



District Department of Transportation

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

2600 Block Lincoln Road NE

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
5	502	5	5C	Proposed	2600 Block Lincoln Road Northeast Northbound



This *proposed* speed camera will be located in Ward 5 at the 2600 block of Lincoln Road Northeast in the northbound direction. Lincoln Road runs between 4th Street Northeast to the north and Florida Avenue Northeast to the south. The posted speed limit is 25 MPH.

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District Department of Transportation

2600 Block Lincoln Road NE

Field Assessment Summary

Lincoln Road is assumed to run in the north-south direction, and is classified as a minor arterial. Lincoln Road has two travel lanes northbound and one travel lane southbound. This site has the following characteristics:

- There is a cemetery on the west side of the street.
- There are two schools in the area: Alice and Ernestine Shaed Elementary School and Trinity Washington University.
- Edgewood Playground is on the east side of the street.
- There is a brick island and traffic signals with crosswalks at Franklin St.
- There is sidewalk on the east side of the street and a stone wall on the west side of the street.
- There is on-street parking on the east side of the street.
- The pavement is in good condition and there is curb and gutter with drainage inlets.



Looking Northbound

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2600 Block Lincoln Road NE



Looking Southbound

Speed Data Analysis

Posted Speed Limit (MPH)	25
Mean Speed (MPH)	25
85th Percentile Speed (MPH)	29
10 MPH Pace Speed (MPH)	22-31
ADT	3,951

The mean speed is the same as the posted speed limit and the 85th percentile speed is higher than the posted speed by 4 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 11 crashes at this location. A breakdown of collision type can be found in the chart on the next page. The most common type of collision at this location was Rear End with five crashes. Each of the other collision types had one crash or less.

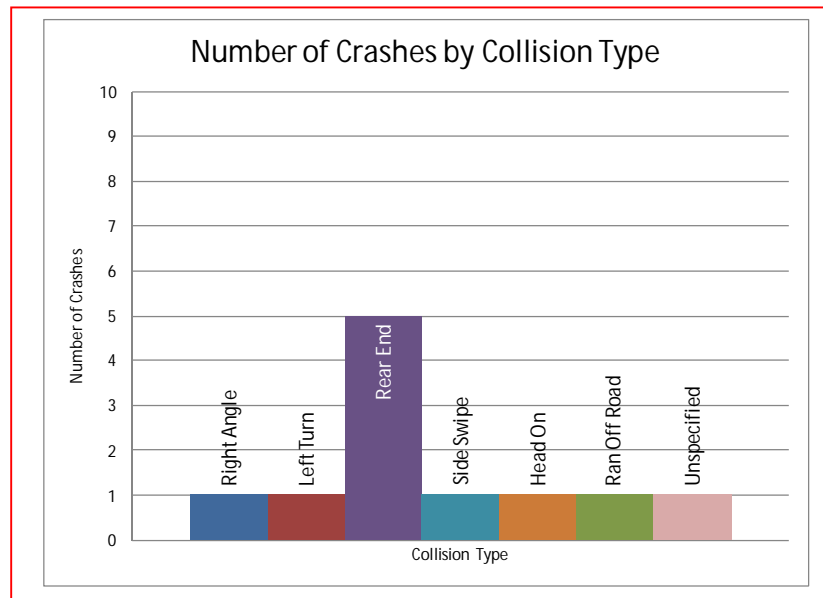
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2600 Block Lincoln Road NE

Severity			Weather			Surface condition			Light Condition		
Total	11										
Fatal	1	9.1%	Clear	8	72.7%	Dry	9	81.8%	Day	7	63.6%
Injury	2	18.2%	Rain	2	18.2%	Wet	2	18.2%	Night	3	27.3%
Truck	1	9.1%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Taxi	1	9.1%									



Safety Nexus

This site presents the following safety considerations which may support the 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 – 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. There are two schools in the area: Alice and Ernestine Shaed Elementary School and Trinity Washington University.
 - b. Edgewood Playground is in the area which generates pedestrian and bicycle activity.
 - c. There are multiple bus stops in the area which generate pedestrian activity.
 - d. There is on-street parking on the east side of the street.



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Although the crash data analysis showed a low number of crashes at this location, 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.

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SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2600 block of Lincoln Rd 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
11/15/13	3	0	16	25	4	1	0	0	0	0	0	0	0	0	49
01:00	3	1	11	17	2	1	0	0	0	0	0	0	0	0	35
02:00	3	1	15	13	3	1	0	0	0	0	0	0	0	0	36
03:00	0	0	12	8	1	0	0	0	0	0	0	0	0	0	21
04:00	5	1	4	4	2	0	0	0	0	0	0	0	0	0	16
05:00	5	1	7	28	1	1	0	0	0	0	0	0	0	0	43
06:00	4	3	45	56	9	2	0	0	0	0	0	0	0	0	119
07:00	1	2	65	74	10	0	0	0	0	0	0	0	0	0	152
08:00	4	8	69	78	2	0	0	0	0	0	0	0	0	0	161
09:00	2	4	45	79	15	1	0	0	0	0	0	0	0	0	146
10:00	2	2	43	92	13	0	0	0	0	0	0	0	0	0	152
11:00	2	2	77	74	7	0	0	0	0	0	0	0	0	0	162
12 PM	4	5	52	102	13	1	0	0	0	0	0	0	0	0	177
13:00	6	3	59	105	16	1	0	0	0	0	0	0	0	0	190
14:00	9	2	56	136	16	1	0	0	0	0	0	0	0	0	220
15:00	8	1	102	180	23	1	0	0	0	0	0	0	0	0	315
16:00	4	5	133	216	21	1	0	0	0	0	0	0	0	0	380
17:00	10	18	189	187	8	2	0	0	0	0	0	0	0	0	414
18:00	6	11	145	148	19	1	0	0	0	0	0	0	0	0	330
19:00	1	3	71	96	10	2	0	0	0	0	0	0	0	0	183
20:00	2	3	62	80	17	1	0	0	0	0	0	0	0	0	165
21:00	6	3	59	79	16	0	0	0	0	0	0	0	0	0	163
22:00	6	7	83	81	10	0	0	0	0	0	0	0	0	0	187
23:00	4	3	68	57	2	1	0	0	0	0	0	0	0	0	135
Total	100	89	1488	2015	240	19	0	0	0	0	0	0	0	0	3951
Grand Total	100	89	1488	2015	240	19	0	0	0	0	0	0	0	0	3951

15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 31 MPH

Stats
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 22-31 MPH
 Number in Pace : 3031
 Percent in Pace : 76.7%
 Number of Vehicles > 25 MPH : 2143
 Percent of Vehicles > 25 MPH : 54.2%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2600 block of Lincoln Rd NE NB Volume

Start Time	Fri 15-Nov-13		Sat 16-Nov-13		Sun 17-Nov-13		Daily Average	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	15	48	*	*	*	*	15	48
12:15	12	35	*	*	*	*	12	35
12:30	10	33	*	*	*	*	10	33
12:45	12	61	*	*	*	*	12	61
01:00	8	47	*	*	*	*	8	47
01:15	5	50	*	*	*	*	5	50
01:30	14	48	*	*	*	*	14	48
01:45	8	45	*	*	*	*	8	45
02:00	13	54	*	*	*	*	13	54
02:15	8	54	*	*	*	*	8	54
02:30	12	57	*	*	*	*	12	57
02:45	3	55	*	*	*	*	3	55
03:00	9	68	*	*	*	*	9	68
03:15	4	82	*	*	*	*	4	82
03:30	3	83	*	*	*	*	3	83
03:45	5	82	*	*	*	*	5	82
04:00	3	87	*	*	*	*	3	87
04:15	2	96	*	*	*	*	2	96
04:30	5	102	*	*	*	*	5	102
04:45	6	95	*	*	*	*	6	95
05:00	3	106	*	*	*	*	3	106
05:15	14	110	*	*	*	*	14	110
05:30	14	110	*	*	*	*	14	110
05:45	12	88	*	*	*	*	12	88
06:00	17	111	*	*	*	*	17	111
06:15	33	82	*	*	*	*	33	82
06:30	32	72	*	*	*	*	32	72
06:45	37	65	*	*	*	*	37	65
07:00	27	45	*	*	*	*	27	45
07:15	36	52	*	*	*	*	36	52
07:30	38	49	*	*	*	*	38	49
07:45	51	37	*	*	*	*	51	37
08:00	36	50	*	*	*	*	36	50
08:15	43	42	*	*	*	*	43	42
08:30	34	35	*	*	*	*	34	35
08:45	48	38	*	*	*	*	48	38
09:00	40	36	*	*	*	*	40	36
09:15	34	39	*	*	*	*	34	39
09:30	36	50	*	*	*	*	36	50
09:45	36	38	*	*	*	*	36	38
10:00	51	45	*	*	*	*	51	45
10:15	33	61	*	*	*	*	33	61
10:30	37	44	*	*	*	*	37	44
10:45	31	37	*	*	*	*	31	37
11:00	42	40	*	*	*	*	42	40
11:15	35	29	*	*	*	*	35	29
11:30	54	33	*	*	*	*	54	33
11:45	31	33	*	*	*	*	31	33
Total	1092	2859	0	0	0	0	1092	2859
Combined Total	3951		0		0		3951	
Peak	07:30	04:45					07:30	04:45
Vol.	168	421					168	421
P.H.F.	0.824	0.957					0.824	0.957
ADT	ADT 3,951		AADT 3,951					

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: LINCOLN RD,NE From FRANKLIN ST,NE TO DOUGLAS ST,NE

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

Prepared By: Rahul Jain

Prepared Date: 9/16/2013

		Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Accident:	11	Right Angle:	1	9.1%	Fixed Object:	0	0.0%
Total Number of Fatalities:	1	Left Turn:	1	9.1%	Ran Off Road:	1	9.1%
Total Number of Injuries:	10	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of Disabling Injuries:	0	Rear End:	5	45.5%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	1	Side Swiped:	1	9.1%	Non Collision:	0	0.0%
Total Number of Pedestrians Involved:	1	Head On:	1	9.1%	Under/Over Ride:	0	0.0%
Total Number of Bicycles Involved:	0	Parked:	0	0.0%	Unspecified:	1	9.1%
Total Number of Motorcycles Involved:	0						

Time of Day	#ACC	%
07:30 ~ 09:30:	1	9.1%
09:30 ~ 11:30:	1	9.1%
11:30 ~ 13:30:	0	0.0%
13:30 ~ 16:00:	3	27.3%
16:00 ~18:30:	2	18.2%
18:30 ~ 07:30:	4	36.4%
Unspecified:	0	0.0%

Day o fweek	#ACC	%
Sunday:	2	18.2%
Monday:	1	9.1%
Tuesday:	2	18.2%
Wednesday:	2	18.2%
Thursday:	1	9.1%
Friday:	3	27.3%
Saturday:	0	0.0%

Weather Condition	#ACC	%
Clear:	8	72.7%
Rain:	2	18.2%
Snow:	0	0.0%
Sleet/Hail:	0	0.0%
Fog/Mist:	0	0.0%
Crosswind/Blowing Sand:	0	0.0%
Unspecified:	1	9.1%

Surface Condition	#ACC	%
Dry:	9	81.8%
Wet:	2	18.2%
Snow/Ice:	0	0.0%
Slush:	0	0.0%
Water/Sand:	0	0.0%
Repairing:	0	0.0%
Unspecified:	0	0.0%

Type of Vehicle	#VEH	%
Passenger Car:	15	71.4%
Bus:	0	0.0%
Truck:	1	4.8%
Taxi:	1	4.8%
Minivan:	0	0.0%
Police/Emergency Vehicle:	0	0.0%
Motorcycle/Moped:	0	0.0%
Bicycle:	0	0.0%
Fixed Object:	0	0.0%
Unspecified:	4	19.0%

Accident Severity Type	#ACC	%
Fatal Collision:	1	9.1%
Injury Collision:	2	18.2%
PDO Collision:	8	72.7%

Light Condition	#ACC	%
Daylight:	7	63.6%
Dawn/Dusk:	0	0.0%
Dark(Lighted):	2	18.2%
Dark(Not Lighted):	1	9.1%
Dark(Unknown Lighting):	0	0.0%
Unspecified:	1	9.1%

Contributing Factor	#VEH	%
Driver: Speed:	0	0.0%
Driver: Alcohol/Drug:	0	0.0%
Driver: Electronic Device:	0	0.0%
Driver: Others:	4	19.0%
Vehicle:	0	0.0%
Roadway:	2	9.5%
Unspecified:	15	71.4%

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:	1	100.0%

8 Records are not approved as of 9/16/2013 8:36:57 AM