



District Department of Transportation

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

700 Block 26th Street NE

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
5	507	5	5B	Proposed	700 Block 26 th Street Northeast Northbound



The *proposed* speed camera will be located in Ward 5 at the 700 block of 26th Street Northeast in the northbound direction. 26th Street Northeast runs between I Street Northeast to the north and Benning Road Northeast to the south. The proposed speed limit is 15 MPH.

W5 - 517





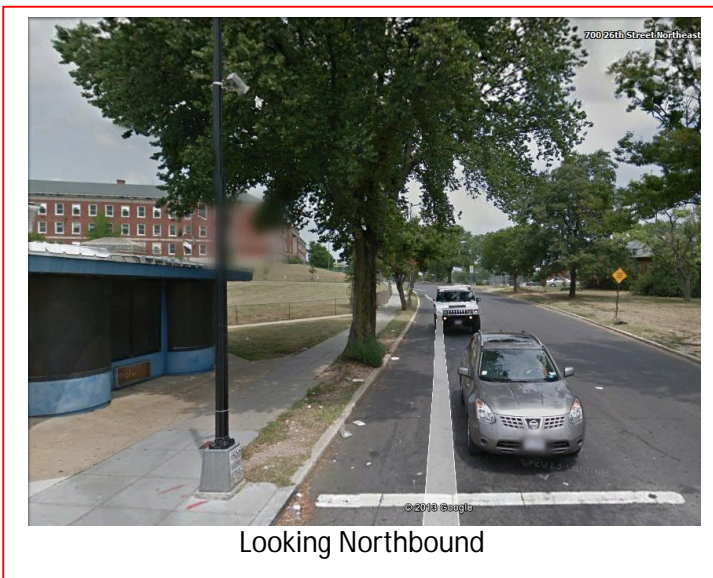
District Department of Transportation

700 Block 26th Street NE

Field Assessment Summary

26th Street Northeast is assumed to run in a north-south direction, and is classified as a local road. 26th Street has one travel lane in each direction. This site has the following characteristics:

- This is a residential area.
- There are five schools in the area: Spingarn High School, Browne Education Campus, Phelps ACE High School, Young Elementary School, and Friendship Public Charter School- Blow Pierce Jr Academy.
- Other site characteristics could not be determined due to ongoing construction.



Looking Northbound



District Department of Transportation

700 Block 26th Street NE



Looking Southbound

Speed Data Analysis

Posted Speed Limit (MPH)	25
Mean Speed (MPH)	14
85th Percentile Speed (MPH)	19
10 MPH Pace Speed	8-17
ADT	387

The mean speed is 11 MPH lower than the posted speed limit, and the 85th percentile speed is 6 MPH lower 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 16 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 crashes at this location were Rear End (6), Right Turn (2) and Side Swiped (2). Furthermore, this site experienced five injury-related crashes.

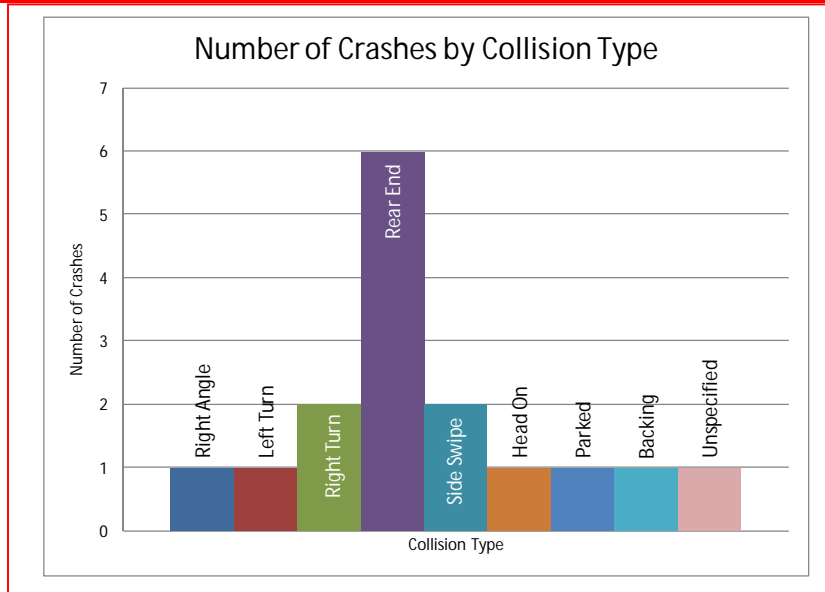
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District Department of Transportation

700 Block 26th Street NE

Severity			Weather			Surface condition			Light Condition		
Total	16										
Fatal	0	0.0%	Clear	14	87.5%	Dry	14	87.5%	Day	13	81.3%
Injury	5	31.3%	Rain	1	6.3%	Wet	1	6.3%	Night	3	18.8%
Bus	2	12.5%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Truck	2	12.5%									



Safety Nexus

This site presents the following safety considerations which support the nexus between traffic safety and the speed camera:

1. Speed Data – The mean and 85th percentile speeds were both lower than the posted speed limit at this location.
2. Crash Data – This site experienced five injury-related crashes.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - a. This is a residential area.
 - b. There are five schools in the area: Spingarn High School, Browne Education Campus, Phelps ACE High School, Young Elementary School, and Friendship Public Charter School- Blow Pierce Jr Academy.

Although the mean and 85th percentile speeds were both lower than the posted speed limit, the crash data analysis reveals a number of injury-related crashes at this area. Too, this site is located within a school zone,



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700 Block 26th Street NE

next to Spingarn High School, a major pedestrian generator in the area. Thus, due to the specific site characteristics of a residential area coupled with the proximity to a school zone, there is a nexus between traffic safety and the speed camera at this location.

W5 - 521

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

700 blk of 26th St NE NB Speed

NB

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
01/12/14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	6	1	1	0	0	0	0	0	0	0	0	0	0	0	8
19:00	1	0	3	0	0	0	0	0	0	0	0	0	0	0	4
20:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
21:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7	3	6	0	0	0	0	0	0	0	0	0	0	0	16

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

700 blk of 26th St NE NB Speed

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
01/13/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	3	6	0	0	0	0	0	0	0	0	0	0	0	0	9
07:00	4	5	0	0	0	0	0	0	0	0	0	0	0	0	9
08:00	18	12	0	0	0	0	0	0	0	0	0	0	0	0	30
09:00	2	3	1	0	0	0	0	0	0	0	0	0	0	0	6
10:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
11:00	13	9	4	1	0	0	0	0	0	0	0	0	0	0	27
12 PM	9	19	9	1	0	0	0	0	0	0	0	0	0	0	38
13:00	7	16	10	1	0	0	0	0	0	0	0	0	0	0	34
14:00	6	17	13	0	0	0	0	0	0	0	0	0	0	0	36
15:00	43	21	2	0	0	1	0	0	0	0	0	0	0	0	67
16:00	35	30	11	1	0	0	0	0	0	0	0	0	0	0	77
17:00	8	11	12	1	0	0	0	0	0	0	0	0	0	0	32
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	148	154	63	5	0	1	0	0	0	0	0	0	0	0	371
Grand Total	155	157	69	5	0	1	0	0	0	0	0	0	0	0	387

15th Percentile : 6 MPH
 50th Percentile : 13 MPH
 85th Percentile : 19 MPH
 95th Percentile : 23 MPH

Stats
 Mean Speed(Average) : 14 MPH
 10 MPH Pace Speed : 8-17 MPH
 Number in Pace : 205
 Percent in Pace : 53.0%
 Number of Vehicles > 25 MPH : 9
 Percent of Vehicles > 25 MPH : 2.3%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

700 blk of 26th St NE NB Volume

Start Time	Sun	12-Jan-14	Mon	13-Jan-14	Tue	14-Jan-14	Daily Average	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	*	*	0	14	*	*	0	14
12:15	*	*	0	9	*	*	0	9
12:30	*	*	0	7	*	*	0	7
12:45	*	*	0	8	*	*	0	8
01:00	*	*	0	6	*	*	0	6
01:15	*	*	0	13	*	*	0	13
01:30	*	*	0	5	*	*	0	5
01:45	*	*	0	10	*	*	0	10
02:00	*	*	0	9	*	*	0	9
02:15	*	*	1	9	*	*	1	9
02:30	*	*	0	8	*	*	0	8
02:45	*	*	0	10	*	*	0	10
03:00	*	*	0	18	*	*	0	18
03:15	*	*	0	20	*	*	0	20
03:30	*	*	0	17	*	*	0	17
03:45	*	*	0	12	*	*	0	12
04:00	*	*	0	18	*	*	0	18
04:15	*	*	0	19	*	*	0	19
04:30	*	*	0	17	*	*	0	17
04:45	*	*	0	23	*	*	0	23
05:00	*	*	0	9	*	*	0	9
05:15	*	*	0	14	*	*	0	14
05:30	*	*	0	7	*	*	0	7
05:45	*	*	0	2	*	*	0	2
06:00	*	7	0	*	*	*	0	7
06:15	*	0	0	*	*	*	0	0
06:30	*	0	0	*	*	*	0	0
06:45	*	1	9	*	*	*	9	1
07:00	*	0	5	*	*	*	5	0
07:15	*	2	1	*	*	*	1	2
07:30	*	2	2	*	*	*	2	2
07:45	*	0	1	*	*	*	1	0
08:00	*	1	4	*	*	*	4	1
08:15	*	0	6	*	*	*	6	0
08:30	*	1	13	*	*	*	13	1
08:45	*	0	7	*	*	*	7	0
09:00	*	0	1	*	*	*	1	0
09:15	*	1	2	*	*	*	2	1
09:30	*	1	1	*	*	*	1	1
09:45	*	0	2	*	*	*	2	0
10:00	*	0	0	*	*	*	0	0
10:15	*	0	1	*	*	*	1	0
10:30	*	0	3	*	*	*	3	0
10:45	*	0	1	*	*	*	1	0
11:00	*	0	3	*	*	*	3	0
11:15	*	0	6	*	*	*	6	0
11:30	*	0	11	*	*	*	11	0
11:45	*	0	7	*	*	*	7	0
Total	0	16	87	284	0	0	87	300
Combined Total	16		371		0		387	
Peak		06:00	08:00	04:00			08:00	04:00
Vol.		8	30	77			30	77
P.H.F.		0.286	0.577	0.837			0.577	0.837
ADT		ADT 387	AADT 387					

Accident Summary Report (R-8)

Corridor: 26TH ST,NE From BENNING RD,NE TO I ST,NE

Time Period Covered: From 01/01/2010 To 12/31/2012

Prepared By: Rahul Jain

Prepared Date: 9/16/2013

Total Number of Accident:	16	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	1	6.3%	Fixed Object:	0	0.0%
Total Number of Injuries:	8	Left Turn:	1	6.3%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	0	Right Turn:	2	12.5%	Ped. Involved:	0	0.0%
Total Number of NonDisabling Injuries:	1	Rear End:	6	37.5%	Backing:	1	6.3%
Total Number of Pedestrians Involved:	1	Side Swiped:	2	12.5%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	0	Head On:	1	6.3%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	0	Parked:	1	6.3%	Unspecified:	1	6.3%
Time of Day				Day of week			
	#ACC	%			#ACC	%	
07:30 ~ 09:30:	1	6.3%		Sunday:	2	12.5%	
09:30 ~ 11:30:	2	12.5%		Monday:	0	0.0%	
11:30 ~ 13:30:	3	18.8%		Tuesday:	4	25.0%	
13:30 ~ 16:00:	4	25.0%		Wednesday:	3	18.8%	
16:00 ~ 18:30:	3	18.8%		Thursday:	1	6.3%	
18:30 ~ 07:30:	3	18.8%		Friday:	3	18.8%	
Unspecified:	0	0.0%		Saturday:	3	18.8%	
Weather Condition				Surface Condition			
	#ACC	%			#ACC	%	
Clear:	14	87.5%		Dry:	14	87.5%	
Rain:	1	6.3%		Wet:	1	6.3%	
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:	1	6.3%		Unspecified:	1	6.3%	
Type of Vehicle				Accident Severity Type			
	#VEH	%			#ACC	%	
Passenger Car:	22	71.0%		Fatal Collision:	0	0.0%	
Bus:	2	6.5%		Injury Collision:	5	31.3%	
Truck:	2	6.5%		PDO Collision:	11	68.8%	
Taxi:	0	0.0%		Light Condition			
Minivan:	0	0.0%			#ACC	%	
Police/Emergency Vehicle:	0	0.0%		Daylight:	13	81.3%	
Motorcycle/Moped:	0	0.0%		Dawn/Dusk:	0	0.0%	
Bicycle:	0	0.0%		Dark(Lighted):	3	18.8%	
Fixed Object:	0	0.0%		Dark(Not Lighted):	0	0.0%	
Unspecified:	5	16.1%		Dark(Unknown Lighting):	0	0.0%	
				Unspecified:	0	0.0%	
Contributing Factor				Pedestrian Actions			
	#VEH	%			#ACC	%	
Driver: Speed:	1	3.2%		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:	1	100.0%	
Driver: Others:	7	22.6%		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:	23	74.2%		Unspecified:	0	0.0%	

11 Records are not approved as of 9/16/2013 10:00:09 AM