



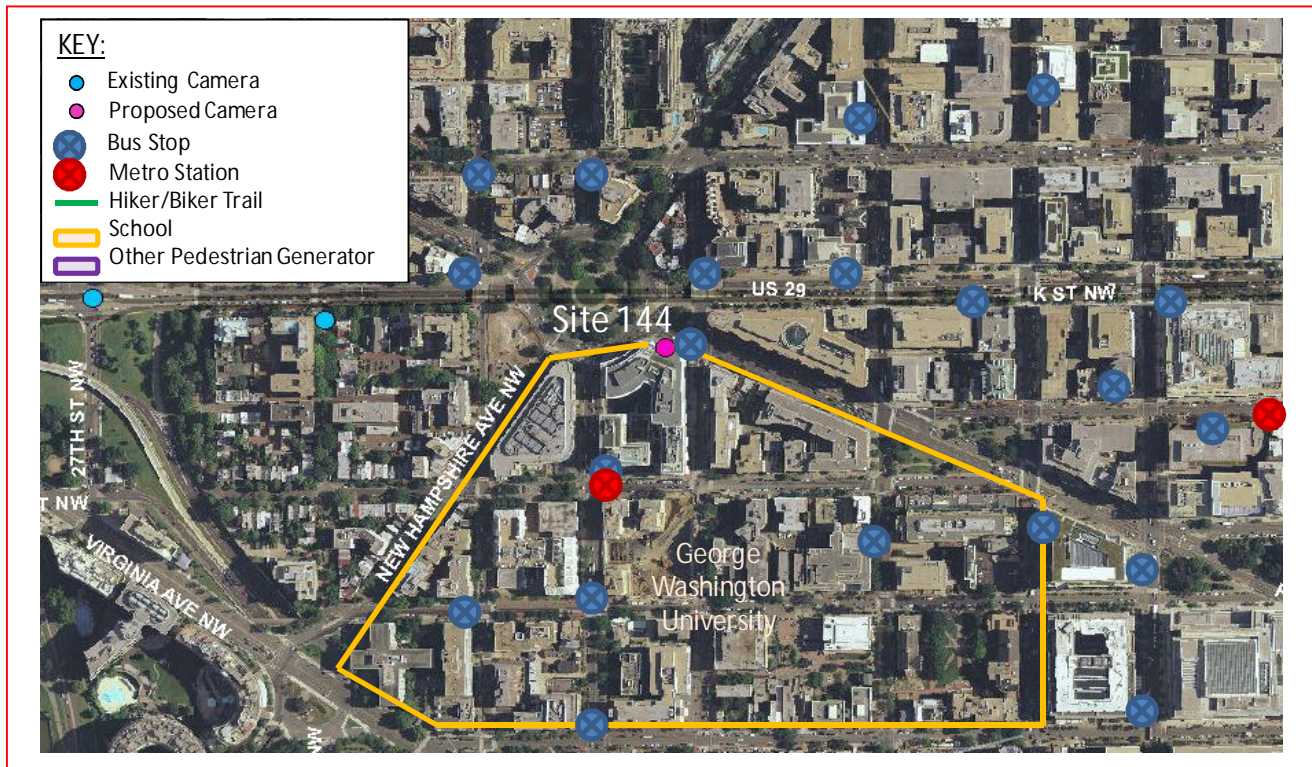
District Department of Transportation

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

2200 Block K Street NW

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
2	207	2	2A	Proposed	2200 Block K Street Northwest, Westbound



This *proposed* speed camera location will be located in Ward 2 at the 2200 block of K Street Northwest in the westbound direction. K Street runs between Florida Avenue Northeast to the east and the Whitehurst Freeway Northwest to the west. The posted speed limit is 25 MPH.

W2 - 94





Field Assessment Summary

K Street is assumed to run in the east-west direction, and is classified as a principal arterial. K Street has two travel lanes in each direction. This site has the following characteristics:

- There is a concrete median with curb, gutter, and drainage inlets.
- There are traffic signals at 21st and 22nd Streets.
- The existing pavement is in good condition and there is a downhill slope in the eastbound direction.
- There is one school in this area: George Washington University.
- There are multiple bus stops and two Metrorail Station in the area.



Looking Eastbound



District Department of Transportation
2200 Block K Street NW



Looking Westbound

Speed Data Analysis

Posted Speed Limit (MPH)	25
Mean Speed (MPH)	12
85th Percentile Speed (MPH)	18
10 MPH Pace Speed	7-16
ADT	7,004

The mean speed is 13 MPH lower than the posted speed limit, and the 85th percentile speed is 7 MPH lower than the posted speed limit.

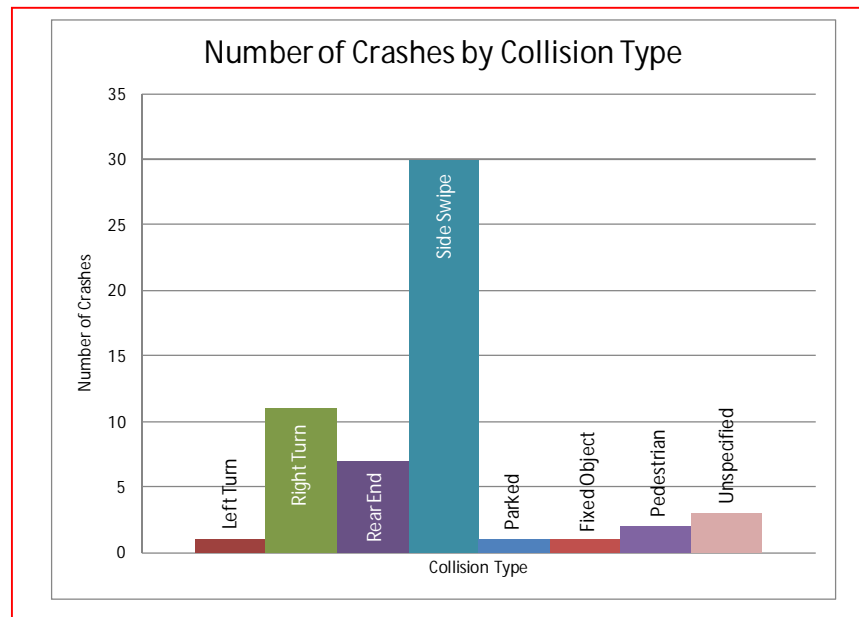
Crash Data Analysis

From the Accident Summary Report provided for the dates between January 1, 2010 and December 31, 2012, there were a total of 56 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 (30 crashes), Right Turn (11 crashes), and Rear End (7 crashes).



District Department of Transportation
2200 Block K Street NW

Severity			Weather			Surface condition			Light Condition		
Total	56										
Fatal	0	0.0%	Clear	49	87.5%	Dry	48	85.7%	Day	38	67.9%
Injury	7	12.5%	Rain	3	5.4%	Wet	2	3.6%	Night	10	17.9%
Bus	22	39.3%	Snow	0	0.0%	Snow/Ice	0	0.0%			
Truck	12	21.4%									



There were an elevated number of speed-related crashes at this location, including rear end and side swipe crashes. The AASHTO Highway Safety Manual lists “assuming the lead driver will go through a green or yellow light, but the lead driver stops” and “changing lanes to avoid a slowing or stopped vehicle”¹ as two errors leading to rear-end and sideswipe crashes. Both of these errors can be decreased with a decrease in travel speed.

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 speed data analysis shows travel speeds being lower than the posted speed limit.

¹ AASHTO Highway Safety Manual, 1st Edition, 2010; Volume 1, page 2-13



District Department of Transportation
2200 Block K Street NW

2. Crash Data – There was an elevated number of speed related crashes, including side swipe collisions. There were seven injury-related crashes at this location.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - a. There is one school in this area: George Washington University.
 - b. There are multiple bus stops and two Metrorail Station in the area which generate pedestrian activity.

Although the speed data analysis showed the mean and 85th percentile speeds to be lower than the posted speed limit, due to the elevated number of speed-related crashes, the specific site characteristics, and 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

2200 block of K St NW Speed

EB

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
11/12/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	8	9	2	6	2	0	0	0	0	0	0	0	0	0	27
03:00	8	16	6	0	0	0	0	0	0	0	0	0	0	0	30
04:00	31	63	13	6	1	2	0	0	0	0	0	0	0	0	116
05:00	76	167	30	6	2	0	0	0	0	0	0	0	0	0	281
06:00	118	371	79	11	4	0	0	0	0	0	0	0	0	0	583
07:00	218	486	85	14	11	1	0	0	0	0	0	0	0	0	815
08:00	333	206	48	13	4	1	0	0	0	0	0	0	0	0	605
09:00	342	1	0	0	0	0	0	0	0	0	0	0	0	0	343
10:00	207	229	67	27	8	2	0	0	0	0	0	0	0	0	540
11:00	128	201	93	30	11	2	0	0	0	0	0	0	0	0	465
12 PM	101	127	63	37	10	0	1	0	0	0	0	0	0	0	339
13:00	104	116	57	35	12	1	0	0	0	0	0	0	0	0	325
14:00	123	110	41	27	10	2	0	0	0	0	0	0	0	0	313
15:00	103	104	59	20	10	0	0	0	0	0	0	0	0	0	296
16:00	105	95	52	17	11	0	0	0	0	0	0	0	0	0	280
17:00	104	98	53	20	7	1	0	0	0	0	0	0	0	0	283
18:00	105	128	68	19	5	1	0	0	0	0	0	0	0	0	326
19:00	107	121	35	23	4	0	0	0	0	0	0	0	0	0	290
20:00	94	109	58	20	3	2	0	0	0	0	0	0	0	0	286
21:00	99	98	41	30	10	1	1	0	0	0	0	0	0	0	280
22:00	84	84	35	16	4	3	0	0	0	0	0	0	0	0	226
23:00	60	46	14	11	4	2	0	0	0	0	0	0	0	0	137
Total	2658	2985	999	388	133	21	2	0	0	0	0	0	0	0	7186

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

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EB

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
11/13/13	33	19	7	6	0	0	0	0	0	0	0	0	0	0	65
01:00	19	14	6	2	0	0	0	0	0	0	0	0	0	0	41
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	52	33	13	8	0	0	0	0	0	0	0	0	0	0	106
Grand Total	2710	3018	1012	396	133	21	2	0	0	0	0	0	0	0	7292

15th Percentile : 6 MPH
 50th Percentile : 13 MPH
 85th Percentile : 20 MPH
 95th Percentile : 25 MPH

Stats
 Mean Speed(Average) : 14 MPH
 10 MPH Pace Speed : 9-18 MPH
 Number in Pace : 3828
 Percent in Pace : 52.5%
 Number of Vehicles > 25 MPH : 416
 Percent of Vehicles > 25 MPH : 5.7%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2200 block of K St NW Speed

WB

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
11/12/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	10	17	14	1	0	0	0	0	0	0	0	0	0	0	42
03:00	11	12	9	1	0	1	0	0	0	0	0	0	0	0	34
04:00	13	24	9	3	1	0	0	0	0	0	0	0	0	0	50
05:00	23	52	19	8	0	0	0	0	0	0	0	0	0	0	102
06:00	60	101	50	6	0	0	0	0	0	0	0	0	0	0	217
07:00	123	159	41	11	0	0	0	0	0	0	0	0	0	0	334
08:00	94	110	50	8	1	0	0	0	0	0	0	0	0	0	263
09:00	100	101	40	3	0	0	0	0	0	0	0	0	0	0	244
10:00	119	142	66	2	0	0	0	0	0	0	0	0	0	0	329
11:00	118	213	89	6	1	0	0	0	0	0	0	0	0	0	427
12 PM	164	196	74	11	0	0	0	0	0	0	0	0	0	0	445
13:00	223	224	60	4	0	0	0	0	0	0	0	0	0	0	511
14:00	309	158	37	3	0	0	0	0	0	0	0	0	0	0	507
15:00	378	200	26	0	0	0	0	0	0	0	0	0	0	0	604
16:00	381	29	2	0	0	0	0	0	0	0	0	0	0	0	412
17:00	260	2	0	0	0	0	0	0	0	0	0	0	0	0	262
18:00	301	1	1	0	0	0	0	0	0	0	0	0	0	0	303
19:00	288	100	28	1	0	0	0	0	0	0	0	0	0	0	417
20:00	205	186	26	2	0	0	0	0	0	0	0	0	0	0	419
21:00	164	177	35	3	0	0	0	0	0	0	0	0	0	0	379
22:00	114	149	39	2	0	0	0	0	0	0	0	0	0	0	304
23:00	82	80	32	2	0	0	0	0	0	0	0	0	0	0	196
Total	3540	2433	747	77	3	1	0	0	0	0	0	0	0	0	6801

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2200 block of K St NW Speed

WB															
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
11/13/13	39	56	20	2	0	0	0	0	0	0	0	0	0	0	117
01:00	39	30	15	2	0	0	0	0	0	0	0	0	0	0	86
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	78	86	35	4	0	0	0	0	0	0	0	0	0	0	203
Grand Total	3618	2519	782	81	3	1	0	0	0	0	0	0	0	0	7004

15th Percentile : 5 MPH
 50th Percentile : 11 MPH
 85th Percentile : 18 MPH
 95th Percentile : 21 MPH

Stats
 Mean Speed(Average) : 12 MPH
 10 MPH Pace Speed : 7-16 MPH
 Number in Pace : 3989
 Percent in Pace : 57.0%
 Number of Vehicles > 25 MPH : 106
 Percent of Vehicles > 25 MPH : 1.5%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammatteng.com

2200 block of K St NW Volume

Start Time	12-Nov-13			EB			WB			Combined			13-Nov- Wed			EB			WB			Combined		
	Tue	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Wed	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		
12:00	*		88	*	121	*	209						21	*	41	*	62	*				*		
12:15	*		82	*	111	*	193						13	*	27	*	40	*				*		
12:30	*		85	*	105	*	190						13	*	25	*	38	*				*		
12:45	*		84	*	108	*	192						18	*	24	*	42	*				*		
01:00	*		69	*	127	*	196						14	*	29	*	43	*				*		
01:15	*		71	*	131	*	202						9	*	18	*	27	*				*		
01:30	*		95	*	128	*	223						10	*	23	*	33	*				*		
01:45	*		90	*	125	*	215						8	*	16	*	24	*				*		
02:00	7	78		21	133	28	211						*	*	*	*	*	*				*		
02:15	7	72		9	105	16	177						*	*	*	*	*	*				*		
02:30	4	97		5	134	9	231						*	*	*	*	*	*				*		
02:45	9	66		7	135	16	201						*	*	*	*	*	*				*		
03:00	6	81		11	134	17	215						*	*	*	*	*	*				*		
03:15	5	65		8	151	13	216						*	*	*	*	*	*				*		
03:30	11	77		9	142	20	219						*	*	*	*	*	*				*		
03:45	8	73		6	177	14	250						*	*	*	*	*	*				*		
04:00	11	76		11	171	22	247						*	*	*	*	*	*				*		
04:15	29	67		9	82	38	149						*	*	*	*	*	*				*		
04:30	40	69		15	90	55	159						*	*	*	*	*	*				*		
04:45	36	68		15	69	51	137						*	*	*	*	*	*				*		
05:00	45	72		16	61	61	133						*	*	*	*	*	*				*		
05:15	66	64		18	70	84	134						*	*	*	*	*	*				*		
05:30	70	77		34	68	104	145						*	*	*	*	*	*				*		
05:45	100	70		34	63	134	133						*	*	*	*	*	*				*		
06:00	107	86		32	77	139	163						*	*	*	*	*	*				*		
06:15	125	74		48	87	173	161						*	*	*	*	*	*				*		
06:30	158	87		73	55	231	142						*	*	*	*	*	*				*		
06:45	193	79		64	84	257	163						*	*	*	*	*	*				*		
07:00	182	86		82	87	264	173						*	*	*	*	*	*				*		
07:15	207	76		80	116	287	192						*	*	*	*	*	*				*		
07:30		229	59	90	111	319	170						*	*	*	*	*	*				*		
07:45		197	69	82	103	279	172						*	*	*	*	*	*				*		
08:00		204	71	98	104	302	175						*	*	*	*	*	*				*		
08:15		210	62	67	110	277	172						*	*	*	*	*	*				*		
08:30	83	79		40	99	123	178						*	*	*	*	*	*				*		
08:45	108	74		58	106	166	180						*	*	*	*	*	*				*		
09:00	85	75		59	102	144	177						*	*	*	*	*	*				*		
09:15	76	80		65	88	141	168						*	*	*	*	*	*				*		
09:30	97	65		60	94	157	159						*	*	*	*	*	*				*		
09:45	85	60		60	95	145	155						*	*	*	*	*	*				*		
10:00	121	81		79	96	200	177						*	*	*	*	*	*				*		
10:15	142	51		85	79	227	130						*	*	*	*	*	*				*		
10:30	144	50		73	72	217	122						*	*	*	*	*	*				*		
10:45	133	44		92	57	225	101						*	*	*	*	*	*				*		
11:00	117	52		118	56	235	108						*	*	*	*	*	*				*		
11:15	100	28		92	56	192	84						*	*	*	*	*	*				*		
11:30	119	35		115	49	234	84						*	*	*	*	*	*				*		
11:45	129	22		102	35	231	57						*	*	*	*	*	*				*		
Total		3805	3381	2042	4759	5847	8140						106	0	203	0	309	0						
Day Total		7186		6801		13987							106	0.0%	203	0.0%	309	0.0%						
% Total		27.2%	24.2%	14.6%	34.0%								34.3%	0.0%	65.7%	0.0%								
Peak		07:30	12:00	11:00	03:15	07:15	03:15						12:00		12:00		12:00							
Vol.		840	339	427	641	1187	932						65		117		182							
P.H.F.		0.917	0.963	0.905	0.905	0.930	0.932						0.774		0.713		0.734							
ADT		ADT 14,296		AADT 14,296																				

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2200 Block of K Street EB and WB Volume

Start Time	04-Nov-13 Mon		East Bound		West Bound		Combined		05-Nov-Tue	East Bound		West Bound		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.	A.M.	P.M.
12:00	*	83	*	76	*	159									
12:15	*	62	*	69	*	131				6	*	18	*	24	*
12:30	*	87	*	102	*	189				12	*	6	*	18	*
12:45	*	81	*	98	*	179				5	*	13	*	18	*
01:00		11	89	7	106	18	195			13	*	19	*	32	*
01:15		7	73	4	84	11	157			*	*	*	*	*	*
01:30		0	82	5	80	5	162			*	*	*	*	*	*
01:45		3	91	5	99	8	190			*	*	*	*	*	*
02:00		8	76	5	66	13	142			*	*	*	*	*	*
02:15		5	74	1	103	6	177			*	*	6	17	*	*
02:30		1	93	1	101	2	194			*	*	*	*	*	*
02:45		6	73	9	117	15	190			*	*	*	*	*	*
03:00		5	59	1	110	6	169			*	*	*	*	*	*
03:15		4	84	3	85	7	169			*	*	*	*	*	*
03:30		5	92	8	113	13	205			*	*	*	*	*	*
03:45		7	90	10	76	17	166			*	*	*	*	*	*
04:00		5	84	7	104	12	188			*	*	*	*	*	*
04:15		9	57	5	70	14	127			*	*	*	*	*	*
04:30		8	118	8	89	16	207			*	*	*	*	*	*
04:45		6	114	10	80	16	194			*	*	*	*	*	*
05:00		10	107	8	97	18	204			*	*	*	*	*	*
05:15		11	91	11	68	22	159			*	*	*	*	*	*
05:30		9	79	19	84	28	163			*	*	*	*	*	*
05:45		27	118	25	78	52	196			*	*	*	*	*	*
06:00		19	98	23	51	42	149			*	*	*	*	*	*
06:15		24	102	28	69	52	171			*	*	*	*	*	*
06:30		28	99	47	46	75	145			*	*	*	*	*	*
06:45		26	90	44	60	70	150			*	*	*	*	*	*
07:00		42	86	77	59	119	145			*	*	*	*	*	*
07:15		44	74	70	45	114	119			*	*	*	*	*	*
07:30		36	54	79	44	115	98			*	*	*	*	*	*
07:45		46	42	115	56	161	98			*	*	*	*	*	*
08:00		44	53	110	73	154	126			*	*	*	*	*	*
08:15		63	51	100	54	163	105			*	*	*	*	*	*
08:30		74	47	103	39	177	86			*	*	*	*	*	*
08:45		78	38	103	40	181	78			*	*	*	*	*	*
09:00		38	36	126	43	164	79			*	*	*	*	*	*
09:15		79	49	111	47	190	96			*	*	*	*	*	*
09:30		75	32	118	43	193	75			*	*	*	*	*	*
09:45		64	29	153	37	217	66			*	*	*	*	*	*
10:00		82	16	90	42	172	58			*	*	*	*	*	*
10:15		69	39	109	32	178	71			*	*	*	*	*	*
10:30		79	30	91	29	170	59			*	*	*	*	*	*
10:45		89	25	103	41	192	66			*	*	*	*	*	*
11:00		76	20	97	21	173	41			*	*	*	*	*	*
11:15		86	15	102	17	188	32			*	*	*	*	*	*
11:30		78	12	94	26	172	38			*	*	*	*	*	*
11:45		89	11	115	19	204	30			*	*	*	*	*	*
Total		1575	3205	2360	3188	3935	6393			36	0	56	0	92	0
Day Total		4780		5548		10328				36	0.0%	56	0.0%	92	
% Total		15.2%	31.0%	22.9%	30.9%					39.1%	0.0%	60.9%	0.0%		
Peak Vol.		10:30	04:30	09:00	02:15	09:15	04:30			12:00		12:00		12:00	
P.H.F.		0.927	0.911	0.830	0.921	0.889	0.923			0.692		0.737		0.719	

ADT ADT 10,420 AADT 10,420

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2200 Block of K Street EB and WB Speed

East Bound

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
11/04/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	8	2	1	0	0	0	0	0	0	0	0	0	0	0	11
01:30	4	3	0	0	0	0	0	0	0	0	0	0	0	0	7
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
02:15	14	6	1	0	0	0	0	0	0	0	0	0	0	0	21
02:30	5	2	1	0	0	0	0	0	0	0	0	0	0	0	8
02:45	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:15	5	1	0	0	0	0	0	0	0	0	0	0	0	0	6
03:30	15	4	1	0	0	0	0	0	0	0	0	0	0	0	20
03:45	2	2	0	0	1	0	0	0	0	0	0	0	0	0	5
04:00	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
04:15	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
04:30	6	1	0	0	0	0	0	0	0	0	0	0	0	0	7
04:45	15	5	0	0	1	0	0	0	0	0	0	0	0	0	21
05:00	3	1	1	0	0	0	0	0	0	0	0	0	0	0	5
05:15	6	3	0	0	0	0	0	0	0	0	0	0	0	0	9
05:30	5	2	1	0	0	0	0	0	0	0	0	0	0	0	8
05:45	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
06:00	17	9	2	0	0	0	0	0	0	0	0	0	0	0	28
06:15	6	4	0	0	0	0	0	0	0	0	0	0	0	0	10
06:30	4	6	1	0	0	0	0	0	0	0	0	0	0	0	11
06:45	7	2	0	0	0	0	0	0	0	0	0	0	0	0	9
07:00	26	1	0	0	0	0	0	0	0	0	0	0	0	0	27
07:15	43	13	1	0	0	0	0	0	0	0	0	0	0	0	57
07:30	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
07:45	22	2	0	0	0	0	0	0	0	0	0	0	0	0	24
08:00	25	3	0	0	0	0	0	0	0	0	0	0	0	0	28
08:15	24	2	0	0	0	0	0	0	0	0	0	0	0	0	26
08:30	90	7	0	0	0	0	0	0	0	0	0	0	0	0	97
08:45	35	7	0	0	0	0	0	0	0	0	0	0	0	0	42
09:00	41	3	0	0	0	0	0	0	0	0	0	0	0	0	44
09:15	36	0	0	0	0	0	0	0	0	0	0	0	0	0	36
09:30	43	2	1	0	0	0	0	0	0	0	0	0	0	0	46
09:45	155	12	1	0	0	0	0	0	0	0	0	0	0	0	168
10:00	42	2	0	0	0	0	0	0	0	0	0	0	0	0	44
10:15	61	2	0	0	0	0	0	0	0	0	0	0	0	0	63
10:30	67	3	4	0	0	0	0	0	0	0	0	0	0	0	74
10:45	73	2	2	1	0	0	0	0	0	0	0	0	0	0	78
11:00	243	9	6	1	0	0	0	0	0	0	0	0	0	0	259
11:15	35	3	0	0	0	0	0	0	0	0	0	0	0	0	38
11:30	78	1	0	0	0	0	0	0	0	0	0	0	0	0	79
11:45	73	2	0	0	0	0	0	0	0	0	0	0	0	0	75
12:00	64	0	0	0	0	0	0	0	0	0	0	0	0	0	64
12:15	250	6	0	0	0	0	0	0	0	0	0	0	0	0	256
12:30	81	1	0	0	0	0	0	0	0	0	0	0	0	0	82
12:45	69	0	0	0	0	0	0	0	0	0	0	0	0	0	69
13:00	74	3	1	1	0	0	0	0	0	0	0	0	0	0	79
13:15	87	1	1	0	0	0	0	0	0	0	0	0	0	0	89
13:30	311	5	2	1	0	0	0	0	0	0	0	0	0	0	319
13:45	75	1	0	0	0	0	0	0	0	0	0	0	0	0	76
14:00	83	3	0	0	0	0	0	0	0	0	0	0	0	0	86
14:15	75	1	1	0	1	0	0	0	0	0	0	0	0	0	78
14:30	86	1	2	0	0	0	0	0	0	0	0	0	0	0	89
14:45	319	6	3	0	1	0	0	0	0	0	0	0	0	0	329
Total	1472	82	17	2	2	0	0	0	0	0	0	0	0	0	1575

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2200 Block of K Street EB and WB Speed

East Bound

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 PM	81	2	0	0	0	0	0	0	0	0	0	0	0	0	83
12:15	62	0	0	0	0	0	0	0	0	0	0	0	0	0	62
12:30	87	0	0	0	0	0	0	0	0	0	0	0	0	0	87
12:45	80	1	0	0	0	0	0	0	0	0	0	0	0	0	81
	310	3	0	0	0	0	0	0	0	0	0	0	0	0	313
13:00	85	2	2	0	0	0	0	0	0	0	0	0	0	0	89
13:15	73	0	0	0	0	0	0	0	0	0	0	0	0	0	73
13:30	81	1	0	0	0	0	0	0	0	0	0	0	0	0	82
13:45	89	0	2	0	0	0	0	0	0	0	0	0	0	0	91
	328	3	4	0	0	0	0	0	0	0	0	0	0	0	335
14:00	71	3	2	0	0	0	0	0	0	0	0	0	0	0	76
14:15	69	3	1	0	1	0	0	0	0	0	0	0	0	0	74
14:30	92	0	1	0	0	0	0	0	0	0	0	0	0	0	93
14:45	70	2	0	1	0	0	0	0	0	0	0	0	0	0	73
	302	8	4	1	1	0	0	0	0	0	0	0	0	0	316
15:00	57	1	0	1	0	0	0	0	0	0	0	0	0	0	59
15:15	78	1	2	2	1	0	0	0	0	0	0	0	0	0	84
15:30	86	2	0	2	2	0	0	0	0	0	0	0	0	0	92
15:45	82	5	1	0	2	0	0	0	0	0	0	0	0	0	90
	303	9	3	5	5	0	0	0	0	0	0	0	0	0	325
16:00	78	3	2	0	1	0	0	0	0	0	0	0	0	0	84
16:15	55	0	1	0	1	0	0	0	0	0	0	0	0	0	57
16:30	110	6	2	0	0	0	0	0	0	0	0	0	0	0	118
16:45	100	9	2	3	0	0	0	0	0	0	0	0	0	0	114
	343	18	7	3	2	0	0	0	0	0	0	0	0	0	373
17:00	96	8	2	1	0	0	0	0	0	0	0	0	0	0	107
17:15	82	4	5	0	0	0	0	0	0	0	0	0	0	0	91
17:30	74	4	1	0	0	0	0	0	0	0	0	0	0	0	79
17:45	106	8	4	0	0	0	0	0	0	0	0	0	0	0	118
	358	24	12	1	0	0	0	0	0	0	0	0	0	0	395
18:00	93	4	1	0	0	0	0	0	0	0	0	0	0	0	98
18:15	88	12	1	1	0	0	0	0	0	0	0	0	0	0	102
18:30	77	12	8	2	0	0	0	0	0	0	0	0	0	0	99
18:45	75	11	4	0	0	0	0	0	0	0	0	0	0	0	90
	333	39	14	3	0	0	0	0	0	0	0	0	0	0	389
19:00	70	12	4	0	0	0	0	0	0	0	0	0	0	0	86
19:15	59	9	6	0	0	0	0	0	0	0	0	0	0	0	74
19:30	41	11	2	0	0	0	0	0	0	0	0	0	0	0	54
19:45	30	9	2	1	0	0	0	0	0	0	0	0	0	0	42
	200	41	14	1	0	0	0	0	0	0	0	0	0	0	256
20:00	38	8	5	2	0	0	0	0	0	0	0	0	0	0	53
20:15	39	8	3	1	0	0	0	0	0	0	0	0	0	0	51
20:30	35	9	3	0	0	0	0	0	0	0	0	0	0	0	47
20:45	25	6	3	2	2	0	0	0	0	0	0	0	0	0	38
	137	31	14	5	2	0	0	0	0	0	0	0	0	0	189
21:00	23	9	3	0	1	0	0	0	0	0	0	0	0	0	36
21:15	29	17	3	0	0	0	0	0	0	0	0	0	0	0	49
21:30	17	13	1	1	0	0	0	0	0	0	0	0	0	0	32
21:45	19	9	1	0	0	0	0	0	0	0	0	0	0	0	29
	88	48	8	1	1	0	0	0	0	0	0	0	0	0	146
22:00	8	6	2	0	0	0	0	0	0	0	0	0	0	0	16
22:15	25	7	6	1	0	0	0	0	0	0	0	0	0	0	39
22:30	21	5	4	0	0	0	0	0	0	0	0	0	0	0	30
22:45	17	5	3	0	0	0	0	0	0	0	0	0	0	0	25
	71	23	15	1	0	0	0	0	0	0	0	0	0	0	110
23:00	13	6	1	0	0	0	0	0	0	0	0	0	0	0	20
23:15	7	8	0	0	0	0	0	0	0	0	0	0	0	0	15
23:30	7	5	0	0	0	0	0	0	0	0	0	0	0	0	12
23:45	5	4	2	0	0	0	0	0	0	0	0	0	0	0	11
	32	23	3	0	0	0	0	0	0	0	0	0	0	0	58
Total	2805	270	98	21	11	0	0	0	0	0	0	0	0	0	3205

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateg.com

2200 Block of K Street EB and WB Speed

East Bound

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
11/05/13	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
00:15	8	3	1	0	0	0	0	0	0	0	0	0	0	0	12
00:30	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5
00:45	9	3	1	0	0	0	0	0	0	0	0	0	0	0	13
01:00	23	11	2	0	0	0	0	0	0	0	0	0	0	0	36
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	23	11	2	0	0	0	0	0	0	0	0	0	0	0	36
Grand Total	4300	363	117	23	13	0	0	0	0	0	0	0	0	0	4816

15th Percentile : 4 MPH
50th Percentile : 8 MPH
85th Percentile : 13 MPH

	95th Percentile :	16 MPH
Stats	Mean Speed(Average) :	9 MPH
	10 MPH Pace Speed :	4-13 MPH
	Number in Pace :	3621
	Percent in Pace :	75.2%
	Number of Vehicles > 25 MPH :	27
	Percent of Vehicles > 25 MPH :	0.6%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateg.com

2200 Block of K Street EB and WB Speed

West Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
11/04/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	5	2	0	0	0	0	0	0	0	0	0	0	0	0	7
01:30	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
01:45	2	3	0	0	0	0	0	0	0	0	0	0	0	0	5
	3	1	1	0	0	0	0	0	0	0	0	0	0	0	5
	11	8	2	0	0	0	0	0	0	0	0	0	0	0	21
02:00	2	0	2	1	0	0	0	0	0	0	0	0	0	0	5
02:15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:45	6	2	1	0	0	0	0	0	0	0	0	0	0	0	9
	9	3	3	1	0	0	0	0	0	0	0	0	0	0	16
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:15	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
03:30	7	1	0	0	0	0	0	0	0	0	0	0	0	0	8
03:45	4	6	0	0	0	0	0	0	0	0	0	0	0	0	10
	13	9	0	0	0	0	0	0	0	0	0	0	0	0	22
04:00	4	3	0	0	0	0	0	0	0	0	0	0	0	0	7
04:15	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5
04:30	4	2	2	0	0	0	0	0	0	0	0	0	0	0	8
04:45	6	3	1	0	0	0	0	0	0	0	0	0	0	0	10
	17	10	3	0	0	0	0	0	0	0	0	0	0	0	30
05:00	4	2	2	0	0	0	0	0	0	0	0	0	0	0	8
05:15	2	6	3	0	0	0	0	0	0	0	0	0	0	0	11
05:30	6	6	6	1	0	0	0	0	0	0	0	0	0	0	19
05:45	13	12	0	0	0	0	0	0	0	0	0	0	0	0	25
	25	26	11	1	0	0	0	0	0	0	0	0	0	0	63
06:00	14	9	0	0	0	0	0	0	0	0	0	0	0	0	23
06:15	15	13	0	0	0	0	0	0	0	0	0	0	0	0	28
06:30	33	14	0	0	0	0	0	0	0	0	0	0	0	0	47
06:45	34	9	1	0	0	0	0	0	0	0	0	0	0	0	44
	96	45	1	0	0	0	0	0	0	0	0	0	0	0	142
07:00	64	12	1	0	0	0	0	0	0	0	0	0	0	0	77
07:15	67	3	0	0	0	0	0	0	0	0	0	0	0	0	70
07:30	77	2	0	0	0	0	0	0	0	0	0	0	0	0	79
07:45	114	1	0	0	0	0	0	0	0	0	0	0	0	0	115
	322	18	1	0	0	0	0	0	0	0	0	0	0	0	341
08:00	108	2	0	0	0	0	0	0	0	0	0	0	0	0	110
08:15	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
08:30	99	4	0	0	0	0	0	0	0	0	0	0	0	0	103
08:45	99	4	0	0	0	0	0	0	0	0	0	0	0	0	103
	406	10	0	0	0	0	0	0	0	0	0	0	0	0	416
09:00	125	1	0	0	0	0	0	0	0	0	0	0	0	0	126
09:15	110	1	0	0	0	0	0	0	0	0	0	0	0	0	111
09:30	117	1	0	0	0	0	0	0	0	0	0	0	0	0	118
09:45	153	0	0	0	0	0	0	0	0	0	0	0	0	0	153
	505	3	0	0	0	0	0	0	0	0	0	0	0	0	508
10:00	90	0	0	0	0	0	0	0	0	0	0	0	0	0	90
10:15	109	0	0	0	0	0	0	0	0	0	0	0	0	0	109
10:30	90	1	0	0	0	0	0	0	0	0	0	0	0	0	91
10:45	102	1	0	0	0	0	0	0	0	0	0	0	0	0	103
	391	2	0	0	0	0	0	0	0	0	0	0	0	0	393
11:00	97	0	0	0	0	0	0	0	0	0	0	0	0	0	97
11:15	102	0	0	0	0	0	0	0	0	0	0	0	0	0	102
11:30	93	1	0	0	0	0	0	0	0	0	0	0	0	0	94
11:45	112	3	0	0	0	0	0	0	0	0	0	0	0	0	115
	404	4	0	0	0	0	0	0	0	0	0	0	0	0	408
Total	2199	138	21	2	0	0	0	0	0	0	0	0	0	0	2360

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

2200 Block of K Street EB and WB Speed

West Bound

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 PM	74	2	0	0	0	0	0	0	0	0	0	0	0	0	76
12:15	67	2	0	0	0	0	0	0	0	0	0	0	0	0	69
12:30	102	0	0	0	0	0	0	0	0	0	0	0	0	0	102
12:45	98	0	0	0	0	0	0	0	0	0	0	0	0	0	98
	341	4	0	0	0	0	0	0	0	0	0	0	0	0	345
13:00	106	0	0	0	0	0	0	0	0	0	0	0	0	0	106
13:15	83	1	0	0	0	0	0	0	0	0	0	0	0	0	84
13:30	80	0	0	0	0	0	0	0	0	0	0	0	0	0	80
13:45	99	0	0	0	0	0	0	0	0	0	0	0	0	0	99
	368	1	0	0	0	0	0	0	0	0	0	0	0	0	369
14:00	66	0	0	0	0	0	0	0	0	0	0	0	0	0	66
14:15	103	0	0	0	0	0	0	0	0	0	0	0	0	0	103
14:30	100	1	0	0	0	0	0	0	0	0	0	0	0	0	101
14:45	116	1	0	0	0	0	0	0	0	0	0	0	0	0	117
	385	2	0	0	0	0	0	0	0	0	0	0	0	0	387
15:00	110	0	0	0	0	0	0	0	0	0	0	0	0	0	110
15:15	84	1	0	0	0	0	0	0	0	0	0	0	0	0	85
15:30	113	0	0	0	0	0	0	0	0	0	0	0	0	0	113
15:45	75	1	0	0	0	0	0	0	0	0	0	0	0	0	76
	382	2	0	0	0	0	0	0	0	0	0	0	0	0	384
16:00	104	0	0	0	0	0	0	0	0	0	0	0	0	0	104
16:15	70	0	0	0	0	0	0	0	0	0	0	0	0	0	70
16:30	89	0	0	0	0	0	0	0	0	0	0	0	0	0	89
16:45	79	1	0	0	0	0	0	0	0	0	0	0	0	0	80
	342	1	0	0	0	0	0	0	0	0	0	0	0	0	343
17:00	97	0	0	0	0	0	0	0	0	0	0	0	0	0	97
17:15	68	0	0	0	0	0	0	0	0	0	0	0	0	0	68
17:30	83	0	1	0	0	0	0	0	0	0	0	0	0	0	84
17:45	78	0	0	0	0	0	0	0	0	0	0	0	0	0	78
	326	0	1	0	0	0	0	0	0	0	0	0	0	0	327
18:00	51	0	0	0	0	0	0	0	0	0	0	0	0	0	51
18:15	68	1	0	0	0	0	0	0	0	0	0	0	0	0	69
18:30	45	1	0	0	0	0	0	0	0	0	0	0	0	0	46
18:45	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
	224	2	0	0	0	0	0	0	0	0	0	0	0	0	226
19:00	59	0	0	0	0	0	0	0	0	0	0	0	0	0	59
19:15	45	0	0	0	0	0	0	0	0	0	0	0	0	0	45
19:30	43	1	0	0	0	0	0	0	0	0	0	0	0	0	44
19:45	56	0	0	0	0	0	0	0	0	0	0	0	0	0	56
	203	1	0	0	0	0	0	0	0	0	0	0	0	0	204
20:00	73	0	0	0	0	0	0	0	0	0	0	0	0	0	73
20:15	54	0	0	0	0	0	0	0	0	0	0	0	0	0	54
20:30	39	0	0	0	0	0	0	0	0	0	0	0	0	0	39
20:45	40	0	0	0	0	0	0	0	0	0	0	0	0	0	40
	206	0	0	0	0	0	0	0	0	0	0	0	0	0	206
21:00	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
21:15	45	2	0	0	0	0	0	0	0	0	0	0	0	0	47
21:30	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
21:45	37	0	0	0	0	0	0	0	0	0	0	0	0	0	37
	168	2	0	0	0	0	0	0	0	0	0	0	0	0	170
22:00	41	1	0	0	0	0	0	0	0	0	0	0	0	0	42
22:15	32	0	0	0	0	0	0	0	0	0	0	0	0	0	32
22:30	28	1	0	0	0	0	0	0	0	0	0	0	0	0	29
22:45	40	1	0	0	0	0	0	0	0	0	0	0	0	0	41
	141	3	0	0	0	0	0	0	0	0	0	0	0	0	144
23:00	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
23:15	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
23:30	25	1	0	0	0	0	0	0	0	0	0	0	0	0	26
23:45	18	1	0	0	0	0	0	0	0	0	0	0	0	0	19
	81	2	0	0	0	0	0	0	0	0	0	0	0	0	83
Total	3167	20	1	0	0	0	0	0	0	0	0	0	0	0	3188

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateg.com

2200 Block of K Street EB and WB Speed

West Bound

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
11/05/13	16	2	0	0	0	0	0	0	0	0	0	0	0	0	18
00:15	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
00:30	12	1	0	0	0	0	0	0	0	0	0	0	0	0	13
00:45	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
01:00	53	3	0	0	0	0	0	0	0	0	0	0	0	0	56
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	53	3	0	0	0	0	0	0	0	0	0	0	0	0	56
Grand Total	5419	161	22	2	0	0	0	0	0	0	0	0	0	0	5604

15th Percentile : 4 MPH
50th Percentile : 8 MPH
85th Percentile : 12 MPH

	95th Percentile :	15 MPH
Stats	Mean Speed(Average) :	9 MPH
	10 MPH Pace Speed :	4-13 MPH
	Number in Pace :	4422
	Percent in Pace :	78.9%
	Number of Vehicles > 25 MPH :	2
	Percent of Vehicles > 25 MPH :	0.0%

Accident Summary Report (R-7)

Intersection: WASHINGTON CIR and TWENTY THIRD ST (SOUTH), NW

Time Period Covered: From 01/01/2010 To 12/31/2012 **Prepared By:** Rahul Jain

Prepared Date: 9/17/2013

		Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Accident:	42	Right Angle:	0	0.0%	Fixed Object:	1	2.4%
Total Number of Fatalities:	0	Left Turn:	1	2.4%	Ran Off Road:	0	0.0%
Total Number of Injuries:	7	Right Turn:	10	23.8%	Ped. Involved:	2	4.8%
Total Number of Disabling Injuries:	0	Rear End:	2	4.8%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	2	Side Swiped:	24	57.1%	Non Collision:	0	0.0%
Total Number of Pedestrians Involved:	1	Head On:	0	0.0%	Under/Over Ride:	0	0.0%
Total Number of Bicycles Involved:	0	Parked:	1	2.4%	Unspecified:	1	2.4%
Total Number of Motorcycles Involved:	0						

Time of Day	#ACC	%
07:30 ~ 09:30:	10	23.8%
09:30 ~ 11:30:	6	14.3%
11:30 ~ 13:30:	2	4.8%
13:30 ~ 16:00:	7	16.7%
16:00 ~18:30:	10	23.8%
18:30 ~ 07:30:	7	16.7%
Unspecified:	0	0.0%

Day o fweek	#ACC	%
Sunday:	0	0.0%
Monday:	5	11.9%
Tuesday:	8	19.0%
Wednesday:	5	11.9%
Thursday:	7	16.7%
Friday:	11	26.2%
Saturday:	6	14.3%

Weather Condition	#ACC	%
Clear:	36	85.7%
Rain:	3	7.1%
Snow:	0	0.0%
Sleet/Hail:	0	0.0%
Fog/Mist:	0	0.0%
Crosswind/Blowing Sand:	0	0.0%
Unspecified:	3	7.1%

Surface Condition	#ACC	%
Dry:	35	83.3%
Wet:	2	4.8%
Snow/Ice:	0	0.0%
Slush:	0	0.0%
Water/Sand:	0	0.0%
Repairing:	0	0.0%
Unspecified:	5	11.9%

Type of Vehicle	#VEH	%
Passenger Car:	33	33.7%
Bus:	20	20.4%
Truck:	9	9.2%
Taxi:	12	12.2%
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:	24	24.5%

Accident Severity Type	#ACC	%
Fatal Collision:	0	0.0%
Injury Collision:	6	14.3%
PDO Collision:	36	85.7%

Light Condition	#ACC	%
Daylight:	29	69.0%
Dawn/Dusk:	0	0.0%
Dark(Lighted):	7	16.7%
Dark(Not Lighted):	0	0.0%
Dark(Unknown Lighting):	0	0.0%
Unspecified:	6	14.3%

Contributing Factor	#VEH	%
Driver: Speed:	0	0.0%
Driver: Alcohol/Drug:	1	1.0%
Driver: Electronic Device:	0	0.0%
Driver: Others:	14	14.3%
Vehicle:	0	0.0%
Roadway:	0	0.0%
Unspecified:	83	84.7%

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%

31 Records are not approved as of 9/17/2013 11:59:57 AM

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-7)

Intersection: WASHINGTON CIR and PENNSYLVANIA AVE (EAST), 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:	14	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:	0	0.0%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	0	Right Turn:	1	7.1%	Ped. Involved:	0	0.0%
Total Number of NonDisabling Injuries:	0	Rear End:	5	35.7%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	0	Side Swiped:	6	42.9%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	1	Head On:	0	0.0%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	0	Parked:	0	0.0%	Unspecified:	2	14.3%
Time of Day				#ACC	%	Day of week	
07:30 ~ 09:30:				3	21.4%	Sunday:	
09:30 ~ 11:30:				2	14.3%	Monday:	
11:30 ~ 13:30:				2	14.3%	Tuesday:	
13:30 ~ 16:00:				1	7.1%	Wednesday:	
16:00 ~ 18:30:				1	7.1%	Thursday:	
18:30 ~ 07:30:				5	35.7%	Friday:	
Unspecified:				0	0.0%	Saturday:	
Weather Condition				#ACC	%	Surface Condition	
Clear:				13	92.9%	Dry:	
Rain:				0	0.0%	Wet:	
Snow:				0	0.0%	Snow/Ice:	
Sleet/Hail:				0	0.0%	Slush:	
Fog/Mist:				0	0.0%	Water/Sand:	
Crosswind/Blowing Sand:				0	0.0%	Repairing:	
Unspecified:				1	7.1%	Unspecified:	
Type of Vehicle				#VEH	%	Accident Severity Type	
Passenger Car:				23	76.7%	Fatal Collision:	
Bus:				2	6.7%	Injury Collision:	
Truck:				3	10.0%	PDO Collision:	
Taxi:				1	3.3%	Light Condition	
Minivan:				0	0.0%	Daylight:	
Police/Emergency Vehicle:				0	0.0%	Dawn/Dusk:	
Motorcycle/Moped:				0	0.0%	Dark(Lighted):	
Bicycle:				1	3.3%	Dark(Not Lighted):	
Fixed Object:				0	0.0%	Dark(Unknown Lighting):	
Unspecified:				0	0.0%	Unspecified:	
Contributing Factor				#VEH	%	Pedestrian Actions	
Driver: Speed:				1	3.3%	In Crosswalk with Signal:	
Driver: Alcohol/Drug:				0	0.0%	In Crosswalk against Signal:	
Driver: Electronic Device:				0	0.0%	In Crosswalk no Signal:	
Driver: Others:				4	13.3%	In Unmarked Crosswalk:	
Vehicle:				0	0.0%	Not in Crosswalk:	
Roadway:				2	6.7%	From Between Parked Cars:	
Unspecified:				23	76.7%	Unspecified:	

9 Records are not approved as of 9/17/2013 12:01:24 PM