



District Department of Transportation

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

1900 Block Foxhall Road NW S/B

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	205	3	3D	Proposed	1900 Block Foxhall Road Northwest Southbound



This *proposed* speed camera will be located in Ward 3 at the 1900 block of Foxhall Road Northwest in the southbound direction. Foxhall Road runs from Nebraska Avenue Northwest in the north to Canal Street Northwest in the south. The posted speed limit is 25 MPH.

W3 - 454





District Department of Transportation

1900 Block Foxhall Road NW S/B

Field Assessment Summary

Foxhall Road is assumed to run in a North-South direction, and is classified as a minor arterial. Foxhall Road has one travel lane in each direction. This site has the following characteristics:

- This site is located in a residential area with houses and driveways on the eastern side of the road and in the surrounding area.
- There is a median grass island and sidewalks on both sides with curb, gutter, and drainage inlets.
- The existing pavement is in good condition.
- Two schools are in the area: The George Washington University Mt. Vernon Campus and The Field School. Recreational facilities for the University are also in the area.



Facing Southbound Direction

W3 - 455



District Department of Transportation

1900 Block Foxhall Road NW S/B



Facing North

Speed Data Analysis

	Northbound	Southbound
Posted Speed Limit (MPH)	25	25
Mean Speed (MPH)	27	27
85th Percentile Speed (MPH)	35	37
10 MPH Pace Speed	27-36	29-38
Sample Size	6,532	6,309
ADT	12,841	

The mean speed is 2 MPH higher than the posted speed limit in both directions and the 85th percentile speed is 10 MPH higher than the posted speed limit in the northbound direction and 12 MPH higher in the southbound direction. Due to the residential nature, this location may benefit from additional speed enforcement.

Crash Data Analysis

Between January 1, 2010 and December 31, 2012, there were a total of 10 crashes at this location. A breakdown of number of crashes by collision type can be found in the chart below. The most common types of crash were Rear End (3 crashes). There were two crashes each of types Left Turn, Head On, and Unspecified.

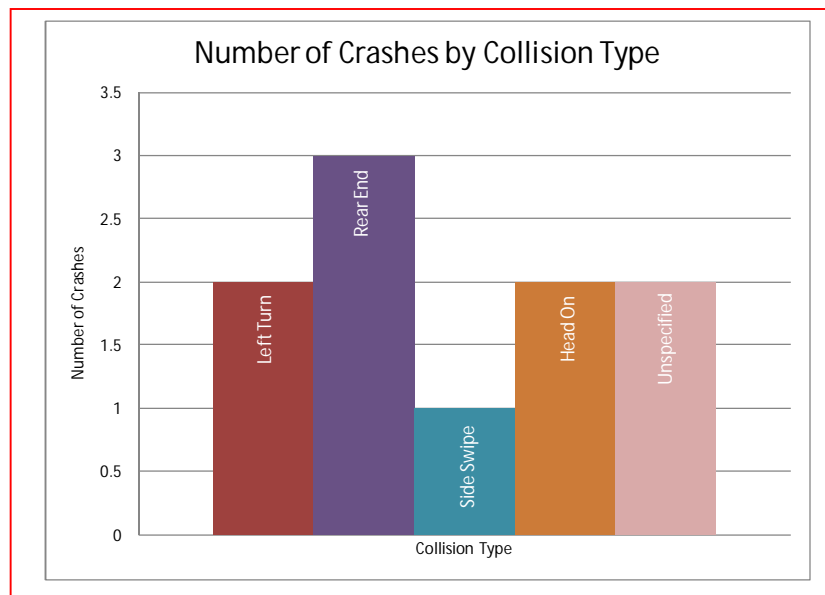
W3 - 456



District Department of Transportation

1900 Block Foxhall Road NW S/B

Severity			Weather			Surface condition			Light Condition		
Total	10										
Fatal	0	0.0%	Clear	8	80.0%	Dry	8	80.0%	Day	5	50.0%
Injury	2	20.0%	Rain	0	0.0%	Wet	0	0.0%	Night	3	30.0%
Taxi	1	10.0%	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 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 the eastern side of the road and in the surrounding area.
 - b. This site is located adjacent to a college campus, George Washington University Mt. Vernon campus, and is in the area of one other school, The Field School.

W3 - 457



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1900 Block Foxhall Road NW S/B

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.

W3 - 458

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

1900 block of Foxhall RD NW 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
11/06/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	13	2	2	21	66	59	21	1	0	0	0	0	0	0	185
07:00	46	10	18	99	196	91	12	1	1	0	0	0	0	0	474
08:00	157	49	60	135	152	79	11	2	2	0	0	0	0	0	647
09:00	36	2	13	76	204	100	20	3	0	0	0	0	0	0	454
10:00	10	3	13	53	131	61	21	2	0	0	0	0	0	0	294
11:00	24	1	10	54	113	75	17	3	1	0	0	0	0	0	298
12 PM	13	0	9	38	115	93	27	3	2	0	0	0	0	0	300
13:00	22	1	11	43	121	109	18	0	2	0	0	0	0	0	327
14:00	23	1	9	45	173	94	18	4	0	0	0	0	0	1	368
15:00	70	23	64	87	104	55	9	3	0	1	1	0	0	0	417
16:00	182	48	56	95	58	16	4	0	0	0	0	0	0	0	459
17:00	193	56	48	93	45	13	3	1	0	0	0	0	0	0	452
18:00	75	15	58	87	108	45	7	1	0	0	0	0	0	0	396
19:00	25	1	5	66	118	64	23	3	0	0	0	0	0	0	305
20:00	9	0	4	36	137	74	8	1	0	0	0	0	0	0	269
21:00	2	1	2	40	106	57	19	4	1	0	0	0	0	0	232
22:00	4	0	3	20	90	58	11	2	1	0	0	0	0	0	189
23:00	1	0	3	12	32	28	6	1	0	0	0	0	0	0	83
Total	905	213	388	1100	2069	1171	255	35	10	1	1	0	0	1	6149

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11/07/13	0	0	2	4	9	13	10	2	0	0	0	0	0	0	40
01:00	1	0	0	6	5	6	3	1	0	0	0	0	0	0	22
02:00	0	0	0	2	3	6	5	0	0	0	0	0	0	0	16
03:00	0	0	0	1	2	2	3	0	0	0	0	0	0	0	8
04:00	0	0	0	5	4	5	5	1	0	0	0	0	0	0	20
05:00	1	0	0	9	16	19	5	2	2	0	0	0	0	0	54
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	2	0	2	27	39	51	31	6	2	0	0	0	0	0	160
Grand Total	907	213	390	1127	2108	1222	286	41	12	1	1	0	0	1	6309

15th Percentile : 9 MPH
50th Percentile : 29 MPH
85th Percentile : 37 MPH
95th Percentile : 40 MPH

Stats
Mean Speed(Average) : 27 MPH
10 MPH Pace Speed : 29-38 MPH
Number in Pace : 2908
Percent in Pace : 46.1%
Number of Vehicles > 25 MPH : 4161
Percent of Vehicles > 25 MPH : 66.0%

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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
11/06/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	21	3	18	81	132	48	16	1	0	0	0	0	0	0	320
07:00	60	3	28	115	178	64	14	1	0	0	0	0	0	0	463
08:00	65	0	13	94	179	69	8	1	0	0	0	0	0	0	429
09:00	48	4	14	127	165	57	11	2	0	0	0	0	0	0	428
10:00	25	5	24	100	117	40	11	1	2	0	0	0	0	0	325
11:00	31	5	18	97	137	30	6	1	0	0	0	0	0	0	325
12 PM	32	0	27	102	112	41	10	0	0	0	0	0	0	0	324
13:00	36	2	22	97	149	36	6	2	0	0	0	0	0	0	350
14:00	40	2	26	190	159	36	5	2	0	0	0	0	0	0	460
15:00	56	2	28	116	166	54	7	0	0	0	0	0	0	0	429
16:00	66	3	18	102	175	46	6	0	0	0	0	0	0	0	416
17:00	70	4	33	168	169	39	6	0	0	0	0	0	0	0	489
18:00	38	5	31	193	156	33	8	0	0	0	0	0	0	0	464
19:00	24	2	26	178	106	23	7	0	0	0	0	0	0	0	366
20:00	19	1	18	89	79	23	4	0	0	0	0	0	0	0	233
21:00	13	0	19	92	95	15	0	0	0	0	0	0	0	0	234
22:00	11	2	19	61	62	19	4	2	1	0	0	0	0	0	181
23:00	2	2	9	17	18	13	0	0	0	0	0	0	0	0	61
Total	657	45	391	2019	2354	686	129	13	3	0	0	0	0	0	6297

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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
11/07/13	2	0	2	8	14	3	3	0	0	0	0	0	0	0	32
01:00	1	1	2	8	5	3	0	0	0	0	0	0	0	0	20
02:00	0	0	3	2	5	4	0	0	0	0	0	0	0	0	14
03:00	0	1	0	9	4	4	1	0	0	0	0	0	0	0	19
04:00	0	1	1	9	14	6	2	0	0	0	0	0	0	0	33
05:00	1	0	3	25	54	27	4	3	0	0	0	0	0	0	117
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	4	3	11	61	96	47	10	3	0	0	0	0	0	0	235
Grand Total	661	48	402	2080	2450	733	139	16	3	0	0	0	0	0	6532

15th Percentile : 12 MPH
50th Percentile : 29 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Stats
Mean Speed(Average) : 27 MPH
10 MPH Pace Speed : 27-36 MPH
Number in Pace : 3803
Percent in Pace : 58.2%
Number of Vehicles > 25 MPH : 4812
Percent of Vehicles > 25 MPH : 73.7%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

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1900 block of Foxhall RD NW Volume

Start Time	06-Nov-13 Wed	SB		NB		Combined		07-Nov- Thu	SB		NB		Combined	
		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00		*	83	*	79	*	162		13	*	11	*	24	*
12:15		*	84	*	80	*	164		17	*	15	*	32	*
12:30		*	74	*	87	*	161		7	*	2	*	9	*
12:45		*	59	*	78	*	137		3	*	4	*	7	*
01:00		*	93	*	85	*	178		7	*	7	*	14	*
01:15		*	74	*	88	*	162		5	*	2	*	7	*
01:30		*	78	*	99	*	177		6	*	7	*	13	*
01:45		*	82	*	78	*	160		4	*	4	*	8	*
02:00		*	88	*	91	*	179		3	*	7	*	10	*
02:15		*	100	*	115	*	215		4	*	2	*	6	*
02:30		*	96	*	122	*	218		6	*	2	*	8	*
02:45		*	84	*	132	*	216		3	*	3	*	6	*
03:00		*	102	*	112	*	214		3	*	4	*	7	*
03:15		*	110	*	99	*	209		2	*	8	*	10	*
03:30		*	103	*	105	*	208		1	*	2	*	3	*
03:45		*	102	*	113	*	215		2	*	5	*	7	*
04:00		*	113	*	108	*	221		4	*	5	*	9	*
04:15		*	115	*	83	*	198		2	*	3	*	5	*
04:30		*	112	*	98	*	210		6	*	9	*	15	*
04:45		*	119	*	127	*	246		8	*	16	*	24	*
05:00		*	105	*	128	*	233		5	*	26	*	31	*
05:15		*	128	*	124	*	252		13	*	17	*	30	*
05:30		*	106	*	115	*	221		14	*	26	*	40	*
05:45		*	113	*	122	*	235		22	*	48	*	70	*
06:00		26	113	42	121	68	234		*	*	*	*	*	*
06:15		36	104	74	110	110	214		*	*	*	*	*	*
06:30		67	88	81	118	148	206		*	*	*	*	*	*
06:45		56	91	123	115	179	206		123	*	*	*	*	*
07:00		78	81	115	92	193	173		*	*	*	*	*	*
07:15		92	77	122	108	214	185		*	*	*	*	*	*
07:30		151	73	109	99	260	172		*	*	*	*	*	*
07:45		153	74	117	67	270	141		*	*	*	*	*	*
08:00		183	90	68	64	251	154		*	*	*	*	*	*
08:15		167	69	111	64	278	133		*	*	*	*	*	*
08:30		169	49	109	56	278	105		*	*	*	*	*	*
08:45		128	61	141	49	269	110		*	*	*	*	*	*
09:00		140	53	95	57	235	110		*	*	*	*	*	*
09:15		114	69	107	72	221	141		*	*	*	*	*	*
09:30		111	56	110	50	221	106		*	*	*	*	*	*
09:45		89	54	116	55	205	109		*	*	*	*	*	*
10:00		80	61	79	69	159	130		*	*	*	*	*	*
10:15		76	42	81	44	157	86		*	*	*	*	*	*
10:30		62	43	84	34	146	77		*	*	*	*	*	*
10:45		76	43	81	34	157	77		*	*	*	*	*	*
11:00		60	25	68	16	128	41		*	*	*	*	*	*
11:15		69	26	88	19	157	45		*	*	*	*	*	*
11:30		71	18	77	17	148	35		*	*	*	*	*	*
11:45		98	14	92	9	190	23		*	*	*	*	*	*
Total		2352	3797	2290	4007	4642	7804		160	0	235	0	395	0
Day Total		6149		6297		12446			160	0	235	0	395	0
% Total		18.9%	30.5%	18.4%	32.2%				40.5%	0.0%	59.5%	0.0%		
Peak		07:45	04:30	06:45	04:45	07:45	04:45		05:00		05:00		05:00	
Vol.		672	464	469	494	1077	952		54		117		171	
P.H.F.		0.918	0.906	0.953	0.936	0.969	0.944		0.614		0.609		0.611	
ADT		ADT 12,841		AADT 12,841										

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: FOXHALL RD,NW From FOXHALL CRESCENT,NW TO WHITEHAVEN PKWY,NW

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

Prepared By: Rahul Jain

Prepared Date: 9/17/2013

Total Number of Accident:	10	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	0	0.0%	Fixed Object:	0	0.0%
Total Number of Injuries:	2	Left Turn:	2	20.0%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	0	Right Turn:	0	0.0%	Ped. Involved:	0	0.0%
Total Number of NonDisabling Injuries:	0	Rear End:	3	30.0%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	0	Side Swiped:	1	10.0%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	0	Head On:	2	20.0%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	0	Parked:	0	0.0%	Unspecified:	2	20.0%

Time of Day	#ACC	%	Day o fweek	#ACC	%
07:30 ~ 09:30:	1	10.0%	Sunday:	0	0.0%
09:30 ~ 11:30:	1	10.0%	Monday:	2	20.0%
11:30 ~ 13:30:	0	0.0%	Tuesday:	1	10.0%
13:30 ~ 16:00:	1	10.0%	Wednesday:	1	10.0%
16:00 ~18:30:	2	20.0%	Thursday:	2	20.0%
18:30 ~ 07:30:	5	50.0%	Friday:	2	20.0%
Unspecified:	0	0.0%	Saturday:	2	20.0%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	8	80.0%	Dry:	8	80.0%
Rain:	0	0.0%	Wet:	0	0.0%
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:	2	20.0%	Unspecified:	2	20.0%

Type of Vehicle	#VEH	%	Accident Severity Type	#ACC	%
Passenger Car:	16	84.2%	Fatal Collision:	0	0.0%
Bus:	0	0.0%	Injury Collision:	2	20.0%
Truck:	0	0.0%	PDO Collision:	8	80.0%
Taxi:	1	5.3%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	5	50.0%
Motorcycle/Moped:	0	0.0%	Dawn/Dusk:	0	0.0%
Bicycle:	0	0.0%	Dark(Lighted):	1	10.0%
Fixed Object:	0	0.0%	Dark(Not Lighted):	2	20.0%
Unspecified:	2	10.5%	Dark(Unknown Lighting):	0	0.0%
			Unspecified:	2	20.0%

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:	2	10.5%	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:	17	89.5%	Unspecified:	0	0.0%

6 Records are not approved as of 9/17/2013 9:13:04 AM