



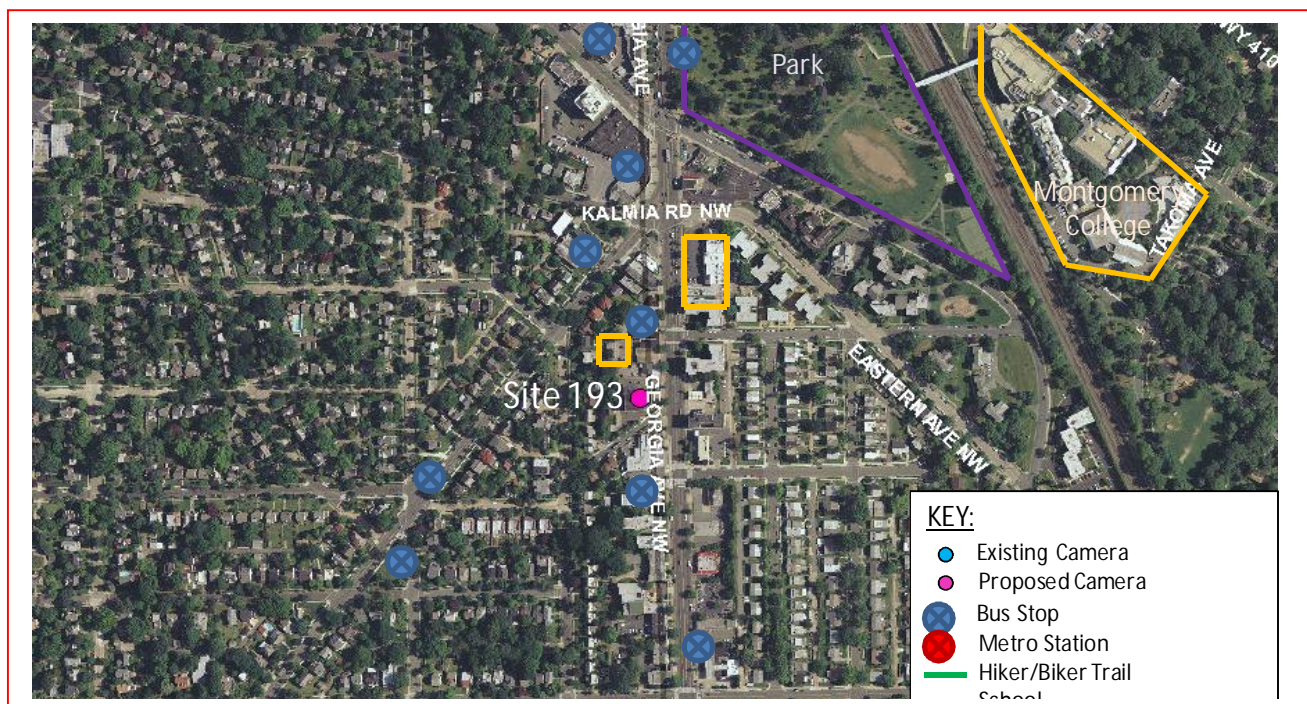
District Department of Transportation

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

7600 Block Georgia Avenue NW

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
4	401	4	4A/4B	Proposed	7600 Block Georgia Avenue Northwest Southbound



This *proposed* speed camera will be located in Ward 4 at the 7600 block of Georgia Avenue Northwest in the southbound direction. Georgia Avenue runs from Eastern Avenue Northwest in the north to Avenue Northwest to the south, where it becomes 7th Street Northwest. The posted speed limit is 30 MPH.

W4 - 205





District Department of Transportation

7600 Block Georgia Avenue NW

Field Assessment Summary

Georgia Avenue is assumed to run in a North-South direction, and is classified as a principal arterial. Georgia Avenue has two travel lanes in each direction. This site has the following characteristics:

- This is a residential and commercial area with apartments and small businesses.
- There are three schools in the area: Montgomery College, Academia De La Porta Christian, and San Miguel School. Jesup Blair Park is also in the area.
- There are crosswalks at Juniper Street and Hawk signals with pedestrian signals and crosswalks at Hemlock Street.
- There is sidewalk and on-street parking on both sides of the street.
- The pavement is in fair condition and there is curb and gutter with drainage inlets.
- There are southbound bus stops at Juniper Street and Hemlock Street.



Looking Northbound



District Department of Transportation

7600 Block Georgia Avenue NW



Looking Southbound

Speed Data Analysis

Posted Speed Limit (MPH)	30
Mean Speed (MPH)	26
85th Percentile Speed (MPH)	35
10 MPH Pace Speed	26-35
ADT	8,937

The mean speed is lower than the posted speed limit by 4 MPH and the 85th percentile speed is higher than the posted speed by 5 MPH at this location.

Crash Data Analysis

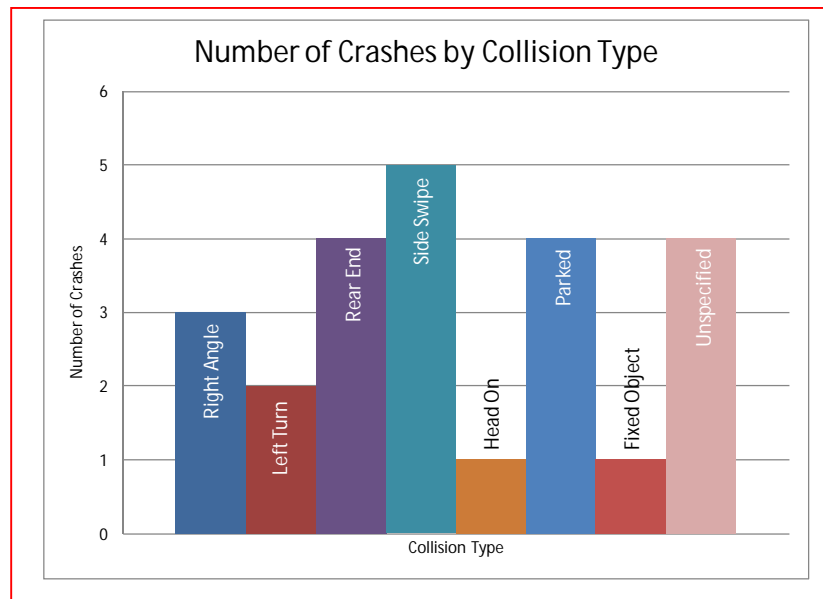
From the Accident Summary Report provided for the dates between January 1, 2010 and December 31, 2012, there were a total of 24 crashes at this location. A breakdown of number of crashes by collision type can be found in the chart on the next page. The most common types of collision at this location were Side Swipe (5 crashes) and Rear End, Parked and Unspecified with four crashes. The other collision types had three crashes or less each. Furthermore, this site experienced a high frequency (9 crashes) of injury-related crashes.



District Department of Transportation

7600 Block Georgia Avenue NW

Severity			Weather			Surface condition			Light Condition		
Total	24										
Fatal	0	0.0%	Clear	17	70.8%	Dry	17	70.8%	Day	13	54.2%
Injury	9	37.5%	Rain	3	12.5%	Wet	4	16.7%	Night	6	25.0%
Taxi	3	12.5%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Bus	1	4.2%									



The Georgia Avenue Corridor is listed as one of the top ten high frequency crash corridors from 2009 to 2011, according to the report *TRAFFIC SAFETY STATISTICS REPORT FOR THE DISTRICT OF COLUMBIA (2009-2011)*¹.

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 85th percentile speed is higher than the posted speed limit at this location.
2. Crash Data – This site experienced nine injury-related crashes. The Georgia Avenue Corridor is listed as one of the top ten high frequency crash corridors from 2009 to 2011.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - a. This is a residential and commercial area with apartments and businesses.

¹ DDOT, *TRAFFIC SAFETY STATISTICS REPORT FOR THE DISTRICT OF COLUMBIA (2009-2011)*, pg. 80.



District Department of Transportation

7600 Block Georgia Avenue NW

- b. There are three schools in the area: Montgomery College, Academia De La Porta Christian, and San Miguel School.
- c. Jesup Blair Park is in the area which generates pedestrian and bicycle activity.
- d. There are multiple bus stops in the area which generate pedestrian activity.
- e. There is on-street parking on both sides of the street.

Due to the speed data analysis, the elevated number of injury-related crashes, 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.

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

7600 block of Georgia Ave NW SB Speed

SB

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
11/10/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	9	2	2	12	23	14	6	0	0	0	0	0	0	0	68
Total	9	2	2	12	23	14	6	0	0	0	0	0	0	0	68

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

7600 block of Georgia Ave NW SB Speed

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
11/11/13	3	3	11	29	21	21	6	0	0	0	0	0	0	0	94
01:00	2	2	4	30	21	10	6	2	1	0	0	0	0	0	78
02:00	0	1	2	12	11	7	4	1	0	0	0	0	0	0	38
03:00	0	0	5	9	12	8	2	0	1	0	0	0	0	0	37
04:00	2	3	5	9	20	17	5	3	0	0	0	0	0	0	64
05:00	6	1	9	24	55	34	30	15	3	0	0	0	0	0	177
06:00	19	4	20	68	123	90	43	14	5	1	0	0	0	0	387
07:00	42	10	45	144	190	129	55	15	6	1	1	0	0	0	638
08:00	55	20	45	142	199	95	37	7	2	0	0	0	0	0	602
09:00	68	30	49	125	135	54	11	2	2	1	0	0	0	0	477
10:00	58	37	60	132	108	50	18	7	1	0	0	0	0	0	471
11:00	76	43	58	121	125	55	17	4	1	1	0	0	0	0	501
12 PM	72	37	83	183	130	39	5	2	1	0	0	0	0	0	552
13:00	72	48	90	161	145	39	13	1	1	0	0	0	0	0	570
14:00	78	47	91	158	116	54	19	4	0	0	0	0	0	0	567
15:00	57	48	82	160	115	43	11	3	2	0	0	0	0	0	521
16:00	72	42	104	179	153	32	6	2	1	0	0	0	0	0	591
17:00	88	36	91	199	97	28	5	0	0	0	0	0	0	0	544
18:00	65	28	82	213	135	51	14	0	0	2	0	0	0	0	590
19:00	38	15	71	135	124	45	13	1	1	0	0	0	0	0	443
20:00	9	7	39	116	120	38	4	2	1	0	0	0	0	0	336
21:00	10	7	26	108	102	41	7	1	0	1	0	0	0	0	303
22:00	8	7	14	64	78	26	12	2	0	0	0	0	0	0	211
23:00	8	2	7	20	21	15	3	1	0	0	0	0	0	0	77
Total	908	478	1093	2541	2356	1021	346	89	29	7	1	0	0	0	8869
Grand Total	917	480	1095	2553	2379	1035	352	89	29	7	1	0	0	0	8937

15th Percentile : 12 MPH
 50th Percentile : 27 MPH
 85th Percentile : 35 MPH
 95th Percentile : 40 MPH

Stats
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 4144
 Percent in Pace : 46.4%
 Number of Vehicles > 30 MPH : 3528
 Percent of Vehicles > 30 MPH : 39.5%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

7600 block of Georgia Ave NW SB Volume

Start Time	Sun	10-Nov-13	Mon	11-Nov-13	Tue	12-Nov-13	Daily Average	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	*	*	24	140	*	*	24	140
12:15	*	*	25	136	*	*	25	136
12:30	*	*	20	147	*	*	20	147
12:45	*	*	25	129	*	*	25	129
01:00	*	*	19	129	*	*	19	129
01:15	*	*	18	147	*	*	18	147
01:30	*	*	20	155	*	*	20	155
01:45	*	*	21	139	*	*	21	139
02:00	*	*	11	135	*	*	11	135
02:15	*	*	11	140	*	*	11	140
02:30	*	*	12	145	*	*	12	145
02:45	*	*	4	147	*	*	4	147
03:00	*	*	10	125	*	*	10	125
03:15	*	*	7	113	*	*	7	113
03:30	*	*	5	150	*	*	5	150
03:45	*	*	15	133	*	*	15	133
04:00	*	*	11	151	*	*	11	151
04:15	*	*	11	144	*	*	11	144
04:30	*	*	14	164	*	*	14	164
04:45	*	*	28	132	*	*	28	132
05:00	*	*	33	149	*	*	33	149
05:15	*	*	35	134	*	*	35	134
05:30	*	*	49	146	*	*	49	146
05:45	*	*	60	115	*	*	60	115
06:00	*	*	81	162	*	*	81	162
06:15	*	*	82	154	*	*	82	154
06:30	*	*	100	138	*	*	100	138
06:45	*	*	124	136	*	*	124	136
07:00	*	*	151	129	*	*	151	129
07:15	*	*	153	113	*	*	153	113
07:30	*	*	179	105	*	*	179	105
07:45	*	*	155	96	*	*	155	96
08:00	*	*	179	89	*	*	179	89
08:15	*	*	171	90	*	*	171	90
08:30	*	*	129	77	*	*	129	77
08:45	*	*	123	80	*	*	123	80
09:00	*	*	127	86	*	*	127	86
09:15	*	*	123	66	*	*	123	66
09:30	*	*	116	72	*	*	116	72
09:45	*	*	111	79	*	*	111	79
10:00	*	*	110	54	*	*	110	54
10:15	*	*	135	64	*	*	135	64
10:30	*	*	113	47	*	*	113	47
10:45	*	*	113	46	*	*	113	46
11:00	*	*	119	41	*	*	119	41
11:15	*	*	142	36	*	*	142	36
11:30	*	33	120	*	*	*	120	33
11:45	*	35	120	*	*	*	120	35
Total	0	68	3564	5305	0	0	3564	5373
Combined Total	68		8869		0		8937	
Peak			07:30	03:45			07:30	03:45
Vol.			684	592			684	592
P.H.F.			0.955	0.902			0.955	0.902
ADT	ADT 8,937		AADT 8,937					

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: GEORGIA AVE,NW From JUNIPER ST,NW TO SHEPHERD RD,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:	24	Right Angle:	3	12.5%	Fixed Object:	1	4.2%
Total Number of Fatalities:	0	Left Turn:	2	8.3%	Ran Off Road:	0	0.0%
Total Number of Injuries:	12	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of Disabling Injuries:	1	Rear End:	4	16.7%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	2	Side Swiped:	5	20.8%	Non Collision:	0	0.0%
Total Number of Pedestrians Involved:	0	Head On:	1	4.2%	Under/Over Ride:	0	0.0%
Total Number of Bicycles Involved:	0	Parked:	4	16.7%	Unspecified:	4	16.7%
Total Number of Motorcycles Involved:	0						

Time of Day	#ACC	%	Day o fweek	#ACC	%
07:30 ~ 09:30:	1	4.2%	Sunday:	5	20.8%
09:30 ~ 11:30:	2	8.3%	Monday:	3	12.5%
11:30 ~ 13:30:	2	8.3%	Tuesday:	3	12.5%
13:30 ~ 16:00:	5	20.8%	Wednesday:	1	4.2%
16:00 ~18:30:	7	29.2%	Thursday:	5	20.8%
18:30 ~ 07:30:	7	29.2%	Friday:	2	8.3%
Unspecified:	0	0.0%	Saturday:	5	20.8%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	17	70.8%	Dry:	17	70.8%
Rain:	3	12.5%	Wet:	4	16.7%
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:	4	16.7%	Unspecified:	3	12.5%

Type of Vehicle	#VEH	%	Accident Severity Type	#ACC	%
Passenger Car:	38	82.6%	Fatal Collision:	0	0.0%
Bus:	1	2.2%	Injury Collision:	9	37.5%
Truck:	1	2.2%	PDO Collision:	15	62.5%
Taxi:	3	6.5%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	13	54.2%
Motorcycle/Moped:	0	0.0%	Dawn/Dusk:	2	8.3%
Bicycle:	0	0.0%	Dark(Lighted):	6	25.0%
Fixed Object:	0	0.0%	Dark(Not Lighted):	0	0.0%
Unspecified:	3	6.5%	Dark(Unknown Lighting):	0	0.0%
			Unspecified:	3	12.5%

Contributing Factor	#VEH	%	Pedestrian Actions	#ACC	%
Driver: Speed:	1	2.2%	In Crosswalk with Signal:	0	0.0%
Driver: Alcohol/Drug:	1	2.2%	In Crosswalk against Signal:	0	0.0%
Driver: Electronic Device:	1	2.2%	In Crosswalk no Signal:	0	0.0%
Driver: Others:	11	23.9%	In Unmarked Crosswalk:	0	0.0%
Vehicle:	1	2.2%	Not in Crosswalk:	0	0.0%
Roadway:	0	0.0%	From Between Parked Cars:	0	0.0%
Unspecified:	31	67.4%	Unspecified:	0	0.0%

10 Records are not approved as of 9/15/2013 10:34:42 PM