



District Department of Transportation

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

### 1800-2000 Blocks Park Road NW

#### Study Area and Location

District	PSA	Ward	ANC	Phase	Description
4	408	1	1D	Proposed	1800 to 2000 Blocks of Park Road Northwest



This *proposed* speed camera will be located in Ward 1 between the 1800 and 2000 blocks of Park Road Northwest. Park Road runs between Beach Drive Northwest to the west and Park Place Northwest to the east. The posted speed limit is 25 MPH.

W1 - 99





District Department of Transportation

1800-2000 Blocks Park Road NW

## Field Assessment Summary

Park Road is assumed to run in an East-West direction, and is classified as a minor arterial. Park Road has one travel lane westbound with a right turn lane at Klingle Road Northwest and one travel lane eastbound. This site has the following characteristics:

- This site is located in a residential area with houses and sidewalks with curb, gutter and drainage inlets on both sides of the street.
- There is on-street parking only on the north side of the street.
- There are existing traffic signals and crosswalks with pedestrian signals at 18<sup>th</sup> Street and Klingle Road, and crosswalks with no signals at the intersection with 19<sup>th</sup> street.
- The existing pavement is in good condition with rumble strips and a downhill slope in the westbound direction.
- There are seven schools in the area: Rosemount Center, Bancroft Elementary School, Sacred Heart School, Elsie Whitlow Stokes Charter, Mundo Verde Bilingual Public Charter School, Academy for Advanced and Strategic Studies, and Lincoln Middle School.
- There is one bus stop eastbound before 18<sup>th</sup> Street, one bus stop before 19<sup>th</sup> Street and one bus stop westbound before 19<sup>th</sup> Street as well as several other bus stops in the area.



Looking Eastbound

W1 - 100



District Department of Transportation

1800-2000 Blocks Park Road NW



Looking Westbound

## Speed Data Analysis

Direction	WB	EB
Posted Speed Limit (MPH)	25	25
Mean Speed (MPH)	25	21
85th Percentile Speed (MPH)	29	26
10 MPH Pace Speed	22-31	19-28
Sample Size	4,520	2,848
ADT	7,428	

In the westbound direction, the mean speed is the same as the posted speed limit, and in the eastbound direction the mean speed is 4 MPH lower than the posted speed limit. In the westbound direction, the 85<sup>th</sup> percentile speed is 4 MPH higher than the posted speed limit, and in the eastbound direction the 85<sup>th</sup> percentile speed is 1 MPH higher than the posted speed limit.

## 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 9 crashes at this location. A breakdown of number of crashes by collision type can be found in the chart below. The most common type of collision at this location was Side Swipe with four crashes.

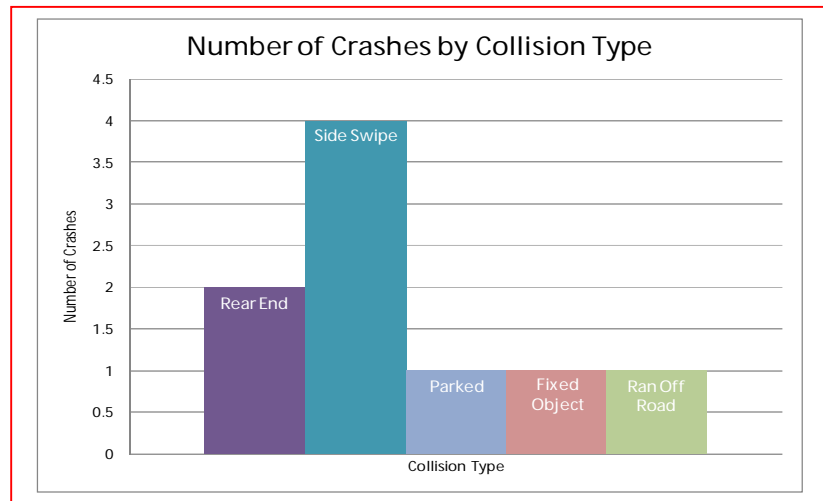
W1 - 101



District Department of Transportation

## 1800-2000 Blocks Park Road NW

Severity		Weather		Surface condition		Light Condition	
Total	9						
Fatal	0 0.0%	Clear	8 88.9%	Dry	7 77.8%	Day	6 66.7%
Injury	2 22.2%	Rain	1 11.1%	Wet	1 11.1%	Night	2 22.2%
Truck	2 22.2%	Fog/Mist	0 0.0%	Snow/Ice	0 0.0%		
Motorcycle	1 11.1%						



## 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 85<sup>th</sup> 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.
  - b. There are seven schools in this area: Rosemount Center, Bancroft Elementary School, Sacred Heart School, Elsie Whitlow Stokes Charter, Mundo Verde Bilingual Public Charter School, Academy for Advanced and Strategic Studies, and Lincoln Middle School.
  - c. The Rock Creek Park Trails are in this area which generates pedestrian activity.
  - d. There are multiple bus stops which generate pedestrian activity.
  - e. There is on-street parking in this location.



District Department of Transportation

1800-2000 Blocks Park 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, the proximity of schools to the site, and other pedestrian generators, there is a nexus between traffic safety and the speed camera at this location.

W1 - 103

# SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD  
MOUNT AIRY, MD 21771

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

## 1800 to 2000 blocks of Park Rd 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
11/07/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	1	3	49	41	16	4	0	0	0	0	0	0	0	0	114
12 PM	8	4	69	113	34	0	0	0	0	0	0	0	0	0	228
13:00	4	7	54	106	29	1	0	0	0	0	0	0	0	0	201
14:00	7	5	56	117	43	5	2	0	0	0	0	0	0	0	235
15:00	25	15	94	134	22	3	0	0	0	0	0	0	0	0	293
16:00	12	13	93	125	24	2	0	0	0	0	0	0	0	0	269
17:00	26	18	108	132	25	2	0	0	0	0	0	0	0	0	311
18:00	13	18	99	124	26	0	0	0	0	0	0	0	0	0	280
19:00	10	24	89	105	16	1	0	0	0	0	0	0	0	0	245
20:00	8	5	82	67	10	2	0	0	0	0	0	0	0	0	174
21:00	4	21	78	54	14	1	1	1	0	0	0	0	0	0	174
22:00	6	9	74	42	12	1	0	0	0	0	0	0	0	0	144
23:00	3	4	16	44	10	0	1	0	0	0	0	0	0	0	78
Total	127	146	961	1204	281	22	4	1	0	0	0	0	0	0	2746

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## 1800 to 2000 blocks of Park Rd 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
11/08/13	0	1	18	22	10	0	0	0	0	0	0	0	0	0	51
01:00	0	1	11	13	8	0	0	0	0	0	0	0	0	0	33
02:00	0	0	2	3	1	0	0	1	0	0	0	0	0	0	7
03:00	0	2	2	4	1	1	0	0	0	0	0	0	0	0	10
04:00	0	2	3	8	6	0	0	0	0	0	0	0	0	0	19
05:00	1	1	11	39	19	3	2	0	0	0	0	0	0	0	76
06:00	0	2	35	85	26	4	0	0	0	0	0	0	0	0	152
07:00	10	25	153	182	24	6	1	0	0	0	0	0	0	0	401
08:00	24	35	200	175	32	1	0	0	0	0	0	0	0	0	467
09:00	5	19	90	137	24	2	0	0	0	0	0	0	0	0	277
10:00	7	9	77	98	28	0	0	0	0	0	0	0	0	0	219
11:00	5	8	38	64	7	0	0	0	0	0	0	0	0	0	122
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Total</b>	<b>52</b>	<b>105</b>	<b>640</b>	<b>830</b>	<b>186</b>	<b>17</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1834</b>
<b>Grand Total</b>	<b>179</b>	<b>251</b>	<b>1601</b>	<b>2034</b>	<b>467</b>	<b>39</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4580</b>

15th Percentile : 19 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 32 MPH

Stats  
 Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 3109  
 Percent in Pace : 67.9%  
 Number of Vehicles > 25 MPH : 2359  
 Percent of Vehicles > 25 MPH : 51.5%

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1515 RISING RIDGE ROAD  
MOUNT AIRY, MD 21771

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## 1800 to 2000 blocks of Park Rd NW 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	1	5	43	14	2	0	0	0	0	0	0	0	0	0	65
12 PM	9	24	79	28	3	0	0	0	0	0	0	0	0	0	143
13:00	17	27	54	31	5	0	0	0	0	0	0	0	0	0	134
14:00	7	25	65	42	6	0	0	0	0	0	0	0	0	0	145
15:00	23	66	104	32	4	2	1	0	0	0	0	0	0	0	232
16:00	24	57	116	56	7	1	0	0	0	0	0	0	0	0	261
17:00	30	79	146	42	3	1	0	0	0	0	0	0	0	0	301
18:00	20	81	107	40	6	0	0	0	0	0	0	0	0	0	254
19:00	8	29	88	38	4	0	0	0	0	0	0	0	0	0	167
20:00	6	30	74	38	3	0	0	0	0	0	0	0	0	0	151
21:00	9	25	54	23	2	0	0	0	0	0	0	0	0	0	113
22:00	4	20	41	29	0	0	0	0	0	0	0	0	0	0	94
23:00	1	3	28	8	2	0	0	0	0	0	0	0	0	0	42
Total	159	471	999	421	47	4	1	0	0	0	0	0	0	0	2102



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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
11/08/13	0	3	11	14	2	2	0	0	0	0	0	0	0	0	32
01:00	0	1	10	9	0	0	0	0	0	0	0	0	0	0	20
02:00	1	1	4	2	0	0	0	0	0	0	0	0	0	0	8
03:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
04:00	1	0	2	3	3	1	0	0	0	0	0	0	0	0	10
05:00	0	0	4	5	1	0	0	0	0	0	0	0	0	0	10
06:00	2	7	13	13	3	0	0	0	0	0	0	0	0	0	38
07:00	12	10	43	30	5	1	0	0	0	0	0	0	0	0	101
08:00	24	47	94	34	2	0	0	0	0	0	0	0	0	0	201
09:00	10	17	73	39	5	1	0	0	0	0	0	0	0	0	145
10:00	14	25	40	34	3	1	0	0	0	0	0	0	0	0	117
11:00	6	6	26	18	5	0	0	0	0	0	0	0	0	0	61
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Total</b>	<b>70</b>	<b>117</b>	<b>322</b>	<b>202</b>	<b>29</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>746</b>
<b>Grand Total</b>	<b>229</b>	<b>588</b>	<b>1321</b>	<b>623</b>	<b>76</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2848</b>

15th Percentile : 12 MPH  
 50th Percentile : 21 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 29 MPH

Stats  
 Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 19-28 MPH  
 Number in Pace : 1653  
 Percent in Pace : 58.0%  
 Number of Vehicles > 25 MPH : 680  
 Percent of Vehicles > 25 MPH : 23.9%

# SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD  
MOUNT AIRY, MD 21771

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## 1800 to 2000 blocks of Park Rd NW Volume

Start Time	07-Nov-13			08-Nov-			07-Nov-13			08-Nov-		
	Thu	WB		EB		Combined	Fri	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	*	50	*	37	*	87	18	*	15	*	33	*
12:15	*	59	*	49	*	108	13	*	8	*	21	*
12:30	*	50	*	32	*	82	17	*	7	*	24	*
12:45	*	69	*	25	*	94	3	*	2	*	5	*
01:00	*	49	*	39	*	88	12	*	9	*	21	*
01:15	*	41	*	38	*	79	10	*	4	*	14	*
01:30	*	51	*	33	*	84	5	*	3	*	8	*
01:45	*	60	*	24	*	84	6	*	4	*	10	*
02:00	*	50	*	32	*	82	2	*	4	*	6	*
02:15	*	58	*	40	*	98	1	*	2	*	3	*
02:30	*	62	*	39	*	101	4	*	0	*	4	*
02:45	*	65	*	34	*	99	0	*	2	*	2	*
03:00	*	69	*	52	*	121	5	*	2	*	7	*
03:15	*	77	*	60	*	137	2	*	1	*	3	*
03:30	*	69	*	54	*	123	2	*	0	*	2	*
03:45	*	78	*	66	*	144	1	*	0	*	1	*
04:00	*	56	*	66	*	122	1	*	3	*	4	*
04:15	*	73	*	57	*	130	3	*	2	*	5	*
04:30	*	63	*	71	*	134	7	*	4	*	11	*
04:45	*	77	*	67	*	144	8	*	1	*	9	*
05:00	*	71	*	68	*	139	12	*	1	*	13	*
05:15	*	78	*	66	*	144	18	*	3	*	21	*
05:30	*	85	*	86	*	171	22	*	2	*	24	*
05:45	*	77	*	81	*	158	24	*	4	*	28	*
06:00	*	69	*	69	*	138	25	*	7	*	32	*
06:15	*	63	*	69	*	132	31	*	5	*	36	*
06:30	*	66	*	56	*	122	42	*	10	*	52	*
06:45	*	82	*	60	*	142	54	*	16	*	70	*
07:00	*	60	*	57	*	117	79	*	15	*	94	*
07:15	*	75	*	41	*	116	83	*	24	*	107	*
07:30	*	60	*	28	*	88	120	*	32	*	152	*
07:45	*	50	*	41	*	91	119	*	30	*	149	*
08:00	*	36	*	41	*	77	119	*	47	*	166	*
08:15	*	54	*	40	*	94	130	*	54	*	184	*
08:30	*	36	*	45	*	81	118	*	52	*	170	*
08:45	*	48	*	25	*	73	100	*	48	*	148	*
09:00	*	32	*	25	*	57	84	*	47	*	131	*
09:15	*	54	*	24	*	78	67	*	42	*	109	*
09:30	*	41	*	31	*	72	72	*	32	*	104	*
09:45	*	47	*	33	*	80	54	*	24	*	78	*
10:00	*	31	*	23	*	54	64	*	28	*	92	*
10:15	*	35	*	26	*	61	50	*	24	*	74	*
10:30	*	44	*	25	*	69	54	*	30	*	84	*
10:45	*	34	*	20	*	54	51	*	35	*	86	*
11:00	*	21	*	15	*	36	58	*	35	*	93	*
11:15	*	20	*	6	*	26	64	*	26	*	90	*
11:30	47	21	41	14	88	35	*	*	*	*	*	*
11:45	67	16	24	7	91	23	*	*	*	*	*	*
Total	114	2632	65	2037	179	4669	1834	0	746	0	2580	0
Day Total	2746		2102		4848		1834		746		2580	
% Total	2.4%	54.3%	1.3%	42.0%			71.1%	0.0%	28.9%	0.0%		
Peak		04:45		05:30		05:00		07:30		08:00		07:45
Vol.		311		305		612		488		201		669
P.H.F.		0.915		0.887		0.895		0.938		0.931		0.909
ADT	ADT 7,428		AADT 7,428									

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## 1800 to 2000 blocks of Park Road NW Speed

WB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
11/04/13	8	0	2	3	6	7	3	0	0	0	1	0	0	0	0	30
01:00	0	0	1	3	9	5	1	0	0	0	0	0	0	0	0	19
02:00	0	1	0	5	4	0	0	2	0	0	0	0	0	0	0	12
03:00	0	0	0	1	1	4	3	0	1	0	0	0	0	0	0	10
04:00	0	0	3	4	6	10	3	0	1	0	0	0	0	0	0	27
05:00	1	1	3	11	20	32	14	4	0	0	0	0	0	0	0	86
06:00	19	10	31	48	57	43	19	6	1	0	0	0	0	0	0	234
07:00	119	70	99	119	85	51	23	4	2	0	0	0	0	0	0	572
08:00	156	51	96	107	81	46	11	4	0	0	0	1	0	0	0	553
09:00	70	28	50	56	53	28	20	2	0	0	0	0	0	0	0	307
10:00	17	15	32	72	58	39	10	2	0	0	0	0	0	0	0	245
11:00	18	11	29	57	60	38	12	4	0	0	0	0	0	0	0	229
12 PM	32	21	32	55	56	36	11	2	1	0	0	0	0	0	0	246
13:00	9	10	27	35	55	49	19	11	3	0	0	0	0	0	0	218
14:00	23	19	29	59	73	44	23	3	1	0	0	0	0	0	0	274
15:00	33	18	37	70	56	39	22	7	2	0	0	0	0	0	0	284
16:00	30	15	36	63	62	47	29	8	1	0	1	0	0	0	0	292
17:00	63	14	45	80	67	40	26	11	1	0	0	0	0	0	0	347
18:00	72	45	49	57	50	27	12	1	0	0	0	0	0	0	0	313
19:00	16	16	28	65	64	26	7	8	1	0	0	0	0	0	0	231
20:00	13	3	11	36	45	27	12	2	0	0	0	0	0	0	0	149
21:00	4	3	9	39	49	26	5	7	0	0	0	0	0	0	0	142
22:00	13	7	17	20	33	15	14	4	0	0	0	0	0	0	0	123
23:00	4	1	8	16	17	14	3	1	0	0	0	0	0	0	0	64
<b>Total</b>	<b>720</b>	<b>359</b>	<b>674</b>	<b>1081</b>	<b>1067</b>	<b>693</b>	<b>302</b>	<b>93</b>	<b>15</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5007</b>

Daily

15th Percentile : 9 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 42 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 1785  
 Percent in Pace : 35.7%  
 Number of Vehicles > 25 MPH : 2785  
 Percent of Vehicles > 25 MPH : 55.6%

<b>Grand Total</b>	<b>720</b>	<b>359</b>	<b>674</b>	<b>1081</b>	<b>1067</b>	<b>693</b>	<b>302</b>	<b>93</b>	<b>15</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5007</b>
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# SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD  
MOUNT AIRY, MD 21771

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

## 1800 to 2000 blocks of Park Road NW Speed

EB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
11/04/13	9	0	2	3	6	5	1	0	0	1	0	0	0	0	27
01:00	0	0	1	1	4	2	2	0	0	0	0	0	0	0	10
02:00	0	0	0	1	2	2	0	0	0	0	0	0	0	0	5
03:00	0	0	1	2	1	1	0	0	0	0	0	0	0	0	5
04:00	0	0	0	2	3	2	1	0	0	0	0	0	0	0	8
05:00	2	0	0	3	4	4	0	1	0	0	0	0	0	0	14
06:00	4	1	2	10	18	10	3	0	0	0	0	0	0	0	48
07:00	39	5	6	28	25	11	2	0	0	0	0	0	0	0	116
08:00	91	16	19	38	27	9	1	0	0	0	0	0	0	0	201
09:00	46	10	31	38	47	14	1	0	0	0	0	0	0	0	187
10:00	7	2	15	28	41	33	4	0	0	0	0	0	0	0	130
11:00	18	7	10	48	48	27	6	0	0	0	0	0	0	0	164
12 PM	17	6	10	55	58	25	4	1	0	0	0	0	0	0	176
13:00	5	2	17	39	58	30	6	1	0	0	0	0	0	0	158
14:00	21	14	16	53	57	28	3	1	0	1	0	0	0	0	194
15:00	22	14	36	80	70	23	2	0	0	0	0	0	0	0	247
16:00	43	37	56	80	55	20	2	0	0	0	0	0	0	0	293
17:00	114	41	52	64	53	15	1	0	0	0	0	0	0	0	340
18:00	71	24	57	64	44	9	1	0	0	0	0	0	0	0	270
19:00	19	6	27	46	55	13	4	0	0	0	0	0	0	0	170
20:00	8	5	12	40	56	22	4	0	0	0	0	0	0	0	147
21:00	13	4	7	26	49	14	2	0	0	0	0	0	0	0	115
22:00	8	0	3	23	34	9	0	2	0	0	0	0	0	0	79
23:00	3	0	3	15	17	6	3	0	0	0	0	0	0	0	47
<b>Total</b>	<b>560</b>	<b>194</b>	<b>383</b>	<b>787</b>	<b>832</b>	<b>334</b>	<b>53</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3151</b>

Daily

15th Percentile : 8 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 1288  
 Percent in Pace : 40.9%  
 Number of Vehicles > 25 MPH : 1676  
 Percent of Vehicles > 25 MPH : 53.2%

<b>Grand Total</b>	<b>560</b>	<b>194</b>	<b>383</b>	<b>787</b>	<b>832</b>	<b>334</b>	<b>53</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3151</b>
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Overall

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# SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD  
MOUNT AIRY, MD 21771

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

## 1800 to 2000 blocks of Park Road NW Volume

Start Time	04-Nov-13		WB		EB		Combined		05-Nov-		WB		EB		Combined	
	Mon		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Tue	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			16	65	16	48	32	113	*	*	*	*	*	*	*	
12:15			4	64	4	45	8	109	*	*	*	*	*	*	*	
12:30			3	59	6	41	9	100	*	*	*	*	*	*	*	
12:45			7	58	1	42	8	100	*	*	*	*	*	*	*	
01:00			8	52	3	38	11	90	*	*	*	*	*	*	*	
01:15			6	52	4	42	10	94	*	*	*	*	*	*	*	
01:30			4	66	2	34	6	100	*	*	*	*	*	*	*	
01:45			1	48	1	44	2	92	*	*	*	*	*	*	*	
02:00			5	62	1	52	6	114	*	*	*	*	*	*	*	
02:15			3	72	2	51	5	123	*	*	*	*	*	*	*	
02:30			3	65	0	45	3	110	*	*	*	*	*	*	*	
02:45			1	75	2	46	3	121	*	*	*	*	*	*	*	
03:00			3	73	2	54	5	127	*	*	*	*	*	*	*	
03:15			2	73	1	54	3	127	*	*	*	*	*	*	*	
03:30			3	71	2	76	5	147	*	*	*	*	*	*	*	
03:45			2	67	0	63	2	130	*	*	*	*	*	*	*	
04:00			2	63	1	80	3	143	*	*	*	*	*	*	*	
04:15			5	77	2	68	7	145	*	*	*	*	*	*	*	
04:30			7	68	2	72	9	140	*	*	*	*	*	*	*	
04:45			13	84	3	73	16	157	*	*	*	*	*	*	*	
05:00			14	85	2	94	16	179	*	*	*	*	*	*	*	
05:15			17	85	3	83	20	168	*	*	*	*	*	*	*	
05:30			28	89	5	95	33	184	*	*	*	*	*	*	*	
05:45			27	88	4	68	31	156	*	*	*	*	*	*	*	
06:00			42	69	13	88	55	157	*	*	*	*	*	*	*	
06:15			44	78	11	78	55	156	*	*	*	*	*	*	*	
06:30			73	91	11	48	84	139	*	*	*	*	*	*	*	
06:45			75	75	13	56	88	131	*	*	*	*	*	*	*	
07:00			106	68	15	38	121	106	*	*	*	*	*	*	*	
07:15			137	69	21	55	158	124	*	*	*	*	*	*	*	
07:30			167	48	31	35	198	83	*	*	*	*	*	*	*	
07:45			162	46	49	42	211	88	*	*	*	*	*	*	*	
08:00			139	30	56	39	195	69	*	*	*	*	*	*	*	
08:15			153	36	41	32	194	68	*	*	*	*	*	*	*	
08:30			137	43	50	35	187	78	*	*	*	*	*	*	*	
08:45			124	40	54	41	178	81	*	*	*	*	*	*	*	
09:00			109	38	45	33	154	71	*	*	*	*	*	*	*	
09:15			87	38	40	28	127	66	*	*	*	*	*	*	*	
09:30			66	28	54	26	120	54	*	*	*	*	*	*	*	
09:45			45	38	48	28	93	66	*	*	*	*	*	*	*	
10:00			70	31	31	19	101	50	*	*	*	*	*	*	*	
10:15			60	39	32	20	92	59	*	*	*	*	*	*	*	
10:30			52	35	38	13	90	48	*	*	*	*	*	*	*	
10:45			63	18	29	27	92	45	*	*	*	*	*	*	*	
11:00			54	19	41	17	95	36	*	*	*	*	*	*	*	
11:15			59	16	34	14	93	30	*	*	*	*	*	*	*	
11:30			41	14	42	8	83	22	*	*	*	*	*	*	*	
11:45			75	15	47	8	122	23	*	*	*	*	*	*	*	
Total			2324	2683	915	2236	3239	4919		0	0	0	0	0	0	
Day Total			5007		3151		8158			0	0	0	0	0	0	
% Total			28.5%	32.9%	11.2%	27.4%				0.0%	0.0%	0.0%	0.0%			
Peak			07:30	05:00	08:00	04:45	07:30	04:45								
Vol.			621	347	201	345	798	688								
P.H.F.			0.930	0.975	0.897	0.908	0.945	0.935								

ADT                      ADT 8,158                      AADT 8,158

DC Department of Transportation - Traffic Accident Reporting and Analysis System

## Accident Summary Report (R-8)

**Corridor:** PARK RD,NW From PIERCE MILL RD,NW TO EIGHTEENTH ST,NW

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

**Prepared Date:** 9/16/2013

		<b>Collision Type</b>	<b>#ACC</b>	<b>%</b>	<b>Collision Type</b>	<b>#ACC</b>	<b>%</b>
Total Number of Accident:	9	Right Angle:	0	0.0%	Fixed Object:	1	11.1%
Total Number of Fatalities:	0	Left Turn:	0	0.0%	Ran Off Road:	1	11.1%
Total Number of Injuries:	2	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of Disabling Injuries:	0	Rear End:	2	22.2%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	0	Side Swiped:	4	44.4%	Non Collision:	0	0.0%
Total Number of Pedestrians Involved:	0	Head On:	0	0.0%	Under/Over Ride:	0	0.0%
Total Number of Bicycles Involved:	0	Parked:	1	11.1%	Unspecified:	0	0.0%
Total Number of Motorcycles Involved:	1						

<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	22.2%	Sunday:	2	22.2%
09:30 ~ 11:30:	1	11.1%	Monday:	2	22.2%
11:30 ~ 13:30:	1	11.1%	Tuesday:	0	0.0%
13:30 ~ 16:00:	2	22.2%	Wednesday:	0	0.0%
16:00 ~18:30:	0	0.0%	Thursday:	1	11.1%
18:30 ~ 07:30:	3	33.3%	Friday:	4	44.4%
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:	8	88.9%	Dry:	7	77.8%
Rain:	1	11.1%	Wet:	1	11.1%
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:	1	11.1%

<b>Type of Vehicle</b>	<b>#VEH</b>	<b>%</b>	<b>Accident Severity Type</b>	<b>#ACC</b>	<b>%</b>
Passenger Car:	10	71.4%	Fatal Collision:	0	0.0%
Bus:	0	0.0%	Injury Collision:	2	22.2%
Truck:	2	14.3%	PDO Collision:	7	77.8%
Taxi:	0	0.0%			
Minivan:	0	0.0%	<b>Light Condition</b>	<b>#ACC</b>	<b>%</b>
Police/Emergency Vehicle:	0	0.0%	Daylight:	6	66.7%
Motorcycle/Moped:	1	7.1%	Dawn/Dusk:	0	0.0%
Bicycle:	0	0.0%	Dark(Lighted):	1	11.1%
Fixed Object:	0	0.0%	Dark(Not Lighted):	1	11.1%
Unspecified:	1	7.1%	Dark(Unknown Lighting):	0	0.0%
			Unspecified:	1	11.1%

<b>Contributing Factor</b>	<b>#VEH</b>	<b>%</b>	<b>Pedestrian Actions</b>	<b>#ACC</b>	<b>%</b>
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:	4	28.6%	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:	10	71.4%	Unspecified:	0	0.0%

6 Records are not approved as of 9/16/2013 8:20:53 AM