



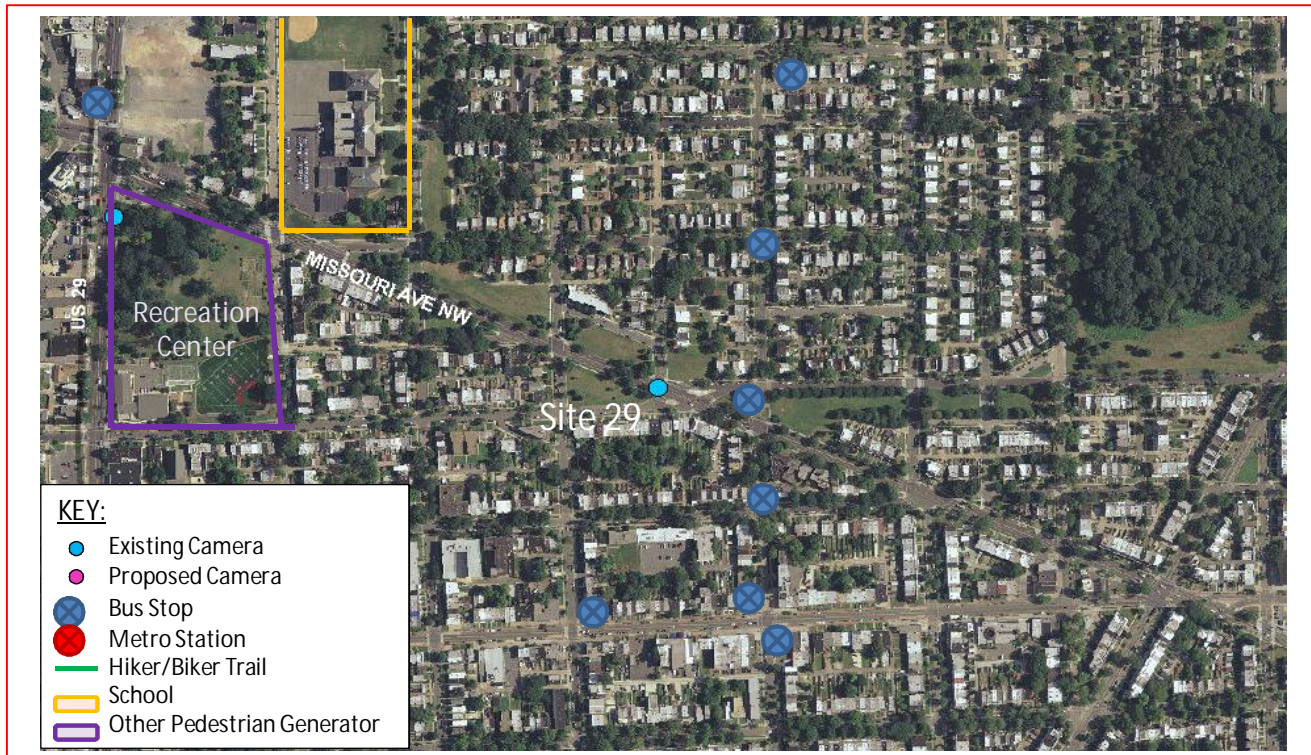
District Department of Transportation

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

600 Block Missouri Avenue NW NW/B

Study Area and Location

| District | PSA | Ward | ANC | Phase | Description |
|----------|-----|------|-----|----------|---|
| 4 | 402 | 4 | 4B | Existing | 600 Block Missouri Avenue Northwest Northwest-bound |



The existing speed camera is located in Ward 4 at the 600 Block of Missouri Avenue Northwest in the northwest-bound direction. The location is between the intersections of 7th Street Northwest and 6th Street Northwest. Missouri Avenue runs between 14th Street Northwest in the west and North Capital Street Northwest in the east. The posted speed limit is 25 MPH. This speed camera was installed in September 2011.

W4 - 21





District Department of Transportation

600 Block Missouri Avenue NW NW/B

Field Assessment Summary

Missouri Avenue Northwest is assumed to run in the East-West direction, and is classified as a minor arterial. Missouri Avenue Northwest is a bi-directional roadway with two travel lanes in each direction with no center median. It intersects 7th Street Northwest and 6th Street Northwest which are both under two-way stop-control. The speed camera was not on site during the field investigation. This site has the following characteristics:

- This is a residential area with houses and driveways.
- Emery Recreation Center is in the area.
- There is one school in the area: Paul Public Charter School.
- There is moderate traffic flow in both directions of travel.
- Concrete sidewalks exist only on the south side of the street.
- The asphalt pavement conditions are fair, and the drainage type is curb and gutter.



Looking Northbound



District Department of Transportation

600 Block Missouri Avenue NW NW/B



Looking Southbound

Speed Data Analysis

| | |
|-----------------------------|-----------|
| Posted Speed Limit (MPH) | 25 |
| Mean Speed (MPH) | 22 |
| 85th Percentile Speed (MPH) | 27 |
| 10 MPH Pace Speed | 20-29 MPH |
| ADT | 7,059 |

The mean speed is 3 MPH lower than the posted speed limit, and the 85th percentile speed is 2 MPH higher 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 23 crashes at this location. A breakdown of collision type can be found in the chart on the next page.

The most common type of crashes at this location were Rear End (6 crashes), Right Angle (5 crashes), and Side Swiped (4 crashes). The other collision types had less than two crashes or less. Two crashes involved pedestrians in crosswalk with signal. Three crashes involved a contributing factor of the driver speeding.

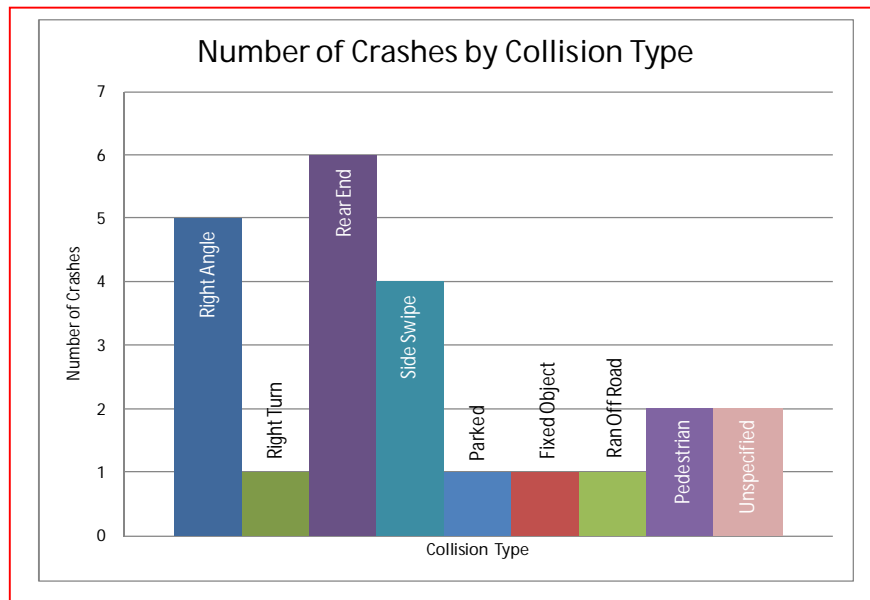
W4 - 23



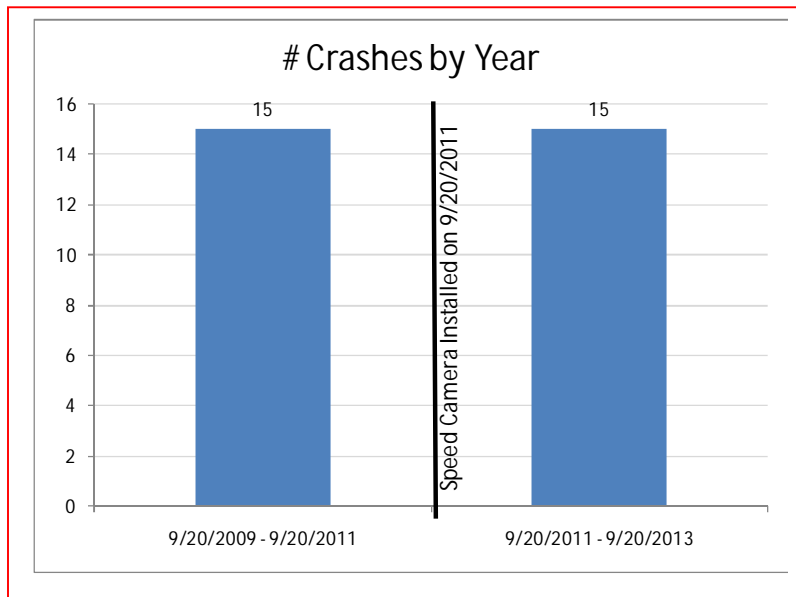
District Department of Transportation

600 Block Missouri Avenue NW NW/B

| Severity | | | Weather | | | Surface condition | | | Light Condition | | |
|----------|----|-------|---------|----|-------|-------------------|----|-------|-----------------|----|-------|
| Total | 23 | | | | | | | | | | |
| Fatal | 0 | 0.0% | Clear | 21 | 91.3% | Dry | 21 | 91.3% | Day | 17 | 73.9% |
| Injury | 9 | 39.1% | Rain | 1 | 4.3% | Wet | 1 | 4.3% | Night | 5 | 21.7% |
| Bus | 3 | 13.0% | Snow | 0 | 0.0% | Snow/Ice | 0 | 0.0% | | | |
| Truck | 2 | 8.7% | | | | | | | | | |



The speed camera was installed on 9-20-2011. The graph on the next page shows the number of crashes in the two years prior to the speed camera's installation (15 crashes) and the two years after the speed camera's installation (15 crashes). There was no change in the number of crashes after the installation of the speed camera. There were nine injuries in the two years prior installing the camera and five injuries in the two years after installing the speed camera.



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 higher than the posted speed limit.
2. Crash Data – There is a number of rear end and right angle crashes. There were no changes in the number of crashes since the installation of the speed camera.
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 both sides of the street
 - b. There is one school in the area: Paul Public Charter School
 - c. Emery Recreation Center is in the area which generates pedestrian and bicycle activity
 - d. There are multiple bus stops in the area which generate pedestrian activity.

Although the crash data analysis did not show a reduction in the number of crashes since the installation of the speed camera, the speed data analysis show an elevated 85th percentile speed at the location. Due to the speed data analysis, specific site characteristics of a residential area, the school zone in the area and the emphasis on pedestrian safety, 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

600 block of Missouri Ave NW Speed

| NWB | | | | | | | | | | | | | | | |
|----------|-----|-----|------|------|-----|----|----|----|----|----|----|----|----|-----|-------|
| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 | 76 | |
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
| 11/12/13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 02:00 | 0 | 2 | 11 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 03:00 | 0 | 0 | 10 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 04:00 | 2 | 7 | 14 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 05:00 | 12 | 19 | 54 | 38 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 |
| 06:00 | 19 | 15 | 127 | 120 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 290 |
| 07:00 | 66 | 40 | 255 | 144 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 527 |
| 08:00 | 51 | 27 | 274 | 206 | 19 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 578 |
| 09:00 | 31 | 28 | 266 | 146 | 23 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 495 |
| 10:00 | 59 | 24 | 126 | 99 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325 |
| 11:00 | 44 | 24 | 135 | 109 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 331 |
| 12 PM | 37 | 32 | 129 | 101 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 317 |
| 13:00 | 46 | 32 | 156 | 95 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 341 |
| 14:00 | 50 | 36 | 169 | 97 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 370 |
| 15:00 | 67 | 59 | 237 | 124 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 |
| 16:00 | 78 | 52 | 277 | 117 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 539 |
| 17:00 | 73 | 91 | 264 | 83 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 522 |
| 18:00 | 59 | 89 | 249 | 83 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 488 |
| 19:00 | 48 | 52 | 155 | 65 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 332 |
| 20:00 | 24 | 21 | 121 | 84 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 261 |
| 21:00 | 25 | 21 | 117 | 79 | 21 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 264 |
| 22:00 | 20 | 8 | 111 | 50 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 194 |
| 23:00 | 10 | 10 | 53 | 33 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 |
| Total | 821 | 690 | 3313 | 1910 | 260 | 15 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7013 |

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

www.sammatteng.com

600 block of Missouri Ave NW Speed

| NWB | | | | | | | | | | | | | | | | |
|-------------|-----|-----|------|------|-----|----|----|----|----|----|----|----|----|-----|-------|------|
| Start Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total | |
| 11/13/13 | 1 | 6 | 16 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 01:00 | 0 | 3 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 02:00 | 0 | 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 | 1 | 9 | 17 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| Grand Total | 822 | 699 | 3330 | 1929 | 260 | 15 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7059 |

15th Percentile : 10 MPH
 50th Percentile : 22 MPH
 85th Percentile : 27 MPH
 95th Percentile : 30 MPH

Stats
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 20-29 MPH
 Number in Pace : 4237
 Percent in Pace : 60.0%
 Number of Vehicles > 25 MPH : 2079
 Percent of Vehicles > 25 MPH : 29.5%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
MOUNT AIRY, MD 21771

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600 block of Missouri Ave NW Speed

SEB

| Start Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|------|------|------|------|-----|----|----|----|----|----|----|----|----|-----|-------|
| 11/12/13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | 2 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 02:00 | 1 | 5 | 11 | 10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 03:00 | 5 | 6 | 13 | 14 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| 04:00 | 2 | 8 | 24 | 33 | 6 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 77 |
| 05:00 | 9 | 15 | 102 | 74 | 18 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 227 |
| 06:00 | 45 | 88 | 244 | 130 | 18 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 534 |
| 07:00 | 90 | 210 | 259 | 87 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 657 |
| 08:00 | 141 | 175 | 271 | 61 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 657 |
| 09:00 | 54 | 79 | 252 | 103 | 19 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509 |
| 10:00 | 75 | 77 | 188 | 119 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 475 |
| 11:00 | 47 | 72 | 174 | 99 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 404 |
| 12 PM | 55 | 80 | 203 | 63 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 415 |
| 13:00 | 51 | 54 | 168 | 80 | 16 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 373 |
| 14:00 | 65 | 79 | 195 | 61 | 12 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 415 |
| 15:00 | 81 | 110 | 135 | 49 | 18 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 395 |
| 16:00 | 76 | 81 | 170 | 68 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 412 |
| 17:00 | 77 | 91 | 217 | 67 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 465 |
| 18:00 | 83 | 78 | 175 | 65 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 409 |
| 19:00 | 50 | 62 | 110 | 64 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 295 |
| 20:00 | 40 | 55 | 105 | 44 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 259 |
| 21:00 | 36 | 30 | 82 | 59 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 229 |
| 22:00 | 22 | 23 | 72 | 40 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 173 |
| 23:00 | 14 | 11 | 37 | 30 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 |
| Total | 1121 | 1489 | 3209 | 1421 | 255 | 56 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 7560 |

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1515 RISING RIDGE ROAD
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600 block of Missouri Ave NW Speed

SEB

| Start Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|-------------|------|------|------|------|-----|----|----|----|----|----|----|----|----|-----|-------|
| 11/13/13 | 7 | 4 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 01:00 | 3 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 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 | 10 | 10 | 20 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| Grand Total | 1131 | 1499 | 3229 | 1428 | 255 | 56 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 7607 |

15th Percentile : 9 MPH
 50th Percentile : 20 MPH
 85th Percentile : 26 MPH
 95th Percentile : 29 MPH

Stats
 Mean Speed(Average) : 19 MPH
 10 MPH Pace Speed : 18-27 MPH
 Number in Pace : 3860
 Percent in Pace : 50.7%
 Number of Vehicles > 25 MPH : 1613
 Percent of Vehicles > 25 MPH : 21.2%

SAMMAT ENGINEERING SERVICES, LLC

1515 RISING RIDGE ROAD
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600 block of Missouri Ave NW Volume

| Start Time | 12-Nov-13 Tue | | NWB | | SEB | | Combined | | 13-Nov- Wed | NWB | | SEB | | 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 | * | 93 | * | 120 | * | 213 | | | | 20 | * | 16 | * | 36 | * |
| 12:15 | * | 74 | * | 95 | * | 169 | | | | 9 | * | 10 | * | 19 | * |
| 12:30 | * | 73 | * | 97 | * | 170 | | | | 3 | * | 3 | * | 6 | * |
| 12:45 | * | 77 | * | 103 | * | 180 | | | | 6 | * | 4 | * | 10 | * |
| 01:00 | * | 95 | * | 87 | * | 182 | | | | 2 | * | 5 | * | 7 | * |
| 01:15 | * | 83 | * | 81 | * | 164 | | | | 4 | * | 6 | * | 10 | * |
| 01:30 | * | 86 | * | 107 | * | 193 | | | | 2 | * | 3 | * | 5 | * |
| 01:45 | 8 | 77 | 6 | 98 | 14 | 175 | | | | * | * | * | * | * | * |
| 02:00 | 7 | 80 | 9 | 97 | 16 | 177 | | | | * | * | * | * | * | * |
| 02:15 | 10 | 80 | 4 | 120 | 14 | 200 | | | | * | * | * | * | * | * |
| 02:30 | 3 | 91 | 9 | 105 | 12 | 196 | | | | * | * | * | * | * | * |
| 02:45 | 5 | 119 | 11 | 93 | 16 | 212 | | | | * | * | * | * | * | * |
| 03:00 | 5 | 131 | 8 | 109 | 13 | 240 | | | | * | * | * | * | * | * |
| 03:15 | 7 | 116 | 14 | 86 | 21 | 202 | | | | * | * | * | * | * | * |
| 03:30 | 8 | 118 | 11 | 90 | 19 | 208 | | | | * | * | * | * | * | * |
| 03:45 | 3 | 135 | 12 | 110 | 15 | 245 | | | | * | * | * | * | * | * |
| 04:00 | 5 | 139 | 8 | 111 | 13 | 250 | | | | * | * | * | * | * | * |
| 04:15 | 8 | 133 | 10 | 98 | 18 | 231 | | | | * | * | * | * | * | * |
| 04:30 | 10 | 146 | 24 | 94 | 34 | 240 | | | | * | * | * | * | * | * |
| 04:45 | 15 | 121 | 35 | 109 | 50 | 230 | | | | * | * | * | * | * | * |
| 05:00 | 24 | 139 | 31 | 93 | 55 | 232 | | | | * | * | * | * | * | * |
| 05:15 | 19 | 134 | 41 | 131 | 60 | 265 | | | | * | * | * | * | * | * |
| 05:30 | 50 | 150 | 74 | 115 | 124 | 265 | | | | * | * | * | * | * | * |
| 05:45 | 41 | 99 | 81 | 126 | 122 | 225 | | | | * | * | * | * | * | * |
| 06:00 | 54 | 114 | 81 | 85 | 135 | 199 | | | | * | * | * | * | * | * |
| 06:15 | 69 | 112 | 139 | 119 | 208 | 231 | | | | * | * | * | * | * | * |
| 06:30 | 79 | 135 | 140 | 95 | 219 | 230 | | | | * | * | * | * | * | * |
| 06:45 | 88 | 127 | 174 | 110 | 262 | 237 | | | | * | * | * | * | * | * |
| 07:00 | 87 | 101 | 192 | 79 | 279 | 180 | | | | * | * | * | * | * | * |
| 07:15 | 131 | 71 | 136 | 77 | 267 | 148 | | | | * | * | * | * | * | * |
| 07:30 | 155 | 72 | 157 | 61 | 312 | 133 | | | | * | * | * | * | * | * |
| 07:45 | 154 | 88 | 172 | 78 | 326 | 166 | | | | * | * | * | * | * | * |
| 08:00 | 150 | 68 | 174 | 64 | 324 | 132 | | | | * | * | * | * | * | * |
| 08:15 | 147 | 64 | 186 | 67 | 333 | 131 | | | | * | * | * | * | * | * |
| 08:30 | 131 | 69 | 136 | 65 | 267 | 134 | | | | * | * | * | * | * | * |
| 08:45 | 150 | 60 | 161 | 63 | 311 | 123 | | | | * | * | * | * | * | * |
| 09:00 | 134 | 58 | 126 | 55 | 260 | 113 | | | | * | * | * | * | * | * |
| 09:15 | 125 | 78 | 139 | 63 | 264 | 141 | | | | * | * | * | * | * | * |
| 09:30 | 128 | 57 | 117 | 62 | 245 | 119 | | | | * | * | * | * | * | * |
| 09:45 | 108 | 71 | 127 | 49 | 235 | 120 | | | | * | * | * | * | * | * |
| 10:00 | 72 | 31 | 145 | 36 | 217 | 67 | | | | * | * | * | * | * | * |
| 10:15 | 88 | 62 | 111 | 54 | 199 | 116 | | | | * | * | * | * | * | * |
| 10:30 | 92 | 48 | 124 | 49 | 216 | 97 | | | | * | * | * | * | * | * |
| 10:45 | 73 | 53 | 95 | 34 | 168 | 87 | | | | * | * | * | * | * | * |
| 11:00 | 85 | 38 | 93 | 31 | 178 | 69 | | | | * | * | * | * | * | * |
| 11:15 | 91 | 32 | 107 | 34 | 198 | 66 | | | | * | * | * | * | * | * |
| 11:30 | 66 | 26 | 113 | 13 | 179 | 39 | | | | * | * | * | * | * | * |
| 11:45 | 89 | 15 | 91 | 18 | 180 | 33 | | | | * | * | * | * | * | * |

| | | | | | | | | | | | | | | | |
|-----------|--------------|--------------|--------------|--------------|---------------|--------------|--|--|-------------|------|-------------|------|-------------|----|---|
| Total | 2774 | 4239 | 3624 | 3936 | 6398 | 8175 | | | | 46 | 0 | 47 | 0 | 93 | 0 |
| Day Total | 7013 | | 7560 | | 14573 | | | | | 46 | | 47 | | 93 | |
| % Total | 19.0% | 29.1% | 24.9% | 27.0% | | | | | 49.5% | 0.0% | 50.5% | 0.0% | | | |
| Peak Vol. | 07:30 606 | 03:45 553 | 07:30 689 | 05:00 465 | 07:30 1295 | 04:45 992 | | | 12:00 38 | | 12:00 33 | | 12:00 71 | | |
| P.H.F. | 0.977 | 0.947 | 0.897 | 0.887 | 0.972 | 0.936 | | | 0.475 | | 0.516 | | 0.493 | | |

ADT ADT 14,666 AADT 14,666

Accident Summary Report (R-8)

Corridor: MISSOURI AVE,NW From FIFTH ST,NW TO SEVENTH ST,NW

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: | 23 | Right Angle: | 5 | 21.7% | Fixed Object: | 1 | 4.3% |
| Total Number of Fatalities: | 0 | Left Turn: | 0 | 0.0% | Ran Off Road: | 1 | 4.3% |
| Total Number of Injuries: | 11 | Right Turn: | 1 | 4.3% | Ped. Involved: | 2 | 8.7% |
| Total Number of Disabling Injuries: | 2 | Rear End: | 6 | 26.1% | Backing: | 0 | 0.0% |
| Total Number of NonDisabling Injuries: | 1 | Side Swiped: | 4 | 17.4% | Non Collision: | 0 | 0.0% |
| Total Number of Pedestrians Involved: | 2 | Head On: | 0 | 0.0% | Under/Over Ride: | 0 | 0.0% |
| Total Number of Bicycles Involved: | 0 | Parked: | 1 | 4.3% | Unspecified: | 2 | 8.7% |
| Total Number of Motorcycles Involved: | 0 | | | | | | |

| Time of Day | #ACC | % | Day o fweek | #ACC | % |
|--------------------|-------------|----------|--------------------|-------------|----------|
| 07:30 ~ 09:30: | 1 | 4.3% | Sunday: | 5 | 21.7% |
| 09:30 ~ 11:30: | 3 | 13.0% | Monday: | 2 | 8.7% |
| 11:30 ~ 13:30: | 3 | 13.0% | Tuesday: | 2 | 8.7% |
| 13:30 ~ 16:00: | 4 | 17.4% | Wednesday: | 1 | 4.3% |
| 16:00 ~18:30: | 8 | 34.8% | Thursday: | 5 | 21.7% |
| 18:30 ~ 07:30: | 4 | 17.4% | Friday: | 1 | 4.3% |
| Unspecified: | 0 | 0.0% | Saturday: | 7 | 30.4% |

| Weather Condition | #ACC | % | Surface Condition | #ACC | % |
|--------------------------|-------------|----------|--------------------------|-------------|----------|
| Clear: | 21 | 91.3% | Dry: | 21 | 91.3% |
| Rain: | 1 | 4.3% | Wet: | 1 | 4.3% |
| 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: | 1 | 4.3% | Unspecified: | 1 | 4.3% |

| Type of Vehicle | #VEH | % | Accident Severity Type | #ACC | % |
|---------------------------|-------------|----------|-------------------------------|-------------|----------|
| Passenger Car: | 33 | 80.5% | Fatal Collision: | 0 | 0.0% |
| Bus: | 3 | 7.3% | Injury Collision: | 9 | 39.1% |
| Truck: | 2 | 4.9% | PDO Collision: | 14 | 60.9% |
| Taxi: | 1 | 2.4% | | | |
| Minivan: | 0 | 0.0% | Light Condition | #ACC | % |
| Police/Emergency Vehicle: | 0 | 0.0% | Daylight: | 17 | 73.9% |
| Motorcycle/Moped: | 0 | 0.0% | Dawn/Dusk: | 0 | 0.0% |
| Bicycle: | 0 | 0.0% | Dark(Lighted): | 5 | 21.7% |
| Fixed Object: | 0 | 0.0% | Dark(Not Lighted): | 0 | 0.0% |
| Unspecified: | 2 | 4.9% | Dark(Unknown Lighting): | 0 | 0.0% |
| | | | Unspecified: | 1 | 4.3% |

| Contributing Factor | #VEH | % | Pedestrian Actions | #ACC | % |
|----------------------------|-------------|----------|------------------------------|-------------|----------|
| Driver: Speed: | 3 | 7.3% | 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: | 8 | 19.5% | In Unmarked Crosswalk: | 0 | 0.0% |
| Vehicle: | 0 | 0.0% | Not in Crosswalk: | 0 | 0.0% |
| Roadway: | 1 | 2.4% | From Between Parked Cars: | 0 | 0.0% |
| Unspecified: | 29 | 70.7% | Unspecified: | 0 | 0.0% |

15 Records are not approved as of 9/15/2013 12:40:40 PM

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: MISSOURI AVE,NW From FIFTH ST,NW TO SEVENTH ST,NW

Time Period Covered: From 09/19/2009 To 09/19/2011

Prepared By: Rahul Jain

Prepared Date: 11/18/2011

| | | | | | | | |
|--|----|-----------------------|-------------|-------------|-----------------------|-------------------------------|----------|
| Total Number of Accident: | 15 | Collision Type | #ACC | % | Collision Type | #ACC | % |
| Total Number of Fatalities: | 0 | Right Angle: | 5 | 33.3% | Fixed Object: | 0 | 0.0% |
| Total Number of Injuries: | 9 | Left Turn: | 0 | 0.0% | Ran Off Road: | 1 | 6.7% |
| Total Number of Disabling Injuries: | 2 | Right Turn: | 1 | 6.7% | Ped. Involved: | 2 | 13.3% |
| Total Number of NonDisabling Injuries: | 0 | Rear End: | 1 | 6.7% | Backing: | 0 | 0.0% |
| Total Number of Pedestrians Involved: | 2 | Side Swiped: | 3 | 20.0% | Non Collision: | 0 | 0.0% |
| Total Number of Bicycles Involved: | 0 | Head On: | 0 | 0.0% | Under/Over Ride: | 0 | 0.0% |
| Total Number of Motorcycles Involved: | 0 | Parked: | 1 | 6.7% | Unspecified: | 1 | 6.7% |
| Time of Day | | | | #ACC | % | Day of week | |
| 07:30 ~ 09:30: | | | | 1 | 6.7% | Sunday: | |
| 09:30 ~ 11:30: | | | | 3 | 20.0% | Monday: | |
| 11:30 ~ 13:30: | | | | 2 | 13.3% | Tuesday: | |
| 13:30 ~ 16:00: | | | | 2 | 13.3% | Wednesday: | |
| 16:00 ~ 18:30: | | | | 4 | 26.7% | Thursday: | |
| 18:30 ~ 07:30: | | | | 3 | 20.0% | Friday: | |
| Unspecified: | | | | 0 | 0.0% | Saturday: | |
| Weather Condition | | | | #ACC | % | Surface Condition | |
| Clear: | | | | 14 | 93.3% | Dry: | |
| Rain: | | | | 1 | 6.7% | 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: | | | | 0 | 0.0% | Unspecified: | |
| Type of Vehicle | | | | #VEH | % | Accident Severity Type | |
| Passenger Car: | | | | 19 | 76.0% | Fatal Collision: | |
| Bus: | | | | 3 | 12.0% | Injury Collision: | |
| Truck: | | | | 2 | 8.0% | PDO Collision: | |
| Taxi: | | | | 1 | 4.0% | Light Condition | |
| Minivan: | | | | 0 | 0.0% | Daylight: | |
| Police/Emergency Vehicle: | | | | 0 | 0.0% | 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 | 4.0% | 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 | 36.0% | In Unmarked Crosswalk: | |
| Vehicle: | | | | 0 | 0.0% | Not in Crosswalk: | |
| Roadway: | | | | 1 | 4.0% | From Between Parked Cars: | |
| Unspecified: | | | | 14 | 56.0% | Unspecified: | |

8 Records are not approved as of 11/18/2013 2:43:59 PM

DC Department of Transportation - Traffic Accident Reporting and Analysis System

Accident Summary Report (R-8)

Corridor: MISSOURI AVE,NW From FIFTH ST,NW TO SEVENTH ST,NW

Time Period Covered: From 09/20/2011 To 09/20/2013

Prepared By: Rahul Jain

Prepared Date: 11/18/2013

| | | | | | | | |
|--|----|-----------------------|-------------|-------------|-----------------------|-------------------------------|----------|
| Total Number of Accident: | 15 | Collision Type | #ACC | % | Collision Type | #ACC | % |
| Total Number of Fatalities: | 0 | Right Angle: | 2 | 13.3% | Fixed Object: | 1 | 6.7% |
| Total Number of Injuries: | 5 | Left Turn: | 1 | 6.7% | Ran Off Road: | 0 | 0.0% |
| Total Number of Disabling Injuries: | 0 | Right Turn: | 0 | 0.0% | Ped. Involved: | 1 | 6.7% |
| Total Number of NonDisabling Injuries: | 1 | Rear End: | 6 | 40.0% | Backing: | 0 | 0.0% |
| Total Number of Pedestrians Involved: | 1 | Side Swiped: | 3 | 20.0% | Non Collision: | 0 | 0.0% |
| Total Number of Bicycles Involved: | 0 | Head On: | 0 | 0.0% | Under/Over Ride: | 0 | 0.0% |
| Total Number of Motorcycles Involved: | 0 | Parked: | 0 | 0.0% | Unspecified: | 1 | 6.7% |
| Time of Day | | | | #ACC | % | Day of week | |
| 07:30 ~ 09:30: | | | | 1 | 6.7% | Sunday: | |
| 09:30 ~ 11:30: | | | | 1 | 6.7% | Monday: | |
| 11:30 ~ 13:30: | | | | 1 | 6.7% | Tuesday: | |
| 13:30 ~ 16:00: | | | | 2 | 13.3% | Wednesday: | |
| 16:00 ~ 18:30: | | | | 7 | 46.7% | Thursday: | |
| 18:30 ~ 07:30: | | | | 3 | 20.0% | Friday: | |
| Unspecified: | | | | 0 | 0.0% | Saturday: | |
| 07:30 ~ 09:30: | | | | 1 | 6.7% | Sunday: | |
| 09:30 ~ 11:30: | | | | 1 | 6.7% | Monday: | |
| 11:30 ~ 13:30: | | | | 1 | 6.7% | Tuesday: | |
| 13:30 ~ 16:00: | | | | 2 | 13.3% | Wednesday: | |
| 16:00 ~ 18:30: | | | | 7 | 46.7% | Thursday: | |
| 18:30 ~ 07:30: | | | | 3 | 20.0% | Friday: | |
| Unspecified: | | | | 0 | 0.0% | Saturday: | |
| Weather Condition | | | | #ACC | % | Surface Condition | |
| Clear: | | | | 14 | 93.3% | 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 | 6.7% | Unspecified: | |
| Clear: | | | | 14 | 93.3% | 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 | 6.7% | Unspecified: | |
| Type of Vehicle | | | | #VEH | % | Accident Severity Type | |
| Passenger Car: | | | | 22 | 78.6% | Fatal Collision: | |
| Bus: | | | | 1 | 3.6% | Injury Collision: | |
| Truck: | | | | 2 | 7.1% | PDO Collision: | |
| Taxi: | | | | 1 | 3.6% | | |
| Minivan: | | | | 0 | 0.0% | Light Condition | |
| Police/Emergency Vehicle: | | | | 0 | 0.0% | Daylight: | |
| Motorcycle/Moped: | | | | 0 | 0.0% | Dawn/Dusk: | |
| Bicycle: | | | | 0 | 0.0% | Dark(Lighted): | |
| Fixed Object: | | | | 0 | 0.0% | Dark(Not Lighted): | |
| Unspecified: | | | | 2 | 7.1% | Dark(Unknown Lighting): | |
| Passenger Car: | | | | 22 | 78.6% | Unspecified: | |
| Bus: | | | | 1 | 3.6% | | |
| Truck: | | | | 2 | 7.1% | | |
| Taxi: | | | | 1 | 3.6% | | |
| 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: | | | | 2 | 7.1% | | |
| Contributing Factor | | | | #VEH | % | Pedestrian Actions | |
| Driver: Speed: | | | | 2 | 7.1% | 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: | | | | 3 | 10.7% | In Unmarked Crosswalk: | |
| Vehicle: | | | | 0 | 0.0% | Not in Crosswalk: | |
| Roadway: | | | | 0 | 0.0% | From Between Parked Cars: | |
| Unspecified: | | | | 23 | 82.1% | Unspecified: | |
| Driver: Speed: | | | | 2 | 7.1% | 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: | | | | 3 | 10.7% | In Unmarked Crosswalk: | |
| Vehicle: | | | | 0 | 0.0% | Not in Crosswalk: | |
| Roadway: | | | | 0 | 0.0% | From Between Parked Cars: | |
| Unspecified: | | | | 23 | 82.1% | Unspecified: | |

8 Records are not approved as of 11/18/2013 2:43:03 PM