



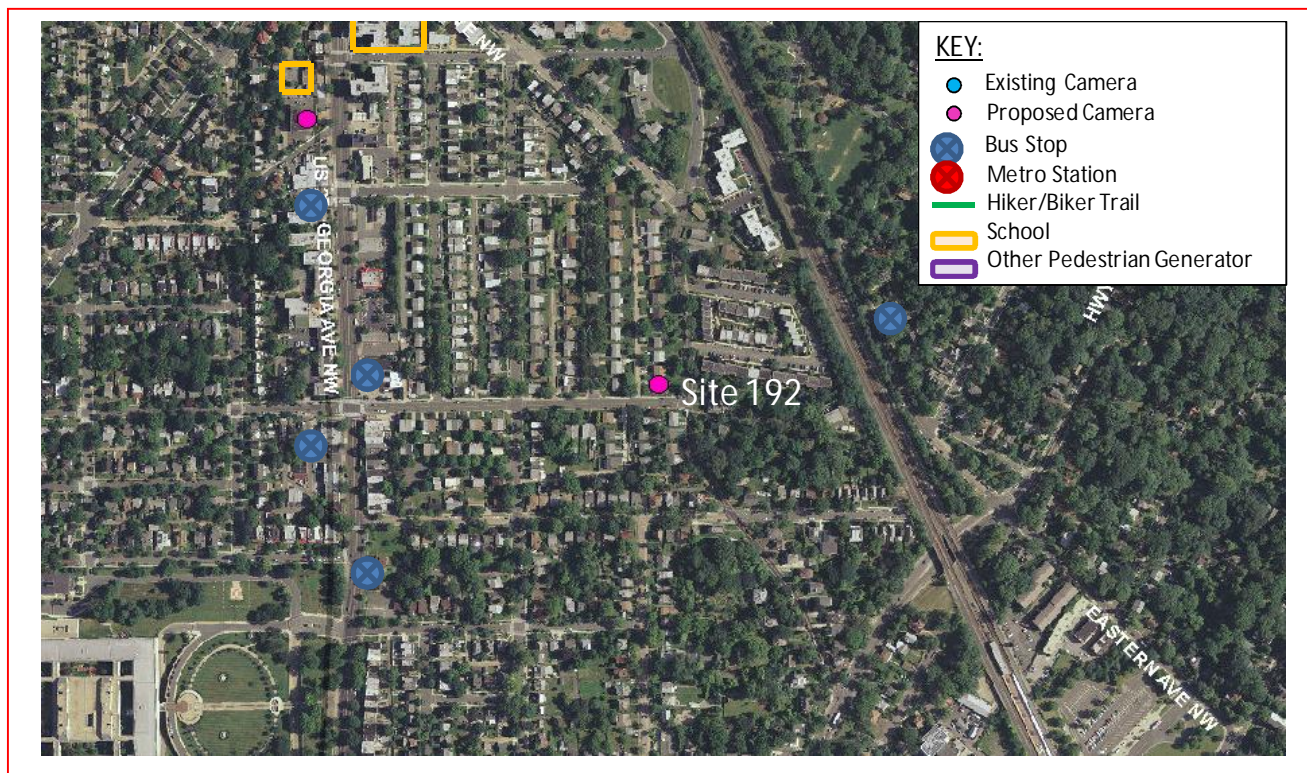
District Department of Transportation

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

7400 Block Blair Road NW

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
4	401	4	4B	Proposed	7400 Block Blair Road Northwest Southeast-bound



This *proposed* site is located in Ward 4 at the 7400 block of Blair Road Northwest in the Southwest-bound direction. Blair Road runs from the intersection with Georgia Avenue Northwest and Eastern Avenue Northwest in the northwest to Riggs Road Northeast in the southeast. The posted speed limit is 25 MPH.

W4 - 197





District Department of Transportation

7400 Block Blair Road NW

Field Assessment Summary

Blair Road is assumed to run in the North-South direction and is classified as a minor arterial at this location. This site has the following characteristics:

- This site is located in a residential area with houses and driveways on both sides of the street.
- There are two schools in the area: San Miguel School and Academia De La Porta Christian.
- There is sidewalk with curb and gutter on the east side of the street.
- The existing pavement is in fair condition.



Looking Northwest-bound



District Department of Transportation

7400 Block Blair Road NW



Looking Southbound

Speed Data Analysis

Posted Speed Limit (MPH)	25
Mean Speed (MPH)	27
85th Percentile Speed (MPH)	33
10 MPH Pace Speed	24-33
ADT	5,193

Both the Mean Speed and the 85th percentile speed are higher than the posted speed limit at this location. The 85th percentile speed is 8 MPH higher than the posted speed limit at this location.

Crash Data Analysis

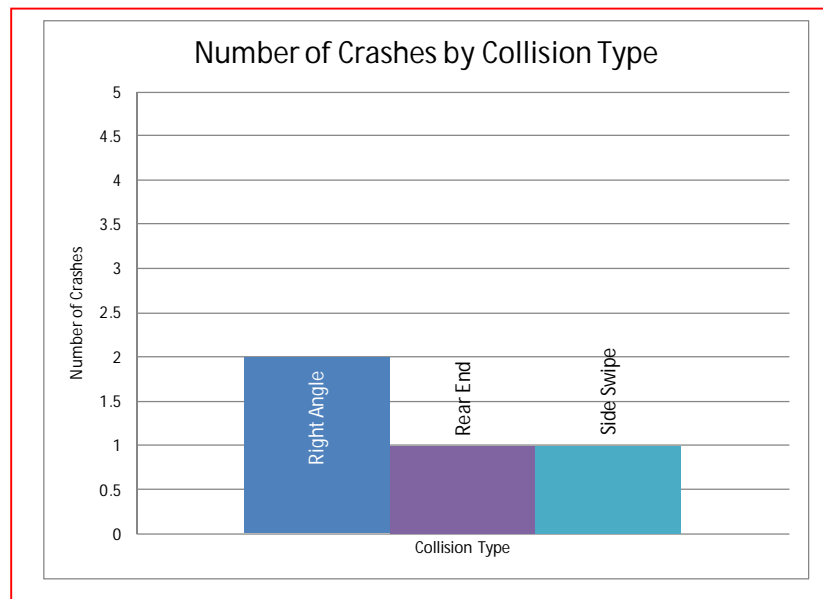
From the Accident Summary Report provided for the dates between January 1, 2010 and December 31, 2012, there were a total of four crashes at this location. A breakdown of number of crashes by collision type can be found in the chart below. The most common type of collision at this location was Right Angle (2 crashes). The other collision types had one crash or less each.



District Department of Transportation

7400 Block Blair Road NW

Severity			Weather			Surface condition			Light Condition		
Total	4										
Fatal	0	0.0%	Clear	4	100.0%	Dry	3	75.0%	Day	4	100.0%
Injury	1	25.0%	Rain	0	0.0%	Wet	1	25.0%	Night	0	0.0%
Taxi	0	0.0%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Bus	0	0.0%									



Safety Nexus

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

1. Speed Data – The 85th percentile speed is much 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 site is located in a residential area with houses and driveways on both sides of the street.
 - b. There are two schools in the area: San Miguel School and Academia De La Porta Christian.

Although the crash data analysis showed a low number of crashes at this location, the speed data analysis revealed a safety factor. Thus, 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.

W4 - 200

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

7400 Block Blair Road NW SEB Speed

SEB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
11/07/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	17	15	61	103	83	20	1	0	0	0	0	0	0	0	300
10:00	17	6	58	106	67	22	3	0	0	0	0	0	0	0	279
11:00	13	9	48	115	66	14	1	0	0	0	0	0	0	0	266
12 PM	16	11	54	121	77	4	1	0	0	0	0	0	0	0	284
13:00	20	15	52	113	65	13	2	0	0	0	0	0	0	0	280
14:00	33	13	56	101	60	22	4	0	0	0	0	0	0	0	289
15:00	12	9	63	137	92	24	3	1	0	0	0	0	0	0	341
16:00	33	27	71	132	58	14	2	0	0	0	0	0	0	0	337
17:00	23	13	80	145	74	12	1	0	0	0	0	0	0	0	348
18:00	14	17	94	130	66	10	1	0	0	0	0	0	0	0	332
19:00	9	3	39	116	64	13	3	0	0	0	0	0	0	0	247
20:00	12	8	39	95	53	19	3	0	0	0	0	0	0	0	229
21:00	5	4	30	62	66	20	4	1	0	0	0	0	0	0	192
22:00	11	5	14	60	45	14	3	0	0	0	0	0	0	0	152
23:00	5	3	6	37	38	11	1	0	0	0	0	0	0	0	101
Total	240	158	765	1573	974	232	33	2	0	0	0	0	0	0	3977

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

7400 Block Blair Road NW SEB Speed

SEB	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
11/08/13	1	1	2	16	25	11	0	0	0	0	0	0	0	0	56
01:00	0	0	0	6	15	4	1	1	0	0	0	0	0	0	27
02:00	0	0	2	4	9	7	0	1	0	0	0	0	0	0	23
03:00	0	0	0	4	10	2	1	1	0	0	0	0	0	0	18
04:00	1	1	7	20	19	13	4	1	0	0	0	0	0	0	66
05:00	4	1	13	58	57	18	0	0	1	0	0	0	0	0	152
06:00	7	2	40	95	78	20	5	1	0	0	0	0	0	0	248
07:00	10	12	75	130	82	22	3	0	0	0	0	0	0	0	334
08:00	35	9	52	120	92	28	2	0	0	0	0	0	0	0	338
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	58	26	191	453	387	125	16	5	1	0	0	0	0	0	1262
Grand Total	298	184	956	2026	1361	357	49	7	1	0	0	0	0	0	5239

15th Percentile : 19 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Stats
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 24-33 MPH
 Number in Pace : 3034
 Percent in Pace : 57.9%
 Number of Vehicles > 25 MPH : 3455
 Percent of Vehicles > 25 MPH : 65.9%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

7400 Block Blair Road NW SEB Volume

Start Time	Thu	07-Nov-13	Fri	08-Nov-13	Sat	09-Nov-13	Daily Average	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	*	65	16	*	*	*	16	65
12:15	*	79	19	*	*	*	19	79
12:30	*	77	8	*	*	*	8	77
12:45	*	63	13	*	*	*	13	63
01:00	*	75	5	*	*	*	5	75
01:15	*	67	11	*	*	*	11	67
01:30	*	77	6	*	*	*	6	77
01:45	*	61	5	*	*	*	5	61
02:00	*	58	6	*	*	*	6	58
02:15	*	74	6	*	*	*	6	74
02:30	*	86	3	*	*	*	3	86
02:45	*	71	8	*	*	*	8	71
03:00	*	77	5	*	*	*	5	77
03:15	*	85	4	*	*	*	4	85
03:30	*	90	6	*	*	*	6	90
03:45	*	89	3	*	*	*	3	89
04:00	*	92	9	*	*	*	9	92
04:15	*	87	9	*	*	*	9	87
04:30	*	82	22	*	*	*	22	82
04:45	*	76	26	*	*	*	26	76
05:00	*	88	28	*	*	*	28	88
05:15	*	99	33	*	*	*	33	99
05:30	*	81	53	*	*	*	53	81
05:45	*	80	38	*	*	*	38	80
06:00	*	80	42	*	*	*	42	80
06:15	*	100	70	*	*	*	70	100
06:30	*	80	66	*	*	*	66	80
06:45	*	72	70	*	*	*	70	72
07:00	*	67	87	*	*	*	87	67
07:15	*	73	85	*	*	*	85	73
07:30	*	59	77	*	*	*	77	59
07:45	*	48	85	*	*	*	85	48
08:00	*	63	88	*	*	*	88	63
08:15	*	56	96	*	*	*	96	56
08:30	*	56	86	*	*	*	86	56
08:45	*	54	68	*	*	*	68	54
09:00	92	55	0	*	*	*	46	55
09:15	68	56	*	*	*	*	68	56
09:30	66	38	*	*	*	*	66	38
09:45	74	43	*	*	*	*	74	43
10:00	73	38	*	*	*	*	73	38
10:15	87	39	*	*	*	*	87	39
10:30	60	49	*	*	*	*	60	49
10:45	59	26	*	*	*	*	59	26
11:00	65	28	*	*	*	*	65	28
11:15	68	35	*	*	*	*	68	35
11:30	62	16	*	*	*	*	62	16
11:45	71	22	*	*	*	*	71	22
Total	845	3132	1262	0	0	0	2061	3132
Combined Total	3977		1262		0		5193	
Peak Vol.	09:00 300	03:30 358	07:45 355				07:45 355	03:30 358
P.H.F.	0.815	0.973	0.924				0.924	0.973
ADT		ADT 5,193	AADT 5,193					

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: BLAIR RD,NW From BRUMMEL CT (SOUTH),NW TO GERANIUM ST,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:	4	Right Angle:	2	50.0%	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:	1	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of Disabling Injuries:	0	Rear End:	1	25.0%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	0	Side Swiped:	1	25.0%	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:	0	0.0%
09:30 ~ 11:30:	2	50.0%	Monday:	1	25.0%
11:30 ~ 13:30:	0	0.0%	Tuesday:	0	0.0%
13:30 ~ 16:00:	0	0.0%	Wednesday:	1	25.0%
16:00 ~18:30:	0	0.0%	Thursday:	0	0.0%
18:30 ~ 07:30:	2	50.0%	Friday:	2	50.0%
Unspecified:	0	0.0%	Saturday:	0	0.0%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	4	100.0%	Dry:	3	75.0%
Rain:	0	0.0%	Wet:	1	25.0%
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:	8	80.0%	Fatal Collision:	0	0.0%
Bus:	0	0.0%	Injury Collision:	1	25.0%
Truck:	2	20.0%	PDO Collision:	3	75.0%
Taxi:	0	0.0%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	4	100.0%
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):	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:	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:	0	0.0%	In Unmarked Crosswalk:	0	0.0%
Vehicle:	0	0.0%	Not in Crosswalk:	0	0.0%
Roadway:	1	10.0%	From Between Parked Cars:	0	0.0%
Unspecified:	9	90.0%	Unspecified:	0	0.0%

2 Records are not approved as of 9/15/2013 10:32:45 PM