



District Department of Transportation

Speed Limit and Safety Nexus Studies for Automated Enforcement Locations in the District of Columbia 3500 Block Park Place NW

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
4	409	1	1A	Existing	3500 Block Park Place Northwest Southbound



This existing speed camera is located in Ward 1 at the 3500 block of Park Place Northwest in the southbound direction. Park Place runs from Rock Creek Church Road Northwest to the north and Hobart Place Northwest to the south. The posted speed limit is 25 MPH. The existing speed camera was installed in July 2001.

W1 - 1





District Department of Transportation

3500 Block Park Place NW

Field Assessment Summary

Park Place is assumed to run in a North-South direction, and is classified as a minor arterial. Park Place is a one-way roadway with two travel lanes in the southbound direction. This site has the following characteristics:

- This site is located in a residential area with houses and driveways, sidewalk, a bicycle lane and on-street parking on the west side of street.
- There is guardrail along the east side of the street.
- There is curb and gutter with drainage inlets on both sides of the street and the pavement is in fair condition.
- There is a downhill slope in the southbound direction.
- There is one school in this area, Park View Elementary School, and one other pedestrian generator, Park View Recreation Center.
- There are multiple bus stops and one Metro Station in the area.



Looking Northbound



District Department of Transportation

3500 Block Park Place NW



Looking Southbound

Speed Data Analysis

Posted Speed Limit (MPH)	25
Mean Speed (MPH)	15
85th Percentile Speed (MPH)	23
10 MPH Pace Speed	5-14 MPH
Sample Size	6,038
ADT	6,075

Both the mean speed and the 85th percentile speed were lower than the posted speed limit. The 85th percentile speed is 2 MPH lower 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 was only one crash at this location. The collision type was a Side Swipe crash; "Vehicle Speeding" is shown as a contributing factor for this Side Swipe collision.



District Department of Transportation

3500 Block Park Place NW

Severity			Weather			Surface condition			Light Condition		
Total	1										
Fatal	0	0.0%	Clear	0	0.0%	Dry	0	0.0%	Day	0	0.0%
Injury	0	0.0%	Fog/Mist	1	100.0%	Wet	1	100.0%	Night	1	100.0%
Bus	0	0.0%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Taxi	0	0.0%									

This speed camera was installed on 7/2/2001. There were zero crashes in the year before its installation, and zero crashes in the year after its installation.

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 speed data analysis shows travel speeds being lower than the posted speed limit.
2. Crash Data – the crash data analysis shows no change in the number of crashes since the installation of the speed camera.
3. Field Assessment – the following site characteristics suggest a need for a safer travel environment:
 - a. The site is located in a residential area with houses and driveways along the west side of the street and in the surrounding area.
 - b. There is a bicycle lane along the west side of the street.
 - c. There is one school in this area: Park View Elementary School.
 - d. Park View Recreation Center is in the area which generates pedestrian activity.
 - e. There are multiple bus stops and one Metro Station in the area which generate pedestrian activity.
 - f. There is on-street parking on the west side of the street.

Crash data does not show any crashes, before and after the installation of speed camera at this location. The speed data analysis showed the mean and 85th percentile speeds to be lower than the posted speed limit. Due to the site characteristics, residential area, school zone, and pedestrian generator, there is a nexus between traffic safety and the speed camera at this location.

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

3500 block of Park PI NW Speed

SB

Start Time	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
11/04/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	7	5	12	4	1	1	1	0	0	0	0	0	0	0	31
02:00	2	1	2	5	0	0	0	0	0	0	0	0	0	0	10
03:00	2	1	8	5	4	0	0	0	0	0	0	0	0	0	20
04:00	8	2	14	3	2	0	0	0	0	0	0	0	0	0	29
05:00	31	6	22	31	14	2	3	0	0	0	0	0	0	0	109
06:00	98	15	57	68	25	1	3	0	0	0	0	0	0	0	267
07:00	240	55	213	87	12	1	0	0	0	0	0	0	0	0	608
08:00	343	66	252	69	7	1	0	0	0	0	0	0	0	0	738
09:00	247	32	127	39	3	0	0	0	0	0	0	0	0	0	448
10:00	165	37	75	20	3	0	0	0	0	0	0	0	0	0	300
11:00	149	42	63	11	1	0	0	0	0	0	0	0	0	0	266
12 PM	155	39	91	16	2	0	0	0	0	0	0	0	0	0	303
13:00	171	32	79	31	4	0	1	0	0	0	0	0	0	0	318
14:00	183	33	75	41	4	1	1	0	0	1	0	0	0	0	339
15:00	193	38	87	40	11	0	2	0	1	0	0	0	0	0	372
16:00	168	47	99	46	1	1	0	0	0	0	0	0	0	0	362
17:00	192	41	140	56	5	0	2	0	0	0	0	0	0	0	436
18:00	147	38	90	47	1	2	0	0	0	0	0	0	0	0	325
19:00	84	28	75	35	2	0	0	0	0	0	0	0	0	0	224
20:00	80	24	62	31	1	0	1	0	0	0	0	0	0	0	199
21:00	51	23	56	18	5	0	0	0	0	0	0	0	0	0	153
22:00	36	17	31	21	2	1	0	0	0	0	0	0	0	0	108
23:00	29	16	18	8	2	0	0	0	0	0	0	0	0	0	73
Total	2781	638	1748	732	112	11	14	0	1	1	0	0	0	0	6038

Daily

15th Percentile : 5 MPH
 50th Percentile : 11 MPH
 85th Percentile : 23 MPH
 95th Percentile : 28 MPH

Mean Speed(Average) : 15 MPH
 10 MPH Pace Speed : 5-14 MPH
 Number in Pace : 2987
 Percent in Pace : 49.5%
 Number of Vehicles > 25 MPH : 699
 Percent of Vehicles > 25 MPH : 11.6%

SAMMAT ENGINEERING SERVICES, LLC

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www.sammateng.com

3500 block of Park PI NW Speed

SB

Start Time	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
11/05/13	13	4	13	6	1	0	0	0	0	0	0	0	0	0	37
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	13	4	13	6	1	0	0	0	0	0	0	0	0	0	37

Daily

15th Percentile : 6 MPH
 50th Percentile : 15 MPH
 85th Percentile : 24 MPH
 95th Percentile : 28 MPH

Mean Speed(Average) : 16 MPH
 10 MPH Pace Speed : 5-14 MPH
 Number in Pace : 15
 Percent in Pace : 40.5%
 Number of Vehicles > 25 MPH : 6
 Percent of Vehicles > 25 MPH : 15.9%

Grand Total	2794	642	1761	738	113	11	14	0	1	1	0	0	0	0	6075
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Overall

15th Percentile : 5 MPH
 50th Percentile : 11 MPH
 85th Percentile : 23 MPH
 95th Percentile : 28 MPH

Mean Speed(Average) : 15 MPH
 10 MPH Pace Speed : 5-14 MPH
 Number in Pace : 3002
 Percent in Pace : 49.4%
 Number of Vehicles > 25 MPH : 704
 Percent of Vehicles > 25 MPH : 11.6%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

3500 block of Park PI NW Volume

Start Time	Mon	04-Nov-13	Tue	05-Nov-13	Wed	06-Nov-13	Daily Average	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	*	68	10	*	*	*	10	68
12:15	*	71	14	*	*	*	14	71
12:30	*	77	6	*	*	*	6	77
12:45	*	87	7	*	*	*	7	87
01:00	11	84	*	*	*	*	11	84
01:15	5	79	*	*	*	*	5	79
01:30	8	87	*	*	*	*	8	87
01:45	7	68	*	*	*	*	7	68
02:00	2	95	*	*	*	*	2	95
02:15	2	84	*	*	*	*	2	84
02:30	3	86	*	*	*	*	3	86
02:45	3	74	*	*	*	*	3	74
03:00	4	73	*	*	*	*	4	73
03:15	3	97	*	*	*	*	3	97
03:30	4	109	*	*	*	*	4	109
03:45	9	93	*	*	*	*	9	93
04:00	8	85	*	*	*	*	8	85
04:15	6	96	*	*	*	*	6	96
04:30	5	96	*	*	*	*	5	96
04:45	10	85	*	*	*	*	10	85
05:00	17	108	*	*	*	*	17	108
05:15	23	95	*	*	*	*	23	95
05:30	37	114	*	*	*	*	37	114
05:45	32	119	*	*	*	*	32	119
06:00	43	81	*	*	*	*	43	81
06:15	51	99	*	*	*	*	51	99
06:30	81	77	*	*	*	*	81	77
06:45	92	68	*	*	*	*	92	68
07:00	99	74	*	*	*	*	99	74
07:15	144	47	*	*	*	*	144	47
07:30	183	49	*	*	*	*	183	49
07:45	182	54	*	*	*	*	182	54
08:00	170	48	*	*	*	*	170	48
08:15	185	43	*	*	*	*	185	43
08:30	201	48	*	*	*	*	201	48
08:45	182	60	*	*	*	*	182	60
09:00	141	50	*	*	*	*	141	50
09:15	107	39	*	*	*	*	107	39
09:30	109	32	*	*	*	*	109	32
09:45	91	32	*	*	*	*	91	32
10:00	78	34	*	*	*	*	78	34
10:15	71	22	*	*	*	*	71	22
10:30	87	22	*	*	*	*	87	22
10:45	64	30	*	*	*	*	64	30
11:00	63	13	*	*	*	*	63	13
11:15	63	25	*	*	*	*	63	25
11:30	63	17	*	*	*	*	63	17
11:45	77	18	*	*	*	*	77	18
Total	2826	3212	37	0	0	0	2863	3212
Combined Total	6038		37		0		6075	
Peak	07:45	05:00	12:00				07:45	05:00
Vol.	738	436	37				738	436
P.H.F.	0.918	0.916	0.661				0.918	0.916
ADT	ADT 6,075		AADT 6,075					

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: PARK PL,NW From MANOR PL,NW TO LURAY PL,NW

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

Prepared Date: 9/15/2013

		Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Accident:	1	Right Angle:	0	0.0%	Fixed Object:	0	0.0%
Total Number of Fatalities:	0	Left Turn:	0	0.0%	Ran Off Road:	0	0.0%
Total Number of Injuries:	0	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of Disabling Injuries:	0	Rear End:	0	0.0%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	0	Side Swiped:	1	100.0%	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:	0	0.0%	Unspecified:	0	0.0%
Total Number of Motorcycles Involved:	0						

Time of Day	#ACC	%	Day o fweek	#ACC	%
07:30 ~ 09:30:	0	0.0%	Sunday:	1	100.0%
09:30 ~ 11:30:	0	0.0%	Monday:	0	0.0%
11:30 ~ 13:30:	0	0.0%	Tuesday:	0	0.0%
13:30 ~ 16:00:	0	0.0%	Wednesday:	0	0.0%
16:00 ~18:30:	0	0.0%	Thursday:	0	0.0%
18:30 ~ 07:30:	1	100.0%	Friday:	0	0.0%
Unspecified:	0	0.0%	Saturday:	0	0.0%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	0	0.0%	Dry:	0	0.0%
Rain:	0	0.0%	Wet:	1	100.0%
Snow:	0	0.0%	Snow/Ice:	0	0.0%
Sleet/Hail:	0	0.0%	Slush:	0	0.0%
Fog/Mist:	1	100.0%	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:	1	50.0%	Fatal Collision:	0	0.0%
Bus:	0	0.0%	Injury Collision:	0	0.0%
Truck:	0	0.0%	PDO Collision:	1	100.0%
Taxi:	0	0.0%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	0	0.0%
Motorcycle/Moped:	0	0.0%	Dawn/Dusk:	0	0.0%
Bicycle:	0	0.0%	Dark(Lighted):	0	0.0%
Fixed Object:	0	0.0%	Dark(Not Lighted):	1	100.0%
Unspecified:	1	50.0%	Dark(Unknown Lighting):	0	0.0%
			Unspecified:	0	0.0%

Contributing Factor	#VEH	%	Pedestrian Actions	#ACC	%
Driver: Speed:	1	50.0%	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:	0	0.0%	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:	1	50.0%	Unspecified:	0	0.0%

0 Records are not approved as of 9/15/2013 12:17:25 PM

3500 blk of Park Pl NW (SB)

Before 1 year – No Accidents

3500 blk of Park Pl NW (SB)

After 1 year – No Accidents