



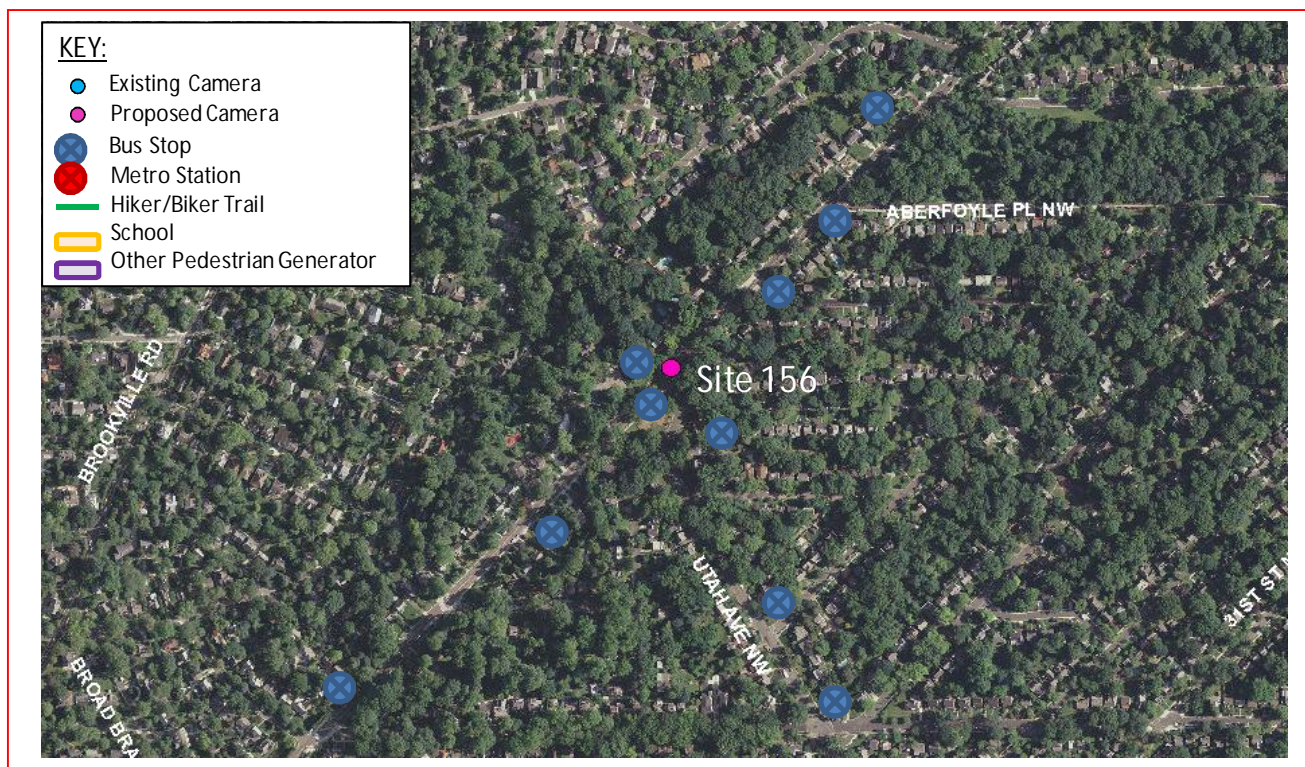
District Department of Transportation

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

6500 Block Western Avenue NW

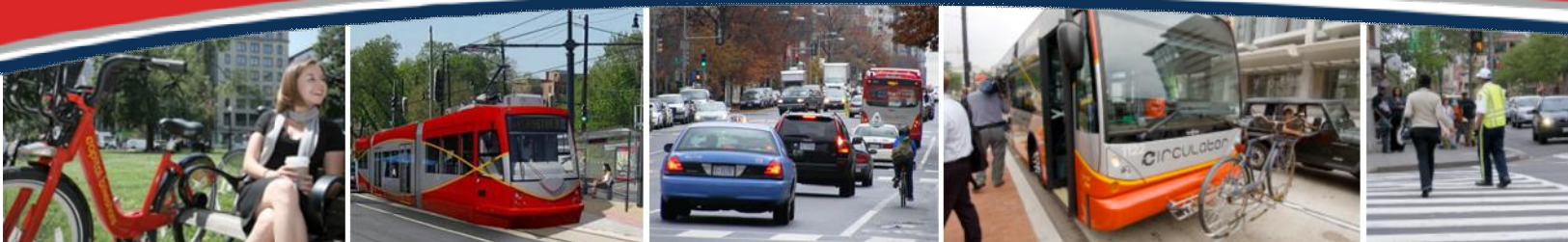
Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	202	3	3E	Proposed	6500 Block Western Avenue Northwest Northeast-bound



This *proposed* speed camera will be located in Ward 3 at the 6500 block of Western Avenue Northwest in the northeastbound direction. Western Avenue Northwest is the west boundary line at the DC-Maryland border and runs between Eastern Avenue Northwest to the northeast and Dalecarlia Parkway Northwest to the southwest. The posted speed limit is 25 MPH.

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District Department of Transportation

6500 Block Western Avenue NW

Field Assessment Summary

Western Avenue is assumed to run in the northeast-southwest direction, and is classified as collector road. Western Avenue has one travel lane in each direction. This site has the following characteristics:

- This is a residential area with houses and driveways.
- There is sidewalk on the south side of the street and on-street parking on both sides of the street.
- There is a crosswalk at Arcadia Place.
- The pavement is in fair condition and there is curb and gutter with drainage inlets.
- There are bus stops eastbound near Arcadia Place and Aberfoyle Place. There is another bus stop westbound near Arcadia Place.



Looking Northeast-bound

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District Department of Transportation

6500 Block Western Avenue NW



Looking Southwest-bound

Speed Data Analysis

Posted Speed Limit (MPH)	25
Mean Speed (MPH)	20
85th Percentile Speed (MPH)	24
10 MPH Pace Speed (MPH)	17-26
ADT	2,313

The mean speed is lower than the posted speed limit by 5 MPH and the 85th percentile speed is lower than the posted speed by 1 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 zero crashes at this location.

Safety Nexus

This site presents the following safety considerations which may establish a nexus between traffic safety and the speed camera:

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District Department of Transportation

6500 Block Western Avenue NW

1. Speed Data – The speed data analysis shows travel speeds being lower than the posted speed limit.
2. Crash Data – This location had zero crashes between January 1, 2010 and December 31, 2012.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - a. This is a residential area with houses and driveways.
 - b. There are multiple bus stops in the area which generate pedestrian activity.

Although the speed data analysis showed the travel speeds as being lower than the posted speed limit, the residential nature of the location as well as the pedestrian generators of the metro bus stops support 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

6500 block of Western Avenue NW NEB Speed

NEB															
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	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
05:00	1	1	6	1	1	0	0	0	0	0	0	0	0	0	10
06:00	3	6	8	6	0	0	0	0	0	0	0	0	0	0	23
07:00	9	20	47	8	0	0	0	0	0	0	0	0	0	0	84
08:00	15	44	82	6	1	0	0	0	0	0	0	0	0	0	148
09:00	9	29	57	8	1	0	0	0	0	0	0	0	0	0	104
10:00	8	20	55	9	1	0	0	0	0	0	0	0	0	0	93
11:00	5	27	61	6	1	0	0	0	0	0	0	0	0	0	100
12 PM	5	21	73	15	1	0	0	0	0	0	0	0	0	0	115
13:00	11	33	54	6	1	0	0	0	0	0	0	0	0	0	105
14:00	11	30	82	20	0	0	0	0	0	0	0	0	0	0	143
15:00	15	55	127	14	0	0	0	0	0	0	0	0	0	0	211
16:00	15	46	159	21	0	0	0	0	0	0	0	0	0	0	241
17:00	8	76	161	22	0	0	0	0	0	0	0	0	0	0	267
18:00	8	87	135	12	1	0	0	0	0	0	0	0	0	0	243
19:00	12	35	99	8	1	0	0	0	0	0	0	0	0	0	155
20:00	3	33	61	6	2	0	0	0	0	0	0	0	0	0	105
21:00	4	20	54	7	0	0	0	0	0	0	0	0	0	0	85
22:00	2	14	24	5	0	0	0	0	0	0	0	0	0	0	45
23:00	1	5	9	1	2	0	0	0	0	0	0	0	0	0	18
Total	147	602	1355	181	13	0	0	0	0	0	0	0	0	0	2298

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

6500 block of Western Avenue NW NEB Speed

NEB															
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	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:00	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
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	6	3	6	0	0	0	0	0	0	0	0	0	0	0	15
Grand Total	153	605	1361	181	13	0	0	0	0	0	0	0	0	0	2313

15th Percentile : 12 MPH
50th Percentile : 20 MPH
85th Percentile : 24 MPH
95th Percentile : 26 MPH

Stats
Mean Speed(Average) : 20 MPH
10 MPH Pace Speed : 17-26 MPH
Number in Pace : 1542
Percent in Pace : 66.7%
Number of Vehicles > 25 MPH : 284
Percent of Vehicles > 25 MPH : 12.3%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

6500 block of Western Avenue NW NEB 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	*	29	1	*	*	*	1	29
12:15	*	27	1	*	*	*	1	27
12:30	*	25	1	*	*	*	1	25
12:45	*	34	0	*	*	*	0	34
01:00	*	25	2	*	*	*	2	25
01:15	*	24	1	*	*	*	1	24
01:30	*	24	0	*	*	*	0	24
01:45	*	32	2	*	*	*	2	32
02:00	*	35	1	*	*	*	1	35
02:15	*	35	1	*	*	*	1	35
02:30	*	38	0	*	*	*	0	38
02:45	*	35	0	*	*	*	0	35
03:00	*	51	1	*	*	*	1	51
03:15	*	75	0	*	*	*	0	75
03:30	*	41	0	*	*	*	0	41
03:45	*	44	0	*	*	*	0	44
04:00	*	54	4	*	*	*	4	54
04:15	*	69	0	*	*	*	0	69
04:30	3	62	*	*	*	*	3	62
04:45	0	56	*	*	*	*	0	56
05:00	1	59	*	*	*	*	1	59
05:15	2	66	*	*	*	*	2	66
05:30	3	65	*	*	*	*	3	65
05:45	4	77	*	*	*	*	4	77
06:00	1	69	*	*	*	*	1	69
06:15	8	60	*	*	*	*	8	60
06:30	7	58	*	*	*	*	7	58
06:45	7	56	*	*	*	*	7	56
07:00	18	46	*	*	*	*	18	46
07:15	8	46	*	*	*	*	8	46
07:30	24	35	*	*	*	*	24	35
07:45	34	28	*	*	*	*	34	28
08:00	43	28	*	*	*	*	43	28
08:15	30	23	*	*	*	*	30	23
08:30	35	24	*	*	*	*	35	24
08:45	40	30	*	*	*	*	40	30
09:00	31	30	*	*	*	*	31	30
09:15	23	23	*	*	*	*	23	23
09:30	23	21	*	*	*	*	23	21
09:45	27	11	*	*	*	*	27	11
10:00	23	16	*	*	*	*	23	16
10:15	21	7	*	*	*	*	21	7
10:30	23	9	*	*	*	*	23	9
10:45	26	13	*	*	*	*	26	13
11:00	27	8	*	*	*	*	27	8
11:15	22	4	*	*	*	*	22	4
11:30	23	3	*	*	*	*	23	3
11:45	28	3	*	*	*	*	28	3
Total	565	1733	15	0	0	0	580	1733
Combined Total	2298		15		0		2313	
Peak	08:00	05:15	01:00				08:00	05:15
Vol.	148	277	5				148	277
P.H.F.	0.860	0.899	0.625				0.860	0.899
ADT		ADT 2,313	AADT 2,313					