



District Department of Transportation

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

4300 Block Texas Avenue SE

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
6	605	7	7A	Proposed	4300 Block Texas Avenue Southeast, Southbound



The *proposed* speed camera will be located in Ward 7 at the 4300 block of Texas Avenue Southeast in the southbound direction. Texas Avenue Southeast runs between East Capitol Street Southeast to the north and Ridge Road Southeast to the south. The posted speed limit is 25 MPH.

W7 - 434





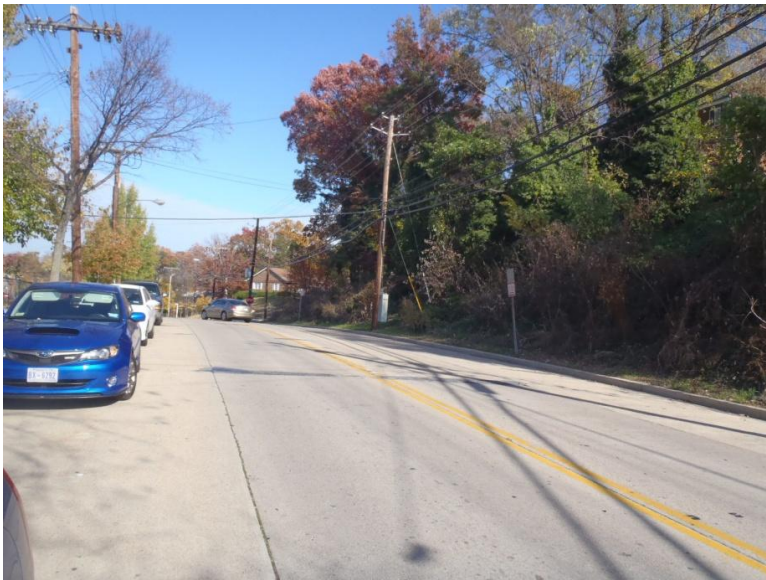
District Department of Transportation

4300 Block Texas Avenue SE

Field Assessment Summary

Texas Avenue Southeast is assumed to run in a north-south direction and is classified as a collector. Texas Avenue Southeast has one travel lane in each direction. This site has the following characteristics:

- This is a residential area with houses and driveways.
- There are three schools in the area: John Phillip Sousa Middle School, Cornerstone Schools of Washington, DC and Our Lady Queen of Peace School.
- Fort Dupont Park is close by and has bike trails going through it which generate pedestrian activity.
- 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 is a downgrade slope in the southbound direction.
- There are multiple bus stops in the area that generate pedestrian activity.



Looking Northbound

W7 - 435



District Department of Transportation

4300 Block Texas Avenue SE



Looking Southbound

Speed Data Analysis

Posted Speed Limit (MPH)	25
Mean Speed (MPH)	20
85th Percentile Speed (MPH)	27
10 MPH Pace Speed	20-29
ADT	3,388

The mean speed is 5 MPH lower than the posted speed limit, and the 85th percentile speed is 2 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 13 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 Right Angle, Left Turn, Side Swipe, and Head On (3 crashes each). The other collision types had 1 crash or less each. There were 2 crashes where vehicular speeding was the contributing factor. Furthermore, the site experienced 6 injury-related crashes.

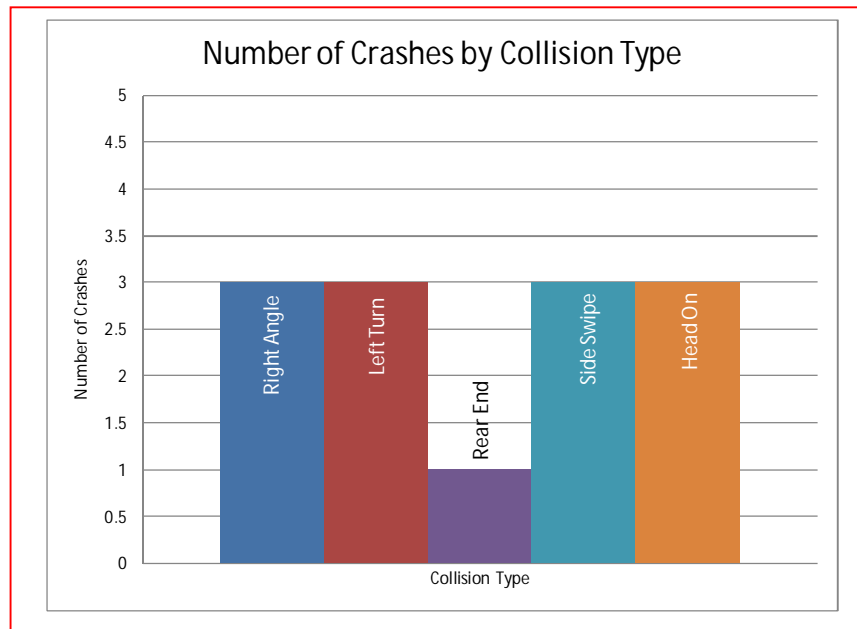
W7 - 436



District Department of Transportation

4300 Block Texas Avenue SE

Severity			Weather			Surface condition			Light Condition		
Total	13										
Fatal	0	0.0%	Clear	8	61.5%	Dry	8	61.5%	Day	7	53.8%
Injury	6	46.2%	Rain	4	30.8%	Wet	4	30.8%	Night	6	46.2%
Bus	2	15.4%	Snow	1	7.7%	Snow/Ice	1	7.7%			
Truck	1	7.7%									



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 location experienced 6 injury-related crashes.
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 three schools in the area: John Phillip Sousa Middle School, Cornerstone Schools of Washington, DC and Our Lady Queen of Peace School.
 - c. There are several bus stops in the area which generate pedestrian activity.
 - d. Fort Dupont Park is close by and has bike trails going through it which generate pedestrian activity.

W7 - 437



District Department of Transportation

4300 Block Texas Avenue SE

- 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

4300 Block of Texas Avenue SE, 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
12/11/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	12	18	79	41	3	0	0	0	0	0	0	0	0	0	153
21:00	13	12	39	29	10	2	0	0	0	0	0	0	0	0	105
22:00	21	10	33	23	3	0	0	0	0	0	0	0	0	0	90
23:00	12	12	19	18	4	1	0	0	0	0	0	0	0	0	66
Total	58	52	170	111	20	3	0	0	0	0	0	0	0	0	414

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

4300 Block of Texas Avenue SE, SB Speed

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/13	14	5	12	9	1	0	0	0	0	0	0	0	0	0	41
01:00	7	2	14	4	1	0	0	0	0	0	0	0	0	0	28
02:00	6	1	6	4	0	0	0	0	0	0	0	0	0	0	17
03:00	4	1	7	6	2	0	0	0	0	0	0	0	0	0	20
04:00	3	5	12	5	1	0	0	0	0	0	0	0	0	0	26
05:00	14	10	23	17	0	0	0	0	0	0	0	0	0	0	64
06:00	31	13	50	27	3	0	0	0	0	0	0	0	0	0	124
07:00	53	32	101	81	10	0	0	0	0	0	0	0	0	0	277
08:00	31	31	103	70	8	2	0	0	0	0	0	0	0	0	245
09:00	53	22	72	54	11	0	0	0	0	0	0	0	0	0	212
10:00	45	18	71	42	9	0	0	0	0	0	0	0	0	0	185
11:00	18	13	63	39	9	0	0	0	0	0	0	0	0	0	142
12 PM	16	16	55	45	15	0	0	0	0	0	0	0	0	0	147
13:00	12	17	71	62	8	1	0	0	0	0	0	0	0	0	171
14:00	10	18	73	48	13	1	0	0	0	0	0	0	0	0	163
15:00	18	36	121	72	13	0	0	0	0	0	0	0	0	0	260
16:00	12	20	100	76	8	0	0	0	0	0	0	0	0	0	216
17:00	25	28	127	53	10	0	0	0	0	0	0	0	0	0	243
18:00	23	12	104	50	3	0	0	0	0	0	0	0	0	0	192
19:00	45	24	94	51	7	0	0	0	0	0	0	0	0	0	221
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	440	324	1279	815	132	4	0	0	0	0	0	0	0	0	2994
Grand Total	498	376	1449	926	152	7	0	0	0	0	0	0	0	0	3408

15th Percentile : 9 MPH
 50th Percentile : 21 MPH
 85th Percentile : 27 MPH
 95th Percentile : 30 MPH

Stats
 Mean Speed(Average) : 20 MPH
 10 MPH Pace Speed : 20-29 MPH
 Number in Pace : 1869
 Percent in Pace : 54.8%
 Number of Vehicles > 25 MPH : 979
 Percent of Vehicles > 25 MPH : 28.7%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

4300 Block of Texas Avenue SE, SB Volume

Start Time	Wed	11-Dec-13	Thu	12-Dec-13	Fri	13-Dec-13	Daily Average	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	*	*	12	36	*	*	12	36
12:15	*	*	14	42	*	*	14	42
12:30	*	*	3	39	*	*	3	39
12:45	*	*	12	30	*	*	12	30
01:00	*	*	11	36	*	*	11	36
01:15	*	*	9	39	*	*	9	39
01:30	*	*	5	43	*	*	5	43
01:45	*	*	3	53	*	*	3	53
02:00	*	*	2	33	*	*	2	33
02:15	*	*	5	40	*	*	5	40
02:30	*	*	7	43	*	*	7	43
02:45	*	*	3	47	*	*	3	47
03:00	*	*	4	66	*	*	4	66
03:15	*	*	4	70	*	*	4	70
03:30	*	*	7	63	*	*	7	63
03:45	*	*	5	61	*	*	5	61
04:00	*	*	4	43	*	*	4	43
04:15	*	*	7	55	*	*	7	55
04:30	*	*	9	60	*	*	9	60
04:45	*	*	6	58	*	*	6	58
05:00	*	*	9	53	*	*	9	53
05:15	*	*	9	62	*	*	9	62
05:30	*	*	32	64	*	*	32	64
05:45	*	*	14	64	*	*	14	64
06:00	*	*	17	52	*	*	17	52
06:15	*	*	24	38	*	*	24	38
06:30	*	*	38	56	*	*	38	56
06:45	*	*	45	46	*	*	45	46
07:00	*	*	61	66	*	*	61	66
07:15	*	*	57	63	*	*	57	63
07:30	*	*	71	42	*	*	71	42
07:45	*	*	88	50	*	*	88	50
08:00	*	41	73	2	*	*	73	22
08:15	*	45	62	*	*	*	62	45
08:30	*	41	59	*	*	*	59	41
08:45	*	26	51	*	*	*	51	26
09:00	*	34	58	*	*	*	58	34
09:15	*	22	61	*	*	*	61	22
09:30	*	34	52	*	*	*	52	34
09:45	*	15	41	*	*	*	41	15
10:00	*	15	56	*	*	*	56	15
10:15	*	25	52	*	*	*	52	25
10:30	*	30	40	*	*	*	40	30
10:45	*	20	37	*	*	*	37	20
11:00	*	18	41	*	*	*	41	18
11:15	*	15	42	*	*	*	42	15
11:30	*	17	25	*	*	*	25	17
11:45	*	16	34	*	*	*	34	16
Total	0	414	1381	1615	0	0	1381	2008
Combined Total	414		2996		0		3389	
Peak	08:00		07:30	03:00			07:30	03:00
Vol.	153		294	260			294	260
P.H.F.	0.850		0.835	0.929			0.835	0.929
ADT	ADT 3,388		AADT 3,388					

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: TEXAS AVE,SE From ADRIAN ST,SE TO FORT DAVIS DR,SE

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:	13	Right Angle:	3	23.1%	Fixed Object:	0	0.0%
Total Number of Fatalities:	0	Left Turn:	3	23.1%	Ran Off Road:	0	0.0%
Total Number of Injuries:	10	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of Disabling Injuries:	0	Rear End:	1	7.7%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	0	Side Swiped:	3	23.1%	Non Collision:	0	0.0%
Total Number of Pedestrians Involved:	0	Head On:	3	23.1%	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	%
07:30 ~ 09:30:	3	23.1%
09:30 ~ 11:30:	2	15.4%
11:30 ~ 13:30:	0	0.0%
13:30 ~ 16:00:	1	7.7%
16:00 ~18:30:	2	15.4%
18:30 ~ 07:30:	5	38.5%
Unspecified:	0	0.0%

Day o fweek	#ACC	%
Sunday:	3	23.1%
Monday:	3	23.1%
Tuesday:	3	23.1%
Wednesday:	2	15.4%
Thursday:	1	7.7%
Friday:	1	7.7%
Saturday:	0	0.0%

Weather Condition	#ACC	%
Clear:	8	61.5%
Rain:	4	30.8%
Snow:	1	7.7%
Sleet/Hail:	0	0.0%
Fog/Mist:	0	0.0%
Crosswind/Blowing Sand:	0	0.0%
Unspecified:	0	0.0%

Surface Condition	#ACC	%
Dry:	8	61.5%
Wet:	4	30.8%
Snow/Ice:	1	7.7%
Slush:	0	0.0%
Water/Sand:	0	0.0%
Repairing:	0	0.0%
Unspecified:	0	0.0%

Type of Vehicle	#VEH	%
Passenger Car:	23	85.2%
Bus:	2	7.4%
Truck:	1	3.7%
Taxi:	0	0.0%
Minivan:	0	0.0%
Police/Emergency Vehicle:	0	0.0%
Motorcycle/Moped:	1	3.7%
Bicycle:	0	0.0%
Fixed Object:	0	0.0%
Unspecified:	0	0.0%

Accident Severity Type	#ACC	%
Fatal Collision:	0	0.0%
Injury Collision:	6	46.2%
PDO Collision:	7	53.8%

Light Condition	#ACC	%
Daylight:	7	53.8%
Dawn/Dusk:	0	0.0%
Dark(Lighted):	6	46.2%
Dark(Not Lighted):	0	0.0%
Dark(Unknown Lighting):	0	0.0%
Unspecified:	0	0.0%

Contributing Factor	#VEH	%
Driver: Speed:	2	7.4%
Driver: Alcohol/Drug:	0	0.0%
Driver: Electronic Device:	0	0.0%
Driver: Others:	5	18.5%
Vehicle:	0	0.0%
Roadway:	1	3.7%
Unspecified:	19	70.4%

Pedestrian Actions	#ACC	%
In Crosswalk with Signal:	0	0.0%
In Crosswalk against Signal:	0	0.0%
In Crosswalk no Signal:	0	0.0%
In Unmarked Crosswalk:	0	0.0%
Not in Crosswalk:	0	0.0%
From Between Parked Cars:	0	0.0%
Unspecified:	0	0.0%

6 Records are not approved as of 9/15/2013 2:46:20 PM