



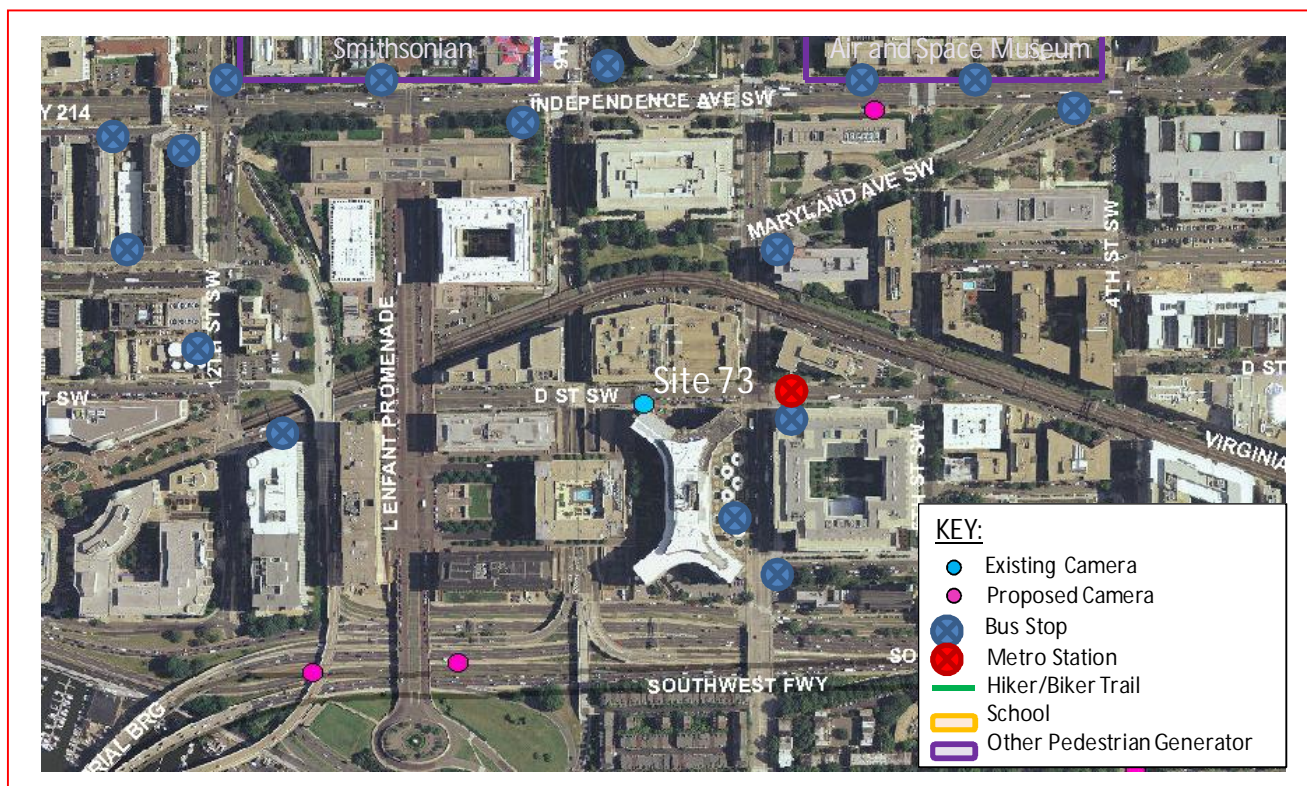
District Department of Transportation

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

9th Street Tunnel Northwest

Study Area and Location

District	PSA	Ward	ANC	Phase	Description
1	105	6	6D	Existing	9 th Street Tunnel Northwest Southbound



The existing speed camera is located in Ward 6 at 9th Street Tunnel Northwest in the southbound direction. Ninth Street Tunnel runs between Constitution Avenue Northwest to the north and Maine Avenue Southwest to the south. The posted speed limit is 35 MPH. This speed camera was installed on May 7, 2012.

W6 - 36





District Department of Transportation

9th Street Tunnel Northwest

Field Assessment Summary

Ninth Street Tunnel Northwest is assumed to run in a North-South direction, and is classified as a freeway and expressway in this section of roadway. Ninth Street Tunnel Northwest has three through lanes and a full shoulder on the right side of the roadway. This site has the following characteristics:

- This site is located inside of a tunnel.
- There is a small sidewalk pathway on both sides of the freeway.
- There are curb and gutter and drainage inlets on both sides of freeway.
- The pavement in is good condition.
- There are several bus stops in the surrounding area on Constitution Avenue NW and nearby roadways.



Looking Southbound



District Department of Transportation

9th Street Tunnel Northwest



Looking Southbound

Speed Data Analysis

Posted Speed Limit (MPH)	35
Mean Speed (MPH)	32
85th Percentile Speed (MPH)	42
10 MPH Pace Speed (MPH)	33-42
ADT	15,624

The mean speed is lower than the posted speed limit by 3 MPH and the 85th percentile speed is higher than the posted speed by 7 MPH at this location.

Crash Data Analysis

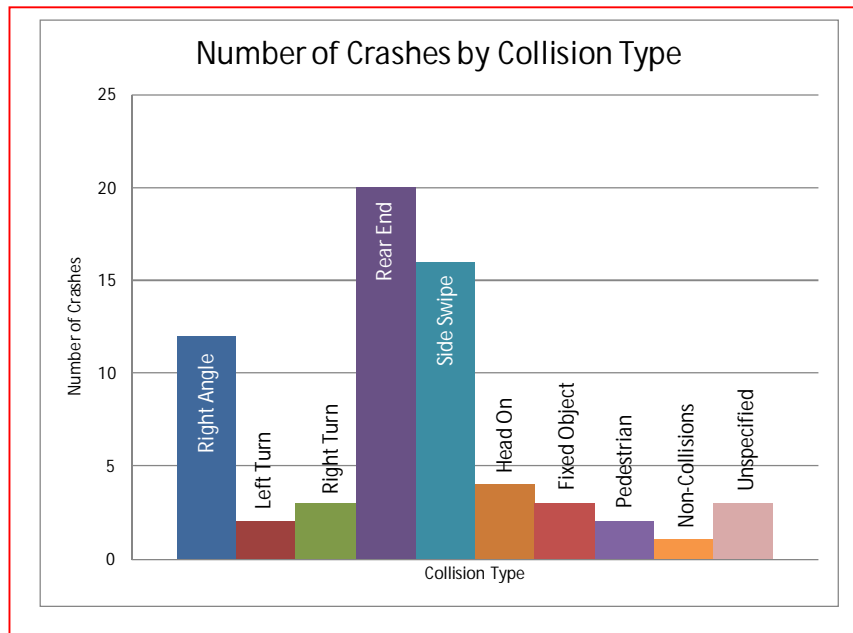
From the Accident Summary Report provided for the dates between January 1, 2010 and December 31, 2012 there were a total of 66 crashes at this location. A breakdown of number of crashes by collision type can be found in the chart on the next page. The most common types of crashes at this location were Rear End (20 crashes), Side Swipe (16 crashes), and Right Angel (12 crashes).



District Department of Transportation

9th Street Tunnel Northwest

Severity			Weather			Surface condition			Light Condition		
Total	66										
Fatal	0	0.0%	Clear	52	78.8%	Dry	53	80.3%	Day	39	59.1%
Injury	16	24.2%	Rain	9	13.6%	Wet	11	16.7%	Night	22	33.3%
Taxi	21	31.8%	Fog/Mist	1	1.5%	Snow/Ice	0	0.0%			
Bus	14	21.2%									



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.

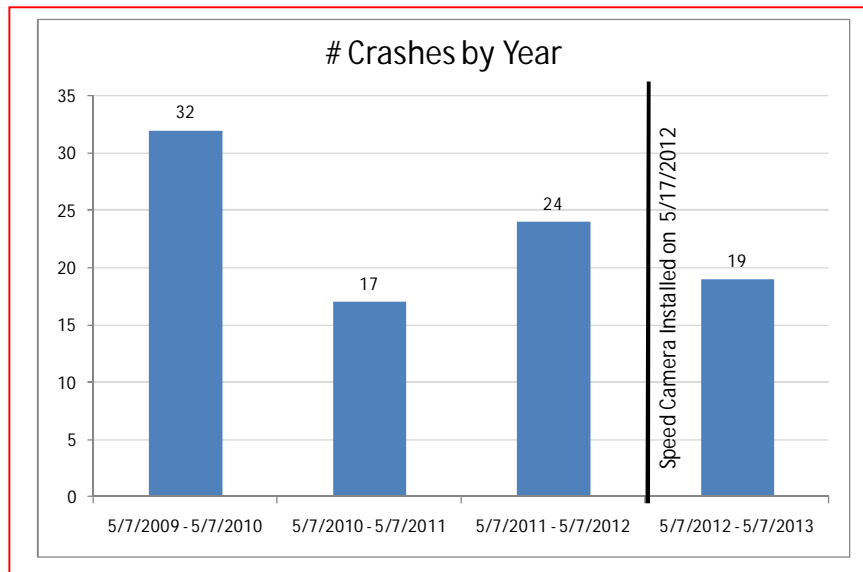
The speed camera was installed on 5-17-2012. The graph below shows the number of crashes in the three years prior to the speed camera’s installation (73 crashes) and the year after the speed camera’s installation (19 crashes). There was a slight decrease in the number of crashes after the installation of the camera.

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



District Department of Transportation

9th Street Tunnel Northwest



Safety Nexus

This site presents the following safety considerations which may establish a safety nexus between the speed camera installation and traffic safety.

1. Speed Data – The 85th percentile speeds are much higher than the posted speed limit at this location.
2. Crash Data – There were an elevated number of speed-related crashes at this location, including rear end and side swipe crashes. There was a high frequency (16 crashes) of injury-related crashes.
3. Field Assessment – The following site characteristics suggest a need for a safer travel environment:
 - o There are several bus stops in the area which may generate pedestrian activity.

Due to the elevated 85th percentile speeds, the elevated number of speed-related and injury-related crashes, the specific site characteristics of a commercial and tourist area with heavy pedestrian movements, 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

9th St Tunnel NW 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
11/26/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	2	0	0	5	21	26	10	5	0	0	0	0	0	0	69
04:00	2	0	0	6	40	34	17	4	0	0	0	0	0	0	103
05:00	9	0	0	11	47	91	37	12	5	1	0	0	0	0	213
06:00	18	0	2	13	91	161	77	26	2	0	0	0	0	0	390
07:00	49	0	0	13	124	299	142	36	9	1	0	0	0	0	673
08:00	47	0	2	25	227	348	102	16	1	1	0	0	0	0	769
09:00	78	4	3	42	184	257	65	11	0	0	0	0	0	0	644
10:00	76	1	3	35	173	170	65	30	19	13	9	3	1	0	598
11:00	72	1	1	15	82	161	143	90	56	32	19	2	1	1	676
12 PM	88	1	1	35	164	237	156	60	27	13	0	2	1	1	786
13:00	116	1	6	51	185	254	152	66	31	3	2	0	1	0	868
14:00	179	1	1	15	115	308	261	120	31	6	3	0	0	0	1040
15:00	172	0	0	11	178	369	243	51	12	3	0	0	0	0	1039
16:00	194	0	0	34	230	366	289	102	16	3	0	0	0	0	1234
17:00	193	0	2	82	321	377	200	52	9	0	0	0	0	0	1236
18:00	167	0	0	31	247	389	231	54	3	2	0	0	0	0	1124
19:00	104	1	3	24	175	344	127	32	2	1	0	0	0	0	813
20:00	94	0	1	17	192	235	115	24	5	0	0	0	0	0	683
21:00	146	0	0	23	224	353	181	50	5	0	0	0	0	0	982
22:00	117	1	0	24	176	250	119	41	6	0	0	0	0	0	734
23:00	65	1	2	19	108	153	81	22	5	0	0	0	0	0	456
Total	1988	12	27	531	3304	5182	2813	904	244	79	33	7	4	2	15130

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

9th St Tunnel NW 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
11/27/13	38	0	5	22	57	84	51	17	1	0	0	0	0	0	275
01:00	27	0	2	13	38	31	9	4	1	2	1	0	3	4	135
02:00	13	0	0	0	5	15	12	11	12	5	5	3	1	2	84
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	0	7	35	100	130	72	32	14	7	6	3	4	6	494
Grand Total	2066	12	34	566	3404	5312	2885	936	258	86	39	10	8	8	15624

15th Percentile : 10 MPH
 50th Percentile : 35 MPH
 85th Percentile : 42 MPH
 95th Percentile : 47 MPH

Stats
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 33-42 MPH
 Number in Pace : 7693
 Percent in Pace : 49.3%
 Number of Vehicles > 35 MPH : 8410
 Percent of Vehicles > 35 MPH : 53.9%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammateng.com

9th St Tunnel NW SB Volume

Start Time	Tue 26-Nov-13		Wed 27-Nov-13		Thu 28-Nov-13		Daily Average	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	*	197	100	*	*	*	100	197
12:15	*	200	82	*	*	*	82	200
12:30	*	208	53	*	*	*	53	208
12:45	*	181	40	*	*	*	40	181
01:00	*	215	42	*	*	*	42	215
01:15	*	217	30	*	*	*	30	217
01:30	*	184	36	*	*	*	36	184
01:45	*	252	27	*	*	*	27	252
02:00	*	268	18	*	*	*	18	268
02:15	*	229	20	*	*	*	20	229
02:30	*	288	17	*	*	*	17	288
02:45	*	255	29	*	*	*	29	255
03:00	19	262	*	*	*	*	19	262
03:15	15	258	*	*	*	*	15	258
03:30	17	278	*	*	*	*	17	278
03:45	18	241	*	*	*	*	18	241
04:00	22	316	*	*	*	*	22	316
04:15	27	283	*	*	*	*	27	283
04:30	25	323	*	*	*	*	25	323
04:45	29	312	*	*	*	*	29	312
05:00	37	315	*	*	*	*	37	315
05:15	44	336	*	*	*	*	44	336
05:30	60	299	*	*	*	*	60	299
05:45	72	286	*	*	*	*	72	286
06:00	86	320	*	*	*	*	86	320
06:15	84	323	*	*	*	*	84	323
06:30	114	234	*	*	*	*	114	234
06:45	106	247	*	*	*	*	106	247
07:00	160	232	*	*	*	*	160	232
07:15	170	190	*	*	*	*	170	190
07:30	166	202	*	*	*	*	166	202
07:45	177	189	*	*	*	*	177	189
08:00	188	185	*	*	*	*	188	185
08:15	210	187	*	*	*	*	210	187
08:30	185	170	*	*	*	*	185	170
08:45	186	141	*	*	*	*	186	141
09:00	177	147	*	*	*	*	177	147
09:15	152	227	*	*	*	*	152	227
09:30	166	321	*	*	*	*	166	321
09:45	149	287	*	*	*	*	149	287
10:00	138	247	*	*	*	*	138	247
10:15	155	206	*	*	*	*	155	206
10:30	130	158	*	*	*	*	130	158
10:45	175	123	*	*	*	*	175	123
11:00	162	152	*	*	*	*	162	152
11:15	166	111	*	*	*	*	166	111
11:30	171	96	*	*	*	*	171	96
11:45	177	97	*	*	*	*	177	97
Total	4135	10995	494	0	0	0	4629	10995
Combined Total	15130		494		0		15624	
Peak	08:00	04:30	12:00				08:00	04:30
Vol.	769	1286	275				769	1286
P.H.F.	0.915	0.957	0.688				0.915	0.957
ADT	ADT 15,624		AADT 15,624					

Accident Summary Report (R-8)**Corridor:** 9TH ST,NW,SW From CONSTITUTION AVE,NW TO MAINE AVE,SW**Time Period Covered:** From 01/01/2010 To 12/31/2012 **Prepared By:** Rahul Jain**Prepared Date:** 12/27/2012

		Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Accident:	66	Right Angle:	12	18.2%	Fixed Object:	3	4.5%
Total Number of Fatalities:	0	Left Turn:	2	3.0%	Ran Off Road:	0	0.0%
Total Number of Injuries:	23	Right Turn:	3	4.5%	Ped. Involved:	2	3.0%
Total Number of Disabling Injuries:	1	Rear End:	20	30.3%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	1	Side Swiped:	16	24.2%	Non Collision:	1	1.5%
Total Number of Pedestrians Involved:	2	Head On:	4	6.1%	Under/Over Ride:	0	0.0%
Total Number of Bicycles Involved:	0	Parked:	0	0.0%	Unspecified:	3	4.5%
Total Number of Motorcycles Involved:	2						

Time of Day	#ACC	%	Day of week	#ACC	%
07:30 ~ 09:30:	6	9.1%	Sunday:	4	6.1%
09:30 ~ 11:30:	5	7.6%	Monday:	5	7.6%
11:30 ~ 13:30:	5	7.6%	Tuesday:	8	12.1%
13:30 ~ 16:00:	12	18.2%	Wednesday:	12	18.2%
16:00 ~ 18:30:	12	18.2%	Thursday:	10	15.2%
18:30 ~ 07:30:	26	39.4%	Friday:	13	19.7%
Unspecified:	0	0.0%	Saturday:	14	21.2%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	52	78.8%	Dry:	53	80.3%
Rain:	9	13.6%	Wet:	11	16.7%
Snow:	0	0.0%	Snow/Ice:	0	0.0%
Sleet/Hail:	0	0.0%	Slush:	0	0.0%
Fog/Mist:	1	1.5%	Water/Sand:	0	0.0%
Crosswind/Blowing Sand:	1	1.5%	Repairing:	0	0.0%
Unspecified:	3	4.5%	Unspecified:	2	3.0%

Type of Vehicle	#VEH	%	Accident Severity Type	#ACC	%
Passenger Car:	82	63.1%	Fatal Collision:	0	0.0%
Bus:	14	10.8%	Injury Collision:	16	24.2%
Truck:	4	3.1%	PDO Collision:	50	75.8%
Taxi:	21	16.2%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	1	0.8%	Daylight:	39	59.1%
Motorcycle/Moped:	3	2.3%	Dawn/Dusk:	3	4.5%
Bicycle:	0	0.0%	Dark(Lighted):	22	33.3%
Fixed Object:	0	0.0%	Dark(Not Lighted):	0	0.0%
Unspecified:	5	3.8%	Dark(Unknown Lighting):	0	0.0%
			Unspecified:	2	3.0%

Contributing Factor	#VEH	%	Pedestrian Actions	#ACC	%
Driver: Speed:	1	0.8%	In Crosswalk with Signal:	2	100.0%
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:	28	21.5%	In Unmarked Crosswalk:	0	0.0%
Vehicle:	0	0.0%	Not in Crosswalk:	0	0.0%
Roadway:	4	3.1%	From Between Parked Cars:	0	0.0%
Unspecified:	97	74.6%	Unspecified:	0	0.0%

37 Records are not approved as of 12/27/2013 6:15:11 PM

Accident Summary Report (R-8)

Corridor: 9TH ST,NW,SW From CONSTITUTION AVE,NW TO MAINE AVE,SW

Time Period Covered: From 05/07/2009 To 05/07/2010

Prepared By: Rahul Jain

Prepared Date: 12/31/2010

		Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Accident:	32	Right Angle:	11	34.4%	Fixed Object:	0	0.0%
Total Number of Fatalities:	0	Left Turn:	2	6.3%	Ran Off Road:	2	6.3%
Total Number of Injuries:	21	Right Turn:	2	6.3%	Ped. Involved:	3	9.4%
Total Number of Disabling Injuries:	1	Rear End:	7	21.9%	Backing:	0	0.0%
Total Number of NonDisabling Injuries:	1	Side Swiped:	3	9.4%	Non Collision:	0	0.0%
Total Number of Pedestrians Involved:	3	Head On:	0	0.0%	Under/Over Ride:	0	0.0%
Total Number of Bicycles Involved:	0	Parked:	0	0.0%	Unspecified:	2	6.3%
Total Number of Motorcycles Involved:	0						

Time of Day	#ACC	%	Day of week	#ACC	%
07:30 ~ 09:30:	3	9.4%	Sunday:	4	12.5%
09:30 ~ 11:30:	3	9.4%	Monday:	6	18.8%
11:30 ~ 13:30:	3	9.4%	Tuesday:	5	15.6%
13:30 ~ 16:00:	5	15.6%	Wednesday:	3	9.4%
16:00 ~ 18:30:	6	18.8%	Thursday:	6	18.8%
18:30 ~ 07:30:	12	37.5%	Friday:	3	9.4%
Unspecified:	0	0.0%	Saturday:	5	15.6%

Weather Condition	#ACC	%	Surface Condition	#ACC	%
Clear:	26	81.3%	Dry:	25	78.1%
Rain:	4	12.5%	Wet:	6	18.8%
Snow:	0	0.0%	Snow/Ice:	0	0.0%
Sleet/Hail:	0	0.0%	Slush:	0	0.0%
Fog/Mist:	1	3.1%	Water/Sand:	0	0.0%
Crosswind/Blowing Sand:	0	0.0%	Repairing:	0	0.0%
Unspecified:	1	3.1%	Unspecified:	1	3.1%

Type of Vehicle	#VEH	%	Accident Severity Type	#ACC	%
Passenger Car:	46	73.0%	Fatal Collision:	0	0.0%
Bus:	4	6.3%	Injury Collision:	11	34.4%
Truck:	3	4.8%	PDO Collision:	21	65.6%
Taxi:	4	6.3%			
Minivan:	0	0.0%	Light Condition	#ACC	%
Police/Emergency Vehicle:	0	0.0%	Daylight:	21	65.6%
Motorcycle/Moped:	0	0.0%	Dawn/Dusk:	1	3.1%
Bicycle:	0	0.0%	Dark(Lighted):	10	31.3%
Fixed Object:	0	0.0%	Dark(Not Lighted):	0	0.0%
Unspecified:	6	9.5%	Dark(Unknown Lighting):	0	0.0%
			Unspecified:	0	0.0%

Contributing Factor	#VEH	%	Pedestrian Actions	#ACC	%
Driver: Speed:	0	0.0%	In Crosswalk with Signal:	1	50.0%
Driver: Alcohol/Drug:	0	0.0%	In Crosswalk against Signal:	1	50.0%
Driver: Electronic Device:	1	1.6%	In Crosswalk no Signal:	0	0.0%
Driver: Others:	16	25.4%	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:	46	73.0%	Unspecified:	0	0.0%

10 Records are not approved as of 12/31/2013 3:53:17 PM

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: 9TH ST,NW,SW From CONSTITUTION AVE,NW TO MAINE AVE,SW

Time Period Covered: From 05/07/2010 To 05/07/2011

Prepared By: Rahul Jain

Prepared Date: 12/31/2011

Total Number of Accident:	17	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	6	35.3%	Fixed Object:	1	5.9%
Total Number of Injuries:	5	Left Turn:	0	0.0%	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:	5	29.4%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	0	Side Swiped:	3	17.6%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	0	Head On:	1	5.9%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	0	Parked:	0	0.0%	Unspecified:	1	5.9%
Time of Day				#ACC	%	Day of week	
07:30 ~ 09:30:				1	5.9%	Sunday:	
09:30 ~ 11:30:				1	5.9%	Monday:	
11:30 ~ 13:30:				2	11.8%	Tuesday:	
13:30 ~ 16:00:				2	11.8%	Wednesday:	
16:00 ~ 18:30:				5	29.4%	Thursday:	
18:30 ~ 07:30:				6	35.3%	Friday:	
Unspecified:				0	0.0%	Saturday:	
Weather Condition				#ACC	%	Surface Condition	
Clear:				14	82.4%	Dry:	
Rain:				1	5.9%	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:				2	11.8%	Unspecified:	
Type of Vehicle				#VEH	%	Accident Severity Type	
Passenger Car:				22	62.9%	Fatal Collision:	
Bus:				2	5.7%	Injury Collision:	
Truck:				1	2.9%	PDO Collision:	
Taxi:				9	25.7%	Light Condition	
Minivan:				0	0.0%	Daylight:	
Police/Emergency Vehicle:				1	2.9%	Dawn/Dusk:	
Motorcycle/Moped:				0	0.0%	Dark(Lighted):	
Bicycle:				0	0.0%	Dark(Not Lighted):	
Fixed Object:				0	0.0%	Dark(Unknown Lighting):	
Unspecified:				0	0.0%	Unspecified:	
Contributing Factor				#VEH	%	Pedestrian Actions	
Driver: Speed:				1	2.9%	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:				7	20.0%	In Unmarked Crosswalk:	
Vehicle:				0	0.0%	Not in Crosswalk:	
Roadway:				0	0.0%	From Between Parked Cars:	
Unspecified:				27	77.1%	Unspecified:	

8 Records are not approved as of 12/31/2013 3:52:16 PM

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: 9TH ST,NW,SW From CONSTITUTION AVE,NW TO MAINE AVE,SW

Time Period Covered: From 05/07/2011 To 05/07/2012

Prepared By: Rahul Jain

Prepared Date: 12/31/2012

Total Number of Accident:	24	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	2	8.3%	Fixed Object:	1	4.2%
Total Number of Injuries:	5	Left Turn:	2	8.3%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	0	Right Turn:	1	4.2%	Ped. Involved:	0	0.0%
Total Number of NonDisabling Injuries:	0	Rear End:	8	33.3%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	0	Side Swiped:	6	25.0%	Non Collision:	0	0.0%
Total Number of Bicycles Involved:	0	Head On:	3	12.5%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	1	Parked:	0	0.0%	Unspecified:	1	4.2%
Time of Day				#ACC	%	Day of week	
07:30 ~ 09:30:				2	8.3%	Sunday:	
09:30 ~ 11:30:				3	12.5%	Monday:	
11:30 ~ 13:30:				1	4.2%	Tuesday:	
13:30 ~ 16:00:				5	20.8%	Wednesday:	
16:00 ~ 18:30:				3	12.5%	Thursday:	
18:30 ~ 07:30:				10	41.7%	Friday:	
Unspecified:				0	0.0%	Saturday:	
07:30 ~ 09:30:				2	8.3%	Sunday:	
09:30 ~ 11:30:				3	12.5%	Monday:	
11:30 ~ 13:30:				1	4.2%	Tuesday:	
13:30 ~ 16:00:				5	20.8%	Wednesday:	
16:00 ~ 18:30:				3	12.5%	Thursday:	
18:30 ~ 07:30:				10	41.7%	Friday:	
Unspecified:				0	0.0%	Saturday:	
Weather Condition				#ACC	%	Surface Condition	
Clear:				17	70.8%	Dry:	
Rain:				5	20.8%	Wet:	
Snow:				0	0.0%	Snow/Ice:	
Sleet/Hail:				0	0.0%	Slush:	
Fog/Mist:				0	0.0%	Water/Sand:	
Crosswind/Blowing Sand:				1	4.2%	Repairing:	
Unspecified:				1	4.2%	Unspecified:	
Dry:				18	75.0%	Wet:	
Wet:				5	20.8%	Snow/Ice:	
Snow/Ice:				0	0.0%	Slush:	
Slush:				0	0.0%	Water/Sand:	
Water/Sand:				0	0.0%	Repairing:	
Repairing:				0	0.0%	Unspecified:	
Unspecified:				1	4.2%	Unspecified:	
Type of Vehicle				#VEH	%	Accident Severity Type	
Passenger Car:				34	73.9%	Fatal Collision:	
Bus:				5	10.9%	Injury Collision:	
Truck:				0	0.0%	PDO Collision:	
Taxi:				4	8.7%	Light Condition	
Minivan:				0	0.0%	Daylight:	
Police/Emergency Vehicle:				0	0.0%	Dawn/Dusk:	
Motorcycle/Moped:				1	2.2%	Dark(Lighted):	
Bicycle:				0	0.0%	Dark(Not Lighted):	
Fixed Object:				0	0.0%	Dark(Unknown Lighting):	
Unspecified:				2	4.3%	Unspecified:	
Fatal Collision:				0	0.0%	Daylight:	
Injury Collision:				5	20.8%	Dawn/Dusk:	
PDO Collision:				19	79.2%	Dark(Lighted):	
Light Condition				#ACC	%	Dark(Not Lighted):	
Daylight:				13	54.2%	Dark(Unknown Lighting):	
Dawn/Dusk:				0	0.0%	Unspecified:	
Dark(Lighted):				10	41.7%	Daylight:	
Dark(Not Lighted):				0	0.0%	Dawn/Dusk:	
Dark(Unknown Lighting):				0	0.0%	Dark(Lighted):	
Unspecified:				1	4.2%	Dark(Not Lighted):	
Contributing Factor				#VEH	%	Pedestrian Actions	
Driver: Speed:				0	0.0%	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:				9	19.6%	In Unmarked Crosswalk:	
Vehicle:				0	0.0%	Not in Crosswalk:	
Roadway:				3	6.5%	From Between Parked Cars:	
Unspecified:				34	73.9%	Unspecified:	
In Crosswalk with Signal:				0	0.0%	In Crosswalk against Signal:	
In Crosswalk against Signal:				0	0.0%	In Crosswalk no Signal:	
In Crosswalk no Signal:				0	0.0%	In Unmarked Crosswalk:	
In Unmarked Crosswalk:				0	0.0%	Not in Crosswalk:	
Not in Crosswalk:				0	0.0%	From Between Parked Cars:	
From Between Parked Cars:				0	0.0%	Unspecified:	
Unspecified:				0	0.0%	Unspecified:	

14 Records are not approved as of 12/31/2013 3:43:59 PM

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: 9TH ST,NW,SW From CONSTITUTION AVE,NW TO MAINE AVE,SW

Time Period Covered: From 05/07/2012 To 05/07/2013

Prepared By: Rahul Jain

Prepared Date: 12/31/2013

Total Number of Accident:	19	Collision Type	#ACC	%	Collision Type	#ACC	%
Total Number of Fatalities:	0	Right Angle:	4	21.1%	Fixed Object:	1	5.3%
Total Number of Injuries:	7	Left Turn:	1	5.3%	Ran Off Road:	0	0.0%
Total Number of Disabling Injuries:	1	Right Turn:	2	10.5%	Ped. Involved:	2	10.5%
Total Number of NonDisabling Injuries:	0	Rear End:	4	21.1%	Backing:	0	0.0%
Total Number of Pedestrians Involved:	2	Side Swiped:	2	10.5%	Non Collision:	1	5.3%
Total Number of Bicycles Involved:	0	Head On:	0	0.0%	Under/Over Ride:	0	0.0%
Total Number of Motorcycles Involved:	1	Parked:	0	0.0%	Unspecified:	2	10.5%
Time of Day				#ACC	%	Day of week	
07:30 ~ 09:30:				3	15.8%	Sunday:	
09:30 ~ 11:30:				2	10.5%	Monday:	
11:30 ~ 13:30:				1	5.3%	Tuesday:	
13:30 ~ 16:00:				2	10.5%	Wednesday:	
16:00 ~ 18:30:				5	26.3%	Thursday:	
18:30 ~ 07:30:				6	31.6%	Friday:	
Unspecified:				0	0.0%	Saturday:	
Weather Condition				#ACC	%	Surface Condition	
Clear:				14	73.7%	Dry:	
Rain:				4	21.1%	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	5.3%	Unspecified:	
Type of Vehicle				#VEH	%	Accident Severity Type	
Passenger Car:				18	51.4%	Fatal Collision:	
Bus:				6	17.1%	Injury Collision:	
Truck:				1	2.9%	PDO Collision:	
Taxi:				5	14.3%	Light Condition	
Minivan:				0	0.0%	Daylight:	
Police/Emergency Vehicle:				0	0.0%	Dawn/Dusk:	
Motorcycle/Moped:				2	5.7%	Dark(Lighted):	
Bicycle:				0	0.0%	Dark(Not Lighted):	
Fixed Object:				0	0.0%	Dark(Unknown Lighting):	
Unspecified:				3	8.6%	Unspecified:	
Contributing Factor				#VEH	%	Pedestrian Actions	
Driver: Speed:				0	0.0%	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:				7	20.0%	In Unmarked Crosswalk:	
Vehicle:				0	0.0%	Not in Crosswalk:	
Roadway:				1	2.9%	From Between Parked Cars:	
Unspecified:				27	77.1%	Unspecified:	

12 Records are not approved as of 12/31/2013 3:42:51 PM