	0	0	0	0	0	0	26
02:00	2	0	2	5	4	5	0	0	0	0	0	0	0	0	18
03:00	0	0	5	16	11	4	0	0	0	0	0	0	0	0	36
04:00	4	0	12	23	26	9	2	0	0	0	0	0	0	0	76
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	10	3	26	82	57	22	4	0	0	0	0	0	0	0	204
Grand Total	913	212	1415	4581	3258	783	119	16	3	1	0	0	0	0	11301

15th Percentile : 16 MPH
50th Percentile : 27 MPH
85th Percentile : 33 MPH
95th Percentile : 36 MPH

Stats
Mean Speed(Average) : 27 MPH
10 MPH Pace Speed : 25-34 MPH
Number in Pace : 6746
Percent in Pace : 59.7%
Number of Vehicles > 35 MPH : 1135
Percent of Vehicles > 35 MPH : 10.0%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2800 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	*	145	17	*	*	*	17	145
12:15	*	154	10	*	*	*	10	154
12:30	*	127	10	*	*	*	10	127
12:45	*	112	11	*	*	*	11	112
01:00	*	108	7	*	*	*	7	108
01:15	*	140	6	*	*	*	6	140
01:30	*	135	7	*	*	*	7	135
01:45	*	141	6	*	*	*	6	141
02:00	*	158	3	*	*	*	3	158
02:15	*	177	7	*	*	*	7	177
02:30	*	178	4	*	*	*	4	178
02:45	*	181	4	*	*	*	4	181
03:00	*	178	4	*	*	*	4	178
03:15	*	155	12	*	*	*	12	155
03:30	*	171	8	*	*	*	8	171
03:45	*	176	12	*	*	*	12	176
04:00	*	150	12	*	*	*	12	150
04:15	*	174	13	*	*	*	13	174
04:30	*	196	20	*	*	*	20	196
04:45	*	172	31	*	*	*	31	172
05:00	54	174	*	*	*	*	54	174
05:15	50	192	*	*	*	*	50	192
05:30	75	192	*	*	*	*	75	192
05:45	91	213	*	*	*	*	91	213
06:00	100	155	*	*	*	*	100	155
06:15	171	161	*	*	*	*	171	161
06:30	220	189	*	*	*	*	220	189
06:45	261	135	*	*	*	*	261	135
07:00	270	122	*	*	*	*	270	122
07:15	293	121	*	*	*	*	293	121
07:30	277	109	*	*	*	*	277	109
07:45	289	90	*	*	*	*	289	90
08:00	312	85	*	*	*	*	312	85
08:15	306	73	*	*	*	*	306	73
08:30	283	72	*	*	*	*	283	72
08:45	262	61	*	*	*	*	262	61
09:00	240	66	*	*	*	*	240	66
09:15	214	67	*	*	*	*	214	67
09:30	178	46	*	*	*	*	178	46
09:45	159	59	*	*	*	*	159	59
10:00	144	51	*	*	*	*	144	51
10:15	161	45	*	*	*	*	161	45
10:30	152	58	*	*	*	*	152	58
10:45	160	57	*	*	*	*	160	57
11:00	147	26	*	*	*	*	147	26
11:15	142	19	*	*	*	*	142	19
11:30	149	22	*	*	*	*	149	22
11:45	132	17	*	*	*	*	132	17
Total	5292	5805	204	0	0	0	5496	5805
Combined Total	11097		204		0		11301	
Peak	07:45	05:00	04:00				07:45	05:00
Vol.	1190	771	76				1190	771
P.H.F.	0.954	0.905	0.613				0.954	0.905
ADT	ADT 11,301		AADT 11,301					

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: MILITARY RD,NW From TWENTY SEVENTH 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:	10	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	0	0.0%	Fixed Object:	1	10.0%
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	10.0%
Total Number of NonDisabling Injuries:	2	Rear End:	5	50.0%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	1	Side Swiped:	3	30.0%	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:	3	30.0%	Sunday:	1	10.0%
09:30 ~ 11:30:	2	20.0%	Monday:	1	10.0%
11:30 ~ 13:30:	2	20.0%	Tuesday:	3	30.0%
13:30 ~ 16:00:	1	10.0%	Wednesday:	1	10.0%
16:00 ~18:30:	1	10.0%	Thursday:	1	10.0%
18:30 ~ 07:30:	1	10.0%	Friday:	2	20.0%
Unspecified:	0	0.0%	Saturday:	1	10.0%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	7	70.0%	Dry:	7	70.0%
Rain:	3	30.0%	Wet:	3	30.0%
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:	13	68.4%	Fatal Collision:	0	0.0%
Bus:	1	5.3%	Injury Collision:	3	30.0%
Truck:	3	15.8%	PDO Collision:	7	70.0%
Taxi:	2	10.5%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	9	90.0%
Motorcycle/Moped:	0	0.0%	Dawn/Dusk:	0	0.0%
Bicycle:	0	0.0%	Dark(Lighted):	1	10.0%
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:	1	5.3%	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	15.8%	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:	15	78.9%	Unspecified:	0	0.0%

8 Records are not approved as of 9/15/2013 8:56:12 PM