

DRAFT

PLAINFIELD  
FRANKLIN  
CUMMINGTON  
**PIONEER VALLEY**

WORTHINGTON  
GOSHEN  
CHESTERFIELD  
WILLIAMSBURG  
MIDDLEFIELD  
AMHERST  
PELHAM  
**SAFETY COMPASS**

OCTOBER 2017

BERKSHIRE  
CHESTER  
HUNTINGTON  
WESTHAMPTON  
EASTHAMPTON  
SOUTH  
PREPARED UNDER THE DIRECTION OF THE PIONEER VALLEY MPO BY:

MONTGOMERY  
PIONEER VALLEY PLANNING COMMISSION

BLANDFORD  
RUSSELL  
WESTFIELD  
WEST SPRINGFIELD  
CHICOPEE  
SPRINGFIELD  
WILBRAHAM  
PALMER  
WARE  
BELCHERTOWN  
GRANBY  
BRIMFIELD

Prepared in cooperation with the Massachusetts Department of Transportation and the U.S. Department of Transportation. The views and opinions of the Pioneer Valley Planning Commission expressed herein do not necessarily state or reflect those of the Massachusetts Department of Transportation or the U.S. Department of Transportation

LONGMEADOW



# DRAFT

## Background:

Identifying safety trends on the number, type, and location of crashes is an important step in developing and implementing recommendations to improve safety. The Pioneer Valley Planning Commission (PVPC) performs a variety of studies to assist member communities with safety-related planning. The regional *Top 100 High Crash Intersections* report identifies the intersections, roadway segments, and rotaries with the highest number of crashes. A vast majority of the top locations included in this report are located within in the urban core. While this is an important function to identify high crash locations on a regional scale, it does not provide any information on local crash experience at the community level.

Based on feedback from transportation planning stakeholders and representatives from member communities, the Pioneer Valley Planning Commission developed the concept of the **SafetyCompass** for the region. The goal of this report is to summarize crash data trends for each of the 43 communities in the Pioneer Valley and identify patterns that can assist local authorities in developing appropriate strategies to increase safety.

## Objectives:

The primary objectives of the task are:

- 1) Summarize the latest community wide crash history
- 2) Identify top crash locations within each community
- 3) Classify predominant trends that lead to traffic safety concerns within individual communities

- 4) Provide a graphical representation of the crash patterns for each community
- 5) Emphasize non-motorist crashes and fatal crashes locations

## Methodology:

In order to summarize the crash history and identify the key findings, the PVPC utilized the crash data for individual communities between the period of 2012 to 2014. These were identified with the help of the Massachusetts Department of Transportation (MassDOT)'s online 'Crash Portal' tool. Geographical Information System (GIS) tools were utilized to develop maps of crashes and to identify the top crash locations within each community. The final format for the **SafetyCompass** was developed in cooperation with the Pioneer Valley Joint Transportation Committee (JTC). The JTC recommended a separate approach for rural and urban communities recognizing the difference in the nature of crashes in rural and urban areas.

## Urban vs. Rural:

To demarcate whether a community is Urban or Rural, the PVPC utilized the U.S. Census Bureau's 2010 Census data. Any community which had more than 50% of its population within a designated urban area was classified as urban for the entire community.

## Definitions and Limitations:

- 1) To extract the top crash locations within each community, the PVPC utilized the Equivalent Property Damage Only (EPDO) method. This takes into account the number of crashes and the severity of each crash. It places a larger

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emphasis on a fatal crash (10 points), compared to an injury crash (5 points), and property damage only crash (1 point). Using GIS tools, crashes attributed to each intersection were identified based on a 200 foot radius around each intersection. This ensured the process was consistent with the one adopted in previous reports. For some intersections in the region where more than four approaches merged, the buffer was redefined to ensure that no intersection crashes were omitted.

- 2) Some of the rural communities experienced a very low number of crashes. In such cases, it was possible to examine and investigate these occurrences in further detail compared to the communities which had more crashes.
- 3) A small percentage of the total crashes within the region do not have sufficient data associated with them. As a result, these crashes could not be geographically located and plotted on the map. This results in a variance in the number of crashes summarized in the tables and the crashes depicted on the maps.
- 4) In the 'Crash Severity' section, the fatal crashes listed are the total of the number of crashes that resulted in a fatality, not the total number of fatalities. In some incidents, a single crash may have resulted in more than one fatality.
- 5) At times, there were some discrepancies between two or more similar data fields for a community. In such cases, the more reliable data field was utilized and corrections were made to the other fields.
- 6) The 'Driver Contribution Codes' associated with a crash consists of all the factors contributing to a crash for each of the vehicles involved in the crash. In rural communities with fewer crashes, these contributing codes were summarized for every crash. However, time constraints prevented this level of detail for larger communities with much higher crash totals. Instead, the 'Driver Contribution Codes' only reflect 'Single Vehicle Crashes' in urban communities.
- 7) Some rural communities had very few locations at which multiple crashes occurred. When it was not possible to identify the top 3 high crash locations for a community, a listing of all of the injury crash locations was provided.
- 8) MassDOT classifies the location of crashes into several categories. Crashes that occur inside of a rotary or roundabout are designated as having occurred at a 'Traffic Circle'. Crashes that occurred on an approach to a rotary or roundabout may be designated as having occurred at an intersection or off-ramp. Similarly, crashes that occur along the interstate highway system may be designated as having occurred at the on-ramp, off-ramp, or not at a junction. As a result, the total number of crashes reported in the 'Location of Crashes' table does not always correspond with the crash totals for the high crash intersections in each community.

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## Urban and Rural Communities in the Pioneer Valley Region

| No. | Community       | Total Population | Urban  | Rural | % Urban | % Rural | Urban/Rural |
|-----|-----------------|------------------|--------|-------|---------|---------|-------------|
| 1   | Agawam          | 28,438           | 27,086 | 1,352 | 95%     | 5%      | Urban       |
| 2   | Amherst         | 37,819           | 35,664 | 2,155 | 94%     | 6%      | Urban       |
| 3   | Belchertown     | 14,649           | 5,915  | 8,734 | 40%     | 60%     | Rural       |
| 4   | Blandford       | 1,233            | 0      | 1,233 | 0%      | 100%    | Rural       |
| 5   | Brimfield       | 3,609            | 0      | 3,609 | 0%      | 100%    | Rural       |
| 6   | Chester         | 1,337            | 0      | 1,337 | 0%      | 100%    | Rural       |
| 7   | Chesterfield    | 1,222            | 0      | 1,222 | 0%      | 100%    | Rural       |
| 8   | Chicopee        | 55,298           | 55,298 | 0     | 100%    | 0%      | Urban       |
| 9   | Cummington      | 872              | 0      | 872   | 0%      | 100%    | Rural       |
| 10  | East Longmeadow | 15,720           | 15,436 | 284   | 98%     | 2%      | Urban       |
| 11  | Easthampton     | 16,053           | 15,414 | 639   | 96%     | 4%      | Urban       |
| 12  | Goshen          | 1,054            | 0      | 1,054 | 0%      | 100%    | Rural       |
| 13  | Granby          | 6,240            | 3,393  | 2,847 | 54%     | 46%     | Urban       |
| 14  | Granville       | 1,566            | 0      | 1,566 | 0%      | 100%    | Rural       |
| 15  | Hadley          | 5,250            | 3,125  | 2,125 | 60%     | 40%     | Urban       |
| 16  | Hampden         | 5,139            | 2,684  | 2,455 | 52%     | 48%     | Urban       |
| 17  | Hatfield        | 3,279            | 0      | 3,279 | 0%      | 100%    | Rural       |
| 18  | Holland         | 2,481            | 0      | 2,481 | 0%      | 100%    | Rural       |
| 19  | Holyoke         | 39,880           | 39,444 | 436   | 99%     | 1%      | Urban       |
| 20  | Huntington      | 2,180            | 0      | 2,180 | 0%      | 100%    | Rural       |
| 21  | Longmeadow      | 15,784           | 15,784 | 0     | 100%    | 0%      | Urban       |
| 22  | Ludlow          | 21,103           | 18,627 | 2,476 | 88%     | 12%     | Urban       |

| No. | Community        | Total Population | Urban   | Rural | % Urban | % Rural | Urban/Rural |
|-----|------------------|------------------|---------|-------|---------|---------|-------------|
| 23  | Middlefield      | 521              | 0       | 521   | 0%      | 100%    | Rural       |
| 24  | Monson           | 8,560            | 2,443   | 6,117 | 29%     | 71%     | Rural       |
| 25  | Montgomery       | 838              | 0       | 838   | 0%      | 100%    | Rural       |
| 26  | Northampton      | 28,549           | 25,917  | 2,632 | 91%     | 9%      | Urban       |
| 27  | Palmer           | 12,140           | 9,792   | 2,348 | 81%     | 19%     | Urban       |
| 28  | Pelham           | 1,321            | 268     | 1,053 | 20%     | 80%     | Rural       |
| 29  | Plainfield       | 648              | 0       | 648   | 0%      | 100%    | Rural       |
| 30  | Russell          | 1,775            | 588     | 1,187 | 33%     | 67%     | Rural       |
| 31  | South Hadley     | 17,514           | 16,936  | 578   | 97%     | 3%      | Urban       |
| 32  | Southampton      | 5,792            | 1,107   | 4,685 | 19%     | 81%     | Rural       |
| 33  | Southwick        | 9,502            | 5,023   | 4,479 | 53%     | 47%     | Urban       |
| 34  | Springfield      | 153,060          | 153,060 | 0     | 100%    | 0%      | Urban       |
| 35  | Tolland          | 485              | 0       | 485   | 0%      | 100%    | Rural       |
| 36  | Wales            | 1,838            | 0       | 1,838 | 0%      | 100%    | Rural       |
| 37  | Ware             | 9,872            | 6,560   | 3,312 | 66%     | 34%     | Rural       |
| 38  | West Springfield | 28,391           | 27,877  | 514   | 98%     | 2%      | Urban       |
| 39  | Westfield        | 41,094           | 38,336  | 2,758 | 93%     | 7%      | Urban       |
| 40  | Westhampton      | 1,607            | 3       | 1,604 | 0%      | 100%    | Rural       |
| 41  | Wilbraham        | 14,219           | 12,287  | 1,932 | 86%     | 14%     | Urban       |
| 42  | Williamsburg     | 2,482            | 395     | 2,087 | 16%     | 84%     | Rural       |
| 43  | Worthington      | 1,156            | 0       | 1,156 | 0%      | 100%    | Rural       |

Source: U. S. Census Bureau. 2010 Census

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**Historic Crash Data by Community and Calendar Year**

| No. | Community       | Total Crashes |      |      |      |
|-----|-----------------|---------------|------|------|------|
|     |                 | 2011          | 2012 | 2013 | 2014 |
| 1   | Agawam          | 541           | 494  | 480  | 505  |
| 2   | Amherst         | 450           | 390  | 276  | 368  |
| 3   | Belchertown     | 228           | 230  | 208  | 261  |
| 4   | Blandford       | 76            | 77   | 55   | 67   |
| 5   | Brimfield       | 74            | 77   | 55   | 46   |
| 6   | Chester         | 13            | 12   | 15   | 15   |
| 7   | Chesterfield    | 11            | 19   | 17   | 9    |
| 8   | Chicopee        | 1502          | 1390 | 1351 | 1425 |
| 9   | Cummington      | 0             | 4    | 2    | 4    |
| 10  | East Longmeadow | 446           | 384  | 384  | 402  |
| 11  | Easthampton     | 274           | 303  | 277  | 293  |
| 12  | Goshen          | 18            | 14   | 10   | 18   |
| 13  | Granby          | 138           | 166  | 168  | 154  |
| 14  | Granville       | 18            | 12   | 10   | 9    |
| 15  | Hadley          | 256           | 290  | 267  | 263  |
| 16  | Hampden         | 47            | 37   | 68   | 59   |
| 17  | Hatfield        | 36            | 29   | 25   | 23   |
| 18  | Holland         | 6             | 9    | 10   | 9    |
| 19  | Holyoke         | 2054          | 1636 | 1673 | 1707 |
| 20  | Huntington      | 19            | 21   | 14   | 12   |
| 21  | Longmeadow      | 212           | 216  | 224  | 187  |
| 22  | Ludlow          | 454           | 448  | 409  | 395  |

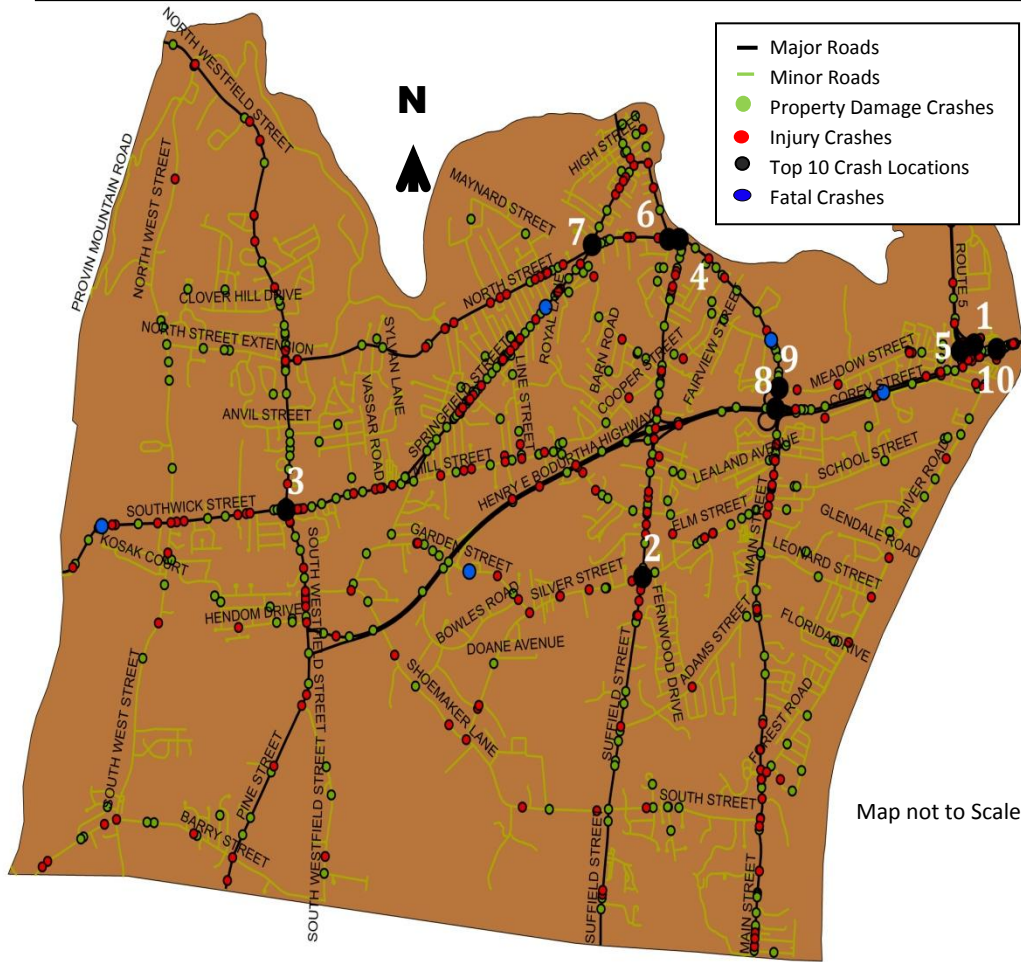
| No. | Community        | Total Crashes |      |      |      |
|-----|------------------|---------------|------|------|------|
|     |                  | 2011          | 2012 | 2013 | 2014 |
| 23  | Middlefield      | 1             | 3    | 1    | 5    |
| 24  | Monson           | 65            | 50   | 62   | 61   |
| 25  | Montgomery       | 16            | 17   | 11   | 9    |
| 26  | Northampton      | 630           | 565  | 573  | 577  |
| 27  | Palmer           | 436           | 347  | 409  | 210  |
| 28  | Pelham           | 6             | 17   | 6    | 13   |
| 29  | Plainfield       | 7             | 10   | 9    | 4    |
| 30  | Russell          | 46            | 50   | 44   | 43   |
| 31  | South Hadley     | 254           | 261  | 241  | 246  |
| 32  | Southampton      | 51            | 44   | 51   | 52   |
| 33  | Southwick        | 234           | 179  | 154  | 144  |
| 34  | Springfield      | 4643          | 4501 | 4330 | 4139 |
| 35  | Tolland          | 4             | 5    | 3    | 3    |
| 36  | Wales            | 7             | 5    | 7    | 6    |
| 37  | Ware             | 233           | 196  | 188  | 197  |
| 38  | West Springfield | 850           | 823  | 727  | 662  |
| 39  | Westfield        | 813           | 778  | 735  | 623  |
| 40  | Westhampton      | 18            | 20   | 15   | 19   |
| 41  | Wilbraham        | 363           | 317  | 304  | 313  |
| 42  | Williamsburg     | 64            | 54   | 57   | 41   |
| 43  | Worthington      | 5             | 4    | 6    | 10   |

Source: MassDOT Crash Portal

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# Pioneer Valley SafetyCompass

## AGAWAM (2012 – 2014)



### TOWN CRASH PROFILE

| Year           | Total | Manner of Collision | Severity | Roadway                            |     |       |     |
|----------------|-------|---------------------|----------|------------------------------------|-----|-------|-----|
| 2012           | 494   | Angle               | 146      | Fatal                              | 1   | Dry   | 401 |
|                |       | Head On             | 11       | No injury                          | 369 | Ice   | 2   |
|                |       | Rear End            | 192      | Non-fatal injury – I <sup>\$</sup> | 11  | Snow  | 12  |
|                |       | Side Swipe          | 48       | Non-fatal injury – NC <sup>^</sup> | 32  | Wet   | 75  |
|                |       | Single Vehicle      | 91       | Non-fatal injury – P <sup>@</sup>  | 64  | Slush | 2   |
|                |       | Not Reported        | 6        | Not reported                       | 17  | Other | 2   |
|                |       | 2013                | 480      | Angle                              | 123 | Fatal | 1   |
| Head On        | 9     |                     |          | No injury                          | 360 | Ice   | 4   |
| Rear End       | 207   |                     |          | Non-fatal injury – I <sup>\$</sup> | 10  | Snow  | 23  |
| Side Swipe     | 47    |                     |          | Non-fatal injury – NC <sup>^</sup> | 31  | Wet   | 56  |
| Single Vehicle | 88    |                     |          | Non-fatal injury – P <sup>@</sup>  | 71  | Slush | 2   |
| Not Reported   | 6     |                     |          | Not reported                       | 7   | Other | 4   |
| 2014           | 505   |                     |          | Angle                              | 120 | Fatal | 3   |
|                |       | Head On             | 12       | No injury                          | 348 | Ice   | 11  |
|                |       | Rear End            | 213      | Non-fatal injury – I <sup>\$</sup> | 1   | Snow  | 33  |
|                |       | Side Swipe          | 48       | Non-fatal injury – NC <sup>^</sup> | 49  | Wet   | 66  |
|                |       | Single Vehicle      | 108      | Non-fatal injury – P <sup>@</sup>  | 92  | Slush | 2   |
|                |       | Not Reported        | 4        | Not reported                       | 12  | Other | 5   |
|                |       | Total               | 1479     |                                    |     |       |     |

^ Non Incapacitating @ Possible \$ Incapacitating

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | Agawam Rotary northeast section in the vicinity of the intersection with River Road | 291     | 295   | 6    | Springfield Street (Route147) and Walnut Street                             | 52      | 54    |
| 2    | Suffield Street (Route 75) and Silver Street  | 73      | 75    | 7    | Springfield Street, North Street, Maple Street, and McGrath Terrace         | 32      | 42    |
| 3    | N. Westfield Street, S. Westfield Street, Springfield Street, and Southwick Street  | 103     | 71    | 8    | Henry E Bodurtha Highway eastbound in the vicinity of off-ramp to Route 159 | 23      | 36    |
| 4    | Suffield Street (Route 147) , Springfield Street, and Main Street (Route 159)       | 66      | 69    | 9    | Main Street (Route159) and Meadow Street                                    | 17      | 29    |
| 5    | Agawam Rotary in the vicinity of the intersection with Meadow Street                | 65      | 59    | 10   | South End Bridge (Route 5) west of Connecticut River                        | 46      | 28    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)



**KEY FINDINGS:**

- There were a total of 1479 crashes in the Town of Agawam within the calendar years of 2012 to 2014.
- Agawam reported 5 fatal crashes within this period.
- Approximately 41% of the total crashes were rear end type, followed by angle (26%), and single vehicle (19%) type crashes.
- Agawam experienced 35 non-motorist collisions within the analysis period which resulted in 3 incapacitating injuries.
- Almost 17% of the drivers involved in single vehicle crashes were observed to be speeding.

**LOCATION OF CRASHES**

|                       |             |
|-----------------------|-------------|
| Not at junction       | 634         |
| T-intersection        | 202         |
| Traffic circle        | 176         |
| Four-way intersection | 173         |
| Driveway              | 117         |
| Off-ramp              | 101         |
| Y-intersection        | 32          |
| On-ramp               | 28          |
| Not reported          | 6           |
| Unknown               | 6           |
| Five-point or more    | 4           |
| <b>Total</b>          | <b>1479</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedalcyclist* | 19        |
| Pedestrian    | 15        |
| Wheelchair    | 1         |
| <b>Total</b>  | <b>35</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

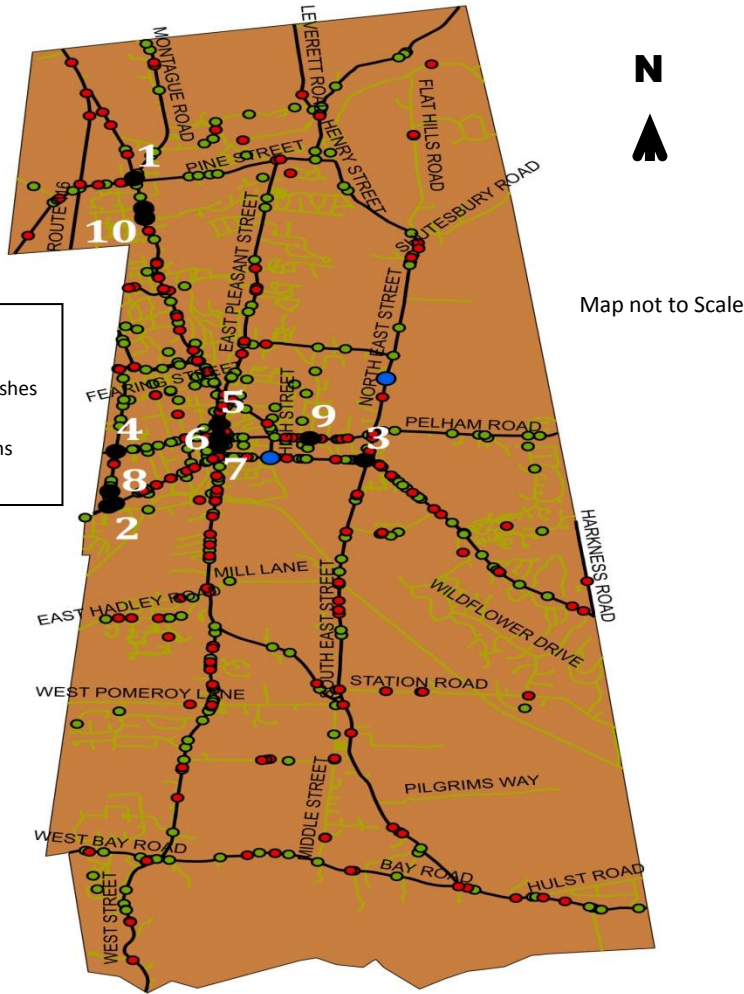
|  |            |
|--|------------|
| No improper driving  | 70         |
| Driving too fast for conditions or speeding                                      | 48         |
| Distracted, Emotional or Inattention   | 46         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 27         |
| Fatigue, Illness or Physical Impairment  | 24         |
| Unknown  | 22         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 18         |
| Failure to keep in proper lane or running off road                               | 15         |
| Over correcting or over steering   | 12         |
| Glare or obstructed visibility   | 3          |
| Other improper action  | 2          |
| <b>Total</b>   | <b>287</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Rural minor arterial or urban principal arterial | 654         |
| Urban minor arterial or rural major collector    | 399         |
| Urban collector or rural minor collector         | 226         |
| Local  | 104         |
| Unknown  | 96          |
| <b>Total</b>                                     | <b>1479</b> |

# Pioneer Valley SafetyCompass

## AMHERST (2012 – 2014)



- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top 10 Crash Locations
- Fatal Crashes

### TOWN CRASH PROFILE

| Year           | Total | Manner of Collision                               | Severity | Roadway                            |     |       |     |
|----------------|-------|---|----------|------------------------------------|-----|-------|-----|
| 2012           | 390   | Angle   | 89       | Fatal                              | 0   | Dry   | 273 |
|                |       | Head On   | 10       | No injury                          | 284 | Ice   | 14  |
|                |       | Rear End  | 134      | Non-fatal injury – I <sup>\$</sup> | 5   | Snow  | 24  |
|                |       | Side Swipe  | 48       | Non-fatal injury – NC <sup>^</sup> | 56  | Wet   | 71  |
|                |       | Single Vehicle                                    | 102      | Non-fatal injury – P <sup>@</sup>  | 35  | Slush | 5   |
|                |       | Not Reported                                      | 7        | Not reported                       | 10  | Other | 3   |
|                |       | 2013  | 276      | Angle                              | 66  | Fatal | 1   |
| Head On        | 7     |   |          | No injury                          | 213 | Ice   | 3   |
| Rear End       | 101   |   |          | Non-fatal injury – I <sup>\$</sup> | 1   | Snow  | 14  |
| Side Swipe     | 27    |   |          | Non-fatal injury – NC <sup>^</sup> | 31  | Wet   | 40  |
| Single Vehicle | 71    |   |          | Non-fatal injury – P <sup>@</sup>  | 22  | Slush | 3   |
| Not Reported   | 4     |   |          | Not reported                       | 8   | Other | 3   |
| 2014           | 368   | Angle   | 115      | Fatal                              | 1   | Dry   | 240 |
|                |       | Head On   | 9        | No injury                          | 275 | Ice   | 21  |
|                |       | Rear End  | 100      | Non-fatal injury – I <sup>\$</sup> | 8   | Snow  | 36  |
|                |       | Side Swipe  | 45       | Non-fatal injury – NC <sup>^</sup> | 44  | Wet   | 69  |
|                |       | Single Vehicle                                    | 98       | Non-fatal injury – P <sup>@</sup>  | 36  | Slush | 1   |
|                |       | Not Reported                                      | 1        | Not reported                       | 4   | Other | 1   |
| Total          | 1034  | ^ Non Incapacitating @ Possible \$ Incapacitating |          |                                    |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location  | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|--|---------|-------|------|---|---------|-------|
| 1    | Meadow Street, Montague Road, N. Pleasant Street, Sunderland Street, and Pine Street | 27      | 67    | 6    | Amity Street, Main Street, N. Pleasant Street, and S. Pleasant Street | 20      | 32    |
| 2    | Northampton Road (Route 9 and Route 116), University Drive, and Snell Street         | 22      | 46    | 7    | South Pleasant Street and Spring Street                               | 13      | 29    |
| 3    | College Street (Route 9), South East Street, and Belchertown Road                    | 14      | 46    | 8    | University Drive in the vicinity of Big Y plaza                       | 17      | 29    |
| 4    | University Drive and Amity Street  | 25      | 45    | 9    | Main Street, North Whitney Street, and South Whitney Street           | 7       | 27    |
| 5    | North Pleasant Street, Kelloggs Avenue, and Cowles Lane                              | 15      | 39    | 10   | North Pleasant Street, Hobart Lane and Puffton Village Drive          | 15      | 27    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 1034 crashes in the Town of Amherst within the calendar years of 2012 to 2014.
- Almost 32% of the total crashes were rear end type, followed by angle (26%), and single vehicle (26%) type crashes.
- Amherst experienced 65 non-motorist collisions within the analysis period, 2 of which resulted in fatalities.
- Nearly 18% of all single vehicle crashes were a result of distracted driving.

**LOCATION OF CRASHES**

|                        |             |
|------------------------|-------------|
| Not at junction        | 576         |
| T-intersection         | 209         |
| Four-way intersection  | 180         |
| Driveway               | 35          |
| Traffic circle         | 16          |
| Y-intersection         | 9           |
| On-ramp                | 3           |
| Unknown                | 3           |
| Not reported           | 2           |
| Railway grade crossing | 1           |
| <b>Total</b>           | <b>1034</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Local  | 127         |
| Rural minor arterial or urban principal arterial | 253         |
| Rural or urban principal arterial                | 165         |
| Urban collector or rural minor collector         | 37          |
| Urban minor arterial or rural major collector    | 416         |
| Unknown  | 36          |
| <b>Total</b>                                     | <b>1034</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 29        |
| Pedalcyclist* | 33        |
| Skater        | 3         |
| <b>Total</b>  | <b>65</b> |

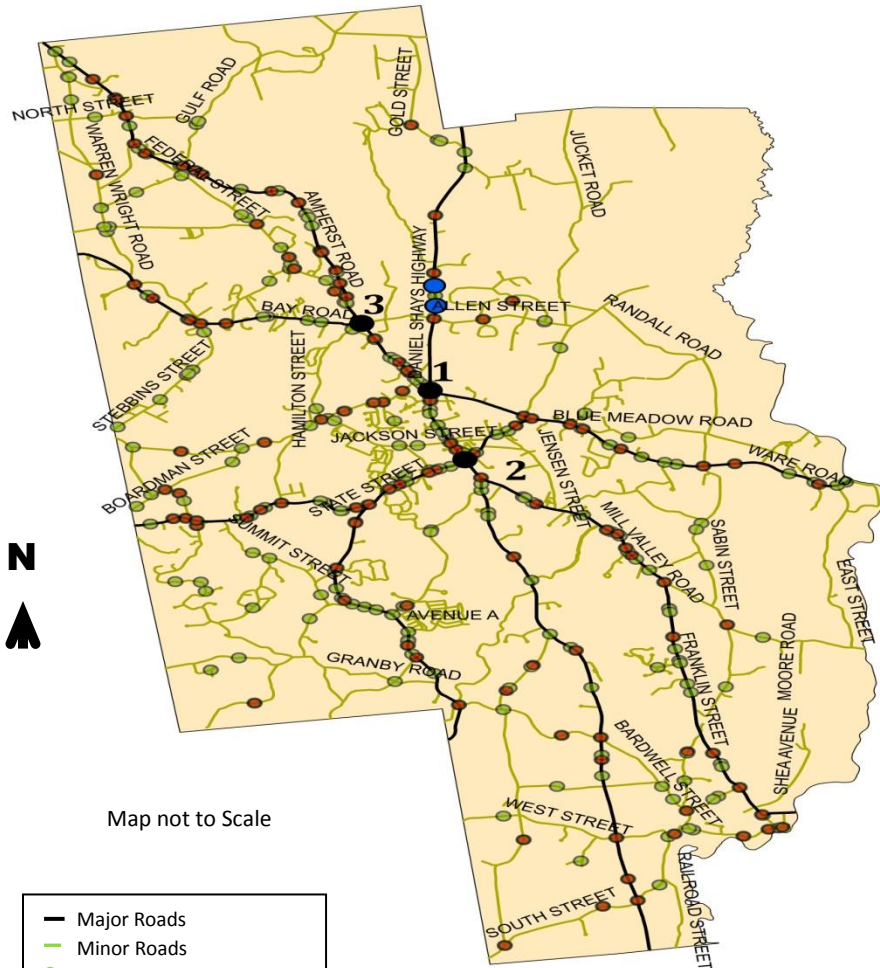
\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 85         |
| Distracted, Emotional or Inattention   | 48         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 36         |
| Fatigue, Illness or Physical Impairment  | 23         |
| Unknown  | 21         |
| Driving too fast for conditions or speeding                                      | 16         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 13         |
| Over correcting or over steering   | 10         |
| Glare or obstructed visibility   | 10         |
| Failure to keep in proper lane or running off road                               | 2          |
| Made an improper turn  | 2          |
| Other improper action  | 2          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Failed to yield right of way   | 1          |
| Operating defective equipment  | 1          |
| <b>Total</b>   | <b>271</b> |

# Pioneer Valley SafetyCompass

## BELCHERTOWN (2012 – 2014)



Map not to Scale



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity | Roadway                | Weather |       |     |        |     |
|-------|-------|---------------------|----------|------------------------|---------|-------|-----|--------|-----|
| 2012  | 230   | Angle               | 32       | Fatal                  | 1       | Dry   | 145 | Clear  | 137 |
|       |       | Head On             | 8        | No injury              | 168     | Ice   | 14  | Cloudy | 34  |
|       |       | Rear End            | 52       | Non-fatal injury – I\$ | 3       | Snow  | 18  | Rain   | 26  |
|       |       | Side Swipe          | 25       | Non-fatal injury – NC^ | 23      | Wet   | 49  | Snow   | 20  |
|       |       | Single              | 110      | Non-fatal injury – P@  | 31      | Slush | 2   | Sleet  | 5   |
|       |       | Not                 | 3        | Not reported           | 4       | Other | 2   | Other  | 8   |
|       |       |                     |          |                        |         |       |     |        |     |
| 2013  | 208   | Angle               | 34       | Fatal                  | 0       | Dry   | 121 | Clear  | 122 |
|       |       | Head On             | 3        | No injury              | 152     | Ice   | 18  | Cloudy | 34  |
|       |       | Rear End            | 44       | Non-fatal injury – I\$ | 1       | Snow  | 27  | Rain   | 18  |
|       |       | Side Swipe          | 18       | Non-fatal injury – NC^ | 25      | Wet   | 33  | Snow   | 20  |
|       |       | Single              | 107      | Non-fatal injury – P@  | 25      | Slush | 4   | Sleet  | 4   |
|       |       | Not                 | 2        | Not reported           | 5       | Other | 5   | Other  | 10  |
|       |       |                     |          |                        |         |       |     |        |     |
| 2014  | 261   | Angle               | 28       | Fatal                  | 1       | Dry   | 149 | Clear  | 157 |
|       |       | Head On             | 12       | No injury              | 181     | Ice   | 25  | Cloudy | 43  |
|       |       | Rear End            | 66       | Non-fatal injury – I\$ | 8       | Snow  | 48  | Rain   | 14  |
|       |       | Side Swipe          | 21       | Non-fatal injury – NC^ | 27      | Wet   | 36  | Snow   | 34  |
|       |       | Single              | 131      | Non-fatal injury – P@  | 39      | Slush | 1   | Sleet  | 6   |
|       |       | Not                 | 3        | Not reported           | 5       | Other | 2   | Other  | 7   |
| Total | 699   |                     |          |                        |         |       |     |        |     |

^ Non Incapacitating @ Possible \$ Incapacitating

### TOP 3 CRASH LOCATIONS IN THE TOWN

1. Daniel Shays Highway (Route 202), North Main Street (Route 202), Federal Street (Route 9), and Sargent Street (Route 9).  
(Crashes: 26, EPDO\*: 42)
2. Main Street (Route 202), Maple Street (Route 202), Jabish Street (Route 21), and South Main Street (Route 181).  
(Crashes: 20, EPDO\*: 36)
3. Federal Street (Route 9) and Allen Road.  
(Crashes: 16, EPDO\*: 28)

\*EPDO – Equivalent Property Damage Only (fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- There were a total of 699 crashes in the Town of Belchertown within the calendar years of 2012 to 2014.
- Belchertown experienced the highest number of crashes amongst all the rural communities in the region
- 2 fatal crashes along Daniel Shays Highway (Route 202) were reported in the Town within this period.
- Almost half the crashes recorded in the Town are single vehicle crashes.
- Belchertown experienced 4 non-motorist collisions within the analysis period.
- More than 18% of the drivers involved in the single vehicle crashes were observed to be driving too fast for conditions.

**FIRST HARMFUL EVENT**

|   |            |
|---|------------|
| Collision with motor vehicle in traffic | 333        |
| Collision with utility pole             | 73         |
| Collision with tree                     | 69         |
| Collision with animal - deer            | 42         |
| Collision with guardrail                | 30         |
| Collision with other                    | 32         |
| Collision with embankment               | 27         |
| Collision with ditch                    | 22         |
| Collision with unknown fixed object     | 19         |
| Collision with other movable object     | 11         |
| Collision with parked motor vehicle     | 10         |
| Other non-collision                     | 8          |
| Overturn/rollover                       | 7          |
| Collision with bridge                   | 6          |
| Collision with curb                     | 4          |
| Collision with non-motorist             | 4          |
| <b>Total</b>                            | <b>699</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Rural minor arterial or urban principal arterial | 176        |
| Unknown  | 157        |
| Rural or urban principal arterial                | 140        |
| Local  | 125        |
| Urban minor arterial or rural major collector    | 63         |
| Urban collector or rural minor collector         | 38         |
| <b>Grand Total</b>                               | <b>699</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 132        |
| Driving too fast for conditions or speeding                                      | 63         |
| Distracted, Emotional or Inattention   | 40         |
| Unknown  | 28         |
| Fatigue, Illness or Physical Impairment  | 22         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 18         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 16         |
| Over correcting or over steering   | 10         |
| Failure to keep in proper lane or running off road                               | 9          |
| Glare or obstructed visibility   | 5          |
| Other improper action  | 2          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Followed too closely   | 1          |
| Made an improper turn  | 1          |
| <b>Total</b>   | <b>348</b> |

**AMBIENT LIGHT**

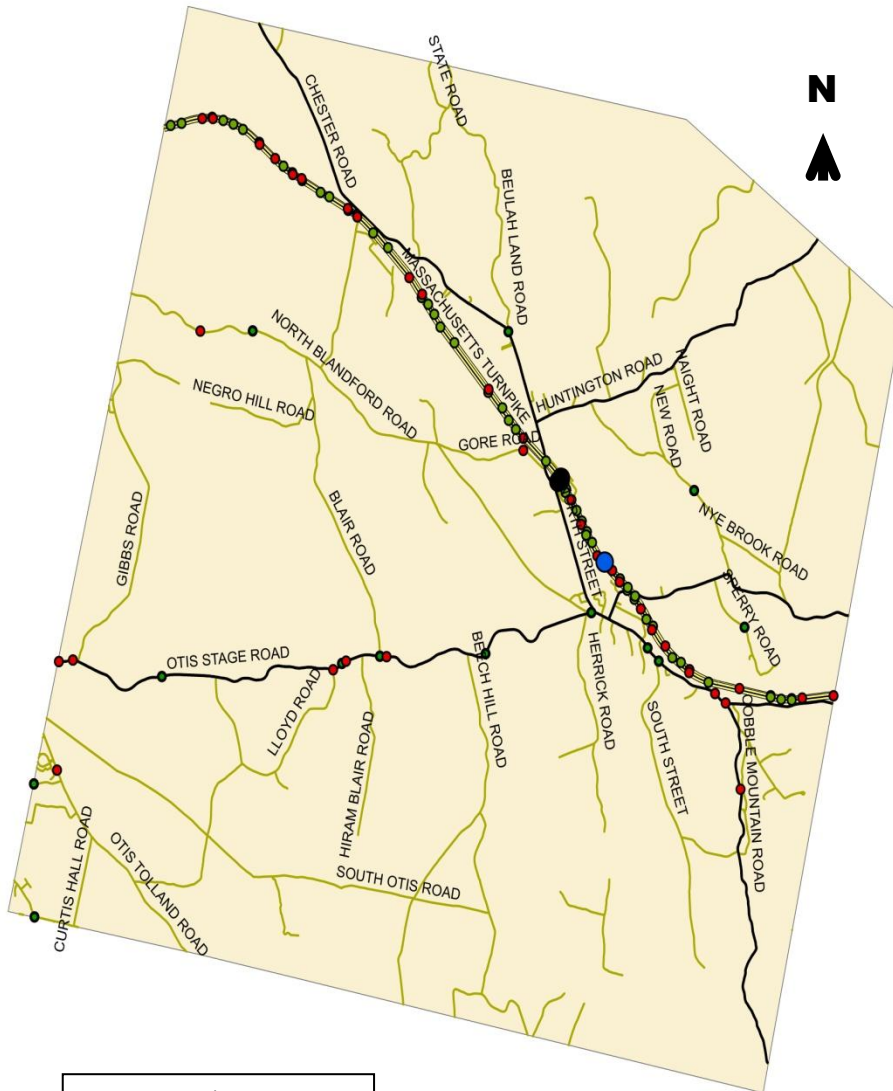
|                            |            |
|----------------------------|------------|
| Daylight                   | 440        |
| Dark - roadway not lighted | 141        |
| Dark - lighted roadway     | 52         |
| Dusk                       | 32         |
| Dawn                       | 16         |
| Dark - unknown lighting    | 11         |
| Not reported               | 7          |
| <b>Total</b>               | <b>699</b> |

**LOCATION OF CRASHES**

|                        |            |
|------------------------|------------|
| Not at junction        | 478        |
| T-intersection         | 86         |
| Four-way intersection  | 77         |
| Y-intersection         | 29         |
| Driveway               | 21         |
| Not reported           | 6          |
| Railway grade crossing | 1          |
| Unknown                | 1          |
| <b>Total</b>           | <b>699</b> |

# Pioneer Valley SafetyCompass

## BLANDFORD (2012 – 2014)



- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top Crash Location
- Fatal Crash

Map Not to Scale

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision  | Severity | Roadway                            | Weather |       |    |        |    |
|-------|-------|--|----------|------------------------------------|---------|-------|----|--------|----|
| 2012  | 77    | Angle  | 3        | Fatal Injury                       | 0       | Dry   | 42 | Clear  | 35 |
|       |       | Head On  | 1        | No injury                          | 55      | Ice   | 3  | Cloudy | 13 |
|       |       | Rear End   | 3        | Non-fatal injury - I <sup>\$</sup> | 3       | Snow  | 11 | Snow   | 11 |
|       |       | Side Swipe   | 11       | Non-fatal injury - NC <sup>^</sup> | 8       | Wet   | 13 | Rain   | 8  |
|       |       | Single Vehicle   | 59       | Non-fatal Injury - P <sup>@</sup>  | 2       | Sand  | 0  | NR*    | 3  |
|       |       | Not Reported   | 0        | Not Reported                       | 9       | Other | 8  | Sleet  | 7  |
|       |       |  |          |                                    |         |       |    |        |    |
| 2013  | 55    | Angle  | 4        | Fatal Injury                       | 1       | Dry   | 31 | Clear  | 25 |
|       |       | Head On  | 0        | No injury                          | 39      | Ice   | 3  | Cloudy | 10 |
|       |       | Rear End   | 5        | Non-fatal injury - I <sup>\$</sup> | 1       | Sand  | 1  | Snow   | 7  |
|       |       | Side Swipe   | 4        | Non-fatal injury - NC <sup>^</sup> | 8       | Wet   | 9  | Rain   | 5  |
|       |       | Single Vehicle   | 41       | Non-fatal Injury - P <sup>@</sup>  | 4       | Snow  | 7  | NR*    | 6  |
|       |       | Not Reported   | 1        | Not Reported                       | 2       | Other | 4  | Sleet  | 2  |
|       |       |  |          |                                    |         |       |    |        |    |
| 2014  | 67    | Angle  | 3        | Fatal Injury                       | 0       | Dry   | 32 | Clear  | 27 |
|       |       | Head On  | 2        | No injury                          | 51      | Ice   | 7  | Cloudy | 9  |
|       |       | Rear End   | 9        | Non-fatal injury - I <sup>\$</sup> | 1       | Slush | 3  | NR*    | 6  |
|       |       | Side Swipe   | 8        | Non-fatal injury - NC <sup>^</sup> | 12      | Snow  | 17 | Rain   | 6  |
|       |       | Single Vehicle   | 44       | Non-fatal Injury - P <sup>@</sup>  | 3       | Wet   | 8  | Snow   | 14 |
|       |       | Not Reported   | 1        | Not Reported                       | 0       | Other | 0  | Sleet  | 5  |
|       |       |  |          |                                    |         |       |    |        |    |
| Total | 199   | ^ Non Incapacitating @ Possible \$ Incapacitating * Not Reported |          |                                    |         |       |    |        |    |

### TOP CRASH LOCATION IN TOWN:

Blandford Service Plaza on Interstate I-90. Total Crashes: 7 EPDO: 7

There were a total of 10 non-interstate injury crashes scattered throughout the Town

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Blandford experienced a total of 199 crashes within the calendar years of 2012 to 2014.
- The Town experienced 2 pedestrian crashes within this period, both resulted in incapacitating injuries.
- More than 70% (144 out of 199) of the total crashes were single vehicle collisions with other objects.
- Speeding was observed to be a cause for more than 17% of the total crashes.
- Collisions of motor vehicles with guardrails resulted in more than 40% of the single vehicle crashes.
- Approximately 80% of the total crashes occurred along the Interstate I-90 and its ramps.

**FIRST HARMFUL EVENT**

|   |            |
|---|------------|
| Collision with guardrail                | 62         |
| Collision with motor vehicle in traffic | 52         |
| Collision with animal                   | 25         |
| Collision with embankment               | 10         |
| Collision with ditch                    | 8          |
| Collision with other                    | 14         |
| Collision with tree                     | 8          |
| Overturn/rollover                       | 6          |
| Collision with parked motor vehicle     | 3          |
| Collision with median barrier           | 2          |
| Collision with other movable object     | 2          |
| Collision with pedestrian               | 2          |
| Collision with utility pole             | 2          |
| Other non-collision                     | 2          |
| Collision with bridge                   | 1          |
| <b>Total</b>                            | <b>199</b> |

**AMBIENT LIGHT**

|                            |            |
|----------------------------|------------|
| Daylight                   | 112        |
| Dark - roadway not lighted | 66         |
| Dark - lighted roadway     | 9          |
| Dawn                       | 7          |
| Dusk                       | 4          |
| Dark - unknown lighting    | 1          |
| <b>Total</b>               | <b>199</b> |

**DRIVER CONTRIBUTION CODES**

|  |            |
|--|------------|
| No improper driving  | 67         |
| Driving too fast for conditions or speeding                                      | 35         |
| Failure to keep in proper lane or running off road                               | 21         |
| Unknown  | 18         |
| Other improper action  | 14         |
| Distracted, Emotional or Inattention   | 13         |
| Fatigue, Illness or Physical Impairment  | 13         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 8          |
| Over correcting or over steering   | 4          |
| Followed too closely   | 2          |
| Made an improper turn  | 2          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Operating defective equipment  | 1          |
| <b>Total</b>   | <b>199</b> |

**LOCATION OF CRASHES**

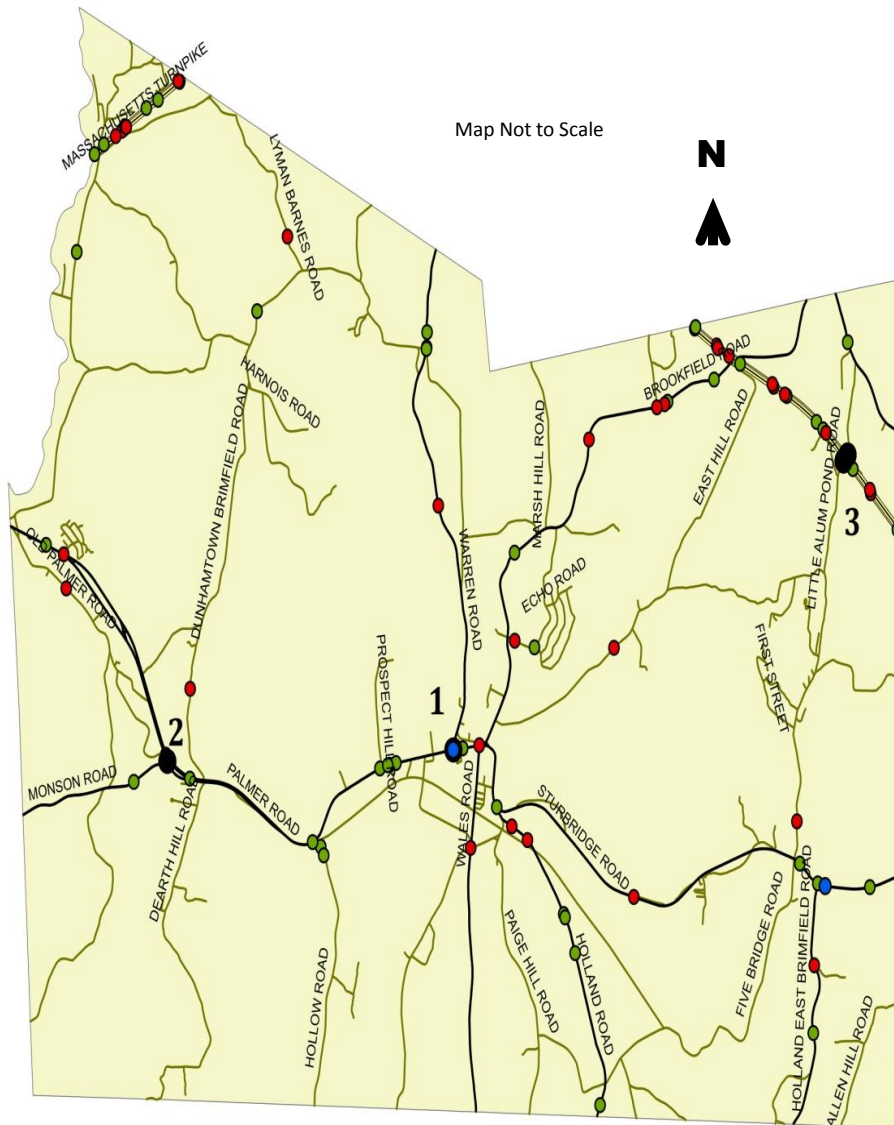
|                        |            |
|------------------------|------------|
| Not at junction        | 191        |
| Not reported           | 3          |
| Railway grade crossing | 2          |
| T-intersection         | 2          |
| Y-intersection         | 1          |
| <b>Total</b>           | <b>199</b> |

**ROADWAY CLASSIFICATION**

|   |            |
|---|------------|
| Interstate                                    | 159        |
| Unknown                                       | 21         |
| Urban minor arterial or rural major collector | 13         |
| Local   | 3          |
| Urban collector or rural minor collector      | 3          |
| <b>Total</b>                                  | <b>199</b> |

# Pioneer Valley SafetyCompass

## BRIMFIELD (2012 – 2014)



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity | Roadway                            | Weather |       |    |        |    |
|-------|-------|---------------------|----------|------------------------------------|---------|-------|----|--------|----|
| 2012  | 77    | Angle               | 15       | Fatal Injury                       | 0       | Dry   | 54 | Clear  | 47 |
|       |       | Head On             | 0        | No injury                          | 52      | Ice   | 2  | Cloudy | 8  |
|       |       | Rear End            | 10       | Non-fatal injury - I <sup>§</sup>  | 4       | Snow  | 8  | Snow   | 7  |
|       |       | Side Swipe          | 9        | Non-fatal injury - NC <sup>^</sup> | 8       | Wet   | 11 | Rain   | 6  |
|       |       | Single Vehicle      | 42       | Non-fatal Injury - P <sup>@</sup>  | 7       | Sand  | 1  | NR*    | 7  |
|       |       | Not Reported        | 1        | Not Reported                       | 6       | Other | 1  | Sleet  | 2  |
|       |       |                     |          |                                    |         |       |    |        |    |
| 2013  | 55    | Angle               | 5        | Fatal Injury                       | 1       | Dry   | 40 | Clear  | 39 |
|       |       | Head On             | 2        | No injury                          | 32      | Ice   | 3  | Cloudy | 5  |
|       |       | Rear End            | 15       | Non-fatal injury - I <sup>§</sup>  | 2       | Sand  | 0  | Snow   | 7  |
|       |       | Side Swipe          | 4        | Non-fatal injury - NC <sup>^</sup> | 9       | Wet   | 5  | Rain   | 3  |
|       |       | Single Vehicle      | 29       | Non-fatal Injury - P <sup>@</sup>  | 11      | Snow  | 7  | NR*    | 0  |
|       |       | Not Reported        | 0        | Not Reported                       | 0       | Other | 0  | Sleet  | 1  |
|       |       |                     |          |                                    |         |       |    |        |    |
| 2014  | 46    | Angle               | 5        | Fatal Injury                       | 1       | Dry   | 33 | Clear  | 26 |
|       |       | Head On             | 2        | No injury                          | 33      | Ice   | 4  | Cloudy | 9  |
|       |       | Rear End            | 16       | Non-fatal injury - I <sup>§</sup>  | 1       | Slush | 0  | NR*    | 0  |
|       |       | Side Swipe          | 1        | Non-fatal injury - NC <sup>^</sup> | 7       | Snow  | 5  | Rain   | 3  |
|       |       | Single Vehicle      | 22       | Non-fatal Injury - P <sup>@</sup>  | 3       | Wet   | 4  | Snow   | 5  |
|       |       | Not Reported        | 0        | Not Reported                       | 1       | Other | 0  | Sleet  | 3  |
|       |       |                     |          |                                    |         |       |    |        |    |
| Total | 178   |                     |          |                                    |         |       |    |        |    |

^ Non Incapacitating @ Possible § Incapacitating \* Not Reported

### TOP CRASH LOCATIONS IN TOWN:

1. The Intersection of Main Street (Route 20) and Warren Road. It had a fatal crash in the year 2013. (Total Crashes – 3, EPDO\* - 12)
2. The Intersection of Palmer Road (Route 20) and Old Palmer Road (Total Crashes – 4, EPDO\* - 12)
3. Massachusetts Turnpike I-90 in the vicinity of Little Alum Pond Road (Total Crashes – 3, EPDO\* - 11)



**KEY FINDINGS:**

- The Town of Brimfield experienced a total of 178 crashes within the calendar years of 2012 to 2014.
- The Town experienced 2 fatal crashes within the analysis period. One at the intersection of Main Street (Route 20) and Warren Road and the other along Sturbridge Road (Route 20) east of its intersection with E Brimfield Holland Road.
- The Town experienced 1 non-motorist crash within this period which involved a wheelchair along Saint Claire Road in the year 2014. It resulted in a non incapacitating injury.
- More than 52% (93 out of 178) of the total crashes were single vehicle collisions with other objects.
- "Followed too closely" was one of the top driver contribution codes for the crashes.
- More than 40% of the total crashes occurred along the Interstate I-90.

**FIRST HARMFUL EVENT**

|   |            |
|---|------------|
| Collision with motor vehicle in traffic | 79         |
| Collision with guardrail                | 33         |
| Collision with tree                     | 19         |
| Collision with animal - deer            | 14         |
| Collision with parked motor vehicle     | 5          |
| Collision with utility pole             | 5          |
| Collision with other                    | 4          |
| Overturn/rollover                       | 4          |
| Collision with ditch                    | 3          |
| Collision with embankment               | 3          |
| Collision with other post/support       | 3          |
| Collision with curb                     | 2          |
| Collision with median barrier           | 1          |
| Collision with other movable object     | 1          |
| Collision with unknown fixed object     | 1          |
| Other non-collision                     | 1          |
| <b>Total</b>                            | <b>178</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Interstate                                       | 77         |
| Unknown  | 37         |
| Urban minor arterial or rural major collector    | 28         |
| Rural minor arterial or urban principal arterial | 23         |
| Local  | 10         |
| Urban collector or rural minor collector         | 3          |
| <b>Total</b>                                     | <b>178</b> |

**DRIVER CONTRIBUTION CODES**

|  |            |
|--|------------|
| No improper driving  | 48         |
| Followed too closely   | 25         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 14         |
| Driving too fast for conditions or speeding                                      | 13         |
| Failed to yield right of way   | 12         |
| Unknown  | 12         |
| Failure to keep in proper lane or running off road                               | 11         |
| Other improper action  | 11         |
| Fatigue, Illness or Physical Impairment  | 8          |
| Over correcting or over steering   | 7          |
| Made an improper turn  | 6          |
| Distracted, Emotional or Inattention   | 5          |
| Operating defective equipment  | 3          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 3          |
| <b>Total</b>   | <b>178</b> |

**LOCATION OF CRASHES**

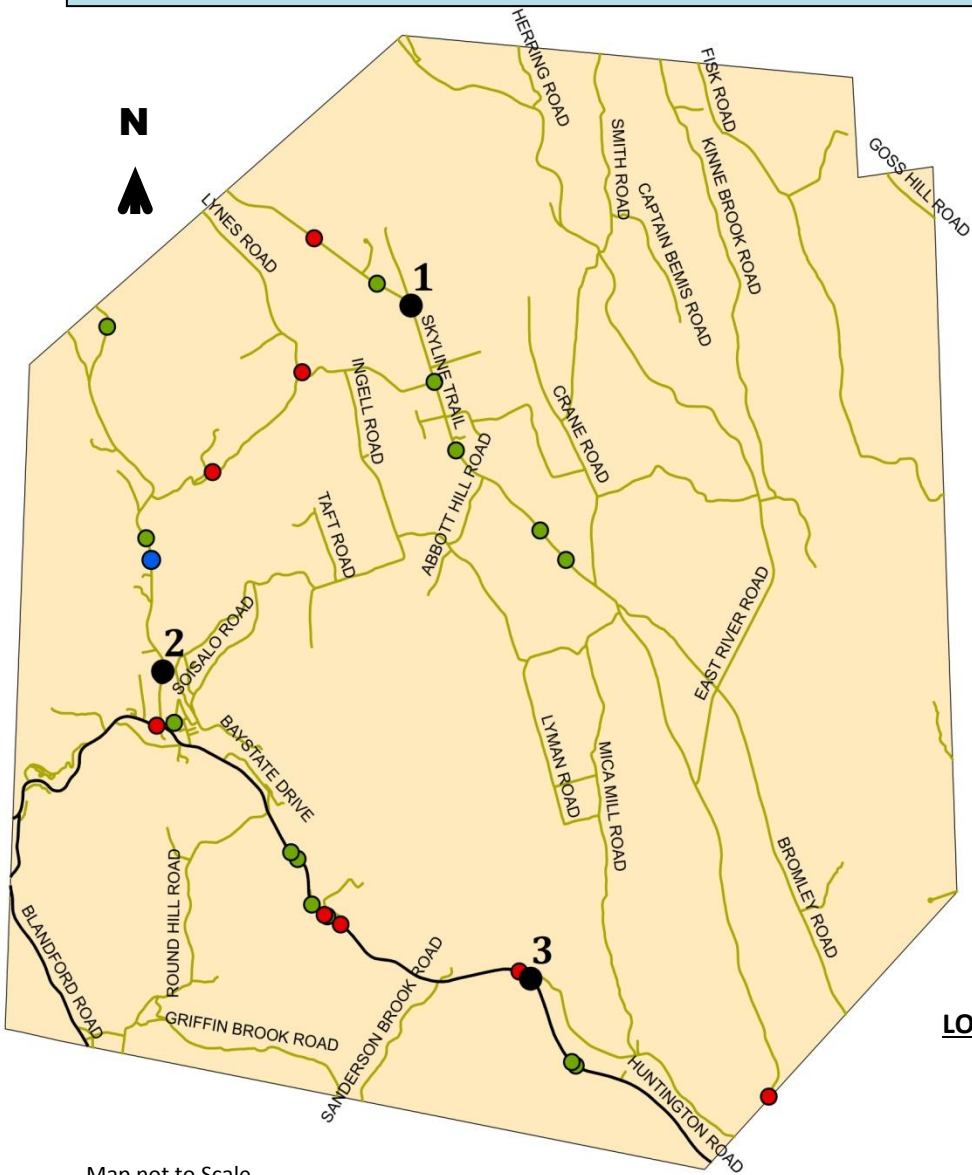
|                       |            |
|-----------------------|------------|
| Not at junction       | 156        |
| T-intersection        | 8          |
| Four-way intersection | 4          |
| Not reported          | 4          |
| Y-intersection        | 4          |
| Driveway              | 1          |
| Unknown               | 1          |
| <b>Total</b>          | <b>178</b> |

**AMBIENT LIGHT**

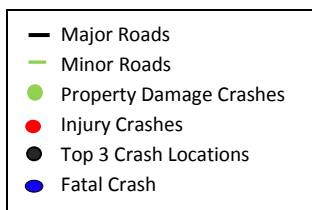
|                                 |            |
|---------------------------------|------------|
| Daylight                        | 110        |
| Dark - roadway not lighted      | 47         |
| Dusk                            | 7          |
| Dark - lighted roadway          | 5          |
| Dawn                            | 5          |
| Other                           | 3          |
| Dark - unknown roadway lighting | 1          |
| <b>Total</b>                    | <b>178</b> |

# Pioneer Valley SafetyCompass

## CHESTER (2012 – 2014)



Map not to Scale



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision                               | Severity | Roadway                            | Weather |      |   |        |    |
|-------|-------|---|----------|------------------------------------|---------|------|---|--------|----|
| 2012  | 12    | Head On   | 1        | Fatal Injury                       | 0       | Dry  | 8 | Clear  | 7  |
|       |       | Rear End  | 2        | No injury                          | 4       | Ice  | 2 | Cloudy | 1  |
|       |       | Side Swipe  | 1        | Non-fatal injury - I <sup>\$</sup> | 1       | Wet  | 1 | NR*    | 1  |
|       |       | Single Vehicle                                    | 8        | Non-fatal injury - NC <sup>^</sup> | 3       | Sand | 1 | Rain   | 1  |
|       |       |   |          | Non-fatal Injury - P <sup>@</sup>  | 1       |      |   | Sleet  | 1  |
|       |       |   |          | Not Reported                       | 3       |      |   | Snow   | 1  |
| 2013  | 15    | Single Vehicle                                    | 15       | Fatal Injury                       | 0       | Dry  | 7 | Clear  | 6  |
|       |       |   |          | No injury                          | 6       | Ice  | 6 | Cloudy | 1  |
|       |       |   |          | Non-fatal injury - I <sup>\$</sup> | 3       | Wet  | 2 | NR*    | 3  |
|       |       |   |          | Non-fatal injury - NC <sup>^</sup> | 4       |      |   | Rain   | 2  |
|       |       |   |          | Non-fatal Injury - P <sup>@</sup>  | 1       |      |   | Sleet  | 1  |
|       |       |   |          | Not Reported                       | 1       |      |   | Snow   | 2  |
| 2014  | 15    | Angle   | 1        | Fatal Injury                       | 1       | Dry  | 6 | Clear  | 10 |
|       |       | Side Swipe  | 1        | No injury                          | 10      | Ice  | 5 | Cloudy | 1  |
|       |       | Single Vehicle                                    | 13       | Non-fatal injury - I <sup>\$</sup> | 0       | Snow | 2 | Snow   | 2  |
|       |       |   |          | Non-fatal injury - NC <sup>^</sup> | 2       | Wet  | 1 | Sleet  | 2  |
|       |       |   |          | Non-fatal Injury - P <sup>@</sup>  | 1       | Sand | 1 |        |    |
|       |       |   |          | Not Reported                       | 1       |      |   |        |    |
| Total | 42    | ^ Non Incapacitating @ Possible \$ Incapacitating |          | * Not Reported                     |         |      |   |        |    |

### LOCATIONS IN TOWN WITH MULTIPLE CRASHES:

1. The Intersection of Skyline Trail and Holcomb Road  
(Total Crashes – 4, EPDO\* - 12)
2. The Intersection of Middlefield Road and Morey Avenue  
(Total Crashes – 2, EPDO\* - 10)
3. The Intersection of Huntington Road (Route 20) and Old State Highway  
(Total Crashes – 2, EPDO\* - 2)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Chester experienced a total of 42 crashes within the calendar years of 2012 to 2014.
- Chester reported one fatality within this period along Middlefield Road south of the Chester Elementary School.
- More than 30% of the total crashes involved drivers driving too fast for conditions or speeding.
- More than 85% (36 out of 42) of the total crashes were single vehicle collisions with other objects.
- More than half of the crashes occurred during the hours of darkness.
- Collisions of motor vehicles with guardrails, utility poles and embankments resulted in a total of 16 crashes.

**FIRST HARMFUL EVENT**

|  |           |
|--|-----------|
| Collision with guardrail                       | 7         |
| Collision with motor vehicle in traffic        | 6         |
| Collision with utility pole                    | 5         |
| Not reported                                   | 5         |
| Collision with embankment                      | 4         |
| Collision with other                           | 3         |
| Collision with tree                            | 3         |
| Collision with animal - deer                   | 2         |
| Collision with ditch                           | 2         |
| Collision with unknown fixed object            | 2         |
| Overturn/rollover                              | 2         |
| Collision with work zone maintenance equipment | 1         |
| <b>Total</b>                                   | <b>42</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| Driving too fast for conditions  | 13        |
| No improper driving  | 10        |
| Failure to keep in proper lane or running off road                               | 5         |
| Unknown  | 4         |
| Fatigued/asleep  | 3         |
| Distracted, Emotional or Inattention   | 2         |
| Wrong side or wrong way  | 2         |
| Failed to yield right of way   | 1         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 1         |
| Other improper action  | 1         |
| <b>Total</b>   | <b>42</b> |

**LOCATION OF CRASHES**

|                 |           |
|-----------------|-----------|
| Not at junction | 41        |
| Driveway        | 1         |
| <b>Total</b>    | <b>42</b> |

**ROADWAY CLASSIFICATION**

|  |           |
|--|-----------|
| Urban collector or rural minor collector         | 15        |
| Rural minor arterial or urban principal arterial | 13        |
| Unknown  | 11        |
| Local  | 3         |
| <b>Total</b>                                     | <b>42</b> |

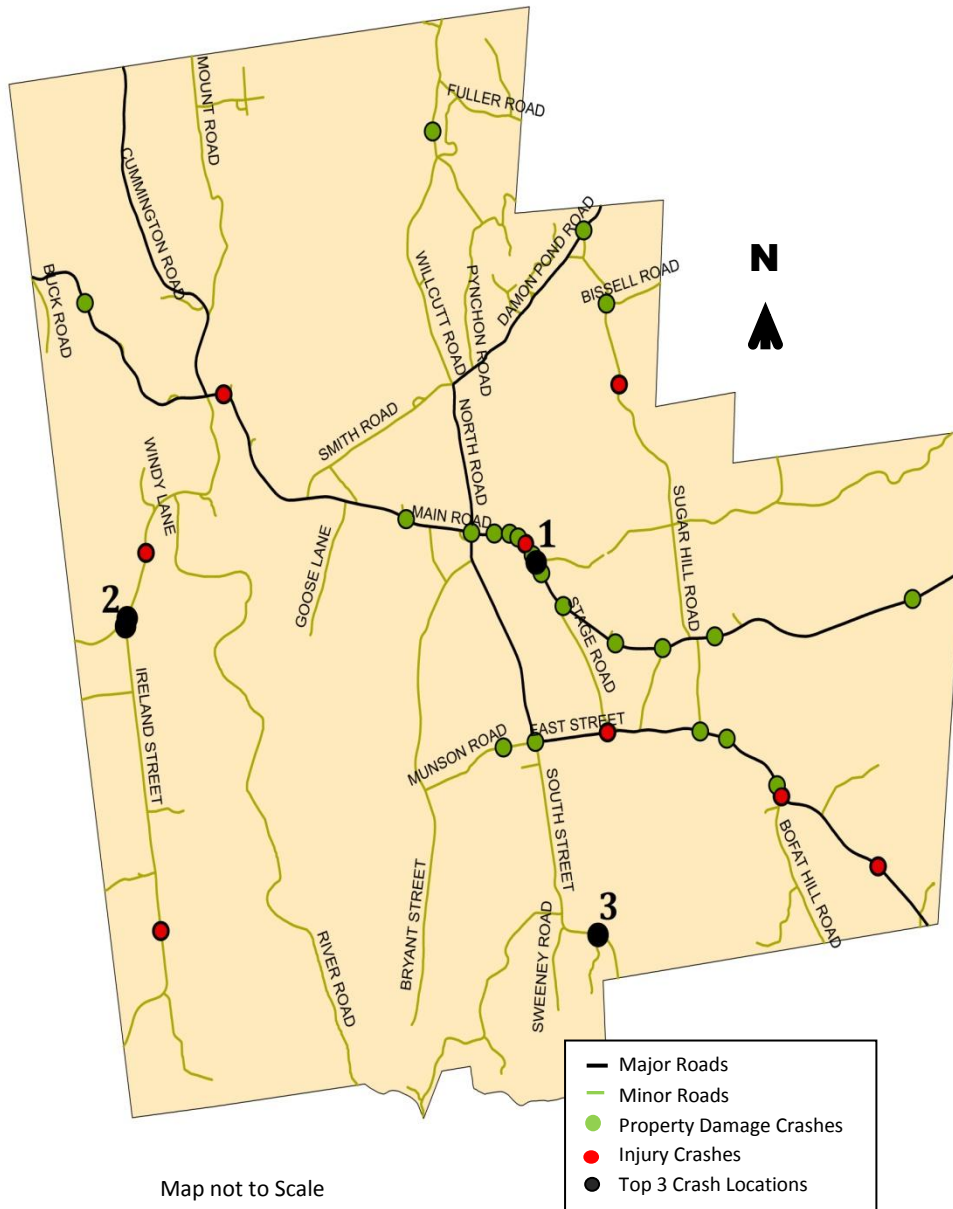
**AMBIENT LIGHT**

|                                 |           |
|---------------------------------|-----------|
| Daylight                        | 20        |
| Dark - roadway not lighted      | 13        |
| Dark - lighted roadway          | 4         |
| Dark - unknown roadway lighting | 3         |
| Dawn                            | 1         |
| Dusk                            | 1         |
| <b>Total</b>                    | <b>42</b> |

# Pioneer Valley SafetyCompass

## CHESTERFIELD (2012 – 2014)

### TOWN CRASH PROFILE



| Year  | Total | Manner of Collision  | Severity | Roadway                            | Weather           |                |      |        |    |
|-------|-------|----------------------|----------|------------------------------------|-------------------|----------------|------|--------|----|
| 2012  | 19    | Angle                | 1        | No injury                          | 16                | Dry            | 8    | Clear  | 11 |
|       |       | Rear End             | 1        | Non-fatal injury - I <sup>\$</sup> | 0                 | Ice            | 2    | Cloudy | 3  |
|       |       | Single Vehicle       | 17       | Non-fatal injury - NC <sup>^</sup> | 1                 | Wet            | 1    | NR*    | 0  |
|       |       |                      |          | Non-fatal Injury - P <sup>@</sup>  | 2                 | Snow           | 7    | Rain   | 0  |
|       |       |                      |          |                                    |                   | Other          | 1    | Sleet  | 0  |
|       |       |                      |          |                                    |                   |                | Snow | 5      |    |
| 2013  | 17    | Side Swipe           | 1        | No injury                          | 13                | Dry            | 7    | Clear  | 7  |
|       |       | Single Vehicle       | 16       | Non-fatal injury - I <sup>\$</sup> | 1                 | Ice            | 1    | Cloudy | 5  |
|       |       |                      |          | Non-fatal injury - NC <sup>^</sup> | 1                 | Wet            | 3    | NR*    | 2  |
|       |       |                      |          | Non-fatal Injury - P <sup>@</sup>  | 2                 | Snow           | 5    | Rain   | 1  |
|       |       |                      |          |                                    |                   | Slush          | 1    | Sleet  | 0  |
|       |       |                      |          |                                    |                   |                | Snow | 2      |    |
| 2014  | 9     | Angle                | 1        | No injury                          | 6                 | Dry            | 4    | Clear  | 4  |
|       |       | Single Vehicle       | 8        | Non-fatal injury - I <sup>\$</sup> | 2                 | Ice            | 1    | Cloudy | 1  |
|       |       |                      |          | Non-fatal injury - NC <sup>^</sup> | 1                 | Snow           | 3    | Snow   | 3  |
|       |       |                      |          | Non-fatal Injury - P <sup>@</sup>  | 0                 | Slush          | 1    | Sleet  | 1  |
| Total | 45    | ^ Non Incapacitating |          | @ Possible                         | \$ Incapacitating | * Not Reported |      |        |    |

### LOCATIONS IN TOWN WITH MULTIPLE CRASHES:

1. The Intersection of Main Road (Route 143) and Old Chesterfield Road  
(Total Crashes – 3, EPDO\* - 7)
2. The Intersection of Ireland Street and Partridge Road  
(Total Crashes – 2, EPDO\* - 2)
3. The Intersection of South Street and Cowper Road  
(Total Crashes – 2, EPDO\* - 2)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

## KEY FINDINGS:

- The Town of Chesterfield experienced a total of 45 crashes within the calendar years of 2012 to 2014.
- The total number of crashes within the Town was observed to be decreasing each year within the analysis period.
- All but 4 of the total crashes were single vehicle collisions with other objects.
- More than 28% of the total crashes involved drivers driving too fast for conditions or speeding.
- Collisions of motor vehicles with trees, utility poles and animals resulted in a total of 17 crashes.

### FIRST HARMFUL EVENT

|   |           |
|---|-----------|
| Collision with tree                     | 6         |
| Collision with utility pole             | 6         |
| Collision with animal - other           | 5         |
| Collision with ditch                    | 5         |
| Collision with embankment               | 5         |
| Collision with motor vehicle in traffic | 4         |
| Collision with animal - deer            | 3         |
| Collision with guardrail                | 3         |
| Collision with other post/support       | 2         |
| Collision with other movable object     | 2         |
| Collision with other                    | 2         |
| Jackknife                               | 1         |
| Other non-collision                     | 1         |
| <b>Total</b>                            | <b>45</b> |

### ROADWAY CLASSIFICATION

|  |           |
|--|-----------|
| Rural minor arterial or urban principal arterial | 18        |
| Local  | 8         |
| Urban minor arterial or rural major collector    | 6         |
| Unknown  | 6         |
| Urban collector or rural minor collector         | 4         |
| <b>Total</b>                                     | <b>42</b> |

### DRIVER CONTRIBUTION CODES

|  |           |
|--|-----------|
| Driving too fast for conditions  | 13        |
| No improper driving  | 11        |
| Unknown  | 6         |
| Distracted or inattention  | 5         |
| Failure to keep in proper lane or running off road                               | 3         |
| Fatigued/asleep  | 3         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 1         |
| Over correcting or over steering   | 1         |
| Physical impairment  | 1         |
| Swerving or avoiding due to wind, object, non-motorist in roadway, etc           | 1         |
| <b>Total</b>   | <b>45</b> |

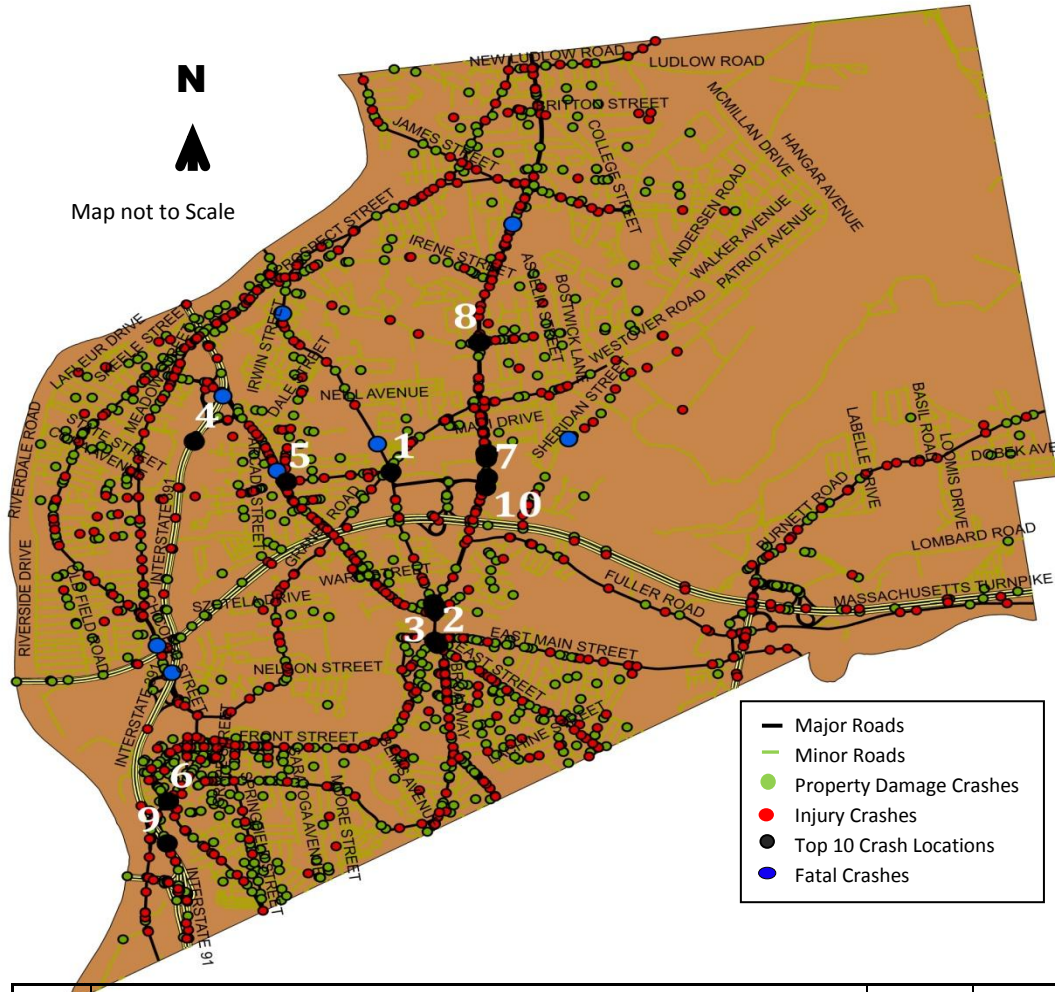
### AMBIENT LIGHT

|                                 |           |
|---------------------------------|-----------|
| Daylight                        | 25        |
| Dark - roadway not lighted      | 15        |
| Dark - lighted roadway          | 2         |
| Dark - unknown roadway lighting | 1         |
| Dawn                            | 1         |
| Dusk                            | 1         |
| <b>Total</b>                    | <b>45</b> |

### LOCATION OF CRASHES

|                       |           |
|-----------------------|-----------|
| Not at junction       | 37        |
| T-intersection        | 3         |
| Y-intersection        | 2         |
| Four-way intersection | 1         |
| Not reported          | 1         |
| Unknown               | 1         |
| <b>Total</b>          | <b>45</b> |

# Pioneer Valley SafetyCompass CHICOPEE (2012 – 2014)



## CITY CRASH PROFILE

| Year           | Total | Manner of Collision                              | Severity | Roadway                            |     |       |      |
|----------------|-------|--|----------|------------------------------------|-----|-------|------|
| 2012           | 1390  | Angle  | 393      | Fatal                              | 5   | Dry   | 1068 |
|                |       | Head On  | 33       | No injury                          | 877 | Ice   | 18   |
|                |       | Rear End   | 461      | Non-fatal injury – I <sup>§</sup>  | 32  | Snow  | 34   |
|                |       | Side Swipe                                       | 178      | Non-fatal injury – NC <sup>^</sup> | 195 | Wet   | 241  |
|                |       | Single Vehicle                                   | 282      | Non-fatal injury – P <sup>@</sup>  | 171 | Slush | 6    |
|                |       | Not Reported                                     | 43       | Not reported                       | 110 | Other | 23   |
|                |       | 2013   | 1351     | Angle                              | 390 | Fatal | 2    |
| Head On        | 41    |  |          | No injury                          | 870 | Ice   | 16   |
| Rear End       | 439   |  |          | Non-fatal injury – I <sup>§</sup>  | 19  | Snow  | 57   |
| Side Swipe     | 200   |  |          | Non-fatal injury – NC <sup>^</sup> | 190 | Wet   | 226  |
| Single Vehicle | 243   |  |          | Non-fatal injury – P <sup>@</sup>  | 187 | Slush | 6    |
| Not Reported   | 38    |  |          | Not reported                       | 83  | Other | 35   |
| 2014           | 1425  |  |          | Angle                              | 392 | Fatal | 1    |
|                |       | Head On  | 42       | No injury                          | 918 | Ice   | 49   |
|                |       | Rear End   | 480      | Non-fatal injury – I <sup>§</sup>  | 21  | Snow  | 76   |
|                |       | Side Swipe                                       | 199      | Non-fatal injury – NC <sup>^</sup> | 192 | Wet   | 248  |
|                |       | Single Vehicle                                   | 269      | Non-fatal injury – P <sup>@</sup>  | 194 | Slush | 4    |
|                |       | Not Reported                                     | 43       | Not reported                       | 99  | Other | 8    |
| Total          | 4166  | ^ Non Incapacitating @ Possible § Incapacitating |          |                                    |     |       |      |

## TOP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | Montgomery Street, McKinstry Avenue, Granby Road, and BJ's Plaza Driveway         | 100     | 188   | 6    | Center Street, West Street, and Hampden Street                        | 54      | 114   |
| 2    | Bridge Street, East Main Street, Broadway, Main Street, and Church Street         | 75      | 155   | 7    | Memorial Drive in the vicinity of Stop and Shop Plaza                 | 60      | 112   |
| 3    | Memorial Drive, Grattan Street, Bridge Street, Montgomery Street, Sheridan Street | 73      | 153   | 8    | Memorial Drive and Pendleton Avenue                                   | 51      | 103   |
| 4    | Interstate I-391 in the vicinity of Exit 4 for Route 141                          | 41      | 117   | 9    | Interstate I-391 in the vicinity of Exit 3 towards Route 116          | 53      | 97    |
| 5    | Grattan Street, McKinstry Avenue, and Dale Street                                 | 44      | 116   | 10   | Memorial Drive in the vicinity of Intersection with I-90 Exit 5 ramps | 43      | 95    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 4166 crashes in the City of Chicopee within the calendar years of 2012 to 2014.
- A total of 8 fatal crashes occurred in the City within this period.
- Approximately 33% of the total crashes were rear end crashes, followed by angle (28%), and single vehicle (19%) type crashes.
- Chicopee experienced 124 non-motorist collisions within the analysis period which resulted in 8 incapacitating injuries.
- Approximately 11.5% of the total crashes occurred along the interstates I-90 and I-391.
- Approximately 15% of the total crashes in the City occurred along Memorial Drive (Route 33).

**LOCATION OF CRASHES**

|                        |             |
|------------------------|-------------|
| Not at junction        | 1939        |
| T-intersection         | 846         |
| Four-way intersection  | 799         |
| Off-ramp               | 167         |
| Y-intersection         | 117         |
| Driveway               | 86          |
| On-ramp                | 74          |
| Traffic circle         | 56          |
| Five-point or more     | 35          |
| Unknown                | 23          |
| Not reported           | 22          |
| Railway grade crossing | 2           |
| <b>Total</b>           | <b>4166</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Urban minor arterial or rural major collector    | 1386        |
| Rural minor arterial or urban principal arterial | 1221        |
| Local  | 515         |
| Interstate                                       | 480         |
| Urban collector or rural minor collector         | 367         |
| Unknown  | 196         |
| Ramp - Interstate                                | 1           |
| <b>Total</b>                                     | <b>4166</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |            |
|---------------|------------|
| Pedestrian    | 67         |
| Pedalcyclist* | 52         |
| Other         | 5          |
| <b>Total</b>  | <b>124</b> |

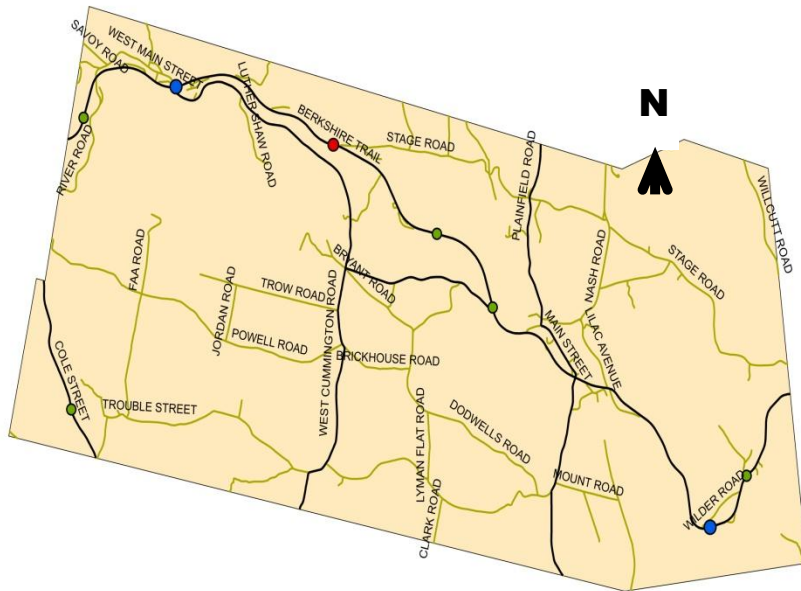
\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 191        |
| Unknown  | 139        |
| Driving too fast for conditions or speeding                                      | 109        |
| Distracted, Emotional or Inattention   | 76         |
| Failure to keep in proper lane or running off road                               | 65         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 47         |
| Fatigue, Illness or Physical Impairment  | 43         |
| Other improper action  | 38         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 31         |
| Over correcting or over steering   | 20         |
| Glare or obstructed visibility   | 14         |
| Disregarded traffic signs, signals, road markings                                | 5          |
| Failed to yield right of way   | 5          |
| Operating defective equipment  | 5          |
| Made an improper turn  | 4          |
| Followed too closely   | 1          |
| Wrong side of the road   | 1          |
| <b>Total</b>   | <b>794</b> |

# Pioneer Valley SafetyCompass

## CUMMINGTON (2012 – 2014)



- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Fatal Crashes

Map not to Scale

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity | Roadway                            | Weather |      |   |        |   |
|-------|-------|---------------------|----------|------------------------------------|---------|------|---|--------|---|
| 2012  | 4     | Rear end            | 1        | No injury                          | 2       | Dry  | 3 | Clear  | 3 |
|       |       | Single Vehicle      | 3        | Non-fatal injury - NC <sup>^</sup> | 1       | Ice  | 1 | Cloudy | 1 |
|       |       |                     |          | Non-fatal Injury - P <sup>@</sup>  | 1       |      |   |        |   |
| 2013  | 2     | Side Swipe          | 1        | Fatal Injury                       | 2       | Dry  | 1 | Cloudy | 2 |
|       |       | Single Vehicle      | 1        |                                    |         | Wet  | 1 |        |   |
| 2014  | 4     | Head on             | 1        | No injury                          | 3       | Dry  | 1 | Clear  | 2 |
|       |       | Single Vehicle      | 3        | Not Reported                       | 1       | Ice  | 2 | Snow   | 1 |
|       |       |                     |          |                                    |         | Snow | 1 | Sleet  | 1 |
| Total | 10    |                     |          |                                    |         |      |   |        |   |

<sup>^</sup> Non Incapacitating    <sup>@</sup> Possible    <sup>\$</sup> Incapacitating    <sup>\*</sup> Not Reported

### HIGHLIGHTS:

Only 8 out of 10 reported crashes could be depicted in the map as 2 of the reported crashes did not provide geographic data.

Both the fatal crashes occurred along Berkshire Trail (Route 9), one east of its intersection with West Cummington Road and other east of its intersection with Wilder Road.

Only one out of 2 injury crashes could be located. It occurred at the intersection of Berkshire Trail (Route 9) and Stage Road



**KEY FINDINGS:**

- The Town of Cummington experienced a total of 10 crashes within the calendar years of 2012 to 2014.
- In the year 2013, 2 fatal crashes were reported in the Town along Route 9
- A total of 7 out of the 10 crashes were single vehicle type.
- Collisions of motor vehicles with guardrails resulted in 3 crashes.
- A total of 3 crashes occurred due to vehicles running off the road.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with guardrail                | 3         |
| Collision with motor vehicle in traffic | 3         |
| Collision with embankment               | 2         |
| Collision with animal - deer            | 1         |
| Collision with ditch                    | 1         |
| <b>Total</b>                            | <b>10</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| No improper driving                                | 4         |
| Failure to keep in proper lane or running off road | 3         |
| Followed too closely                               | 1         |
| Unknown  | 1         |
| Wrong side or wrong way                            | 1         |
| <b>Total</b>                                       | <b>10</b> |

**AMBIENT LIGHT**

|                            |           |
|----------------------------|-----------|
| Daylight                   | 7         |
| Dark - roadway not lighted | 3         |
| <b>Total</b>               | <b>10</b> |

**LOCATION OF CRASHES**

|                 |           |
|-----------------|-----------|
| Not at junction | 9         |
| T-intersection  | 1         |
| <b>Total</b>    | <b>10</b> |

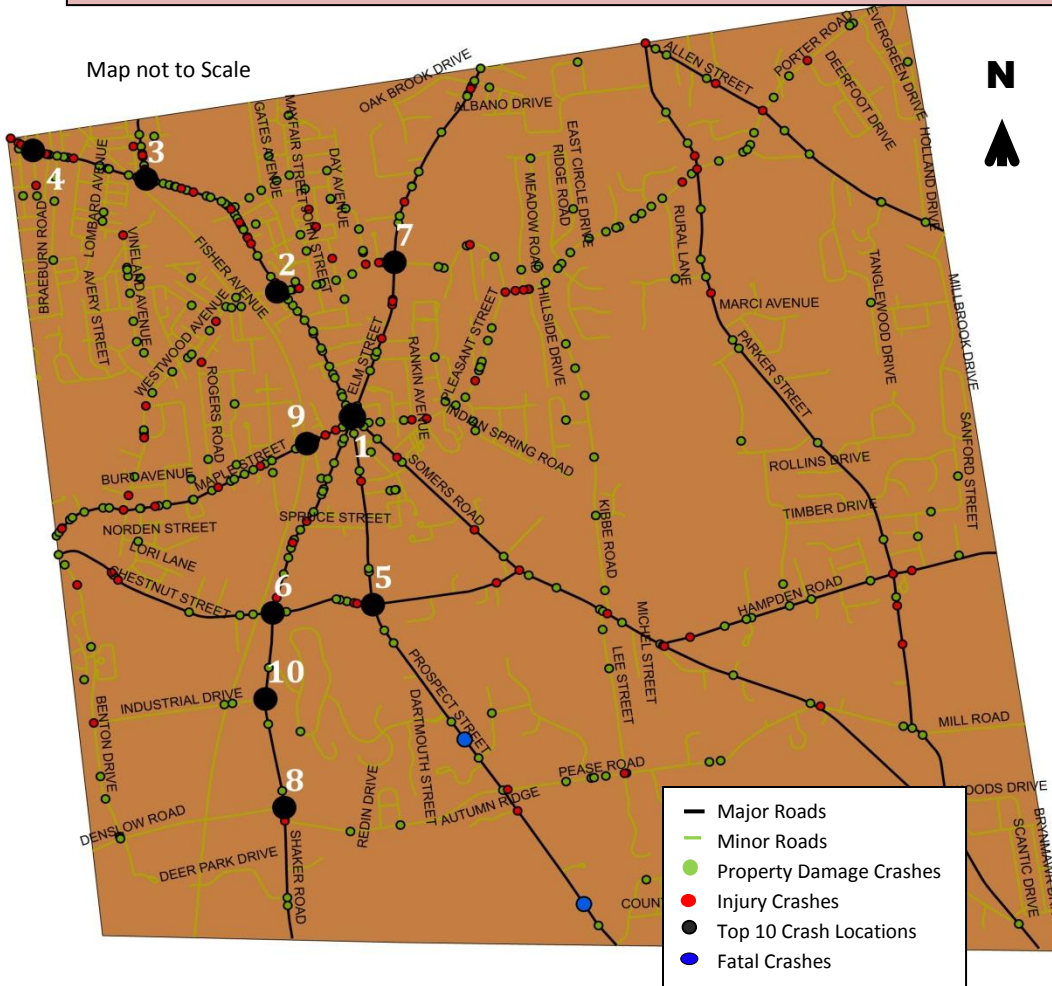
**ROADWAY CLASSIFICATION**

|   |           |
|---|-----------|
| Rural or urban principal arterial             | 7         |
| Urban minor arterial or rural major collector | 1         |
| Unknown                                       | 2         |
| <b>Total</b>                                  | <b>10</b> |

# Pioneer Valley SafetyCompass

## EAST LONGMEADOW (2012 – 2014)

Map not to Scale



### CITY CRASH PROFILE

| Year           | Total | Manner of Collision | Severity | Roadway   |     |       |     |
|----------------|-------|---------------------|----------|---|-----|-------|-----|
| 2012           | 384   | Angle               | 143      | Fatal   | 1   | Dry   | 292 |
|                |       | Head On             | 8        | No injury   | 309 | Ice   | 4   |
|                |       | Rear End            | 93       | Non-fatal injury – I <sup>\$</sup>                | 3   | Snow  | 8   |
|                |       | Side Swipe          | 27       | Non-fatal injury – NC <sup>^</sup>                | 17  | Wet   | 67  |
|                |       | Single Vehicle      | 109      | Non-fatal injury – P <sup>@</sup>                 | 34  | Slush | 4   |
|                |       | Not Reported        | 4        | Not reported                                      | 20  | Other | 9   |
|                |       | 2013                | 384      | Angle   | 129 | Fatal | 0   |
| Head On        | 7     |                     |          | No injury   | 309 | Ice   | 6   |
| Rear End       | 120   |                     |          | Non-fatal injury – I <sup>\$</sup>                | 2   | Snow  | 17  |
| Side Swipe     | 25    |                     |          | Non-fatal injury – NC <sup>^</sup>                | 20  | Wet   | 44  |
| Single Vehicle | 98    |                     |          | Non-fatal injury – P <sup>@</sup>                 | 34  | Slush | 5   |
| Not Reported   | 5     |                     |          | Not reported                                      | 19  | Other | 7   |
| 2014           | 402   |                     |          | Angle   | 143 | Fatal | 1   |
|                |       | Head On             | 10       | No injury   | 320 | Ice   | 25  |
|                |       | Rear End            | 107      | Non-fatal injury – I <sup>\$</sup>                | 0   | Snow  | 13  |
|                |       | Side Swipe          | 34       | Non-fatal injury – NC <sup>^</sup>                | 26  | Wet   | 59  |
|                |       | Single Vehicle      | 99       | Non-fatal injury – P <sup>@</sup>                 | 34  | Slush | 3   |
|                |       | Not Reported        | 9        | Not reported                                      | 21  | Other | 5   |
|                |       | Total               | 1170     | ^ Non Incapacitating @ Possible \$ Incapacitating |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location                                 | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | North Main Street,Somers Road,Shaker Road,Prospect Street,Maple Street,Pleasant Street,Elm Street | 170     | 246   | 6    | Shaker Road (Route 220) and Chestnut Street           | 21      | 29    |
| 2    | North Main Street (Route 83), Mapleshade Avenue, and Westwood Avenue                              | 66      | 106   | 7    | Elm Street and Mapleshade Avenue                      | 20      | 28    |
| 3    | North Main Street (Route 83), Harkness Avenue, and Benjamin Street                                | 41      | 73    | 8    | Shaker Road (Route 220), Denslow Road, and Pease Road | 12      | 28    |
| 4    | North Main Street (Route 83), Granby Street, Rosemont Street, and Thompson Street                 | 12      | 32    | 9    | Maple Street, Maple Court, and Baldwin Street         | 13      | 25    |
| 5    | Prospect Street (Route 186) and Chestnut Street   | 24      | 32    | 10   | Shaker Road (Route 220) and Industrial Road           | 8       | 24    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 1170 crashes in the Town of East Longmeadow within the calendar years of 2012 to 2014.
- East Longmeadow reported 2 fatal crashes within this period both along Prospect Street (Route 186).
- Approximately 35% of the total crashes were angle collisions, followed by rear end (27%), and single vehicle (26%) type crashes.
- East Longmeadow experienced 18 non-motorist collisions within the analysis period none of which resulted in serious injuries.
- Speeding was observed to be the cause for almost 17% of all single vehicle crashes.

**LOCATION OF CRASHES**

|                       |             |
|-----------------------|-------------|
| Not at junction       | 563         |
| T-intersection        | 255         |
| Four-way intersection | 141         |
| Traffic circle        | 113         |
| Driveway              | 55          |
| Five-point or more    | 19          |
| Y-intersection        | 18          |
| Unknown               | 5           |
| Off-ramp              | 1           |
| <b>Total</b>          | <b>1170</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Urban minor arterial or rural major collector    | 429         |
| Rural minor arterial or urban principal arterial | 350         |
| Urban collector or rural minor collector         | 153         |
| Local  | 119         |
| Unknown  | 119         |
| <b>Total</b>                                     | <b>1170</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedalcyclist* | 8         |
| Pedestrian    | 7         |
| Wheelchair    | 3         |
| <b>Total</b>  | <b>18</b> |

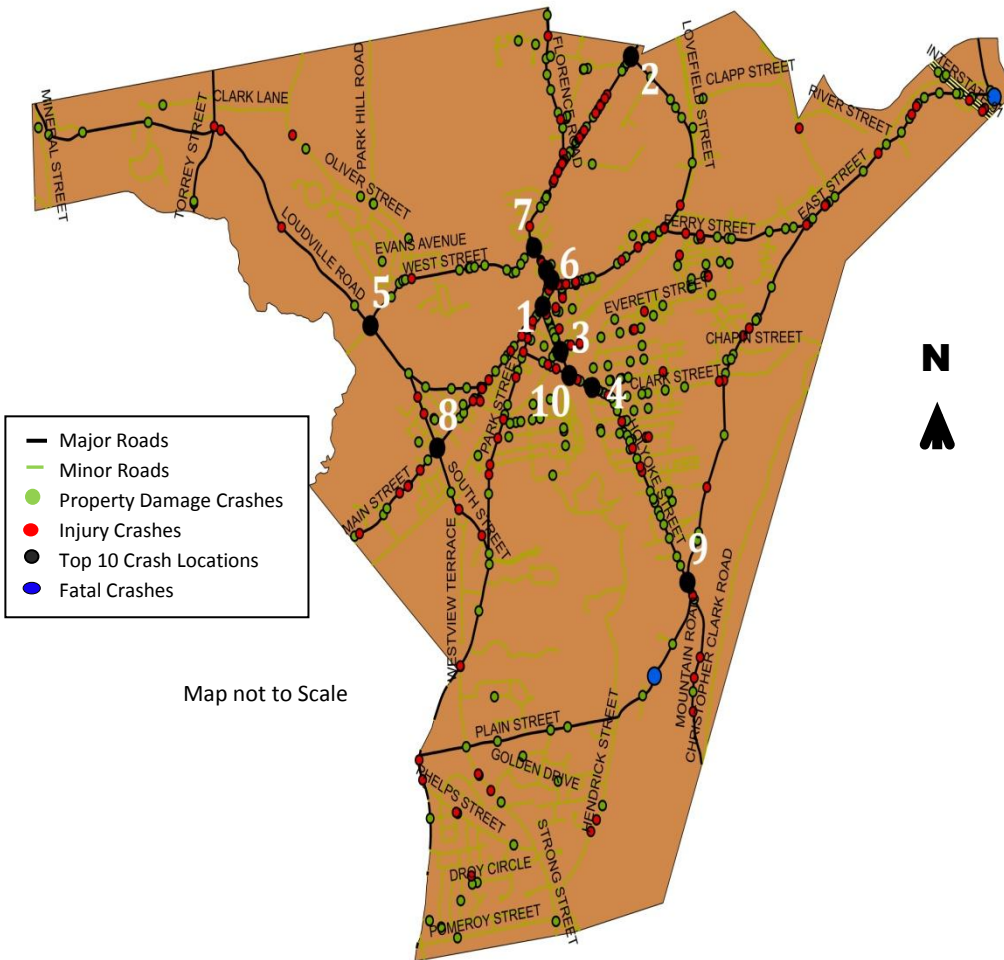
\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 91         |
| Driving too fast for conditions or speeding                                      | 52         |
| Distracted, Emotional or Inattention   | 38         |
| Unknown  | 37         |
| Failure to keep in proper lane or running off road                               | 25         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 17         |
| Fatigue, Illness or Physical Impairment  | 14         |
| Other improper action  | 11         |
| Over correcting or over steering   | 6          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 6          |
| Failed to yield right of way   | 5          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Followed too closely   | 1          |
| Made an improper turn  | 1          |
| Operating defective equipment  | 1          |
| <b>Total</b>   | <b>306</b> |

# Pioneer Valley SafetyCompass

## EASTHAMPTON (2012 – 2014)



### CITY CRASH PROFILE

| Year           | Total | Manner of Collision                               | Severity | Roadway                            |     |       |     |
|----------------|-------|---|----------|------------------------------------|-----|-------|-----|
| 2012           | 303   | Angle   | 96       | Fatal                              | 0   | Dry   | 247 |
|                |       | Head On   | 3        | No injury                          | 223 | Ice   | 3   |
|                |       | Rear End  | 100      | Non-fatal injury – I <sup>\$</sup> | 5   | Snow  | 10  |
|                |       | Side Swipe  | 29       | Non-fatal injury – NC <sup>^</sup> | 44  | Wet   | 38  |
|                |       | Single Vehicle                                    | 72       | Non-fatal injury – P <sup>@</sup>  | 17  | Slush | 2   |
|                |       | Not Reported                                      | 3        | Not reported                       | 14  | Other | 3   |
|                |       | 2013  | 277      | Angle                              | 99  | Fatal | 1   |
| Head On        | 5     |   |          | No injury                          | 210 | Ice   | 1   |
| Rear End       | 80    |   |          | Non-fatal injury – I <sup>\$</sup> | 3   | Snow  | 9   |
| Side Swipe     | 33    |   |          | Non-fatal injury – NC <sup>^</sup> | 26  | Wet   | 57  |
| Single Vehicle | 54    |   |          | Non-fatal injury – P <sup>@</sup>  | 22  | Slush | 0   |
| Not Reported   | 6     |   |          | Not reported                       | 15  | Other | 3   |
| 2014           | 293   | Angle   | 94       | Fatal                              | 1   | Dry   | 219 |
|                |       | Head On   | 10       | No injury                          | 211 | Ice   | 6   |
|                |       | Rear End  | 90       | Non-fatal injury – I <sup>\$</sup> | 5   | Snow  | 16  |
|                |       | Side Swipe  | 37       | Non-fatal injury – NC <sup>^</sup> | 34  | Wet   | 50  |
|                |       | Single Vehicle                                    | 55       | Non-fatal injury – P <sup>@</sup>  | 22  | Slush | 1   |
|                |       | Not Reported                                      | 7        | Not reported                       | 20  | Other | 1   |
| Total          | 873   | ^ Non Incapacitating @ Possible \$ Incapacitating |          |                                    |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | Main Street (Route 10) and Union Street (Route 141)                   | 39      | 55    | 6    | Northampton Street and Lyman Avenue                               | 14      | 34    |
| 2    | Northampton Street (Route 10) and O'Neil Street                       | 23      | 55    | 7    | Northampton Street (Route 10), West Street, and Mill Street       | 16      | 32    |
| 3    | Union Street (Route 141), Liberty Street, and Railroad Street         | 32      | 48    | 8    | Main Street (Route 10) and South Street                           | 15      | 31    |
| 4    | Adams Street, Cottage Street, and Maple Street                        | 25      | 41    | 9    | Holyoke Street (Route 141) and East Street                        | 14      | 30    |
| 5    | Glendale Street, Loudville Road, West Street, and Pomeroy Meadow Road | 10      | 38    | 10   | Cottage Street, Union Street, Payson Avenue, and Williston Avenue | 13      | 29    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 873 crashes in the City of Easthampton within the calendar years of 2012 to 2014.
- Easthampton reported 2 fatal crashes within this period. One of those occurred along North Street (Route 5) south of its intersection with Skymanski Avenue and the other one occurred along Hendrick Street south of its intersection with Brittany Lane.
- Approximately 30% of the total crashes in the Town occurred along Route 10.
- Approximately 33% of the total crashes were angle collisions, followed by rear end (31%), and single vehicle (20%) type crashes.
- Easthampton experienced 28 non-motorist collisions within the analysis period, 6 of which resulted in incapacitating injuries.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 527        |
| T-intersection        | 186        |
| Driveway              | 70         |
| Four-way intersection | 51         |
| Y-intersection        | 19         |
| Traffic circle        | 9          |
| Unknown               | 9          |
| Five-point or more    | 2          |
| <b>Total</b>          | <b>873</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 12        |
| Pedalcyclist* | 16        |
| <b>Total</b>  | <b>28</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 53         |
| Distracted, Emotional or Inattention   | 40         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 19         |
| Fatigue, Illness or Physical Impairment  | 17         |
| Driving too fast for conditions or speeding                                      | 13         |
| Unknown  | 12         |
| Failure to keep in proper lane or running off road                               | 11         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 5          |
| Glare or obstructed visibility   | 5          |
| Other improper action  | 4          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Made an improper turn  | 1          |
| Over correcting or over steering   | 1          |
| <b>Total</b>   | <b>181</b> |

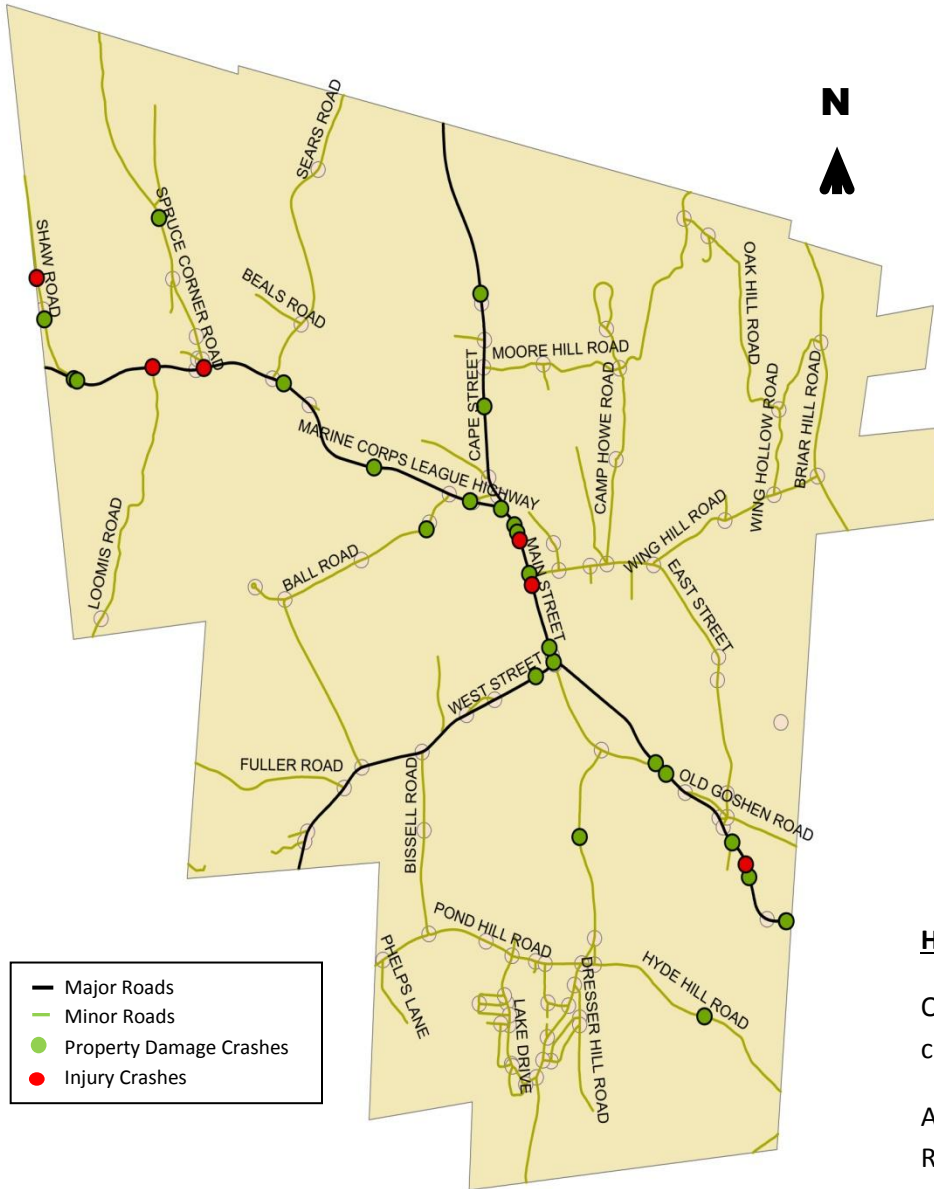
**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Rural minor arterial or urban principal arterial | 360        |
| Urban minor arterial or rural major collector    | 288        |
| Local  | 143        |
| Unknown  | 40         |
| Urban collector or rural minor collector         | 29         |
| Interstate                                       | 13         |
| <b>Total</b>                                     | <b>873</b> |

# Pioneer Valley SafetyCompass

## GOSHEN (2012 – 2014)

### TOWN CRASH PROFILE



| Year  | Total | Manner of Collision  | Severity | Roadway                | Weather |      |   |        |   |
|-------|-------|--|----------|------------------------|---------|------|---|--------|---|
| 2012  | 14    | Rear End   | 1        | No injury              | 6       | Dry  | 8 | Clear  | 5 |
|       |       | Side Swipe   | 1        | Non-fatal injury - NC^ | 1       | Ice  | 1 | Cloudy | 6 |
|       |       | Single Vehicle   | 12       | Non-fatal Injury - P@  | 6       | Wet  | 3 | Snow   | 1 |
|       |       |  |          | Not Reported           | 1       | Snow | 2 | Other  | 2 |
| 2013  | 10    | Rear End   | 2        | No injury              | 8       | Dry  | 2 | Clear  | 3 |
|       |       | Single Vehicle   | 8        | Not Reported           | 2       | Sand | 1 | Cloudy | 5 |
|       |       |  |          | Wet                    | 3       | Rain | 1 |        |   |
|       |       |  |          | Snow                   | 4       | Snow | 1 |        |   |
| 2014  | 18    | Head On  | 2        | No injury              | 16      | Dry  | 9 | Clear  | 8 |
|       |       | Rear End   | 1        | Non-fatal injury - NC^ | 1       | Ice  | 1 | Cloudy | 7 |
|       |       | Single Vehicle   | 15       |                        | 8       | Snow | 8 | Snow   | 2 |
| Total | 42    | ^ Non Incapacitating @ Possible \$ Incapacitating * Not Reported |          |                        |         |      |   |        |   |

### HIGHLIGHTS:

Only 33 out of 42 reported crashes have been depicted on the map. The remaining 9 crashes did not have enough information to be able to locate them geographically.

All of the 6 known injury crashes that could be depicted occurred along Route 9 and Route 112.

**KEY FINDINGS:**

- The Town of Goshen experienced a total of 42 crashes within the calendar years of 2012 to 2014.
- More than 20% of the total crashes involved vehicles that failed to stay in the proper lane or ran off the road.
- More than 83% (35 out of 42) of the total crashes are single vehicle collisions with other objects.
- There was a pedestrian crash reported in the Town in the year 2014 which resulted in a non incapacitating injury.
- Half of the crashes occurred during the hours of darkness.
- Collisions of motor vehicles with trees, guardrails, and ditches resulted in a total of 18 crashes.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with tree                     | 7         |
| Collision with guardrail                | 6         |
| Collision with ditch                    | 5         |
| Collision with motor vehicle in traffic | 5         |
| Collision with embankment               | 4         |
| Collision with other post/support       | 4         |
| Collision with utility pole             | 4         |
| Collision with animal - deer            | 3         |
| Collision with animal - other           | 2         |
| Collision with other                    | 1         |
| Collision with pedestrian               | 1         |
| <b>Total</b>                            | <b>42</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| No improper driving  | 17        |
| Failure to keep in proper lane or running off road                               | 9         |
| Driving too fast for conditions  | 5         |
| Unknown  | 4         |
| Swerving or avoiding due to wind, slippery surface, etc                          | 3         |
| Fatigued/asleep  | 2         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 1         |
| Over-correcting/over-steering  | 1         |
| <b>Total</b>   | <b>42</b> |

**AMBIENT LIGHT**

|                            |           |
|----------------------------|-----------|
| Daylight                   | 21        |
| Dark - roadway not lighted | 16        |
| Dark - lighted roadway     | 3         |
| Dusk                       | 2         |
| <b>Total</b>               | <b>42</b> |

**LOCATION OF CRASHES**

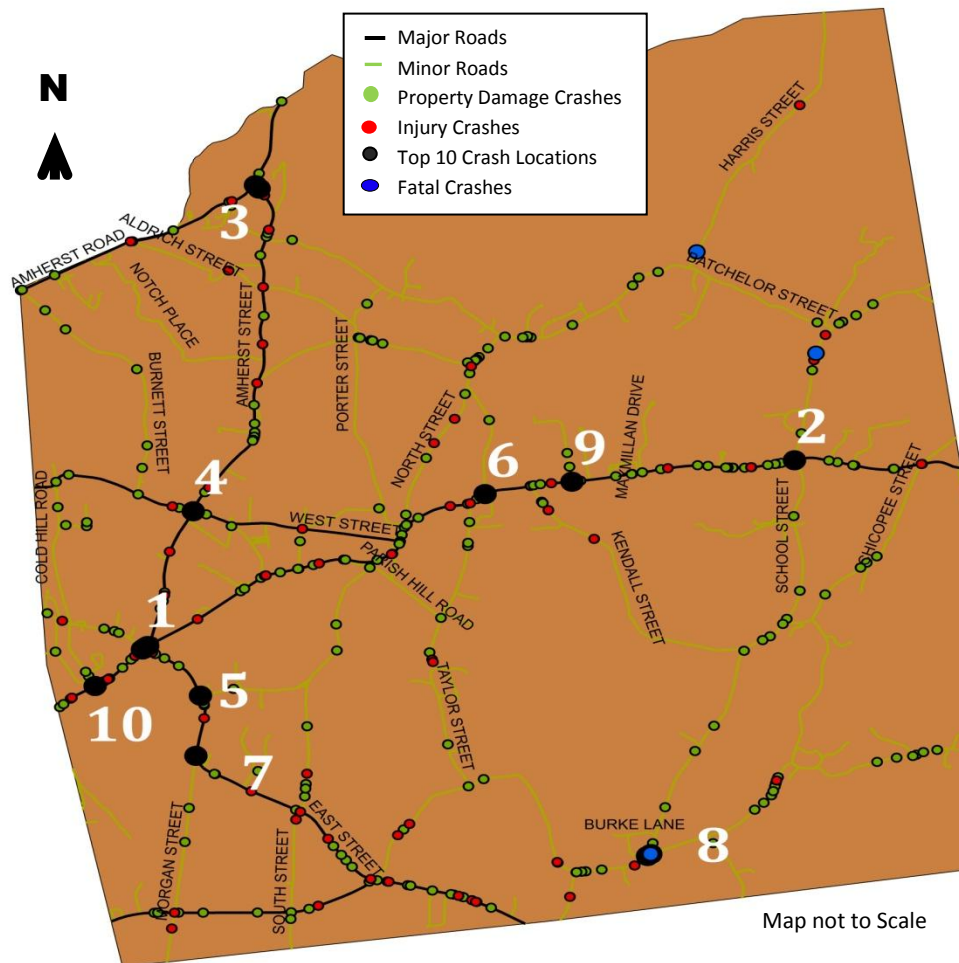
|                 |           |
|-----------------|-----------|
| Not at junction | 34        |
| T-intersection  | 5         |
| Not reported    | 2         |
| Y-intersection  | 1         |
| <b>Total</b>    | <b>42</b> |

**ROADWAY CLASSIFICATION**

|   |           |
|---|-----------|
| Local   | 6         |
| Rural or urban principal arterial             | 21        |
| Urban collector or rural minor collector      | 1         |
| Urban minor arterial or rural major collector | 4         |
| Unknown                                       | 10        |
| <b>Total</b>                                  | <b>42</b> |

# Pioneer Valley SafetyCompass

## GRANBY (2012 – 2014)



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity | Roadway                            |     |       |     |
|-------|-------|---------------------|----------|------------------------------------|-----|-------|-----|
| 2012  | 166   | Angle               | 21       | Fatal                              | 1   | Dry   | 120 |
|       |       | Head On             | 2        | No injury                          | 117 | Ice   | 6   |
|       |       | Rear End            | 36       | Non-fatal injury – I <sup>\$</sup> | 3   | Snow  | 9   |
|       |       | Side Swipe          | 20       | Non-fatal injury – NC <sup>^</sup> | 24  | Wet   | 30  |
|       |       | Single Vehicle      | 81       | Non-fatal injury – P <sup>@</sup>  | 10  | Slush | 1   |
|       |       | Not Reported        | 6        | Not reported                       | 11  | Other | 0   |
| 2013  | 168   | Angle               | 25       | Fatal                              | 1   | Dry   | 119 |
|       |       | Head On             | 10       | No injury                          | 125 | Ice   | 5   |
|       |       | Rear End            | 33       | Non-fatal injury – I <sup>\$</sup> | 0   | Snow  | 16  |
|       |       | Side Swipe          | 17       | Non-fatal injury – NC <sup>^</sup> | 26  | Wet   | 24  |
|       |       | Single Vehicle      | 79       | Non-fatal injury – P <sup>@</sup>  | 10  | Slush | 3   |
|       |       | Not Reported        | 4        | Not reported                       | 6   | Other | 1   |
| 2014  | 154   | Angle               | 30       | Fatal                              | 1   | Dry   | 108 |
|       |       | Head On             | 3        | No injury                          | 122 | Ice   | 8   |
|       |       | Rear End            | 37       | Non-fatal injury – I <sup>\$</sup> | 2   | Snow  | 12  |
|       |       | Side Swipe          | 11       | Non-fatal injury – NC <sup>^</sup> | 15  | Wet   | 21  |
|       |       | Single Vehicle      | 73       | Non-fatal injury – P <sup>@</sup>  | 9   | Slush | 2   |
|       |       | Not Reported        | 0        | Not reported                       | 5   | Other | 3   |
| Total | 488   |                     |          |                                    |     |       |     |

^ Non Incapacitating @ Possible \$ Incapacitating

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location  | Crashes | EPDO* | Rank | Intersection/Location                                 | Crashes | EPDO* |
|------|--|---------|-------|------|---|---------|-------|
| 1    | West State Street (Route 202), Pleasant Street, and Amherst Street | 56      | 96    | 6    | East State Street (Route 202) and Lyman Street        | 8       | 16    |
| 2    | East State Street (Route 202) and School Street                    | 14      | 30    | 7    | Pleasant Street, East Street, and Morgan Street       | 4       | 16    |
| 3    | Amherst Road (Route 116) and Amherst Street                        | 12      | 28    | 8    | Chicopee Street, Carver Street, and Meadow Glen Drive | 5       | 14    |
| 4    | Amherst Street and West Street                                     | 8       | 24    | 9    | East State Street (Route 202) and Green Meadow Lane   | 5       | 13    |
| 5    | Pleasant Street and Barton Street                                  | 5       | 17    | 10   | West State Street (Route 202) and High Street         | 5       | 13    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)



**KEY FINDINGS:**

- There were a total of 488 crashes in the Town of Granby within the calendar years of 2012 to 2014.
- Granby reported 3 fatal crashes within this period.
- Approximately 40% of the total crashes (193 out of 488) occurred along Route 202.
- Approximately 48% of the total crashes were single vehicle crashes, followed by rear end (22%), and angle (16%) type crashes.
- Granby experienced 3 pedestrian collisions within the analysis period, one of which resulted in a fatality.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 333        |
| T-intersection        | 56         |
| Four-way intersection | 55         |
| Driveway              | 24         |
| Y-intersection        | 14         |
| Five-point or more    | 3          |
| Unknown               | 3          |
| <b>Total</b>          | <b>488</b> |

**AMBIENT LIGHT**

|                            |            |
|----------------------------|------------|
| Daylight                   | 316        |
| Dark - roadway not lighted | 78         |
| Dark - lighted roadway     | 61         |
| Dusk                       | 15         |
| Dawn                       | 11         |
| Other                      | 4          |
| Dark - unknown lighting    | 2          |
| Unknown                    | 1          |
| <b>Total</b>               | <b>488</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

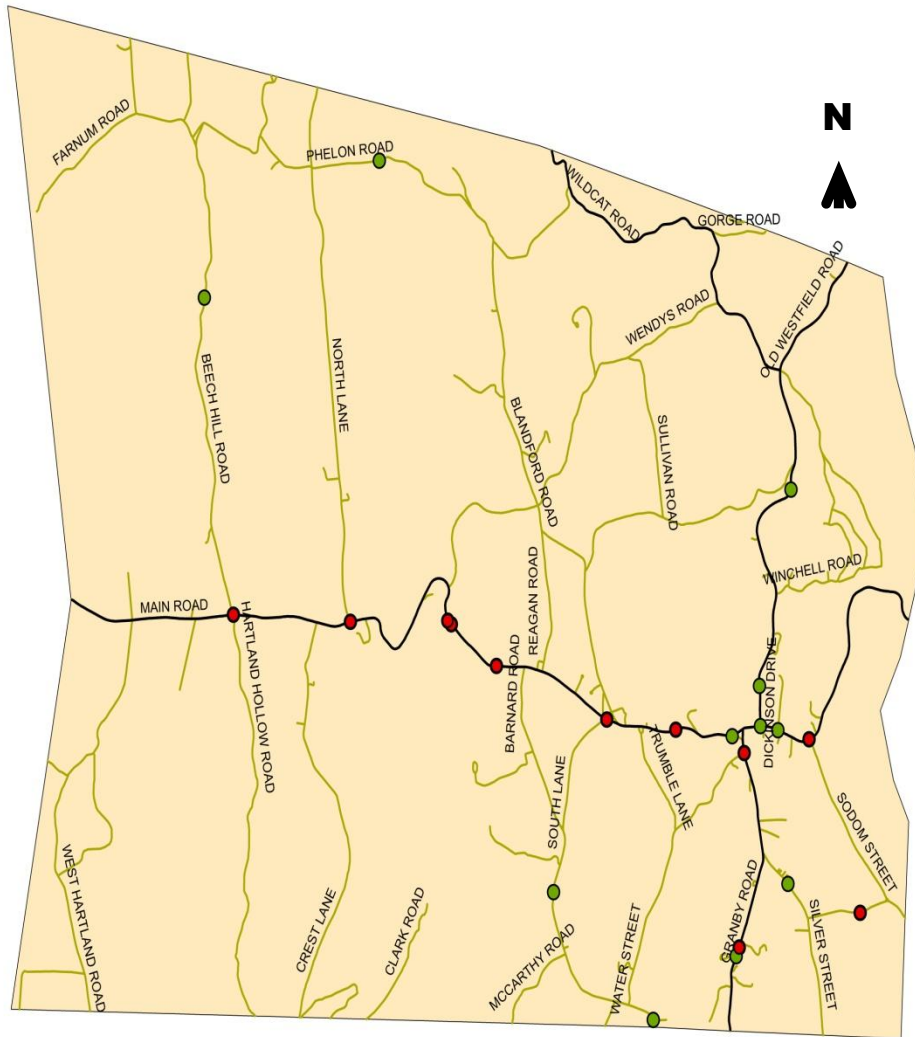
|  |            |
|--|------------|
| No improper driving  | 87         |
| Distracted, Emotional or Inattention   | 39         |
| Driving too fast for conditions or speeding                                      | 27         |
| Fatigue, Illness or Physical Impairment  | 17         |
| Unknown  | 16         |
| Failure to keep in proper lane or running off road                               | 12         |
| Over correcting or over steering   | 11         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 11         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 9          |
| Other improper action  | 3          |
| Glare or obstructed visibility   | 1          |
| <b>Total</b>   | <b>233</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Rural minor arterial or urban principal arterial | 199        |
| Urban minor arterial or rural major collector    | 116        |
| Urban collector or rural minor collector         | 85         |
| Local  | 67         |
| Unknown  | 21         |
| <b>Total</b>                                     | <b>488</b> |

# Pioneer Valley SafetyCompass

## GRANVILLE (2012 – 2014)



- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes

Map not to Scale

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity | Roadway                            | Weather |       |   |        |   |
|-------|-------|---------------------|----------|------------------------------------|---------|-------|---|--------|---|
| 2012  | 12    | Side Swipe          | 1        | No injury                          | 6       | Dry   | 8 | Clear  | 6 |
|       |       | Single Vehicle      | 11       | Non-fatal injury - I <sup>\$</sup> | 1       | Ice   | 3 | Cloudy | 4 |
|       |       |                     |          | Non-fatal injury - NC <sup>^</sup> | 3       | Wet   | 1 | Snow   | 1 |
|       |       |                     |          | Not Reported                       | 2       |       |   | Other  | 1 |
| 2013  | 10    | Rear End            | 2        | No injury                          | 6       | Dry   | 4 | Clear  | 3 |
|       |       | Single Vehicle      | 8        | Non-fatal injury - I <sup>\$</sup> | 1       | Sand  | 1 | Cloudy | 2 |
|       |       |                     |          | Non-fatal injury - NC <sup>^</sup> | 2       | Wet   | 2 | NR*    | 2 |
|       |       |                     |          | Non-fatal Injury - P <sup>@</sup>  | 1       | Snow  | 2 | Rain   | 2 |
| 2014  | 9     | Angle               | 1        | No injury                          | 6       | Dry   | 2 | Clear  | 3 |
|       |       | Side Swipe          | 1        | Non-fatal injury - I <sup>\$</sup> | 1       | Slush | 2 | Cloudy | 1 |
|       |       | Single Vehicle      | 7        | Non-fatal Injury - P <sup>@</sup>  | 2       | Snow  | 1 | Other  | 2 |
|       |       |                     |          |                                    |         | Wet   | 4 | Rain   | 2 |
| Total | 31    |                     |          |                                    |         |       |   |        |   |

<sup>^</sup> Non Incapacitating    <sup>@</sup> Possible    <sup>\$</sup> Incapacitating    \* Not Reported

### HIGHLIGHTS

Only 24 out of the 31 reported crashes in the Town have been depicted in the Map as 6 reported crashes did not have enough information to be able to plot them geographically.

A total of 13 out of the 24 mapped crashes occurred along Main Road (Route 57) and 3 crashes occurred along Granby Road (Route 189).

**KEY FINDINGS:**

- The Town of Granville experienced a total of 31 crashes within the calendar years of 2012 to 2014.
- More than 25% of the total crashes occurred due to drivers driving too fast for conditions
- More than 80% (26 out of 31) of the total crashes are single vehicle collisions with other objects.
- More than half of the crashes occurred during the hours of darkness.
- Collisions of motor vehicles with ditches, trees, and embankments have resulted in a total of 14 crashes.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with motor vehicle in traffic | 5         |
| Collision with ditch                    | 5         |
| Collision with tree                     | 5         |
| Collision with embankment               | 4         |
| Collision with animal - deer            | 2         |
| Collision with animal - other           | 2         |
| Collision with guardrail                | 2         |
| Collision with post/support             | 2         |
| Collision with other                    | 2         |
| Collision with other movable object     | 1         |
| Collision with unknown fixed object     | 1         |
| <b>Total</b>                            | <b>31</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| No improper driving  | 9         |
| Driving too fast for conditions  | 8         |
| Unknown  | 4         |
| Failure to keep in proper lane or running off road                               | 3         |
| Swerving or avoiding due to wind, slippery surface, object, etc                  | 2         |
| Exceeded authorized speed limit  | 1         |
| Failed to yield right of way   | 1         |
| Fatigued/asleep  | 1         |
| Inattention  | 1         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 1         |
| <b>Total</b>   | <b>31</b> |

**AMBIENT LIGHT**

|                            |           |
|----------------------------|-----------|
| Daylight                   | 15        |
| Dark - roadway not lighted | 12        |
| Dark - lighted roadway     | 2         |
| Dawn                       | 2         |
| <b>Total</b>               | <b>31</b> |

**LOCATION OF CRASHES**

|                 |           |
|-----------------|-----------|
| Not at junction | 25        |
| T-intersection  | 4         |
| Not reported    | 1         |
| Y-intersection  | 1         |
| <b>Total</b>    | <b>31</b> |

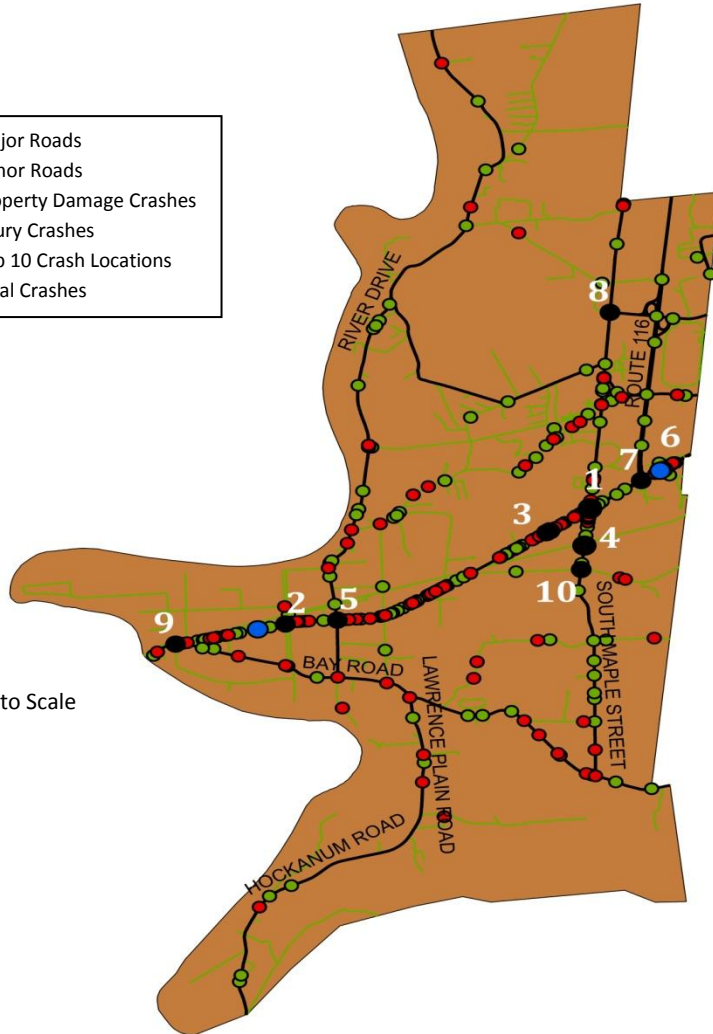
**ROADWAY CLASSIFICATION**

|  |           |
|--|-----------|
| Rural minor arterial or urban principal arterial | 13        |
| Local  | 6         |
| Urban minor arterial or rural major collector    | 5         |
| Unknown  | 5         |
| <b>Total</b>                                     | <b>31</b> |

# Pioneer Valley SafetyCompass

## HADLEY (2012 – 2014)

- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top 10 Crash Locations
- Fatal Crashes



Map not to Scale

| Year         | Total      | Manner of Collision |     | Severity                           |                       | Roadway                      |     |
|--------------|------------|---------------------|-----|------------------------------------|-----------------------|------------------------------|-----|
| 2012         | 290        | Angle               | 68  | Fatal                              | 1                     | Dry                          | 224 |
|              |            | Head On             | 5   | No injury                          | 213                   | Ice                          | 5   |
|              |            | Rear End            | 128 | Non-fatal injury – I <sup>\$</sup> | 6                     | Snow                         | 9   |
|              |            | Side Swipe          | 30  | Non-fatal injury – NC <sup>^</sup> | 54                    | Wet                          | 46  |
|              |            | Single Vehicle      | 54  | Non-fatal injury – P <sup>@</sup>  | 12                    | Slush                        | 2   |
|              |            | Not Reported        | 5   | Not reported                       | 4                     | Other                        | 4   |
| 2013         | 267        | Angle               | 61  | Fatal                              | 0                     | Dry                          | 214 |
|              |            | Head On             | 8   | No injury                          | 200                   | Ice                          | 3   |
|              |            | Rear End            | 105 | Non-fatal injury – I <sup>\$</sup> | 8                     | Snow                         | 8   |
|              |            | Side Swipe          | 37  | Non-fatal injury – NC <sup>^</sup> | 36                    | Wet                          | 36  |
|              |            | Single Vehicle      | 53  | Non-fatal injury – P <sup>@</sup>  | 18                    | Slush                        | 2   |
|              |            | Not Reported        | 3   | Not reported                       | 5                     | Other                        | 4   |
| 2014         | 263        | Angle               | 65  | Fatal                              | 1                     | Dry                          | 189 |
|              |            | Head On             | 9   | No injury                          | 216                   | Ice                          | 4   |
|              |            | Rear End            | 97  | Non-fatal injury – I <sup>\$</sup> | 8                     | Snow                         | 15  |
|              |            | Side Swipe          | 41  | Non-fatal injury – NC <sup>^</sup> | 21                    | Wet                          | 50  |
|              |            | Single Vehicle      | 48  | Non-fatal injury – P <sup>@</sup>  | 10                    | Sand                         | 4   |
|              |            | Not Reported        | 3   | Not reported                       | 7                     | Other                        | 1   |
| <b>Total</b> | <b>820</b> |                     |     | <sup>^</sup> Non Incapacitating    | <sup>@</sup> Possible | <sup>\$</sup> Incapacitating |     |

### TOWN

| Rank | Intersection/Location  | Crashes | EPDO* | Rank | Intersection/Location  | Crashes | EPDO* |
|------|--|---------|-------|------|--|---------|-------|
| 1    | Russell Street (Route 9), North Maple Street, and South Maple Street         | 53      | 89    | 6    | Russell Street, Greenleaves Drive, and Campus Plaza Parking Driveway | 14      | 35    |
| 2    | Russell Street (Route 9) and West Street                                     | 30      | 58    | 7    | Russell Street (Route 9) and Route 116                               | 17      | 29    |
| 3    | Russell Street in the vicinity of Mountain Farms Mall                        | 29      | 45    | 8    | North Maple Street, Roosevelt Street, and North Hadley Road          | 13      | 29    |
| 4    | South Maple Street in the vicinity of Hampshire Mall and Mountain Farms Mall | 17      | 41    | 9    | Russell Street (Route 9) and Aqua Vitae Road                         | 7       | 27    |
| 5    | Russell Street (Route 9) and Middle Street                                   | 19      | 39    | 10   | South Maple Street and Mill Valley Road                              | 13      | 25    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 820 crashes in the Town of Hadley within the calendar years of 2012 to 2014.
- Hadley reported 2 fatal crashes within this period.
- Almost 60% of the total crashes occurred along Route 9.
- The number of total crashes reduced each year within the analysis period.
- Approximately 40% of the total crashes were rear end collisions, followed by angle (24%), and single vehicle (19%) type crashes.
- Hadley experienced 9 non-motorist collisions within the analysis period all of them involved a Pedalcyclist\*.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 507        |
| Four-way intersection | 180        |
| T-intersection        | 106        |
| Driveway              | 8          |
| Y-intersection        | 6          |
| Off-ramp              | 5          |
| On-ramp               | 3          |
| Five-point or more    | 2          |
| Not reported          | 3          |
| <b>Total</b>          | <b>820</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Rural or urban principal arterial                | 444        |
| Urban minor arterial or rural major collector    | 179        |
| Unknown  | 90         |
| Rural minor arterial or urban principal arterial | 42         |
| Urban collector or rural minor collector         | 37         |
| Local  | 28         |
| <b>Total</b>                                     | <b>820</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |          |
|---------------|----------|
| Pedalcyclist* | 9        |
| <b>Total</b>  | <b>9</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

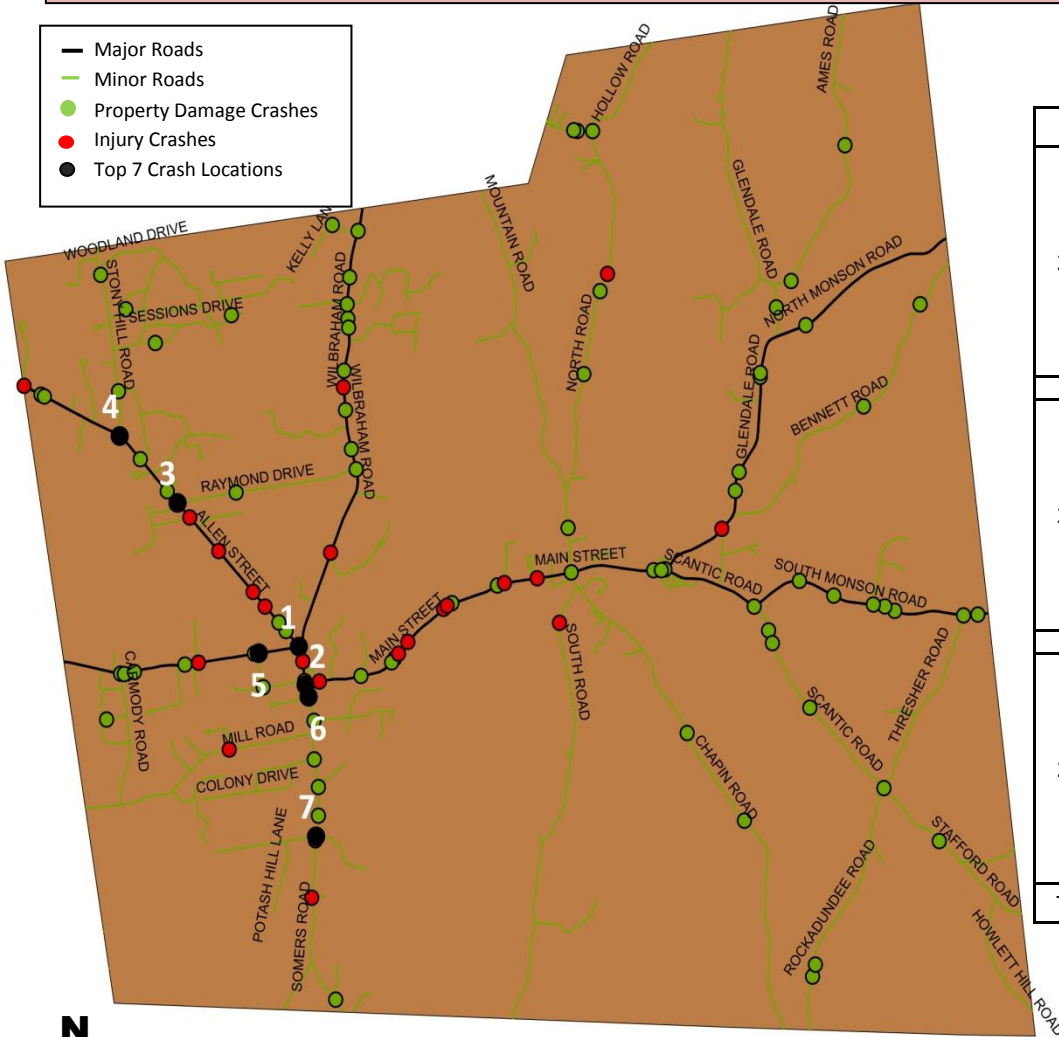
**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| Driving too fast for conditions or speeding                                      | 34         |
| Distracted, Emotional or Inattention   | 31         |
| No improper driving  | 29         |
| Unknown  | 15         |
| Fatigue, Illness or Physical Impairment  | 12         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 9          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 7          |
| Failed to yield right of way   | 5          |
| Failure to keep in proper lane or running off road                               | 3          |
| Over correcting or over steering   | 3          |
| Other improper action  | 2          |
| Wrong side of the road   | 2          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Operating defective equipment  | 1          |
| Glare or obstructed visibility   | 1          |
| <b>Total</b>   | <b>155</b> |

# Pioneer Valley SafetyCompass

## HAMPDEN (2012 – 2014)

- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top 7 Crash Locations



N



Map not to Scale

### TOWN CRASH PROFILE

| Year       | Total | Manner of Collision | Severity | Roadway   |    |       |    |
|------------|-------|---------------------|----------|---|----|-------|----|
| 2012       | 37    | Angle               | 4        | Fatal   | 0  | Dry   | 30 |
|            |       | Head On             | 1        | No injury   | 32 | Ice   | 0  |
|            |       | Rear End            | 4        | Non-fatal injury – I <sup>\$</sup>                | 0  | Snow  | 2  |
|            |       | Side Swipe          | 3        | Non-fatal injury – NC <sup>^</sup>                | 3  | Wet   | 4  |
|            |       | Single              | 25       | Non-fatal injury – P <sup>@</sup>                 | 2  | Sand  | 1  |
|            |       | Not                 | 0        | Not reported                                      | 0  | Other | 0  |
|            |       | 2013                | 68       | Angle   | 10 | Fatal | 0  |
| Head On    | 2     |                     |          | No injury   | 50 | Ice   | 2  |
| Rear End   | 1     |                     |          | Non-fatal injury – I <sup>\$</sup>                | 0  | Snow  | 5  |
| Side Swipe | 7     |                     |          | Non-fatal injury – NC <sup>^</sup>                | 7  | Wet   | 10 |
| Single     | 45    |                     |          | Non-fatal injury – P <sup>@</sup>                 | 8  | Sand  | 1  |
| Not        | 3     |                     |          | Not reported                                      | 3  | Other | 1  |
| 2014       | 59    |                     |          | Angle   | 8  | Fatal | 0  |
|            |       | Head On             | 1        | No injury   | 48 | Ice   | 1  |
|            |       | Rear End            | 9        | Non-fatal injury – I <sup>\$</sup>                | 2  | Snow  | 7  |
|            |       | Side Swipe          | 1        | Non-fatal injury – NC <sup>^</sup>                | 5  | Wet   | 8  |
|            |       | Single              | 39       | Non-fatal injury – P <sup>@</sup>                 | 4  | Sand  | 1  |
|            |       | Not                 | 1        | Not reported                                      | 0  | Other | 0  |
|            |       | Total               | 164      | ^ Non Incapacitating @ Possible \$ Incapacitating |    |       |    |

### TOP CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location   | Crashes | EPDO* | Rank  | Intersection/Location                   | Crashes | EPDO* |
|------|---|---------|-------|---|---|---------|-------|
| 1    | Allen Street, East Longmeadow Road, Somers Road, and Wilbraham Road | 10      | 18    | 5   | East Longmeadow Road and Cedar Oak Lane | 2       | 6     |
| 2    | Main Street, Somers Road, and Meadowbrook Lane                      | 7       | 11    | 6   | Somers Road and Spring Meadow Lane      | 2       | 6     |
| 3    | Allen Street and Raymond Drive                                      | 3       | 7     | 7   | Somers Road and Martin Farms Road       | 2       | 6     |
| 4    | Allen Street and Stony Hill Road                                    | 7       | 7     | All other locations have a single crash reported within the analysis period |   |         |       |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 164 crashes in the Town of Hampden within the calendar years of 2012 to 2014.
- A total of 4 non-motorized occurred in the Town within this period. These crashes did not result in a fatality or incapacitating injury.
- More than 66% of the total crashes were single vehicle type.
- There is a large increase in the number of crashes in 2013 and 2014, from the year 2012.
- Nearly 10% of the single vehicle crashes occurred because of distracted driving.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 127        |
| T-intersection        | 21         |
| Four-way intersection | 12         |
| Driveway              | 2          |
| Y-intersection        | 2          |
| <b>Total</b>          | <b>164</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |          |
|---------------|----------|
| Pedalcyclist* | 3        |
| Pedestrian    | 1        |
| <b>Total</b>  | <b>4</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 51         |
| Distracted, Emotional or Inattention   | 11         |
| Driving too fast for conditions or speeding                                      | 10         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 10         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 8          |
| Unknown  | 8          |
| Fatigue, Illness or Physical Impairment  | 5          |
| Failure to keep in proper lane or running off road                               | 4          |
| Other improper action  | 1          |
| Glare or obstructed visibility   | 1          |
| <b>Total</b>   | <b>109</b> |

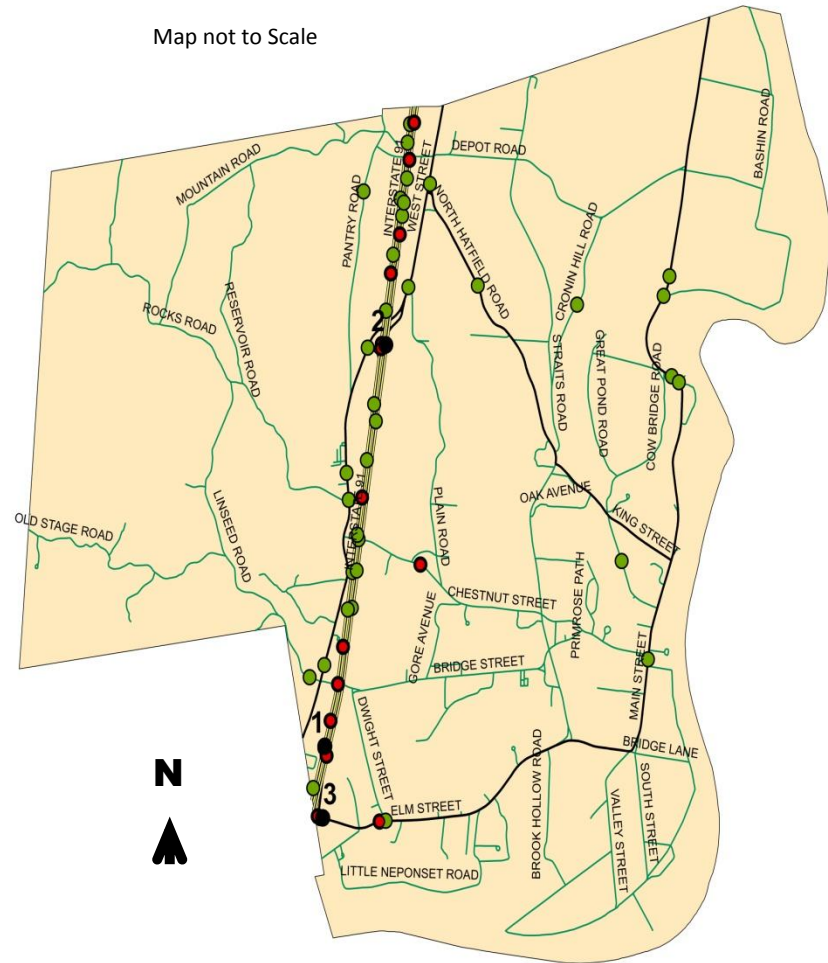
**ROADWAY CLASSIFICATION**

|   |            |
|---|------------|
| Urban minor arterial or rural major collector | 93         |
| Local   | 34         |
| Unknown                                       | 19         |
| Urban collector or rural minor collector      | 18         |
| <b>Total</b>                                  | <b>164</b> |

# Pioneer Valley SafetyCompass

## HATFIELD (2012 – 2014)

Map not to Scale



### TOWN CRASH PROFILE

|       | Total | Manner of Collision  |    | Severity                           |    | Roadway |    | Weather |    |
|-------|-------|--|----|------------------------------------|----|---------|----|---------|----|
| 2012  | 29    | Angle  | 0  | Fatal Injury                       | 0  | Dry     | 22 | Clear   | 17 |
|       |       | Head On  | 0  | No injury                          | 2  | Ice     | 2  | Cloudy  | 1  |
|       |       | Rear End   | 4  | Non-fatal injury - I <sup>S</sup>  | 0  | Snow    | 2  | Snow    | 2  |
|       |       | Side Swipe   | 2  | Non-fatal injury - NC <sup>^</sup> | 2  | Wet     | 2  | Rain    | 1  |
|       |       | Single Vehicle   | 23 | Non-fatal Injury - P <sup>@</sup>  | 4  | Sand    | 0  | NR*     | 5  |
|       |       | Not Reported   | 0  | Not Reported                       | 1  | Other   | 1  | Other   | 3  |
|       |       |  |    |                                    |    |         |    |         |    |
| 2013  | 25    | Angle  | 0  | Fatal Injury                       | 0  | Dry     | 13 | Clear   | 9  |
|       |       | Head On  | 0  | No injury                          | 19 | Ice     | 3  | Cloudy  | 8  |
|       |       | Rear End   | 6  | Non-fatal injury - I <sup>S</sup>  | 0  | Sand    | 4  | NR*     | 3  |
|       |       | Side Swipe   | 4  | Non-fatal injury - NC <sup>^</sup> | 1  | Wet     | 4  | Snow    | 3  |
|       |       | Single Vehicle   | 15 | Non-fatal Injury - P <sup>@</sup>  | 3  | Snow    | 0  | Sleet   | 2  |
|       |       | Not Reported   | 0  | Not Reported                       | 2  | Other   | 1  |         |    |
|       |       |  |    |                                    |    |         |    |         |    |
| 2014  | 23    | Angle  | 1  | Fatal Injury                       | 0  | Dry     | 17 | Clear   | 14 |
|       |       | Head On  | 0  | No injury                          | 16 | Ice     | 0  | Cloudy  | 2  |
|       |       | Rear End   | 3  | Non-fatal injury - I <sup>S</sup>  | 2  | Sand    | 0  | NR*     | 1  |
|       |       | Side Swipe   | 1  | Non-fatal injury - NC <sup>^</sup> | 2  | Snow    | 4  | Rain    | 0  |
|       |       | Single Vehicle   | 17 | Non-fatal Injury - P <sup>@</sup>  | 3  | Wet     | 0  | Snow    | 5  |
|       |       | Not Reported   | 1  | Not Reported                       | 0  | Other   | 2  | Sleet   | 1  |
|       |       |  |    |                                    |    |         |    |         |    |
| Total | 77    | ^ Non Incapacitating @ Possible \$ Incapacitating * Not Reported |    |                                    |    |         |    |         |    |

### TOP CRASH LOCATIONS IN TOWN:

1. Interstate I-91 southbound in the vicinity of Exit 21 (Total Crashes – 6, EPDO\* - 14)
2. Interstate I-91 northbound in the vicinity of Exit 22 (Total Crashes – 5, EPDO\* - 9)
3. The Intersection of the interstate I-91 Exit 21 ramps and Elm Street (Total Crashes – 2, EPDO\* - 6)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)



**KEY FINDINGS:**

- The Town of Hatfield experienced a total of 77 crashes within the calendar years of 2012 to 2014.
- An overwhelming majority of these crashes (60 out of 77) occurred along Interstate I-91 and its ramps.
- More than 70% of the crashes were single vehicle type.
- Driving too fast for conditions or speeding was reported as a contributing factor for 20% of the single vehicle crashes.
- In 2013 a crash was reported between a motor vehicle and a wheelchair, however, this incident did not lead to any injuries.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with motor vehicle in traffic | 22        |
| Collision with animal                   | 13        |
| Collision with guardrail                | 8         |
| Collision with utility pole             | 6         |
| Collision with ditch                    | 5         |
| Overturn/rollover                       | 5         |
| Collision with other                    | 4         |
| Collision with tree                     | 4         |
| Collision with embankment               | 2         |
| Collision with bridge                   | 1         |
| Collision with curb                     | 1         |
| Collision with median barrier           | 1         |
| Collision with other movable object     | 1         |
| Collision with parked motor vehicle     | 1         |
| Unknown                                 | 3         |
| <b>Total</b>                            | <b>77</b> |

**ROADWAY CLASSIFICATION**

|   |           |
|---|-----------|
| Interstate                                    | 54        |
| Urban minor arterial or rural major collector | 16        |
| Local   | 6         |
| Unknown                                       | 1         |
| <b>Total</b>                                  | <b>77</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |           |
|--|-----------|
| No improper driving  | 18        |
| Driving too fast for conditions or speeding                                      | 11        |
| Failure to keep in proper lane or running off road                               | 7         |
| Fatigue, Illness or Physical Impairment  | 5         |
| Distracted, Emotional or Inattention   | 3         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 3         |
| Unknown  | 3         |
| Made an improper turn  | 2         |
| Followed too closely   | 1         |
| Other improper action  | 1         |
| Over correcting or over steering   | 1         |
| <b>Total</b>   | <b>55</b> |

**LOCATION OF CRASHES**

|                 |           |
|-----------------|-----------|
| Not at junction | 67        |
| T-intersection  | 4         |
| On-ramp         | 3         |
| Off-ramp        | 2         |
| Driveway        | 1         |
| <b>Total</b>    | <b>77</b> |

**AMBIENT LIGHT**

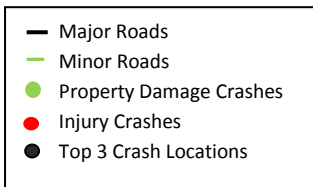
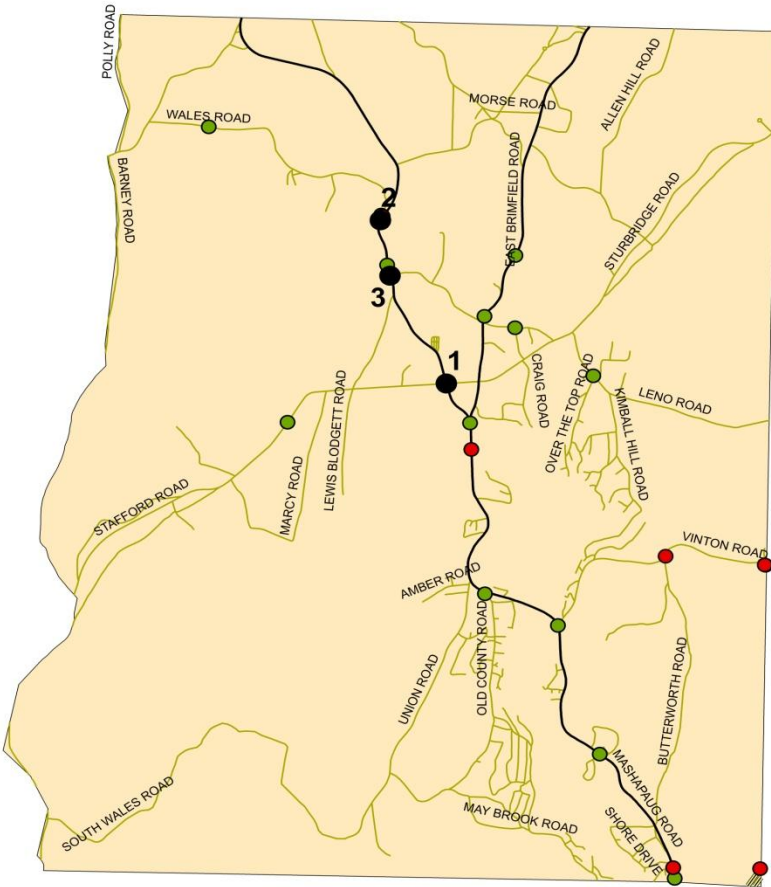
|                            |           |
|----------------------------|-----------|
| Daylight                   | 40        |
| Dark - roadway not lighted | 28        |
| Dark - lighted roadway     | 4         |
| Dusk                       | 4         |
| Dawn                       | 1         |
| <b>Total</b>               | <b>77</b> |

# Pioneer Valley SafetyCompass

## HOLLAND (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity   | Roadway | Weather  |
|-------|-------|---------------------|--|---------|----------|
| 2012  | 9     | Angle               | 1 No injury  | 5 Dry   | 5 Clear  |
|       |       | Side Swipe          | 2 Non-fatal injury - NC^   | 1 Ice   | 1 Cloudy |
|       |       | Single Vehicle      | 6 Non-fatal Injury - P@  | 0 Snow  | 1 Rain   |
|       |       |                     | 3 Not Reported   | 2 Wet   | 1 Other  |
|       |       |                     |  |         | 1 NR*    |
| 2013  | 10    | Angle               | 3 No injury  | 6 Dry   | 9 Clear  |
|       |       | Head On             | 1 Non-fatal injury - NC^   | 1 Wet   | 1        |
|       |       | Rear End            | 0 Non-fatal Injury - P@  | 3       |          |
|       |       | Side Swipe          | 2 Not Reported   | 0       |          |
|       |       | Single Vehicle      | 4  |         |          |
| 2014  | 9     | Angle               | 1 No injury  | 4 Dry   | 5 Clear  |
|       |       | Side Swipe          | 1 Non-fatal injury - NC^   | 3 Ice   | 2 Cloudy |
|       |       | Single Vehicle      | 7 Non-fatal Injury - P@  | 2 Wet   | 2 Rain   |
|       |       |                     | 0 Not Reported   |         | 0 Other  |
|       |       |                     |  |         | 1 NR*    |
| Total | 28    |                     | ^ Non Incapacitating @ Possible \$ Incapacitating * Not Reported |         |          |



Map not to Scale

### TOP CRASH LOCATIONS IN TOWN:

1. The Intersection of Brimfield Road, Mashapaug Road, Stafford P, and Sturbridge Road  
(Total Crashes – 4, EPDO\* - 12)
2. The Intersection of Brimfield Road and Wales Road  
(Total Crashes – 3, EPDO\* - 7)
3. The Intersection of Brimfield Road and Dug Hill Road  
(Total Crashes – 2, EPDO\* - 6)

**KEY FINDINGS:**

- The Town of Holland experienced a total of 28 crashes within the calendar years of 2012 to 2014.
- Nearly 60% of the crashes were single vehicle type.
- Half of the total crashes occurred during the hours of darkness.
- Collisions of motor vehicles with trees, deer, and utility poles resulted in 11 crashes.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with motor vehicle in traffic | 12        |
| Collision with tree                     | 5         |
| Collision with animal - deer            | 4         |
| Collision with utility pole             | 2         |
| Collision with curb                     | 1         |
| Collision with ditch                    | 1         |
| Collision with embankment               | 1         |
| Collision with guardrail                | 1         |
| Overturn/rollover                       | 1         |
| <b>Total</b>                            | <b>28</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| No improper driving  | 6         |
| Unknown  | 4         |
| Failed to yield right of way   | 3         |
| Failure to keep in proper lane or running off road                       | 3         |
| Disregarded traffic signs, signals, road markings                        | 2         |
| Driving too fast for conditions or speeding                              | 2         |
| Fatigue, Illness or Physical Impairment                                  | 2         |
| Distracted or Inattention  | 1         |
| Other improper action  | 1         |
| Over correcting or over steering   | 1         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc | 1         |
| Glare or obstructed visibility   | 1         |
| Wrong side of the road   | 1         |
| <b>Total</b>   | <b>28</b> |

**AMBIENT LIGHT**

|                                 |           |
|---------------------------------|-----------|
| Dark - roadway not lighted      | 10        |
| Daylight                        | 10        |
| Dark - lighted roadway          | 3         |
| Dawn                            | 3         |
| Dark - unknown roadway lighting | 1         |
| Dusk                            | 1         |
| <b>Total</b>                    | <b>28</b> |

**LOCATION OF CRASHES**

|                       |           |
|-----------------------|-----------|
| Not at junction       | 17        |
| T-intersection        | 5         |
| Four-way intersection | 4         |
| Y-intersection        | 2         |
| <b>Total</b>          | <b>28</b> |

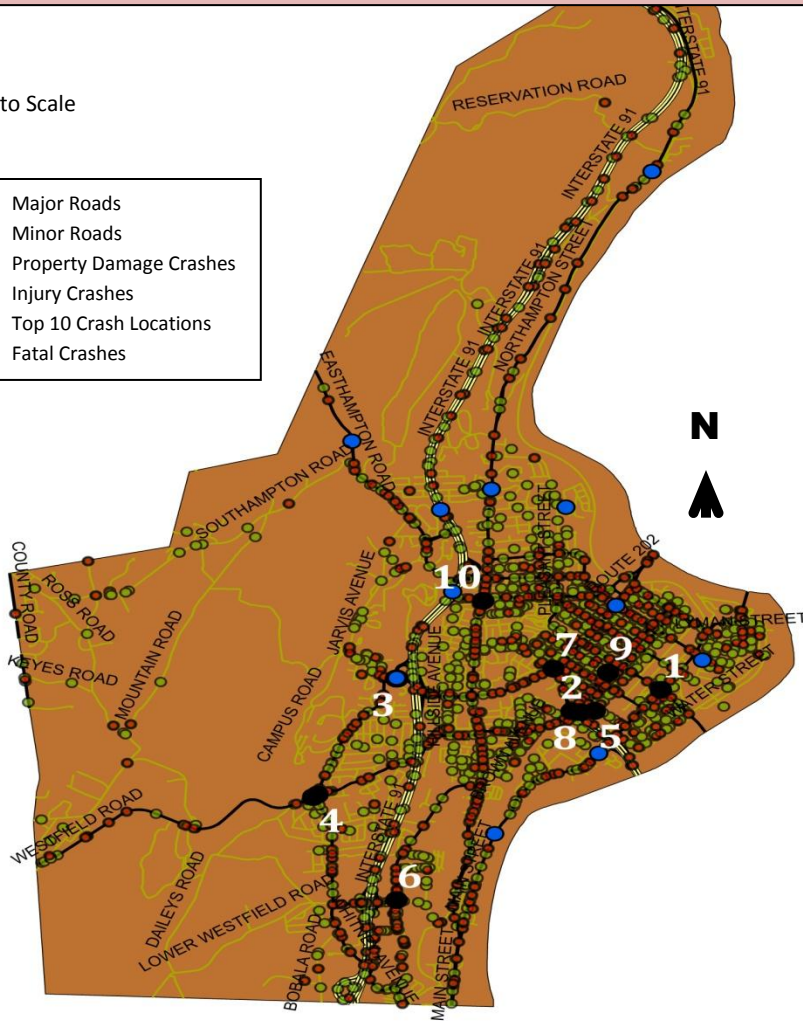
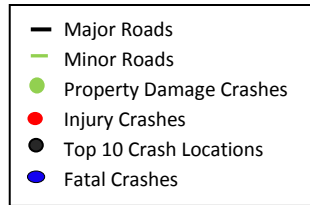
**ROADWAY CLASSIFICATION**

|   |           |
|---|-----------|
| Urban minor arterial or rural major collector | 16        |
| Local   | 7         |
| Unknown                                       | 4         |
| Urban collector or rural minor collector      | 1         |
| <b>Total</b>                                  | <b>28</b> |

# Pioneer Valley SafetyCompass

## HOLYOKE (2012 – 2014)

Map not to Scale



### CITY CRASH PROFILE

| Year           | Total | Manner of Collision | Severity | Roadway  |      |       |      |
|----------------|-------|---------------------|----------|--|------|-------|------|
| 2012           | 1636  | Angle               | 578      | Fatal  | 2    | Dry   | 1263 |
|                |       | Head On             | 46       | No injury  | 997  | Ice   | 15   |
|                |       | Rear End            | 439      | Non-fatal injury – I <sup>§</sup>                | 23   | Snow  | 59   |
|                |       | Side Swipe          | 244      | Non-fatal injury – NC <sup>^</sup>               | 128  | Wet   | 269  |
|                |       | Single Vehicle      | 258      | Non-fatal injury – P <sup>@</sup>                | 250  | Slush | 7    |
|                |       | Not Reported        | 71       | Not reported                                     | 236  | Other | 23   |
|                |       | 2013                | 1673     | Angle  | 630  | Fatal | 5    |
| Head On        | 50    |                     |          | No injury  | 1055 | Ice   | 50   |
| Rear End       | 449   |                     |          | Non-fatal injury – I <sup>§</sup>                | 27   | Snow  | 96   |
| Side Swipe     | 242   |                     |          | Non-fatal injury – NC <sup>^</sup>               | 99   | Wet   | 271  |
| Single Vehicle | 261   |                     |          | Non-fatal injury – P <sup>@</sup>                | 270  | Slush | 5    |
| Not Reported   | 41    |                     |          | Not reported                                     | 217  | Other | 10   |
| 2014           | 1707  |                     |          | Angle  | 606  | Fatal | 4    |
|                |       | Head On             | 51       | No injury  | 1111 | Ice   | 76   |
|                |       | Rear End            | 498      | Non-fatal injury – I <sup>§</sup>                | 27   | Snow  | 94   |
|                |       | Side Swipe          | 249      | Non-fatal injury – NC <sup>^</sup>               | 91   | Wet   | 301  |
|                |       | Single Vehicle      | 259      | Non-fatal injury – P <sup>@</sup>                | 273  | Slush | 5    |
|                |       | Not Reported        | 44       | Not reported                                     | 201  | Other | 9    |
|                |       | Total               | 5016     | ^ Non Incapacitating @ Possible § Incapacitating |      |       |      |

### TOP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location  | Crashes | EPDO* |
|------|---|---------|-------|------|--|---------|-------|
| 1    | Cabot Street and Main Street  | 57      | 129   | 6    | Holyoke Street, Lower Westfield Road, and Whiting Farms Road | 46      | 94    |
| 2    | Maple Street and Resnic Boulevard                                     | 46      | 106   | 7    | Beech Street, Resnic Boulevard, and West Franklin Street     | 58      | 94    |
| 3    | Interstate I-91 Exit 16 off ramp, Cherry Street, and Fair View Street | 40      | 101   | 8    | Interstate 391 off ramp, High Street, and Resnic Boulevard   | 40      | 92    |
| 4    | Westfield Road and Homestead Avenue                                   | 52      | 100   | 9    | Maple Street and Hampshire Street                            | 33      | 89    |
| 5    | Jackson Street and Commercial Street                                  | 32      | 96    | 10   | Easthampton Road, Northampton Street, and Dwight Street      | 52      | 88    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 5,016 crashes in the City of Holyoke within the calendar years of 2012 to 2014.
- The total number of reported crashes was observed to be increasing every year within the analysis period.
- A total of 11 fatal crashes occurred in the City within this period. Over 36% of all crashes resulted in an injury.
- Approximately 36% of the total crashes were angle type, followed by rear end (28%), and single vehicle (15%) type crashes.
- Holyoke experienced 141 non-motorist collisions within the analysis period which resulted in 18 incapacitating injuries.
- Approximately 9% of the total crashes occurred along Interstates I-91 or I-391.
- Approximately 24% of all the total crashes occurred at a four-way intersection.

**LOCATION OF CRASHES**

|                        |             |
|------------------------|-------------|
| Not at junction        | 2629        |
| Four-way intersection  | 1207        |
| T-intersection         | 738         |
| Off-ramp               | 101         |
| Y-intersection         | 88          |
| Driveway               | 81          |
| On-ramp                | 73          |
| Unknown                | 71          |
| Traffic circle         | 14          |
| Not reported           | 10          |
| Five-point or more     | 3           |
| Railway grade crossing | 1           |
| <b>Total</b>           | <b>5016</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Urban minor arterial or rural major collector    | 1511        |
| Rural minor arterial or urban principal arterial | 1502        |
| Local  | 894         |
| Interstate                                       | 451         |
| Urban collector or rural minor collector         | 379         |
| Unknown  | 279         |
| <b>Total</b>                                     | <b>5016</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |            |
|---------------|------------|
| Pedestrian    | 81         |
| Pedalcyclist* | 51         |
| Other         | 9          |
| <b>Total</b>  | <b>141</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

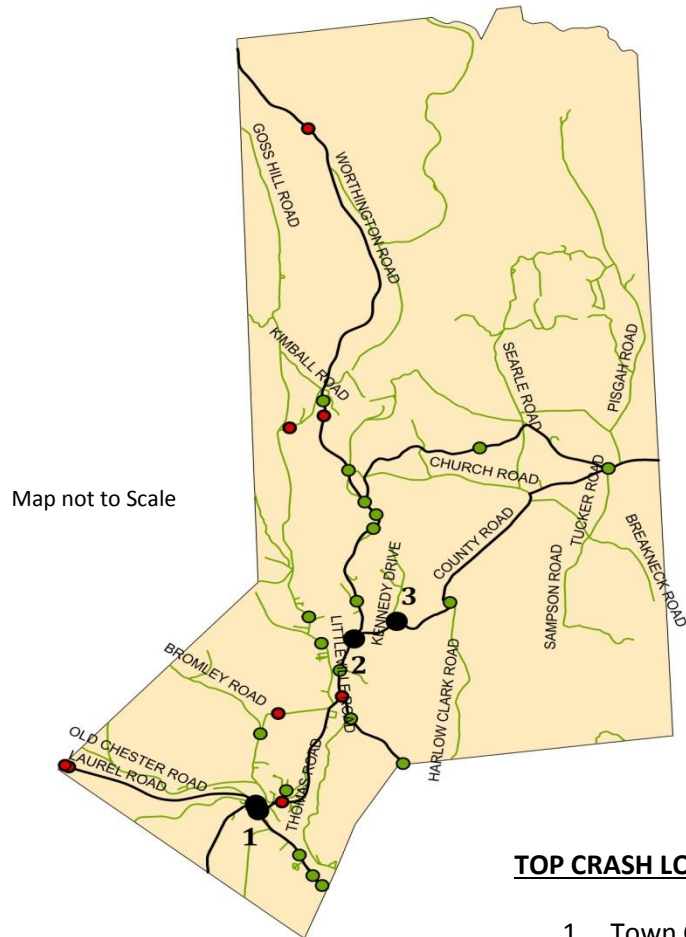
**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 229        |
| Unknown  | 153        |
| Driving too fast for conditions or speeding                                      | 84         |
| Distracted, Emotional or Inattention   | 71         |
| Failure to keep in proper lane or running off road                               | 60         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 44         |
| Fatigue, Illness or Physical Impairment  | 34         |
| Over correcting or over steering   | 28         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 23         |
| Disregarded traffic signs, signals, road markings                                | 14         |
| Failed to yield right of way   | 9          |
| Operating defective equipment  | 9          |
| Other improper action  | 8          |
| Made an improper turn  | 5          |
| Glare or obstructed visibility   | 5          |
| Followed too closely   | 2          |
| <b>Total</b>   | <b>778</b> |

# Pioneer Valley SafetyCompass

## HUNTINGTON (2012 – 2014)

### TOWN CRASH PROFILE



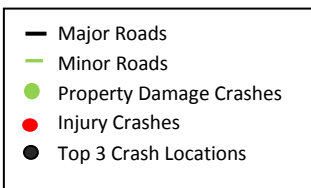
| Year  | Total | Manner of Collision | Severity | Roadway Condition                  | Weather Condition |      |    |        |    |
|-------|-------|---------------------|----------|------------------------------------|-------------------|------|----|--------|----|
| 2012  | 21    | Angle               | 1        | No injury                          | 12                | Dry  | 13 | Clear  | 10 |
|       |       | Rear-end            | 3        | Non-fatal injury – NC <sup>^</sup> | 4                 | Ice  | 3  | Cloudy | 4  |
|       |       | Sideswipe           | 4        | Non-fatal injury – P <sup>@</sup>  | 2                 | Snow | 4  | NR*    | 5  |
|       |       | Single Vehicle      | 13       | Not reported                       | 3                 | Wet  | 1  | Rain   | 1  |
|       |       |                     |          |                                    |                   |      |    | Snow   | 1  |
| 2013  | 14    | Head-on             | 2        | No injury                          | 11                | Dry  | 5  | Clear  | 5  |
|       |       | Sideswipe           | 2        | Non-fatal injury – I <sup>\$</sup> | 2                 | Ice  | 3  | Cloudy | 1  |
|       |       | Single Vehicle      | 10       | Non-fatal injury - P <sup>@</sup>  | 1                 | Sand | 1  | NR*    | 3  |
|       |       |                     |          |                                    |                   | Wet  | 5  | Rain   | 3  |
|       |       |                     |          |                                    |                   |      |    | Snow   | 2  |
| 2014  | 12    | Angle               | 1        | No injury                          | 4                 | Dry  | 4  | Clear  | 5  |
|       |       | Rear-end            | 1        | Non-fatal injury - NC <sup>^</sup> | 2                 | Ice  | 3  | Cloudy | 1  |
|       |       | Single Vehicle      | 10       | Non-fatal injury - P <sup>@</sup>  | 3                 | Sand | 1  | Other  | 1  |
|       |       |                     |          | Not reported                       | 3                 | Snow | 1  | Rain   | 3  |
|       |       |                     |          |                                    |                   | Wet  | 3  | Snow   | 2  |
| Total | 47    |                     |          |                                    |                   |      |    |        |    |

<sup>^</sup> Non Incapacitating    <sup>@</sup> Possible    <sup>\$</sup> Incapacitating    \* Not Reported

### TOP CRASH LOCATIONS IN TOWN:

1. Town Center - The area in the vicinity of Town Hall and intersection of Russell Road (Route 20) and Federal Street (Total Crashes – 5, EPDO\* - 17)
2. The Intersection of E. Main Street (Route 112) and County Road (Total Crashes – 4, EPDO\* - 12)
3. The Intersection of County Road and Kennedy Drive (Total Crashes – 3, EPDO\* - 6)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)



**KEY FINDINGS:**

- The Town of Huntington experienced a total of 47 crashes within the calendar years of 2012 to 2014.
- An overwhelming 70% or 33 of those crashes were single vehicle crashes scattered along different roadways throughout the town.
- The total number of crashes has decreased within the 3 years of analysis period.
- More than half of crashes (54%, or 18 crashes) occurred during the hours of darkness.
- Nearly 40% of all single vehicle crashes were a result of excessive travel speed.
- Two Crashes involved a School Bus.
- No crashes were reported to be Hit and Run Crashes.
- Not a single non-motorist crash was reported in the Town within the analysis period.

**FIRST HARMFUL EVENT SUMMARY**

| First Harmful Event                                   | Total |
|---|-------|
| Collision with motor vehicle in traffic               | 17    |
| Collision with embankment                             | 8     |
| Collision with guardrail                              | 6     |
| Collision with other                                  | 4     |
| Collision with ditch                                  | 2     |
| Collision with other light pole or other post/support | 2     |
| Collision with parked motor vehicle                   | 2     |
| Collision with utility pole                           | 2     |
| Collision with animal - other                         | 1     |
| Collision with bridge                                 | 1     |
| Not reported  | 1     |
| Overturn/rollover                                     | 1     |

**LOCATION OF CRASHES**

|                 |           |
|-----------------|-----------|
| Not at junction | 40        |
| T-intersection  | 3         |
| Driveway        | 2         |
| Y-intersection  | 2         |
| <b>Total</b>    | <b>47</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

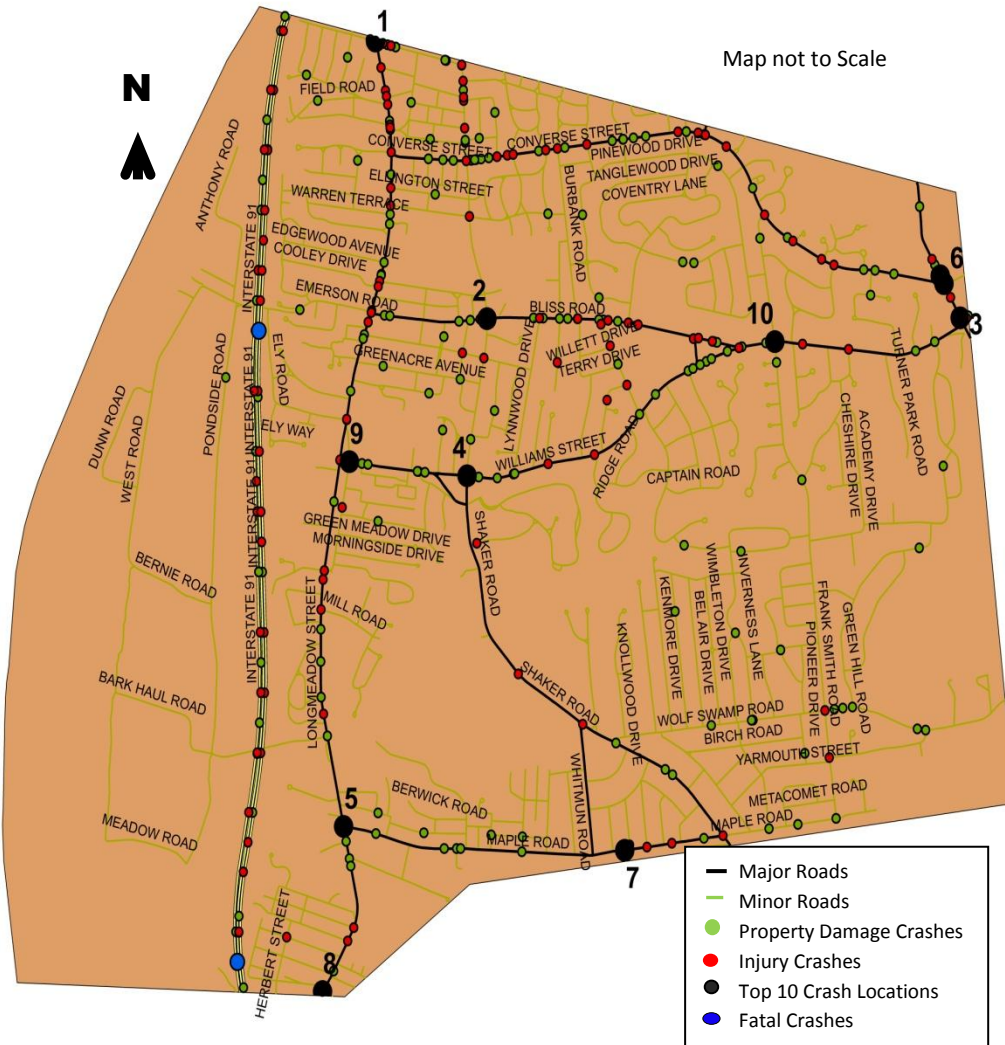
| Diver Action   | Total | %      |
|--|-------|--------|
| Exceeding speed limit / Driving too fast                     | 13    | 39.39% |
| Failure to keep in proper lane / Running off road            | 4     | 12.12% |
| Fatigued / Falling asleep                                    | 1     | 3.03%  |
| Inattention / Distracted                                     | 1     | 3.03%  |
| Physical Impairment  | 1     | 3.03%  |
| Swerving due to wind, slippery surface, vehicle, object, etc | 1     | 3.03%  |
| No improper driving  | 8     | 24.24% |
| Not Reported / Other   | 4     | 12.12% |

**ROADWAY CLASSIFICATION**

| Federal Functional Classification of | Total |
|--------------------------------------|-------|
| Local                                | 8     |
| Major Collector                      | 9     |
| Minor Arterial                       | 19    |
| Minor Collector                      | 3     |
| Not Reported                         | 8     |

# Pioneer Valley SafetyCompass

## LONGMEADOW (2012 – 2014)



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity | Roadway  |     |       |     |
|-------|-------|---------------------|----------|--|-----|-------|-----|
| 2012  | 216   | Angle               | 52       | Fatal  | 0   | Dry   | 175 |
|       |       | Head On             | 5        | No injury  | 140 | Ice   | 0   |
|       |       | Rear End            | 97       | Non-fatal injury – I <sup>§</sup>                | 4   | Snow  | 8   |
|       |       | Side Swipe          | 15       | Non-fatal injury – NC <sup>^</sup>               | 29  | Wet   | 32  |
|       |       | Single Vehicle      | 41       | Non-fatal injury – P <sup>@</sup>                | 38  | Slush | 0   |
|       |       | Not Reported        | 6        | Not reported                                     | 5   | Other | 1   |
| 2013  | 224   | Angle               | 51       | Fatal  | 2   | Dry   | 163 |
|       |       | Head On             | 5        | No injury  | 161 | Ice   | 7   |
|       |       | Rear End            | 80       | Non-fatal injury – I <sup>§</sup>                | 8   | Snow  | 22  |
|       |       | Side Swipe          | 24       | Non-fatal injury – NC <sup>^</sup>               | 22  | Wet   | 29  |
|       |       | Single Vehicle      | 63       | Non-fatal injury – P <sup>@</sup>                | 29  | Slush | 3   |
|       |       | Not Reported        | 1        | Not reported                                     | 2   | Other | 0   |
| 2014  | 187   | Angle               | 52       | Fatal  | 0   | Dry   | 130 |
|       |       | Head On             | 6        | No injury  | 129 | Ice   | 5   |
|       |       | Rear End            | 65       | Non-fatal injury – I <sup>§</sup>                | 6   | Snow  | 15  |
|       |       | Side Swipe          | 18       | Non-fatal injury – NC <sup>^</sup>               | 16  | Wet   | 32  |
|       |       | Single Vehicle      | 45       | Non-fatal injury – P <sup>@</sup>                | 29  | Sand  | 0   |
|       |       | Not Reported        | 1        | Not reported                                     | 7   | Other | 5   |
| Total | 627   |                     |          | ^ Non Incapacitating @ Possible § Incapacitating |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location                                 | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | Columbus Avenue, Longmeadow Street, Forest Glen Road, and Western Drive | 16      | 44    | 6    | Converse Street and Dwight Road                       | 9       | 21    |
| 2    | Bliss Road and Laurel Street  | 12      | 32    | 7    | Maple Road and George Washington Road                 | 4       | 20    |
| 3    | Benton Drive, Dwight Road, Maple Street, and Williams Street            | 17      | 29    | 8    | Longmeadow Street and Booth Street                    | 8       | 20    |
| 4    | Laurel Street and Williams Street                                       | 11      | 27    | 9    | Longmeadow Street and Williams Street                 | 10      | 18    |
| 5    | Longmeadow Street (Route 5) and Maple Road                              | 11      | 27    | 10   | Williams Street, Frank Smith Road, and Red Fern Drive | 6       | 18    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)



**KEY FINDINGS:**

- There were a total of 627 crashes in the Town of Longmeadow within the calendar years of 2012 to 2014.
- Almost 30% of all the crashes in the Town occurred along Interstate I-91.
- A total of 2 fatal crashes occurred in the year 2013, both along Interstate I-91.
- Around 38% of the total crashes were rear end type, followed by angle (25%), and single vehicle (24%) type crashes.
- Longmeadow experienced 10 non-motorist collisions within the analysis period which resulted in 1 pedestrian fatality and 1 incapacitating injury in the year 2013.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 382        |
| T-intersection        | 115        |
| Four-way intersection | 103        |
| Y-intersection        | 9          |
| Driveway              | 8          |
| Not reported          | 4          |
| Unknown               | 4          |
| Off-ramp              | 1          |
| On-ramp               | 1          |
| <b>Total</b>          | <b>627</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 6         |
| Pedalcyclist* | 4         |
| <b>Total</b>  | <b>10</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

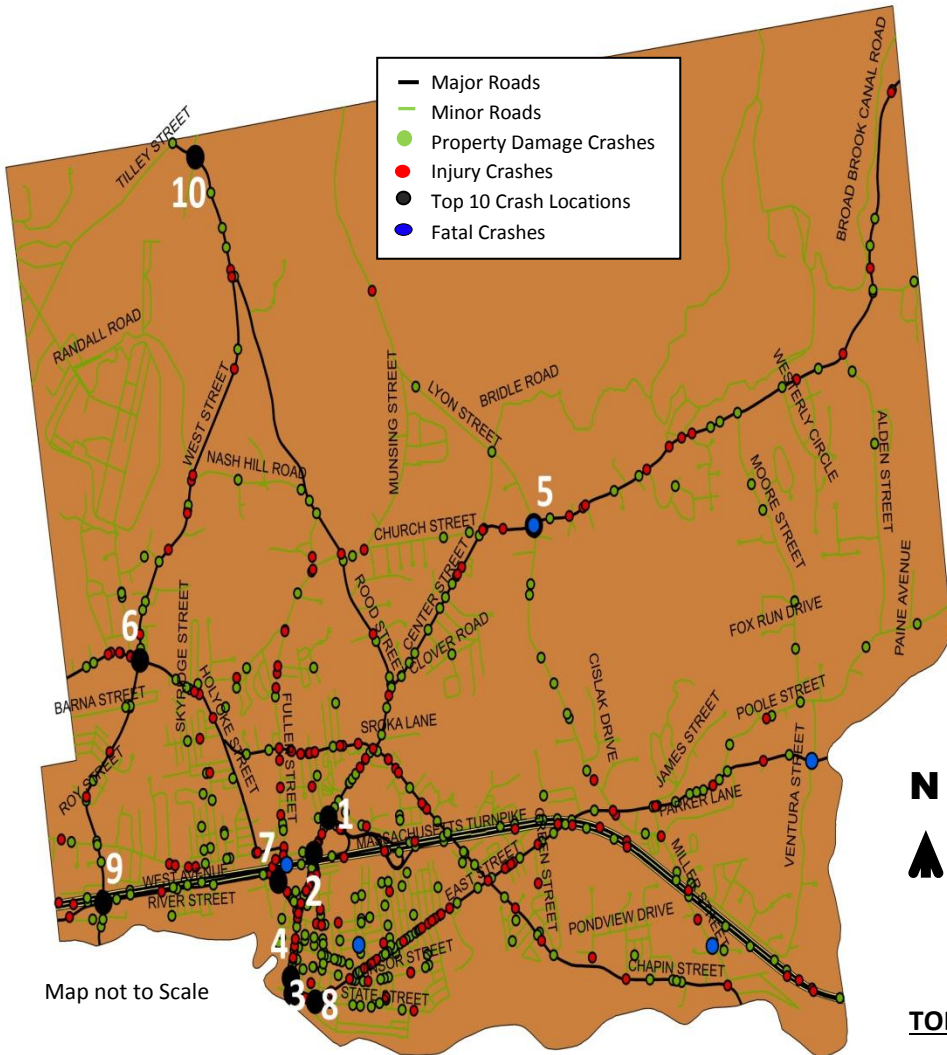
|  |            |
|--|------------|
| No improper driving  | 60         |
| Driving too fast for conditions or speeding                                      | 24         |
| Unknown  | 15         |
| Distracted, Emotional or Inattention   | 13         |
| Fatigue, Illness or Physical Impairment  | 11         |
| Failure to keep in proper lane or running off road                               | 8          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 6          |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 3          |
| Over correcting or over steering   | 3          |
| Failed to yield right of way   | 1          |
| Followed too closely   | 1          |
| Made an improper turn  | 1          |
| Operating defective equipment  | 1          |
| Other improper action  | 1          |
| Glare or obstructed visibility   | 1          |
| <b>Total</b>   | <b>149</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Urban minor arterial or rural major collector    | 213        |
| Interstate                                       | 181        |
| Rural minor arterial or urban principal arterial | 103        |
| Local  | 64         |
| Urban collector or rural minor collector         | 49         |
| Unknown  | 17         |
| <b>Total</b>                                     | <b>627</b> |

# Pioneer Valley SafetyCompass

## LUDLOW (2012 – 2014)



### TOWN CRASH PROFILE

| Year           | Total | Manner of Collision                               | Severity | Roadway                            |     |       |     |
|----------------|-------|---|----------|------------------------------------|-----|-------|-----|
| 2012           | 448   | Angle   | 145      | Fatal                              | 2   | Dry   | 280 |
|                |       | Head On   | 12       | No injury                          | 316 | Ice   | 7   |
|                |       | Rear End  | 124      | Non-fatal injury – I <sup>\$</sup> | 6   | Snow  | 21  |
|                |       | Side Swipe  | 45       | Non-fatal injury – NC <sup>^</sup> | 29  | Wet   | 61  |
|                |       | Single Vehicle                                    | 117      | Non-fatal injury – P <sup>@</sup>  | 67  | Slush | 1   |
|                |       | Not Reported                                      | 5        | Not reported                       | 28  | Other | 78  |
|                |       | 2013  | 409      | Angle                              | 111 | Fatal | 2   |
| Head On        | 12    |   |          | No injury                          | 294 | Ice   | 5   |
| Rear End       | 132   |   |          | Non-fatal injury – I <sup>\$</sup> | 7   | Snow  | 18  |
| Side Swipe     | 41    |   |          | Non-fatal injury – NC <sup>^</sup> | 25  | Wet   | 42  |
| Single Vehicle | 105   |   |          | Non-fatal injury – P <sup>@</sup>  | 60  | Slush | 1   |
| Not Reported   | 8     |   |          | Not reported                       | 21  | Other | 112 |
| 2014           | 395   | Angle   | 102      | Fatal                              | 1   | Dry   | 221 |
|                |       | Head On   | 19       | No injury                          | 260 | Ice   | 5   |
|                |       | Rear End  | 118      | Non-fatal injury – I <sup>\$</sup> | 8   | Snow  | 20  |
|                |       | Side Swipe  | 37       | Non-fatal injury – NC <sup>^</sup> | 33  | Wet   | 53  |
|                |       | Single Vehicle                                    | 109      | Non-fatal injury – P <sup>@</sup>  | 62  | Sand  | 2   |
|                |       | Not Reported                                      | 10       | Not reported                       | 31  | Other | 94  |
| Total          | 1252  | ^ Non Incapacitating @ Possible \$ Incapacitating |          |                                    |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location  | Crashes | EPDO* | Rank | Intersection/Location                        | Crashes | EPDO* |
|------|--|---------|-------|------|--|---------|-------|
| 1    | Center Street, Harding Avenue, and Interstate I-90 Exit 7 Ramp | 54      | 98    | 6    | Holyoke Street and West Street               | 30      | 46    |
| 2    | Center Street (Route 21) and Cherry Street                     | 43      | 83    | 7    | West Avenue and Stebbins Street              | 21      | 45    |
| 3    | Center Street (Route 21), Ludlow Avenue, and East Street       | 31      | 63    | 8    | East Street and Sewall Street                | 17      | 45    |
| 4    | Center Street (Route 21) and Park Terrace                      | 24      | 60    | 9    | Russell Street, West Street, and West Avenue | 18      | 42    |
| 5    | Center Street, Lyon Street, and Miller Street                  | 18      | 47    | 10   | West Street and Old West Street              | 12      | 40    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 1,252 crashes in the Town of Ludlow within the calendar years of 2012 to 2014.
- The total number of reported crashes was observed to be decreasing every year within the analysis period.
- A total of 5 fatal crashes occurred in the Town within this period.
- Around 30% of the total crashes were rear end type, followed by angle (29%), and single vehicle (26%) type crashes.
- Ludlow experienced 30 non-motorist collisions within the analysis period which resulted in 1 pedestrian fatality in the year 2014 and 3 other incapacitating injuries.
- A total of 7 out of the top 10 crash locations are signalized intersections.
- Approximately 13% (163 out of 1252) of the total crashes occurred along Interstate I-90.

**LOCATION OF CRASHES**

|                       |             |
|-----------------------|-------------|
| Not at junction       | 705         |
| T-intersection        | 274         |
| Four-way intersection | 183         |
| Driveway              | 34          |
| Y-intersection        | 31          |
| Off-ramp              | 8           |
| On-ramp               | 8           |
| Not reported          | 8           |
| Five-point or more    | 1           |
| <b>Total</b>          | <b>1252</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 16        |
| Pedalcyclist* | 11        |
| Wheelchair    | 2         |
| Skater        | 1         |
| <b>Total</b>  | <b>30</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

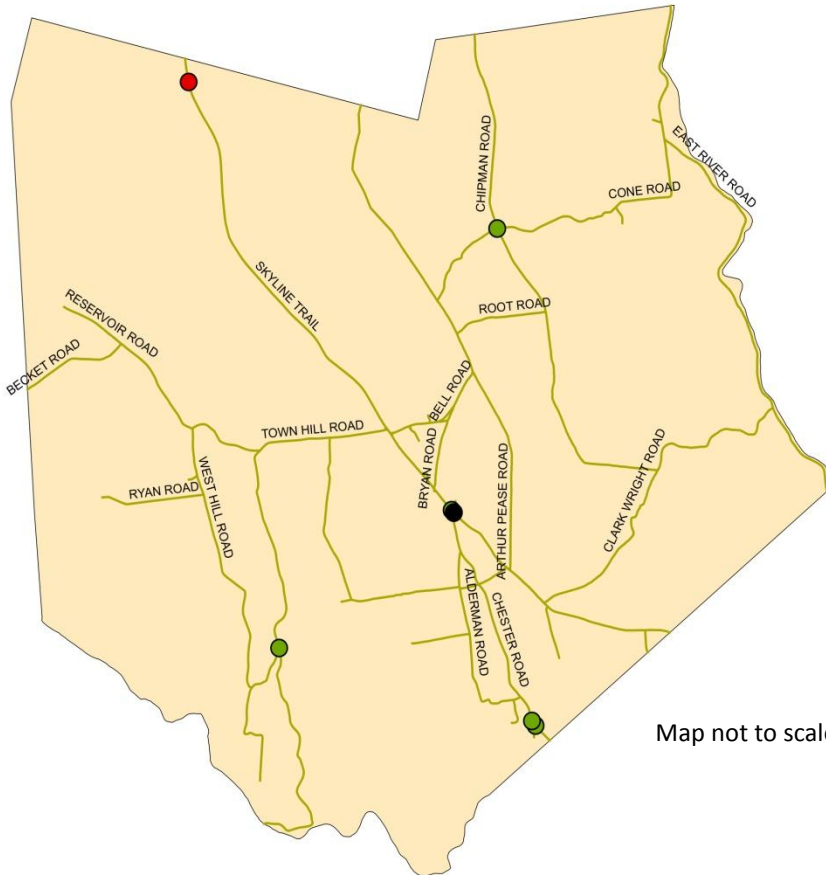
|  |            |
|--|------------|
| No improper driving  | 94         |
| Driving too fast for conditions or speeding                                      | 48         |
| Unknown  | 41         |
| Distracted, Emotional or Inattention   | 39         |
| Failure to keep in proper lane or running off road                               | 29         |
| Fatigue, Illness or Physical Impairment  | 23         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 15         |
| Over correcting or over steering   | 9          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 9          |
| Other improper action  | 8          |
| Glare or obstructed visibility   | 6          |
| Operating defective equipment  | 4          |
| Failed to yield right of way   | 3          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Followed too closely   | 1          |
| Made an improper turn  | 1          |
| <b>Total</b>   | <b>331</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Urban minor arterial or rural major collector    | 687         |
| Local  | 166         |
| Rural minor arterial or urban principal arterial | 130         |
| Interstate                                       | 115         |
| Urban collector or rural minor collector         | 98          |
| Unknown  | 56          |
| <b>Total</b>                                     | <b>1252</b> |

# Pioneer Valley SafetyCompass

## MIDDLEFIELD (2012 – 2014)



- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top Crash Location

Map not to scale



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision                            | Severity                 | Roadway | Weather  |
|-------|-------|--|--------------------------|---------|----------|
| 2012  | 3     | Single Vehicle 3                               | No injury 2              | Dry 3   | Clear 2  |
|       |       |  | Non-fatal injury - NC^ 1 |         | Cloudy 1 |
| 2013  | 1     | Angle 1  | No injury 1              | Dry 1   | Cloudy 1 |
| 2014  | 5     | Rear End 1<br>Single Vehicle 4                 | No injury 3              | Dry 2   | Clear 3  |
|       |       |  | Non-fatal Injury - P@ 2  |         | Ice 1    |
|       |       |  |                          | Snow 1  | Sleet 1  |
|       |       |  |                          | Wet 1   |          |
| Total | 9     | ^ Non Incapacitating @ Possible * Not Reported |                          |         |          |

### TOP CRASH LOCATION IN TOWN:

The intersection of Skyline Trail and Chester Road (2 property damage crashes)

### KNOWN INJURY CRASH LOCATION IN TOWN:

Along Skyline Trail just south of the border of Middlefield and Peru

**KEY FINDINGS:**

- The Town of Middlefield experienced a total of 9 crashes within the calendar years of 2012 to 2014.
- Out of the total 9 crashes, 2 injury crashes (one along Skyline Trail and one along Chester Road) did not have enough data associated with them to be able to plot them geographically on the map.
- A total of 7 crashes out of 9 were single vehicle type.
- One third of the crashes involved a motor vehicle driving too fast for conditions.
- More than half of the crashes occurred during the hours of darkness.
- Collisions of motor vehicles with ditches resulted in 2 crashes.

**FIRST HARMFUL EVENT**

|   |          |
|---|----------|
| Collision with ditch                    | 2        |
| Collision with animal - deer            | 1        |
| Collision with curb                     | 1        |
| Collision with embankment               | 1        |
| Collision with guardrail                | 1        |
| Collision with motor vehicle in traffic | 1        |
| Collision with parked motor vehicle     | 1        |
| Collision with tree                     | 1        |
| <b>Total</b>                            | <b>9</b> |

**DRIVER CONTRIBUTION CODES**

|   |          |
|---|----------|
| No improper Driving                         | 4        |
| Driving too fast for conditions or speeding | 3        |
| Failed to yield the right of way            | 1        |
| Other improper action                       | 1        |
| <b>Total</b>                                | <b>9</b> |

**AMBIENT LIGHT**

|                                 |          |
|---------------------------------|----------|
| Daylight                        | 4        |
| Dark - roadway not lighted      | 2        |
| Dusk                            | 2        |
| Dark - unknown roadway lighting | 1        |
| <b>Total</b>                    | <b>9</b> |

**LOCATION OF CRASHES**

|                 |          |
|-----------------|----------|
| Not at junction | 7        |
| Not reported    | 1        |
| T-intersection  | 1        |
| <b>Total</b>    | <b>9</b> |

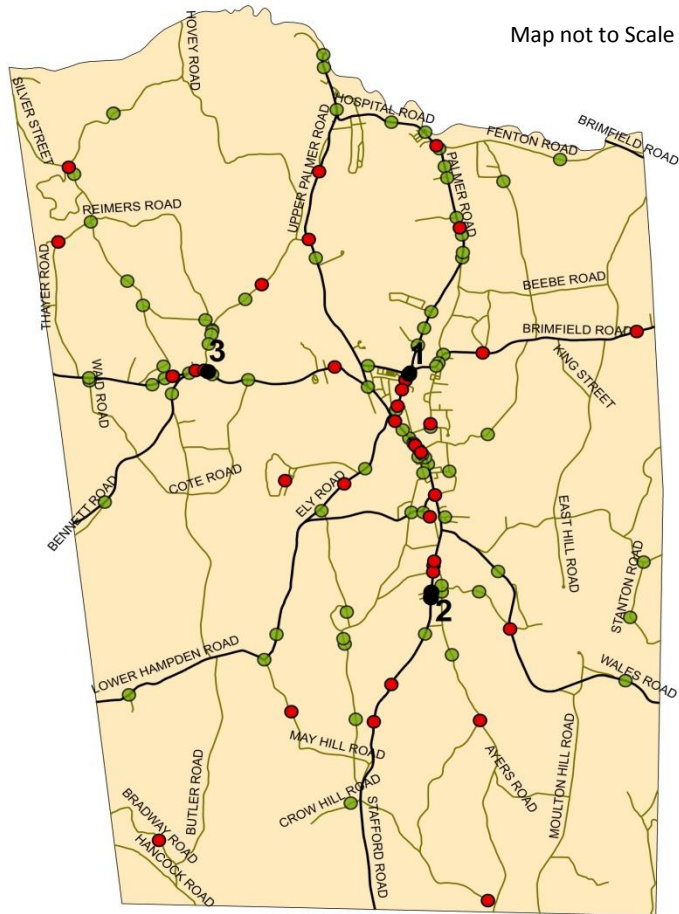
**ROADWAY CLASSIFICATION**

|  |          |
|--|----------|
| Urban collector or rural minor collector | 4        |
| Unknown                                  | 3        |
| Local                                    | 2        |
| <b>Total</b>                             | <b>9</b> |

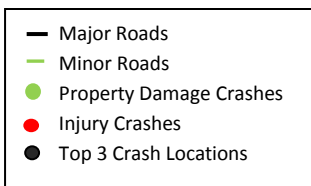
# Pioneer Valley SafetyCompass

## MONSON (2012 – 2014)

### TOWN CRASH PROFILE



| Year           | Total | Manner of Collision | Severity | Roadway  | Weather |              |    |        |    |
|----------------|-------|---------------------|----------|--|---------|--------------|----|--------|----|
| 2012           | 50    | Angle               | 7        | Fatal Injury   | 0       | Dry          | 33 | Clear  | 27 |
|                |       | Head On             | 0        | No injury  | 36      | Ice          | 0  | Cloudy | 10 |
|                |       | Rear End            | 2        | Non-fatal injury - I <sup>\$</sup>                               | 1       | Snow         | 7  | Snow   | 7  |
|                |       | Side Swipe          | 1        | Non-fatal injury - NC <sup>^</sup>                               | 8       | Wet          | 9  | Rain   | 4  |
|                |       | Single Vehicle      | 39       | Non-fatal Injury - P <sup>@</sup>                                | 1       | Sand         | 0  | NR*    | 1  |
|                |       | Not Reported        | 1        | Not Reported   | 4       | Other        | 1  | Fog    | 1  |
|                |       | 2013                | 62       | Angle  | 11      | Fatal Injury | 0  | Dry    | 31 |
| Head On        | 5     |                     |          | No injury  | 41      | Ice          | 6  | Cloudy | 14 |
| Rear End       | 8     |                     |          | Non-fatal injury - I <sup>\$</sup>                               | 1       | Sand         | 1  | NR*    | 1  |
| Side Swipe     | 2     |                     |          | Non-fatal injury - NC <sup>^</sup>                               | 13      | Wet          | 15 | Rain   | 5  |
| Single Vehicle | 35    |                     |          | Non-fatal Injury - P <sup>@</sup>                                | 7       | Snow         | 7  | Snow   | 5  |
| Not Reported   | 1     |                     |          |  |         | Other        | 2  | Sleet  | 1  |
| 2014           | 61    |                     |          | Angle  | 7       | Fatal Injury | 0  | Dry    | 31 |
|                |       | Head On             | 0        | No injury  | 41      | Ice          | 3  | Cloudy | 9  |
|                |       | Rear End            | 10       | Non-fatal injury - I <sup>\$</sup>                               | 1       | Sand         | 2  | Fog    | 3  |
|                |       | Side Swipe          | 6        | Non-fatal injury - NC <sup>^</sup>                               | 12      | Snow         | 12 | Rain   | 5  |
|                |       | Single Vehicle      | 37       | Non-fatal Injury - P <sup>@</sup>                                | 3       | Wet          | 11 | Snow   | 8  |
|                |       | Not Reported        | 1        | Not Reported   | 4       | Other        | 2  | Sleet  | 2  |
|                |       | Total               | 173      | ^ Non Incapacitating @ Possible \$ Incapacitating * Not Reported |         |              |    |        |    |



### TOP CRASH LOCATIONS IN TOWN:

1. The Intersection of Main Street (Route 32), Palmer Lower Road (Route 32), Chestnut Street, and Thompson Street (Total Crashes – 4, EPDO\* - 12)
2. The Intersection of Stafford Road (Route 32) and Pine View Drive (Total Crashes – 2, EPDO\* - 10)
3. The Intersection of Wilbraham Road and Reimers Road (Total Crashes – 5, EPDO\* - 9)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Monson experienced a total of 173 crashes within the calendar years of 2012 to 2014.
- A majority of single vehicle crashes were caused by drivers operating their vehicle in a reckless manner, or as a result of speeding.
- The top 3 causes for single vehicle crashes were collisions with utility poles, trees, or ditches.
- In the year 2014, a collision was reported between a pedestrian and a motor vehicle which resulted in a non-incapacitating injury.
- Approximately 64% (111 out of 173) of the total crashes are single vehicle collisions with other objects.
- Speeding was observed to be the cause for 15% of single vehicle crashes.

**FIRST HARMFUL EVENT**

|   |            |
|---|------------|
| Collision with motor vehicle in traffic       | 51         |
| Collision with utility pole                   | 19         |
| Collision with tree                           | 18         |
| Collision with ditch                          | 17         |
| Collision with embankment                     | 14         |
| Collision with guardrail                      | 13         |
| Collision with animal - deer                  | 10         |
| Collision with unknown fixed object           | 8          |
| Unknown                                       | 5          |
| Collision with curb                           | 4          |
| Collision with other movable object           | 4          |
| Collision with parked motor vehicle           | 3          |
| Overturn/rollover                             | 3          |
| Collision with bridge                         | 2          |
| Collision with other light pole or other post | 1          |
| Collision with pedestrian                     | 1          |
| <b>Total</b>                                  | <b>173</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 32         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 18         |
| Driving too fast for conditions or speeding                                      | 17         |
| Distracted or Inattention  | 12         |
| Unknown  | 9          |
| Fatigue, Illness or Physical Impairment  | 8          |
| Over correcting or over steering   | 4          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 4          |
| Failure to keep in proper lane or running off road                               | 3          |
| Operating defective equipment  | 2          |
| Followed too closely   | 1          |
| Other improper action  | 1          |
| <b>Total</b>   | <b>111</b> |

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 136        |
| T-intersection        | 14         |
| Y-intersection        | 13         |
| Driveway              | 5          |
| Unknown               | 3          |
| Four-way intersection | 1          |
| Traffic circle        | 1          |
| <b>Total</b>          | <b>173</b> |

**ROADWAY CLASSIFICATION**

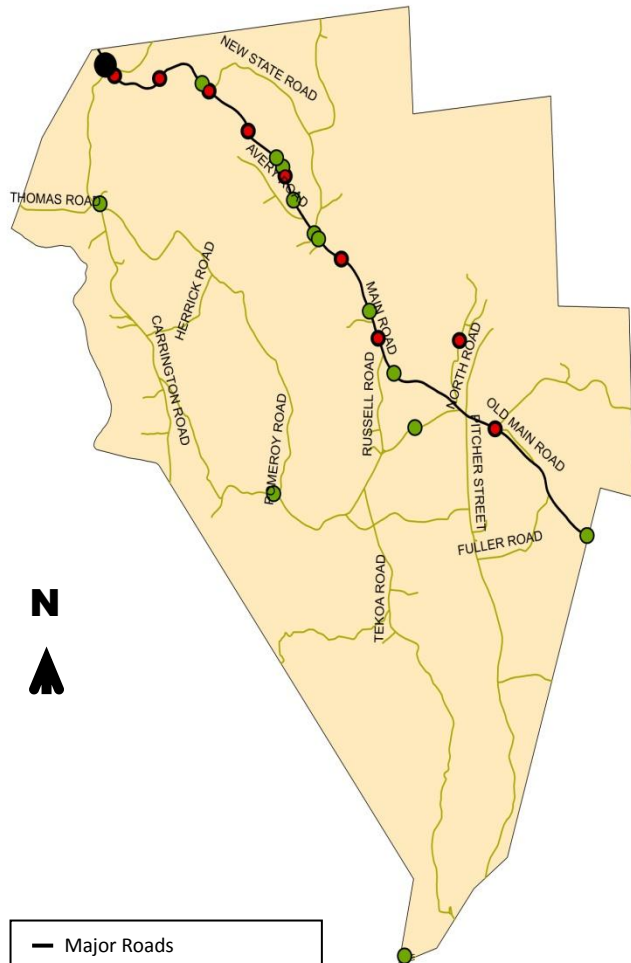
|  |            |
|--|------------|
| Local  | 47         |
| Rural minor arterial or urban principal arterial | 48         |
| Urban minor arterial or rural major collector    | 52         |
| Unknown  | 26         |
| <b>Total</b>                                     | <b>173</b> |

# Pioneer Valley SafetyCompass

## MONTGOMERY (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision                              | Severity                           | Roadway        | Weather |          |
|-------|-------|--|------------------------------------|----------------|---------|----------|
| 2012  | 17    | Single Vehicle Crash 17                          | No injury                          | 10             | Dry 6   | Clear 7  |
|       |       |  | Non-fatal injury - I <sup>§</sup>  | 1              | Ice 2   | Cloudy 3 |
|       |       |  | Non-fatal injury - NC <sup>^</sup> | 5              | Snow 2  | Snow 2   |
|       |       |  | Not Reported                       | 1              | Wet 5   | Rain 1   |
|       |       |  |                                    |                | Sand 1  | NR* 4    |
| 2013  | 11    | Angle 1<br>Single Vehicle Crash 10               | No injury                          | 6              | Dry 7   | Clear 8  |
|       |       |  | Non-fatal injury - I <sup>§</sup>  | 1              | Wet 1   | Cloudy 1 |
|       |       |  | Non-fatal injury - NC <sup>^</sup> | 1              | Snow 2  | Rain 1   |
|       |       |  | Non-fatal Injury - P <sup>@</sup>  | 3              | Other 1 | Snow 1   |
| 2014  | 9     | Single Vehicle Crash 9                           | No injury                          | 4              | Dry 4   | Clear 4  |
|       |       |  | Non-fatal injury - NC <sup>^</sup> | 4              | Snow 2  | Cloudy 0 |
|       |       |  | Non-fatal Injury - P <sup>@</sup>  | 1              | Wet 2   | Other 2  |
|       |       |  |                                    |                | Other 1 | Rain 1   |
|       |       |  |                                    |                | Snow 2  |          |
| Total | 37    |  |                                    |                |         |          |
|       |       | ^ Non Incapacitating @ Possible § Incapacitating |                                    | * Not Reported |         |          |



Map not to scale

### TOP CRASH LOCATION IN TOWN:

The Intersection of Main Street, Carrington Road, and Lambson Road.  
Number of Crashes: 2, EPDO: 6

\*EPDO – Equivalent Property Damage Only  
(Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top Crash Location



**KEY FINDINGS:**

- The Town of Montgomery experienced a total of 37 crashes within the calendar years of 2012 to 2014.
- A total of 12 crashes out of the 37 did not have complete location data to be plotted geographically on the map.
- The total number of reported crashes has decreased each year within the analysis period.
- All the crashes except one were single vehicle crashes.
- In the year 2013, there was a non-motorist collision in the Town along Main Road in the vicinity of its intersection with New State Road. This crash involved a wheelchair and a motor vehicle whose driver was reported to be driving too fast for the conditions. This incident was not reported to have caused any injury.
- Nearly 40% of drivers of vehicles involved in a crash were reported to have been driving too fast for the conditions.
- More than half of the crashes occurred during the hours of darkness.
- Collisions of motor vehicles with ditches, animals, and embankments resulted in a total of 18 crashes.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with ditch                                  | 10        |
| Unknown   | 6         |
| Collision with animal - deer                          | 4         |
| Collision with embankment                             | 4         |
| Collision with animal - other                         | 3         |
| Collision with other light pole or other post/support | 3         |
| Collision with tree                                   | 3         |
| Collision with guardrail                              | 2         |
| Collision with other                                  | 1         |
| Collision with utility pole                           | 1         |
| <b>Total</b>  | <b>37</b> |

**ROADWAY CLASSIFICATION**

|   |           |
|---|-----------|
| Urban minor arterial or rural major collector | 18        |
| Unknown                                       | 12        |
| Local   | 3         |
| Interstate                                    | 2         |
| Urban collector or rural minor collector      | 2         |
| <b>Total</b>                                  | <b>37</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| Driving too fast for conditions or speeding        | 14        |
| No improper driving                                | 13        |
| Unknown  | 4         |
| Fatigue, Illness or Physical Impairment            | 2         |
| Distracted or Inattention                          | 1         |
| Failed to yield right of way                       | 1         |
| Failure to keep in proper lane or running off road | 1         |
| Other improper action                              | 1         |
| <b>Total</b>                                       | <b>37</b> |

**LOCATION OF CRASHES**

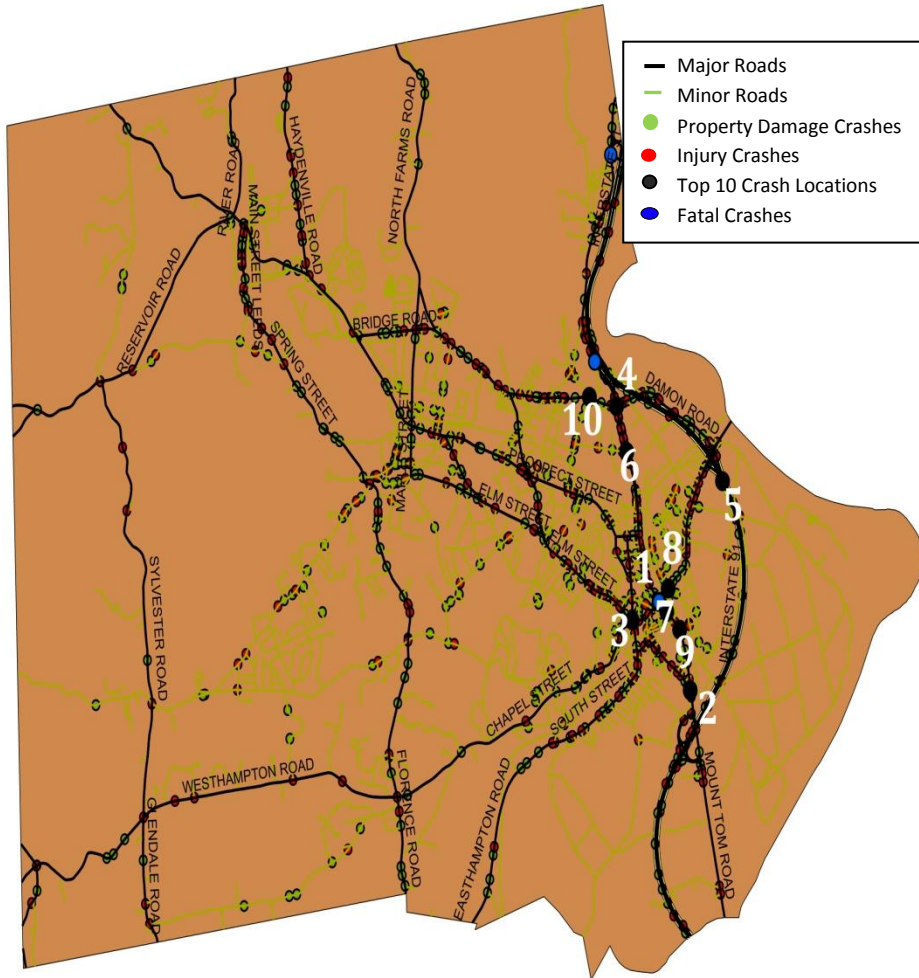
|                 |           |
|-----------------|-----------|
| Not at junction | 34        |
| T-intersection  | 3         |
| <b>Total</b>    | <b>37</b> |

**AMBIENT LIGHT**

|                                 |           |
|---------------------------------|-----------|
| Dark - roadway not lighted      | 16        |
| Daylight                        | 15        |
| Dark - lighted roadway          | 2         |
| Dawn                            | 2         |
| Dark - unknown roadway lighting | 1         |
| Dusk                            | 1         |
| <b>Total</b>                    | <b>37</b> |

# Pioneer Valley SafetyCompass

## NORTHAMPTON (2012 – 2014)



### CITY CRASH PROFILE

| Year           | Total | Manner of Collision | Severity | Roadway   |     |       |     |
|----------------|-------|---------------------|----------|---|-----|-------|-----|
| 2012           | 565   | Angle               | 138      | Fatal   | 4   | Dry   | 391 |
|                |       | Head On             | 21       | No injury   | 401 | Ice   | 13  |
|                |       | Rear End            | 193      | Non-fatal injury – I <sup>\$</sup>                | 10  | Snow  | 32  |
|                |       | Side Swipe          | 75       | Non-fatal injury – NC <sup>^</sup>                | 65  | Wet   | 123 |
|                |       | Single Vehicle      | 129      | Non-fatal injury – P <sup>@</sup>                 | 69  | Slush | 3   |
|                |       | Not Reported        | 9        | Not reported                                      | 16  | Other | 3   |
|                |       | 2013                | 573      | Angle   | 190 | Fatal | 1   |
| Head On        | 11    |                     |          | No injury   | 409 | Ice   | 13  |
| Rear End       | 198   |                     |          | Non-fatal injury – I <sup>\$</sup>                | 11  | Snow  | 42  |
| Side Swipe     | 67    |                     |          | Non-fatal injury – NC <sup>^</sup>                | 76  | Wet   | 105 |
| Single Vehicle | 104   |                     |          | Non-fatal injury – P <sup>@</sup>                 | 73  | Slush | 2   |
| Not Reported   | 3     |                     |          | Not reported                                      | 3   | Other | 4   |
| 2014           | 577   |                     |          | Angle   | 143 | Fatal | 0   |
|                |       | Head On             | 21       | No injury   | 406 | Ice   | 16  |
|                |       | Rear End            | 214      | Non-fatal injury – I <sup>\$</sup>                | 7   | Snow  | 35  |
|                |       | Side Swipe          | 59       | Non-fatal injury – NC <sup>^</sup>                | 84  | Wet   | 112 |
|                |       | Single Vehicle      | 140      | Non-fatal injury – P <sup>@</sup>                 | 68  | Slush | 3   |
|                |       | Not Reported        | 0        | Not reported                                      | 12  | Other | 6   |
| Total          | 1715  |                     |          | ^ Non Incapacitating @ Possible \$ Incapacitating |     |       |     |

### OP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection/Location  | Crashes | EPDO* | Rank | Intersection/Location  | Crashes | EPDO* |
|------|--|---------|-------|------|--|---------|-------|
| 1    | King Street, Pleasant Street, and Main Street                        | 53      | 126   | 6    | King Street and Barrett Street                               | 19      | 47    |
| 2    | Mt. Tom Road, Pleasant Street, and Conz Street                       | 34      | 82    | 7    | Pleasant Street and Florida Avenue                           | 17      | 45    |
| 3    | Elm Street, Main Street, New South Street, State Street, West Street | 34      | 70    | 8    | Bridge Street, Main Street, Hawley Street and Market Street  | 27      | 43    |
| 4    | King Street, Bridge Road, and Daman Road                             | 39      | 67    | 9    | Pleasant Street and Hampton Avenue                           | 24      | 40    |
| 5    | Interstate I-91 in the vicinity of Exit 19                           | 24      | 56    | 10   | Bridge Road, Cooke Avenue, Jackson Street, Pine Brooke Curve | 19      | 39    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 1715 crashes in the City of Northampton within the calendar years of 2012 to 2014.
- A total of 5 fatal crashes occurred in the City within this period.
- Approximately 35% of the total crashes were rear end collisions, followed by angle (27%), and single vehicle (21%) type crashes.
- Northampton experienced 94 non-motorist collisions within the analysis period which resulted in 2 fatalities.
- Approximately 8% of the total crashes occurred along the interstate I-91.
- Over 22% of all crashes occurred at a four-way intersection.

**LOCATION OF CRASHES**

|                        |             |
|------------------------|-------------|
| Not at junction        | 864         |
| T-intersection         | 382         |
| Four-way intersection  | 272         |
| Driveway               | 70          |
| Y-intersection         | 41          |
| Off-ramp               | 31          |
| On-ramp                | 26          |
| Traffic circle         | 9           |
| Five-point or more     | 7           |
| Not reported           | 6           |
| Unknown                | 6           |
| Railway grade crossing | 1           |
| <b>Total</b>           | <b>1715</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Urban minor arterial or rural major collector    | 703         |
| Rural or urban principal arterial                | 383         |
| Rural minor arterial or urban principal arterial | 157         |
| Interstate                                       | 143         |
| Urban collector or rural minor collector         | 131         |
| Local  | 118         |
| Unknown  | 80          |
| <b>Total</b>                                     | <b>1715</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 41        |
| Pedalcyclist* | 53        |
| <b>Total</b>  | <b>94</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

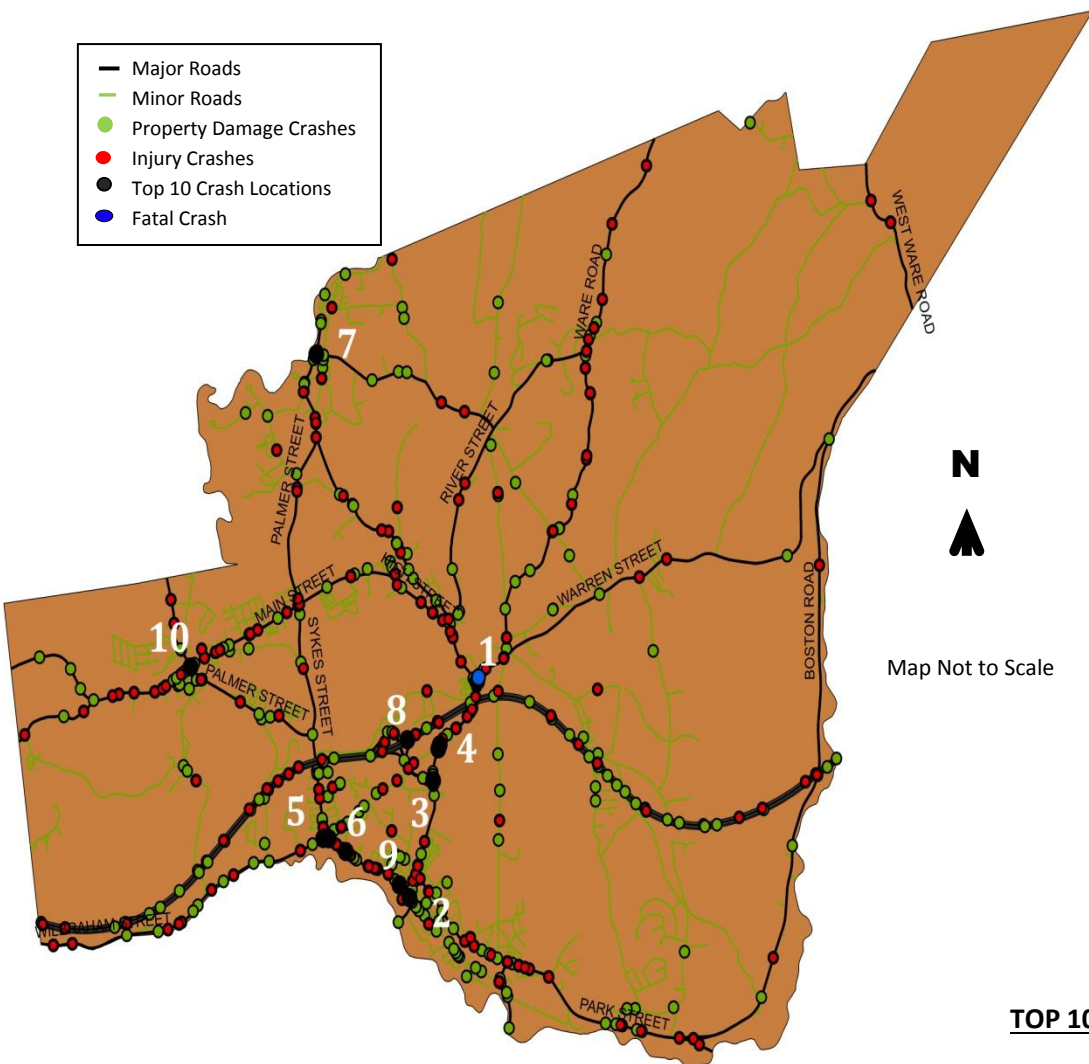
**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 123        |
| Distracted, Emotional or Inattention   | 50         |
| Driving too fast for conditions or speeding                                      | 41         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 36         |
| Unknown  | 30         |
| Fatigue, Illness or Physical Impairment  | 28         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 17         |
| Other improper action  | 13         |
| Failure to keep in proper lane or running off road                               | 8          |
| Over correcting or over steering   | 8          |
| Disregarded traffic signs, signals, road markings                                | 6          |
| Failed to yield right of way   | 6          |
| Glare or obstructed visibility   | 4          |
| Made an improper turn  | 1          |
| Operating defective equipment  | 1          |
| Wrong side of the road   | 1          |
| <b>Total</b>   | <b>373</b> |

# Pioneer Valley SafetyCompass

## PALMER (2012 – 2014)

- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top 10 Crash Locations
- Fatal Crash



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision                               |     | Severity                           |     | Roadway |     |
|-------|-------|---|-----|------------------------------------|-----|---------|-----|
| 2012  | 347   | Angle   | 95  | Fatal                              | 1   | Dry     | 261 |
|       |       | Head On   | 8   | No injury                          | 235 | Ice     | 8   |
|       |       | Rear End  | 100 | Non-fatal injury – I <sup>\$</sup> | 18  | Snow    | 14  |
|       |       | Side Swipe  | 31  | Non-fatal injury – NC <sup>^</sup> | 42  | Wet     | 58  |
|       |       | Single Vehicle                                    | 110 | Non-fatal injury – P <sup>@</sup>  | 36  | Sand    | 3   |
|       |       | Not Reported                                      | 3   | Not reported                       | 15  | Other   | 3   |
|       |       |   |     |                                    |     |         |     |
| 2013  | 409   | Angle   | 96  | Fatal                              | 0   | Dry     | 288 |
|       |       | Head On   | 9   | No injury                          | 294 | Ice     | 14  |
|       |       | Rear End  | 101 | Non-fatal injury – I <sup>\$</sup> | 10  | Snow    | 30  |
|       |       | Side Swipe  | 43  | Non-fatal injury – NC <sup>^</sup> | 44  | Wet     | 72  |
|       |       | Single Vehicle                                    | 158 | Non-fatal injury – P <sup>@</sup>  | 53  | Sand    | 1   |
|       |       | Not Reported                                      | 2   | Not reported                       | 8   | Other   | 4   |
|       |       |   |     |                                    |     |         |     |
| 2014  | 210   | Angle   | 50  | Fatal                              | 0   | Dry     | 128 |
|       |       | Head On   | 5   | No injury                          | 147 | Ice     | 11  |
|       |       | Rear End  | 59  | Non-fatal injury – I <sup>\$</sup> | 10  | Snow    | 29  |
|       |       | Side Swipe  | 23  | Non-fatal injury – NC <sup>^</sup> | 24  | Wet     | 31  |
|       |       | Single Vehicle                                    | 72  | Non-fatal injury – P <sup>@</sup>  | 26  | Sand    | 3   |
|       |       | Not Reported                                      | 1   | Not reported                       | 3   | Other   | 8   |
|       |       |   |     |                                    |     |         |     |
| Total | 966   | ^ Non Incapacitating @ Possible \$ Incapacitating |     |                                    |     |         |     |

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location                                     | Crashes | EPDO* | Rank | Intersection/Location  | Crashes | EPDO* |
|------|---|---------|-------|------|--|---------|-------|
| 1    | Ware Street (Route 32), Thorndike Street, and High Street | 27      | 72    | 6    | North Main Street (Route 20) and Randall Street                            | 11      | 35    |
| 2    | North Main Street, Thorndike Street, and Main Street      | 29      | 45    | 7    | Main Street (Route 181), South Main Street, River Street, and State Street | 11      | 31    |
| 3    | Thorndike Street (Route 32) and I-90 Exit 8 Ramps         | 21      | 41    | 8    | I-90 eastbound in the vicinity of Exit 8 off-ramp                          | 13      | 29    |
| 4    | Thorndike Street (Route 32) and Shearer Street            | 20      | 36    | 9    | North Main Street (Route 20) and Knox Street                               | 10      | 26    |
| 5    | North Main Street, Wilbraham Street, and Shearer Street   | 24      | 36    | 10   | Main Street, Bridge Street and Springfield Street                          | 8       | 24    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 966 crashes in the Town within the calendar years of 2012 to 2014.
- Fewer crashes were reported in the Town during the calendar year 2014 compared to 2012 and 2013. This will need to be monitored over time to understand whether this is a trend or a reporting issue.
- More than 35% of the total crashes were single vehicle crashes, followed by rear end (26.9%) and angle type crashes (24.9%).
- The Town did not report any fatal crashes within the last two years of the analysis period.
- A vast majority of the crashes (61.4%) in the Town occurred at locations other than intersections.
- One of the leading causes of the single vehicle crashes (almost 15%) in the Town was driving too fast for conditions or speeding.
- The eighth ranked crash location in the Town is located along I-90 eastbound in the vicinity of the off-ramp for Exit 8.

**LOCATION OF CRASHES**

|                        |            |
|------------------------|------------|
| Not at junction        | 594        |
| T-intersection         | 182        |
| Four-way intersection  | 78         |
| Y-intersection         | 52         |
| Driveway               | 39         |
| Off-ramp               | 9          |
| On-ramp                | 7          |
| Unknown                | 3          |
| Five-point or more     | 1          |
| Railway grade crossing | 1          |
| <b>Total</b>           | <b>966</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Rural minor arterial or urban principal arterial | 422        |
| Interstate                                       | 175        |
| Urban minor arterial or rural major collector    | 143        |
| Not Known  | 101        |
| Local  | 85         |
| Urban collector or rural minor collector         | 40         |
| <b>Total</b>                                     | <b>966</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 9         |
| Pedalcyclist* | 13        |
| <b>Total</b>  | <b>22</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 91         |
| Driving too fast for conditions or speeding                                      | 50         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 44         |
| Distracted or Inattention  | 37         |
| Failure to keep in lane or running off the road                                  | 32         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 17         |
| Fatigue, Illness, or Physical Impairment   | 16         |
| Over correcting or over steering   | 16         |
| Unknown  | 12         |
| Other improper action  | 10         |
| Operating defective equipment  | 6          |
| Glare or Obstructed visibility   | 3          |
| Improper Turning   | 3          |
| Failed to yield right of way   | 2          |
| Followed too Closely   | 1          |
| <b>Total</b>   | <b>340</b> |

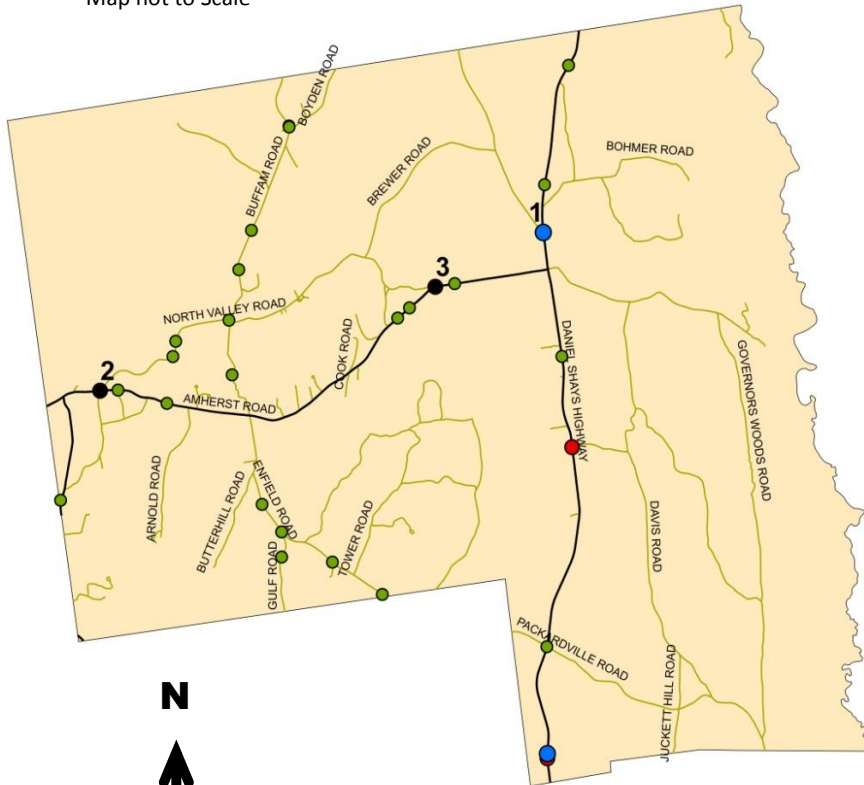
# Pioneer Valley SafetyCompass

## PELHAM (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision  | Severity | Roadway                            | Weather |       |   |        |   |
|-------|-------|--|----------|------------------------------------|---------|-------|---|--------|---|
| 2012  | 17    | Rear End   | 1        | Fatal Injury                       | 1       | Dry   | 7 | Clear  | 7 |
|       |       | Side Swipe   | 1        | No injury                          | 11      | Ice   | 5 | Cloudy | 1 |
|       |       | Single Vehicle   | 15       | Non-fatal injury - I <sup>\$</sup> | 1       | Snow  | 3 | Snow   | 2 |
|       |       |  |          | Non-fatal injury - NC <sup>^</sup> | 1       | Wet   | 1 | NR*    | 3 |
|       |       |  |          | Not Reported                       | 3       | Sand  | 1 | Sleet  | 4 |
| 2013  | 6     | Rear End   | 1        | Fatal Injury                       | 0       | Dry   | 2 | Clear  | 1 |
|       |       | Single Vehicle   | 5        | No injury                          | 5       | Ice   | 1 | NR*    | 2 |
|       |       |  |          | Non-fatal injury - NC <sup>^</sup> | 1       | Wet   | 1 | Rain   | 1 |
| 2014  | 13    | Angle  | 2        | Fatal Injury                       | 1       | Dry   | 5 | Clear  | 7 |
|       |       | Head On  | 1        | No injury                          | 11      | Ice   | 1 | Cloudy | 3 |
|       |       | Rear End   | 1        | Non-fatal injury - I <sup>\$</sup> | 1       | Sand  | 1 | NR*    | 1 |
|       |       | Side Swipe   | 1        |                                    |         | Snow  | 4 | Snow   | 1 |
|       |       | Single Vehicle   | 8        |                                    |         | Wet   | 1 | Sleet  | 1 |
|       |       |  |          |                                    |         | Other | 1 |        |   |
| Total | 36    | <sup>^</sup> Non Incapacitating    @ Possible    \$ Incapacitating    * Not Reported |          |                                    |         |       |   |        |   |

Map not to Scale



|   |                         |
|---|-------------------------|
| — | Major Roads             |
| — | Minor Roads             |
| ● | Property Damage Crashes |
| ● | Injury Crashes          |
| ● | Top 3 Crash Locations   |
| ● | Fatal Crash             |

### TOP CRASH LOCATIONS IN TOWN:

1. The Intersection of Daniel Shays Highway (Route 202) and Shutesbury Road  
(Total Crashes – 3, EPDO\* - 12)
2. The Intersection of Amherst Road, North Valley Road, and South Valley Road  
(Total Crashes – 2, EPDO\* - 6)
3. The Intersection of Amherst Road and North Valley Road  
(Total Crashes – 1, EPDO\* - 5)

\*EPDO – Equivalent Property Damage Only(Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Pelham experienced a total of 36 crashes within the calendar years of 2012 to 2014.
- Pelham experienced 2 fatal crashes within the analysis period of 3 years. This number is considerably high for a rural area. The fatal crash that occurred in the year 2012 was a result of a collision between a motor vehicle and an embankment. The driver of the motor vehicle was reported to have been driving too fast for the conditions. The fatal crash that occurred in the year 2014 was a result of a sideswipe collision where one of the drivers was reported as having failed to yield the right of way.
- Pelham also experienced a single non-motorist crash involving a wheelchair in the year 2012. This incident does not have detailed injury data or driver contribution code data attached to it.
- More than 75% (28 out of 36) of the total crashes are single vehicle collisions with other objects.
- Also, more than half of the crashes occurred during the hours of darkness.
- Collisions of motor vehicles with ditches, trees, and utility poles have resulted in a total of 18 crashes.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with motor vehicle in traffic | 8         |
| Collision with ditch                    | 6         |
| Collision with tree                     | 6         |
| Collision with utility pole             | 6         |
| Collision with embankment               | 5         |
| Collision with animal - deer            | 2         |
| Collision with animal - other           | 1         |
| Collision with guardrail                | 1         |
| Collision with other                    | 1         |
| <b>Total</b>                            | <b>36</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| No improper driving                                | 9         |
| Unknown  | 7         |
| Driving too fast for conditions or speeding        | 7         |
| Other improper action                              | 4         |
| Failed to yield right of way                       | 3         |
| Failure to keep in proper lane or running off road | 2         |
| Fatigue, Illness or Physical Impairment            | 2         |
| Followed too closely                               | 1         |
| Over correcting or over steering                   | 1         |
| <b>Total</b>                                       | <b>36</b> |

**AMBIENT LIGHT**

|                            |           |
|----------------------------|-----------|
| Daylight                   | 17        |
| Dark - roadway not lighted | 14        |
| Dawn                       | 3         |
| Dark - lighted roadway     | 2         |
| <b>Total</b>               | <b>36</b> |

**LOCATION OF CRASHES**

|                       |           |
|-----------------------|-----------|
| Not at junction       | 28        |
| T-intersection        | 4         |
| Four-way intersection | 3         |
| Not reported          | 1         |
| <b>Total</b>          | <b>36</b> |

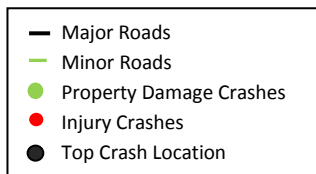
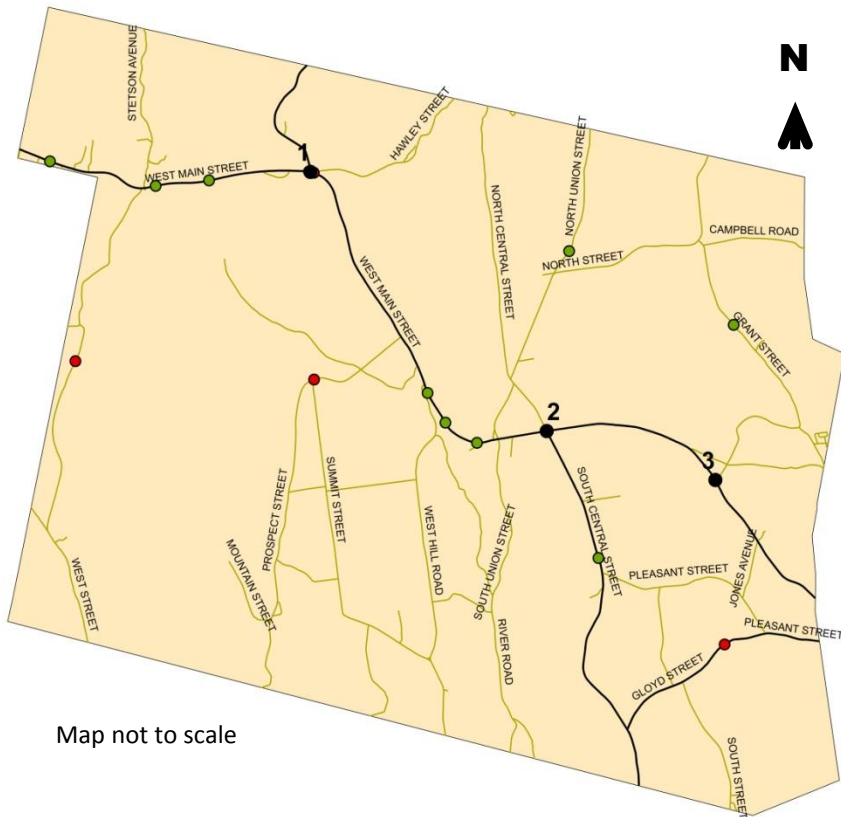
**ROADWAY CLASSIFICATION**

|  |           |
|--|-----------|
| Urban minor arterial or rural major collector    | 10        |
| Rural minor arterial or urban principal arterial | 9         |
| Urban collector or rural minor collector         | 9         |
| Local  | 6         |
| Unknown  | 2         |
| <b>Total</b>                                     | <b>36</b> |

# Pioneer Valley SafetyCompass

## PLAINFIELD (2012 – 2014)

### TOWN CRASH PROFILE



| Year  | Total | Manner of Collision | Severity | Roadway                            | Weather |       |   |        |   |
|-------|-------|---------------------|----------|------------------------------------|---------|-------|---|--------|---|
| 2012  | 10    | Angle               | 1        | No injury                          | 3       | Dry   | 5 | Clear  | 7 |
|       |       | Single Vehicle      | 8        | Non-fatal injury - I <sup>\$</sup> | 2       | Ice   | 1 | Cloudy | 1 |
|       |       | Not Reported        | 1        | Non-fatal injury - NC <sup>^</sup> | 3       | Wet   | 2 | Snow   | 1 |
|       |       |                     |          | Non-fatal Injury - P <sup>@</sup>  | 2       | Sand  | 1 | Sleet  | 1 |
|       |       |                     |          |                                    |         | Other | 1 |        |   |
| 2013  | 9     | Angle               | 1        | No injury                          | 5       | Dry   | 4 | Clear  | 5 |
|       |       | Head On             | 1        | Non-fatal injury - I <sup>\$</sup> | 0       | Ice   | 1 | Cloudy | 1 |
|       |       | Single Vehicle      | 6        | Non-fatal injury - NC <sup>^</sup> | 1       | Wet   | 2 | NR*    | 1 |
|       |       | Not Reported        | 1        | Non-fatal Injury - P <sup>@</sup>  | 2       | Snow  | 1 | Rain   | 1 |
|       |       |                     |          | Not Reported                       | 1       | Other | 1 | Snow   | 1 |
| 2014  | 4     | Angle               | 0        | No injury                          | 3       | Dry   | 2 | Clear  | 1 |
|       |       | Side Swipe          | 1        | Non-fatal injury - I <sup>\$</sup> | 0       | Snow  | 1 | Cloudy | 1 |
|       |       | Single Vehicle      | 3        | Non-fatal injury - NC <sup>^</sup> | 1       | Wet   | 1 | NR*    | 1 |
|       |       |                     |          | Non-fatal Injury - P <sup>@</sup>  | 0       |       |   | Rain   | 1 |
| Total | 23    |                     |          |                                    |         |       |   |        |   |

^ Non Incapacitating @ Possible \$ Incapacitating \* Not Reported

### TOP CRASH LOCATIONS IN TOWN:

1. The Intersection of West Main Street (Route 116 and Route 8A), Hallockville Road (Route 8A), and Hawley Street (Total Crashes – 3, EPDO\* - 15)
2. The Intersection of East Main Street (Route 116), North Central Street, and South Central Street (Total Crashes – 4, EPDO\* - 12)
3. The Intersection of East Main Street (Route 116) and Bow Street (Total Crashes – 1, EPDO\* - 5)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)



**KEY FINDINGS:**

- The Town of Plainfield experienced a total of 23 crashes within the calendar years of 2012 to 2014.
- The total number of crashes was found to decrease each year within the analysis period.
- There were no reported fatalities during the analysis period, however nearly half of all crashes resulted in an injury.
- Nearly 75% (17 out of 23) of the total crashes are single vehicle collisions with other objects.
- Speeding was observed to be a cause for 40% of the total crashes.

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with motor vehicle in traffic | 6         |
| Collision with guardrail                | 4         |
| Collision with embankment               | 3         |
| Collision with animal - deer            | 2         |
| Collision with ditch                    | 2         |
| Collision with utility pole             | 2         |
| Collision with other movable object     | 1         |
| Collision with tree                     | 1         |
| Collision with unknown fixed object     | 1         |
| Other non-collision                     | 1         |
| <b>Total</b>                            | <b>23</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| Driving too fast for conditions or speeding                              | 9         |
| Failure to keep in proper lane or running off road                       | 5         |
| No improper driving  | 2         |
| Disregarded traffic signs, signals, road markings                        | 2         |
| Glare or obstructed visibility   | 2         |
| Followed too closely   | 1         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc | 1         |
| Unknown  | 1         |
| <b>Total</b>   | <b>23</b> |

**LOCATION OF CRASHES**

|                       |           |
|-----------------------|-----------|
| Not at junction       | 16        |
| Four-way intersection | 4         |
| T-intersection        | 2         |
| Traffic circle        | 1         |
| <b>Total</b>          | <b>23</b> |

**AMBIENT LIGHT**

|                                 |           |
|---------------------------------|-----------|
| Daylight                        | 11        |
| Dark - roadway not lighted      | 7         |
| Dawn                            | 3         |
| Dark - unknown roadway lighting | 1         |
| Dusk                            | 1         |
| <b>Total</b>                    | <b>23</b> |

**ROADWAY CLASSIFICATION**

|   |           |
|---|-----------|
| Urban minor arterial or rural major collector | 15        |
| Local   | 3         |
| Urban collector or rural minor collector      | 3         |
| Unknown                                       | 2         |
| <b>Total</b>                                  | <b>23</b> |

# Pioneer Valley SafetyCompass

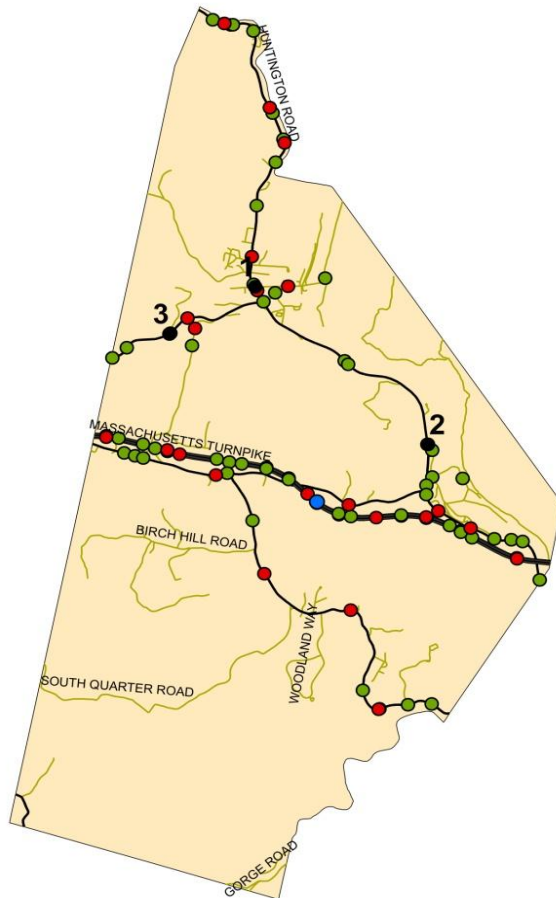
## RUSSELL (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity                           | Roadway | Weather |    |        |    |
|-------|-------|---------------------|------------------------------------|---------|---------|----|--------|----|
| 2012  | 50    | Angle               | Fatal Injury                       | 0       | Dry     | 29 | Clear  | 22 |
|       |       | Head On             | No injury                          | 36      | Ice     | 2  | Cloudy | 8  |
|       |       | Rear End            | Non-fatal injury - I <sup>§</sup>  | 1       | Snow    | 9  | Snow   | 10 |
|       |       | Side Swipe          | Non-fatal injury - NC <sup>^</sup> | 4       | Wet     | 6  | Rain   | 5  |
|       |       | Single Vehicle      | Non-fatal Injury - P <sup>@</sup>  | 1       | Sand    |    | NR*    | 2  |
|       |       | Not Reported        | Not Reported                       | 8       | Other   | 4  | Sleet  | 3  |
|       |       |                     |                                    |         |         |    |        |    |
| 2013  | 44    | Angle               | Fatal Injury                       | 1       | Dry     | 26 | Clear  | 17 |
|       |       | Head On             | No injury                          | 31      | Ice     | 5  | Cloudy | 12 |
|       |       | Rear End            | Non-fatal injury - I <sup>§</sup>  | 2       | Sand    | 1  | NR*    | 3  |
|       |       | Side Swipe          | Non-fatal injury - NC <sup>^</sup> | 5       | Wet     | 4  | Rain   | 3  |
|       |       | Single Vehicle      | Non-fatal Injury - P <sup>@</sup>  | 5       | Snow    | 7  | Snow   | 7  |
|       |       | Not Reported        | Not Reported                       | 0       | Other   | 1  | Sleet  | 2  |
|       |       |                     |                                    |         |         |    |        |    |
| 2014  | 43    | Angle               | Fatal Injury                       | 0       | Dry     | 25 | Clear  | 21 |
|       |       | Head On             | No injury                          | 28      | Ice     | 4  | Cloudy | 7  |
|       |       | Rear End            | Non-fatal injury - I <sup>§</sup>  | 3       | Sand    | 0  | NR*    | 5  |
|       |       | Side Swipe          | Non-fatal injury - NC <sup>^</sup> | 5       | Snow    | 7  | Rain   | 5  |
|       |       | Single Vehicle      | Non-fatal Injury - P <sup>@</sup>  | 6       | Wet     | 6  | Snow   | 4  |
|       |       | Not Reported        | Not Reported                       | 1       | Other   | 1  | Sleet  | 1  |
|       |       |                     |                                    |         |         |    |        |    |
| Total | 137   |                     |                                    |         |         |    |        |    |



Map not to Scale



|   |                         |
|---|-------------------------|
| — | Major Roads             |
| — | Minor Roads             |
| ● | Property Damage Crashes |
| ● | Injury Crashes          |
| ● | Top 3 Crash Locations   |
| ● | Fatal Crash             |

### TOP CRASH LOCATIONS IN TOWN:

1. The Intersection of Westfield Road (Route 20), Main Street and West Main Street  
(Total Crashes – 4, EPDO\* - 12)
2. The Intersection of Westfield Road (Route 20) and Woronoco Road  
(Total Crashes – 3, EPDO\* - 11)
3. The Intersection of Blandford Stage Road and Upper Moss Hill Road  
(Total Crashes – 3, EPDO\* - 7)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Russell experienced a total of 137 crashes within the calendar years of 2012 to 2014.
- A total of 61 crashes occurred along the Massachusetts Turnpike Interstate I-90. There was one fatal crash reported in the year 2013.
- Almost 70% of the total crashes are single vehicle collisions with other objects.
- Collisions of motor vehicles with guardrails resulted in 35 crashes.

**FIRST HARMFUL EVENT**

|   |            |
|---|------------|
| Collision with motor vehicle in traffic | 43         |
| Collision with guardrail                | 35         |
| Collision with animal - deer            | 16         |
| Collision with tree                     | 10         |
| Not reported                            | 8          |
| Collision with median barrier           | 6          |
| Collision with ditch                    | 4          |
| Collision with other                    | 3          |
| Collision with curb                     | 2          |
| Collision with utility pole             | 6          |
| Collision with bridge                   | 2          |
| Collision with other movable object     | 1          |
| Jackknife                               | 1          |
| <b>Total</b>                            | <b>137</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |           |
|--|-----------|
| No improper driving  | 35        |
| Driving too fast for conditions or speeding                                      | 25        |
| Failure to keep in proper lane or running off road                               | 11        |
| Fatigue, Illness or Physical Impairment  | 6         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 6         |
| Unknown  | 5         |
| Disregarded traffic signs, signals, road markings                                | 1         |
| Distracted or Inattention  | 1         |
| Operating defective equipment  | 1         |
| Other improper action  | 1         |
| Over correcting or over steering   | 1         |
| Glare or obstructed visibility   | 1         |
| <b>Total</b>   | <b>94</b> |

**AMBIENT LIGHT**

|                                 |            |
|---------------------------------|------------|
| Daylight                        | 85         |
| Dark - roadway not lighted      | 34         |
| Dark - lighted roadway          | 9          |
| Dawn                            | 6          |
| Dark - unknown roadway lighting | 2          |
| Dusk                            | 1          |
| <b>Total</b>                    | <b>137</b> |

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 116        |
| T-intersection        | 11         |
| Driveway              | 3          |
| Four-way intersection | 3          |
| Not reported          | 3          |
| Y-intersection        | 1          |
| <b>Total</b>          | <b>137</b> |

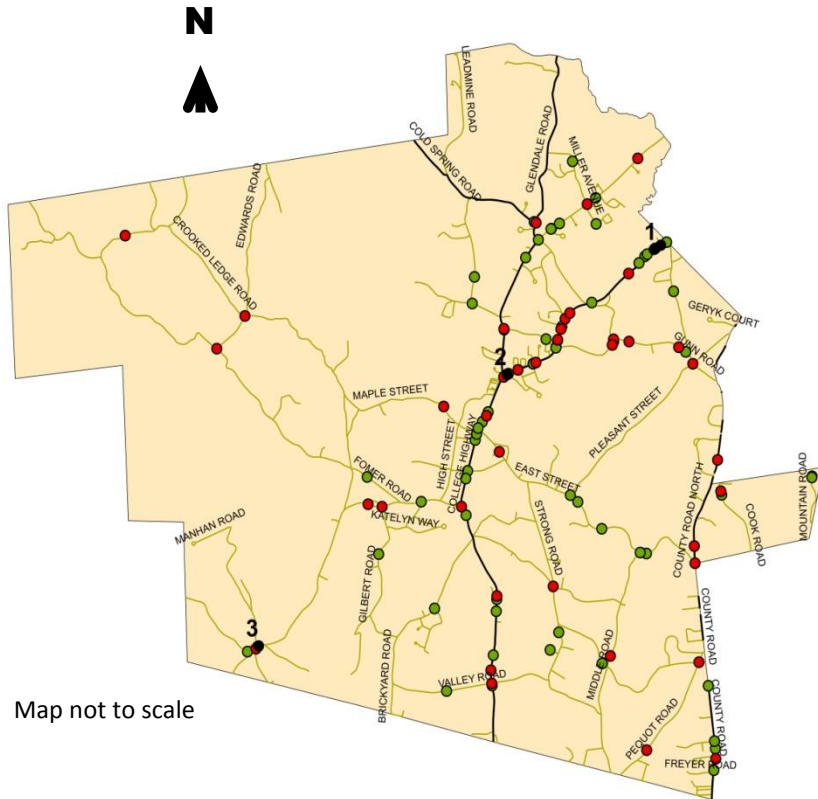
**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Interstate                                       | 55         |
| Rural minor arterial or urban principal arterial | 28         |
| Urban minor arterial or rural major collector    | 23         |
| Unknown  | 19         |
| Local  | 10         |
| Urban collector or rural minor collector         | 2          |
| <b>Total</b>                                     | <b>137</b> |

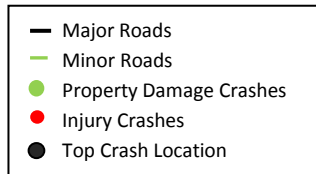
# Pioneer Valley SafetyCompass

## SOUTHAMPTON (2012 – 2014)

### TOWN CRASH PROFILE



Map not to scale



| Year  | Total | Manner of Collision | Severity | Roadway                            | Weather |       |    |        |    |
|-------|-------|---------------------|----------|------------------------------------|---------|-------|----|--------|----|
| 2012  | 44    | Angle               | 7        | Fatal Injury                       | 0       | Dry   | 25 | Clear  | 19 |
|       |       | Head On             | 1        | No injury                          | 28      | Ice   | 5  | Cloudy | 13 |
|       |       | Rear End            | 7        | Non-fatal injury - I <sup>\$</sup> | 0       | Snow  | 3  | Snow   | 2  |
|       |       | Side Swipe          | 4        | Non-fatal injury - NC <sup>^</sup> | 9       | Wet   | 9  | Rain   | 7  |
|       |       | Single Vehicle      | 25       | Non-fatal Injury - P <sup>@</sup>  | 7       | Sand  | 0  | NR*    | 2  |
|       |       | Not Reported        | 0        | Not Reported                       | 0       | Other | 2  | Sleet  | 1  |
|       |       |                     |          |                                    |         |       |    |        |    |
| 2013  | 51    | Angle               | 4        | Fatal Injury                       | 0       | Dry   | 34 | Clear  | 33 |
|       |       | Head On             | 1        | No injury                          | 32      | Ice   | 3  | Cloudy | 8  |
|       |       | Rear End            | 11       | Non-fatal injury - I <sup>\$</sup> | 1       | Sand  | 1  | NR*    | 0  |
|       |       | Side Swipe          | 3        | Non-fatal injury - NC <sup>^</sup> | 12      | Wet   | 5  | Rain   | 4  |
|       |       | Single Vehicle      | 30       | Non-fatal Injury - P <sup>@</sup>  | 6       | Snow  | 6  | Snow   | 5  |
|       |       | Not Reported        | 2        | Not Reported                       | 0       | Other | 2  | Sleet  | 1  |
|       |       |                     |          |                                    |         |       |    |        |    |
| 2014  | 52    | Angle               | 11       | Fatal Injury                       | 0       | Dry   | 29 | Clear  | 26 |
|       |       | Head On             | 3        | No injury                          | 33      | Ice   | 4  | Cloudy | 14 |
|       |       | Rear End            | 5        | Non-fatal injury - I <sup>\$</sup> | 0       | Sand  | 1  | NR*    | 0  |
|       |       | Side Swipe          | 7        | Non-fatal injury - NC <sup>^</sup> | 11      | Snow  | 7  | Rain   | 4  |
|       |       | Single Vehicle      | 26       | Non-fatal Injury - P <sup>@</sup>  | 6       | Wet   | 10 | Snow   | 6  |
|       |       | Not Reported        | 0        | Not Reported                       | 2       | Other | 1  | Sleet  | 2  |
|       |       |                     |          |                                    |         |       |    |        |    |
| Total | 147   |                     |          |                                    |         |       |    |        |    |

### TOP 3 CRASH LOCATIONS IN TOWN:

1. College Highway (Route 10) in the vicinity of the Big Y Dropping Plaza  
(Crashes: 6, EPDO\*: 22)
2. The Intersection of College Highway (Route 10) and Pomeroy Meadow Road  
(Crashes: 4, EPDO\*: 12)
3. The Intersection of Russellville Road and Manhan Road  
(Crashes: 2, EPDO\*: 10)

\*Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Southampton experienced a total of 147 crashes within the calendar years of 2012 to 2014.
- There was an increase in the total number of crashes within the Town every year within the analysis period.
- There were 3 crashes involving pedestrians and 2 crashes involving pedalcyclists\* (unicycle, bicycle, tricycle, and pedal car) the analysis period.
- More than half (55%) of the total crashes are single vehicle collisions with other objects.
- Collisions of motor vehicles with light poles, trees, and deer resulted in a total of 47 crashes.

**FIRST HARMFUL EVENT**

|   |            |
|---|------------|
| Collision with motor vehicle in traffic               | 55         |
| Collision with other light pole or other post/support | 19         |
| Collision with tree                                   | 15         |
| Collision with animal - deer                          | 13         |
| Collision with embankment                             | 10         |
| Collision with guardrail                              | 7          |
| Collision with parked motor vehicle                   | 5          |
| Overturn/rollover                                     | 5          |
| Collision with unknown fixed object                   | 4          |
| Collision with pedestrian                             | 3          |
| Unknown   | 3          |
| Collision with bridge                                 | 2          |
| Collision with curb                                   | 2          |
| Collision with pedalcycle                             | 2          |
| Collision with ditch                                  | 1          |
| Collision with other movable object                   | 1          |
| <b>Total</b>  | <b>147</b> |

**ROADWAY CLASSIFICATION**

|   |            |
|---|------------|
| Urban minor arterial or rural major collector | 73         |
| Local   | 42         |
| Urban collector or rural minor collector      | 17         |
| Unknown                                       | 15         |
| <b>Total</b>                                  | <b>147</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |           |
|--|-----------|
| No improper driving  | 37        |
| Unknown  | 10        |
| Distracted or Inattention  | 9         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 7         |
| Driving too fast for conditions or speeding                                      | 4         |
| Fatigue, Illness or Physical Impairment  | 4         |
| Over correcting or over steering   | 3         |
| Other improper action  | 2         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 2         |
| Disregarded traffic signs, signals, road markings                                | 1         |
| Failure to keep in proper lane or running off road                               | 1         |
| Operating defective equipment  | 1         |
| <b>Total</b>   | <b>81</b> |

**LOCATION OF CRASHES**

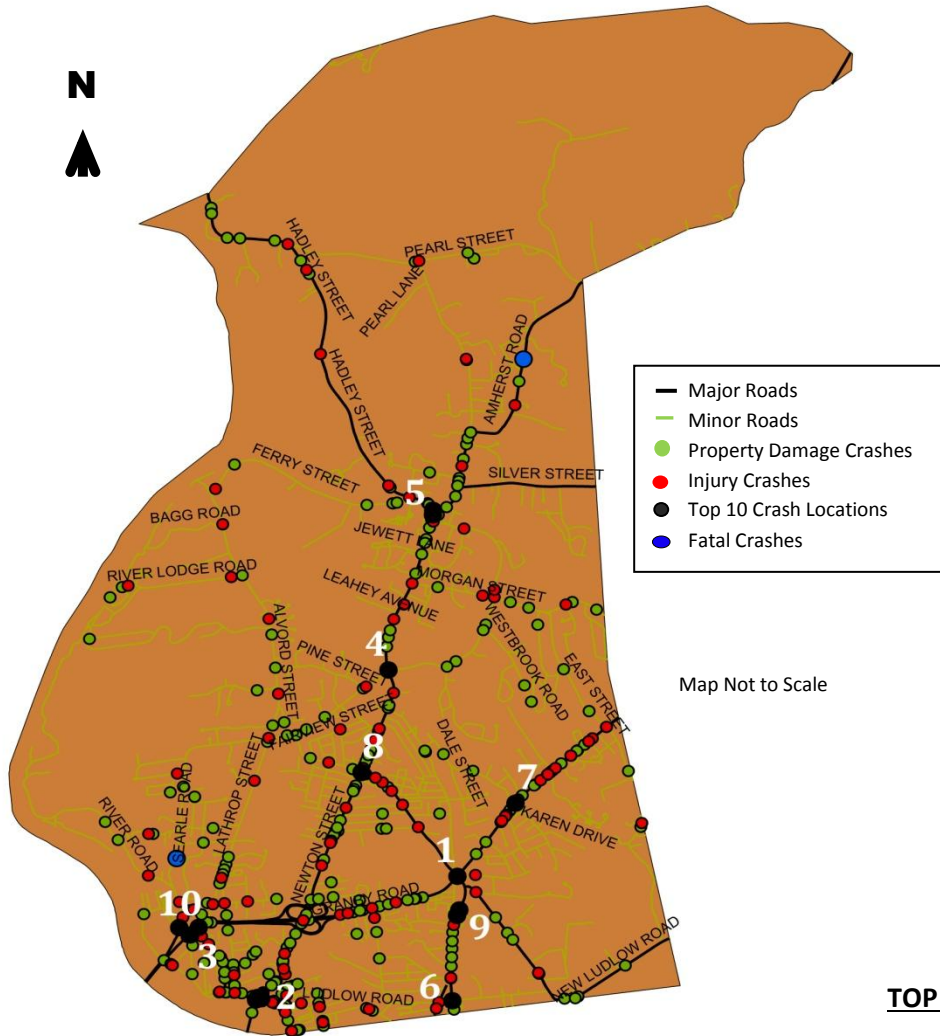
|                       |            |
|-----------------------|------------|
| Not at junction       | 107        |
| T-intersection        | 18         |
| Four-way intersection | 9          |
| Y-intersection        | 6          |
| Driveway              | 5          |
| Not reported          | 1          |
| Unknown               | 1          |
| <b>Total</b>          | <b>147</b> |

**AMBIENT LIGHT**

|                                 |            |
|---------------------------------|------------|
| Daylight                        | 98         |
| Dark - lighted roadway          | 20         |
| Dark - roadway not lighted      | 20         |
| Dark - unknown roadway lighting | 5          |
| Dusk                            | 3          |
| Dawn                            | 1          |
| <b>Total</b>                    | <b>147</b> |

# Pioneer Valley SafetyCompass

## SOUTH HADLEY (2012 – 2014)



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision | Severity | Roadway  |     |       |     |
|-------|-------|---------------------|----------|--|-----|-------|-----|
| 2012  | 261   | Angle               | 39       | Fatal  | 1   | Dry   | 173 |
|       |       | Head On             | 9        | No injury  | 173 | Ice   | 9   |
|       |       | Rear End            | 87       | Non-fatal injury – I <sup>§</sup>                | 0   | Snow  | 11  |
|       |       | Side Swipe          | 52       | Non-fatal injury – NC <sup>^</sup>               | 21  | Wet   | 63  |
|       |       | Single Vehicle      | 64       | Non-fatal injury – P <sup>@</sup>                | 43  | Sand  | 2   |
|       |       | Not Reported        | 10       | Not reported                                     | 23  | Other | 3   |
| 2013  | 241   | Angle               | 40       | Fatal  | 0   | Dry   | 171 |
|       |       | Head On             | 12       | No injury  | 165 | Ice   | 11  |
|       |       | Rear End            | 78       | Non-fatal injury – I <sup>§</sup>                | 3   | Snow  | 8   |
|       |       | Side Swipe          | 45       | Non-fatal injury – NC <sup>^</sup>               | 10  | Wet   | 46  |
|       |       | Single Vehicle      | 59       | Non-fatal injury – P <sup>@</sup>                | 38  | Sand  | 2   |
|       |       | Not Reported        | 7        | Not reported                                     | 25  | Other | 3   |
| 2014  | 246   | Angle               | 31       | Fatal  | 1   | Dry   | 162 |
|       |       | Head On             | 9        | No injury  | 159 | Ice   | 11  |
|       |       | Rear End            | 101      | Non-fatal injury – I <sup>§</sup>                | 5   | Snow  | 14  |
|       |       | Side Swipe          | 36       | Non-fatal injury – NC <sup>^</sup>               | 27  | Wet   | 55  |
|       |       | Single Vehicle      | 68       | Non-fatal injury – P <sup>@</sup>                | 32  | Sand  | 2   |
|       |       | Not Reported        | 1        | Not reported                                     | 22  | Other | 2   |
| Total | 748   |                     |          | ^ Non Incapacitating @ Possible § Incapacitating |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location  | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|--|---------|-------|------|---|---------|-------|
| 1    | Granby Road, Lyman Street, and Willimansett Street                           | 35      | 71    | 6    | Memorial Drive and Abbey Street   | 13      | 25    |
| 2    | Bridge Street and Main Street  | 20      | 48    | 7    | Granby Road, Ridge Road, and Sunset Avenue                                    | 9       | 25    |
| 3    | Purple Heart Drive Rotary and North Main Street on Ramp in southeastern side | 17      | 41    | 8    | Newton Street and Lyman Street  | 16      | 24    |
| 4    | College Street, Newton Street, Brainerd Street, Mosier Street                | 18      | 38    | 9    | Willimansett Street in the vicinity of Big Y Plaza                            | 6       | 22    |
| 5    | College Street and Hadley Street   | 16      | 28    | 10   | Purple Heart Drive Rotary section in the vicinity of off ramp towards Holyoke | 8       | 20    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 748 crashes in the Town of South Hadley within the calendar years of 2012 to 2014.
- Around 35% of the total crashes were rear end type, followed by single vehicle (25%), and angle (15%) type crashes.
- A total of 7 out of the top 10 crash locations in the Town are signalized intersections.
- Approximately 18% of the drivers involved in the single vehicle crashes were found to be driving in reckless or aggressive manner.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 435        |
| Four-way intersection | 126        |
| T-intersection        | 97         |
| Traffic circle        | 50         |
| Driveway              | 15         |
| Off-ramp              | 10         |
| On-ramp               | 8          |
| Y-intersection        | 5          |
| Unknown               | 2          |
| <b>Total</b>          | <b>748</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Rural minor arterial or urban principal arterial | 365        |
| Unknown  | 123        |
| Local  | 120        |
| Urban collector or rural minor collector         | 85         |
| Urban minor arterial or rural major collector    | 55         |
| <b>Total</b>                                     | <b>748</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedalcyclist* | 6         |
| Pedestrian    | 5         |
| Wheelchair    | 2         |
| <b>Total</b>  | <b>13</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 48         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 34         |
| Driving too fast for conditions or speeding                                      | 24         |
| Unknown  | 23         |
| Failure to keep in proper lane or running off road                               | 15         |
| Distracted or Inattention  | 14         |
| Fatigue, Illness or Physical Impairment  | 11         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 8          |
| Over correcting or over steering   | 5          |
| Other improper action  | 3          |
| Failed to yield right of way   | 2          |
| Operating defective equipment  | 2          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Made an improper turn  | 1          |
| <b>Total</b>   | <b>191</b> |

# Pioneer Valley SafetyCompass

## SOUTHWICK (2012 – 2014)

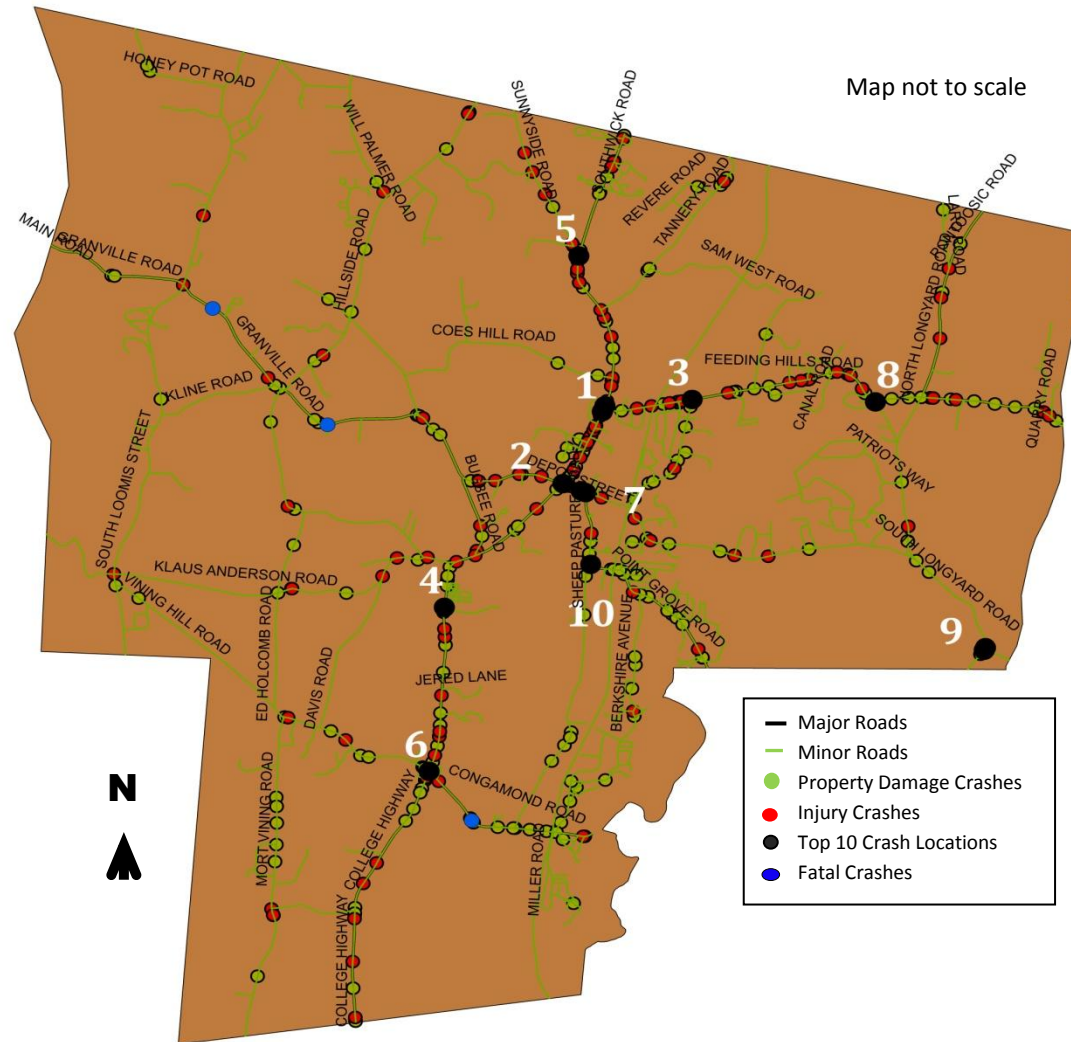
### TOWN CRASH PROFILE

| Year         | Total      | Manner of Collision                               | Severity |                                    | Roadway |       |     |
|--------------|------------|---|----------|------------------------------------|---------|-------|-----|
| 2012         | 179        | Angle   | 32       | Fatal                              | 1       | Dry   | 146 |
|              |            | Head On   | 9        | No injury                          | 120     | Ice   | 2   |
|              |            | Rear End  | 32       | Non-fatal injury – I <sup>\$</sup> | 5       | Snow  | 6   |
|              |            | Side Swipe  | 23       | Non-fatal injury – NC <sup>^</sup> | 21      | Wet   | 24  |
|              |            | Single Vehicle                                    | 80       | Non-fatal injury – P <sup>@</sup>  | 21      | Other | 1   |
|              |            | Not Reported                                      | 3        | Not reported                       | 11      |       |     |
| 2013         | 154        | Angle   | 26       | Fatal                              | 1       | Dry   | 103 |
|              |            | Head On   | 6        | No injury                          | 100     | Ice   | 4   |
|              |            | Rear End  | 37       | Non-fatal injury – I <sup>\$</sup> | 4       | Snow  | 12  |
|              |            | Side Swipe  | 16       | Non-fatal injury – NC <sup>^</sup> | 22      | Wet   | 32  |
|              |            | Single Vehicle                                    | 68       | Non-fatal injury – P <sup>@</sup>  | 19      | Sand  | 1   |
|              |            | Not Reported                                      | 1        | Not reported                       | 8       | Other | 2   |
| 2014         | 144        | Angle   | 29       | Fatal                              | 1       | Dry   | 88  |
|              |            | Head On   | 8        | No injury                          | 92      | Ice   | 3   |
|              |            | Rear End  | 38       | Non-fatal injury – I <sup>\$</sup> | 1       | Snow  | 19  |
|              |            | Side Swipe  | 14       | Non-fatal injury – NC <sup>^</sup> | 22      | Wet   | 26  |
|              |            | Single Vehicle                                    | 54       | Non-fatal injury – P <sup>@</sup>  | 24      | Sand  | 5   |
|              |            | Not Reported                                      | 1        | Not reported                       | 4       | Other | 3   |
| <b>Total</b> | <b>477</b> | ^ Non Incapacitating @ Possible \$ Incapacitating |          |                                    |         |       |     |

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location                             | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | College Highway and Feeding Hills Road            | 32      | 44    | 6    | College Highway, Congamond Road, and Vining Hill Road                           | 15      | 19    |
| 2    | College Highway, Granville Road, and Depot Street | 13      | 29    | 7    | Depot Street in the vicinity of Southwick Police/Fire Departments and Depot Ct. | 9       | 17    |
| 3    | Feeding Hills Road and Powder Mill Road           | 6       | 22    | 8    | Feeding Hills Road, Matthews Road, and Buckingham Drive                         | 4       | 16    |
| 4    | College Highway and Industrial Road               | 9       | 21    | 9    | South Longyard Road and Rising Corners Road                                     | 4       | 16    |
| 5    | College Highway and Sunnyside Road                | 12      | 20    | 10   | Point Grove Road and Sheep Pasture Road   | 3       | 15    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)





**KEY FINDINGS:**

- There were a total of 477 crashes in the Town within the calendar years of 2012 to 2014.
- More than 42% of the total crashes were Single Vehicle Crashes, followed by Rear End (22.4%) and angle type crashes (18.2%).
- The total number of crashes has decreased within the 3 years of analysis period.
- There were a total of 3 fatal crashes within the 3 years.
- A vast majority of the crashes (66.2%) in the Town occurred at locations other than intersections.
- More crashes occurred at 3-way intersections (15.3%) and driveways (11.3%) compared to 4-way intersections (4.8%).

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 316        |
| T-intersection        | 73         |
| Driveway              | 54         |
| Four-way intersection | 23         |
| Y-intersection        | 10         |
| Unknown               | 1          |
| <b>Grand Total</b>    | <b>477</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |          |
|---------------|----------|
| Pedestrian    | 6        |
| Pedalcyclist* | 2        |
| <b>Total</b>  | <b>8</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Rural or urban principal arterial                | 191        |
| Rural minor arterial or urban principal arterial | 89         |
| Urban collector or rural minor collector         | 64         |
| Local  | 60         |
| Urban minor arterial or rural major collector    | 60         |
| Unknown  | 13         |
| <b>Grand Total</b>                               | <b>477</b> |

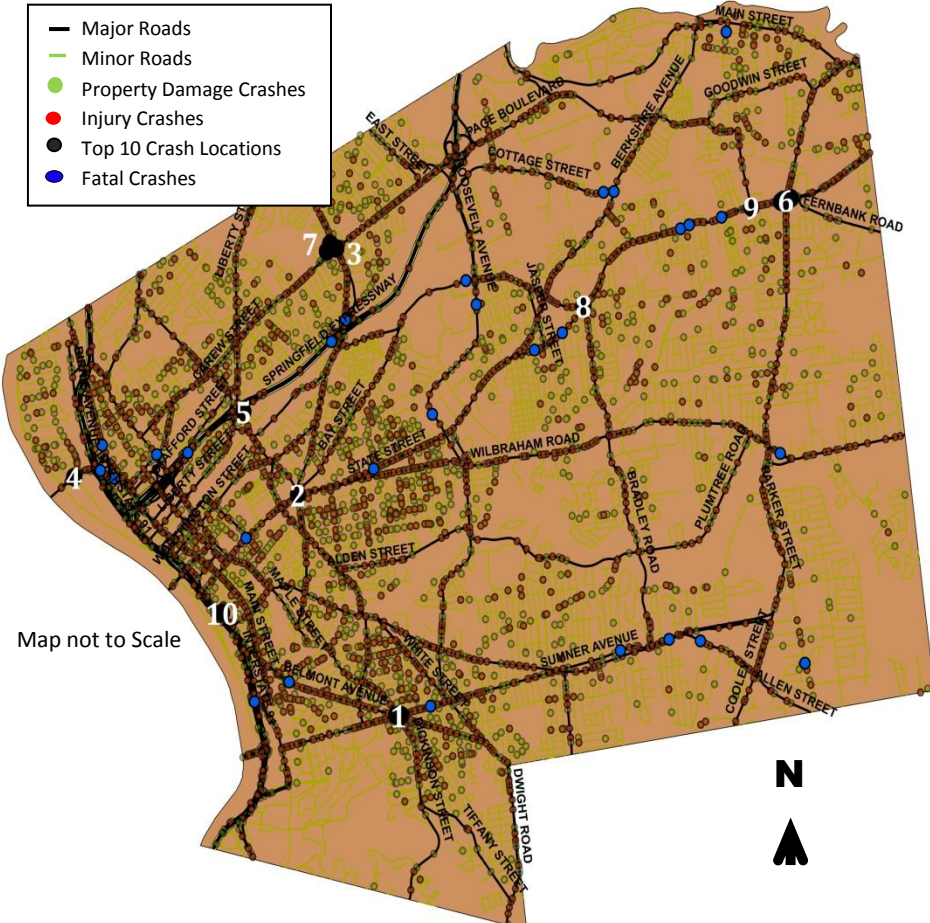
**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 58         |
| Failure to keep in proper lane or running off road                               | 27         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 25         |
| Driving too fast for conditions or speeding                                      | 24         |
| Distracted or Inattention  | 21         |
| Fatigue, Illness or Physical Impairment  | 13         |
| Unknown  | 11         |
| Over correcting or over steering   | 6          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 5          |
| Other improper action  | 4          |
| Operating defective equipment  | 3          |
| Glare or obstructed visibility   | 3          |
| Disregarded traffic signs, signals, road markings                                | 1          |
| Followed too closely   | 1          |
| <b>Total</b>   | <b>202</b> |

# Pioneer Valley SafetyCompass

## SPRINGFIELD (2012 – 2014)

- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top 10 Crash Locations
- Fatal Crashes



### CITY CRASH PROFILE

| Year           | Total | Manner of Collision | Severity | Roadway   |      |       |      |
|----------------|-------|---------------------|----------|---|------|-------|------|
| 2012           | 4501  | Angle               | 1786     | Fatal   | 9    | Dry   | 3464 |
|                |       | Head On             | 138      | No injury   | 2471 | Ice   | 47   |
|                |       | Rear End            | 1307     | Non-fatal injury – I <sup>\$</sup>                | 248  | Snow  | 116  |
|                |       | Side Swipe          | 420      | Non-fatal injury – NC <sup>^</sup>                | 674  | Wet   | 841  |
|                |       | Single Vehicle      | 790      | Non-fatal injury – P <sup>@</sup>                 | 796  | Slush | 12   |
|                |       | Not Reported        | 60       | Not reported                                      | 303  | Other | 21   |
|                |       | 2013                | 4330     | Angle   | 1700 | Fatal | 10   |
| Head On        | 124   |                     |          | No injury   | 2445 | Ice   | 81   |
| Rear End       | 1177  |                     |          | Non-fatal injury – I <sup>\$</sup>                | 191  | Snow  | 162  |
| Side Swipe     | 414   |                     |          | Non-fatal injury – NC <sup>^</sup>                | 492  | Wet   | 847  |
| Single Vehicle | 850   |                     |          | Non-fatal injury – P <sup>@</sup>                 | 918  | Slush | 13   |
| Not Reported   | 65    |                     |          | Not reported                                      | 274  | Other | 11   |
| 2014           | 4139  |                     |          | Angle   | 1467 | Fatal | 10   |
|                |       | Head On             | 159      | No injury   | 2356 | Ice   | 118  |
|                |       | Rear End            | 1177     | Non-fatal injury – I <sup>\$</sup>                | 155  | Snow  | 212  |
|                |       | Side Swipe          | 492      | Non-fatal injury – NC <sup>^</sup>                | 521  | Wet   | 772  |
|                |       | Single Vehicle      | 794      | Non-fatal injury – P <sup>@</sup>                 | 845  | Slush | 53   |
|                |       | Not Reported        | 50       | Not reported                                      | 252  | Other | 21   |
|                |       | Total               | 12,970   | ^ Non Incapacitating @ Possible \$ Incapacitating |      |       |      |

### TOP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | Belmont Avenue, Sumner Avenue, Dickinson Street, and Ventura Street         | 122     | 298   | 6    | Boston Road (Route 20) and Parker Street                          | 73      | 185   |
| 2    | State Street, Bay Street, Oak Street, St. James Avenue, and Magazine Street | 85      | 261   | 7    | St. James Avenue, Carew Street, Beaven Street, and Detroit Street | 58      | 182   |
| 3    | St James Boulevard (Route 20A) and St. James Avenue                         | 71      | 207   | 8    | Boston Road, Bay Street, and Breckwood Boulevard                  | 58      | 167   |
| 4    | West Street (Route 20), Plainfield Street, and Avocado Street               | 86      | 198   | 9    | Boston Road, Pasco Road, Merrill Road, and Wrentham Road          | 53      | 165   |
| 5    | Armory Street Rotary in the Vicinity of I-291 eastbound on ramp             | 53      | 193   | 10   | East Columbus Avenue, Union Street, Wilcox Street                 | 63      | 159   |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 12,970 crashes in the City of Springfield within the calendar years of 2012 to 2014.
- The total number of reported crashes was observed to be decreasing every year within the analysis period.
- A total of 29 fatal crashes occurred in the City within this period.
- Approximately 38% of the total crashes were angle type, followed by rear end (28%), and single vehicle (19%) type crashes.
- Springfield experienced 640 non-motorist collisions within the analysis period which resulted in 9 pedestrian and 1 pedalcyclist\* fatalities.
- More than 13% of the single vehicle crashes involved a speeding motor vehicle.

**LOCATION OF CRASHES**

|                        |               |
|------------------------|---------------|
| Not at junction        | 5813          |
| Four-way intersection  | 2866          |
| T-intersection         | 2543          |
| Driveway               | 673           |
| Y-intersection         | 287           |
| On-ramp                | 252           |
| Off-ramp               | 249           |
| Unknown                | 114           |
| Five-point or more     | 106           |
| Traffic circle         | 52            |
| Not reported           | 12            |
| Railway grade crossing | 3             |
| <b>Total</b>           | <b>12,970</b> |

**ROADWAY CLASSIFICATION**

|  |               |
|--|---------------|
| Rural minor arterial or urban principal arterial | 4881          |
| Urban minor arterial or rural major collector    | 4196          |
| Local  | 1544          |
| Urban collector or rural minor collector         | 1137          |
| Interstate                                       | 980           |
| Unknown  | 229           |
| Ramp - Interstate                                | 3             |
| <b>Total</b>                                     | <b>12,970</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |            |
|---------------|------------|
| Pedestrian    | 412        |
| Pedalcyclist* | 199        |
| Other         | 29         |
| <b>Total</b>  | <b>640</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

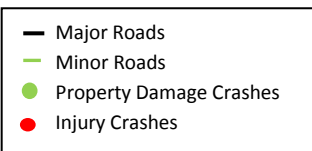
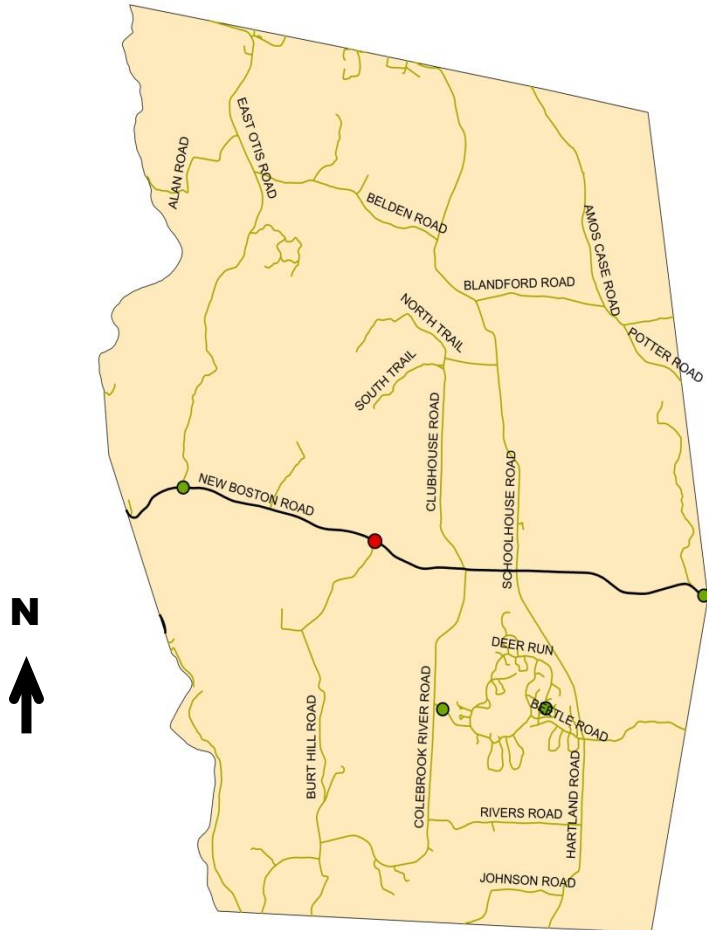
|  |             |
|--|-------------|
| No improper driving  | 701         |
| Unknown  | 576         |
| Driving too fast for conditions or speeding                                      | 296         |
| Fatigue, Illness or Physical Impairment  | 96          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 95          |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 87          |
| Other improper action  | 82          |
| Failure to keep in proper lane or running off road                               | 73          |
| Distracted, Emotional or Inattention   | 53          |
| Over correcting or over steering   | 37          |
| Glare or obstructed visibility   | 26          |
| Operating defective equipment  | 18          |
| Failed to yield right of way   | 15          |
| Made an improper turn  | 11          |
| Disregarded traffic signs, signals, road markings                                | 9           |
| Followed too closely   | 4           |
| Wrong side of the road   | 3           |
| <b>Total</b>   | <b>2182</b> |

# Pioneer Valley SafetyCompass

## TOLLAND (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision           | Severity   | Roadway | Weather |          |
|-------|-------|-------------------------------|--|---------|---------|----------|
| 2012  | 5     | Single Vehicle 5              | No injury  | 2       | Dry 4   | Clear 3  |
|       |       |                               | Non-fatal Injury - P <sup>@</sup>                                | 1       | Snow 1  | Snow 1   |
|       |       |                               | Not Reported   | 2       | Snow 1  | NR* 1    |
| 2013  | 3     | Single Vehicle 3              | No injury  | 1       | Dry 1   | Clear 1  |
|       |       |                               | Non-fatal injury - I <sup>\$</sup>                               | 1       | Snow 1  | Cloudy 1 |
|       |       |                               | Non-fatal Injury - P <sup>@</sup>                                | 1       | Sand 1  | NR* 1    |
| 2014  | 3     | Head-on 1<br>Single Vehicle 2 | No injury  | 1       | Dry 1   | Clear 3  |
|       |       |                               | Non-fatal injury - NC <sup>^</sup>                               | 1       | Snow 1  |          |
|       |       |                               | Not Reported   | 1       | Sand 1  |          |
| Total | 11    |                               | ^ Non Incapacitating @ Possible \$ Incapacitating * Not Reported |         |         |          |



Map not to scale

### CRASH LOCATIONS NOT SHOWN ON THE MAP DUE TO LACK OF DATA:

1. 3 crashes along New Boston Road (Route 57) could not be located.
2. 2 crashes along School House Road could not be located.
3. 1 crash along East Otis Road could not be located.

**KEY FINDINGS:**

- The Town of Tolland experienced a total of 11 crashes within the calendar years of 2012 to 2014.
- Six of those 11 crashes did not have adequate location data to be accurately geocoded in the map.
- One crash in the year 2013 resulted in an incapacitating injury, which was the maximum severity reported within the analysis period.
- A total of 3 crashes occurred during the hours of darkness.
- The Town did not experience any non-motorist crashes during the analysis period.
- A total of 5 crashes were a result of a collision of a motor vehicle with either a tree or a ditch.
- Only one crash reported within the analysis period was a result of a collision of 2 motor vehicles. The driver of one of the motor vehicles involved in the crash failed to maintain the vehicle in the proper lane resulting in the crash which caused a non-incapacitating injury.
- Speeding was reported as a factor in two of the crashes that occurred during the study period.

**FIRST HARMFUL EVENT SUMMARY**

|   |           |
|---|-----------|
| Collision with tree                     | 3         |
| Collision with ditch                    | 2         |
| Not Reported                            | 2         |
| Collision with motor vehicle in traffic | 1         |
| Collision with animal - deer            | 1         |
| Collision with guardrail                | 1         |
| Collision with light pole or other post | 1         |
| <b>Total</b>                            | <b>11</b> |

**DRIVER CONTRIBUTION CODES**

|   |           |
|---|-----------|
| No improper driving                         | 4         |
| Other improper action                       | 3         |
| Driving too fast for conditions or speeding | 2         |
| Unknown                                     | 1         |
| Failure to keep in proper lane              | 1         |
| <b>Total</b>                                | <b>11</b> |

**AMBIENT LIGHT**

|                            |           |
|----------------------------|-----------|
| Daylight                   | 8         |
| Dark - roadway not lighted | 3         |
| <b>Total</b>               | <b>11</b> |

**ROADWAY CLASSIFICATION**

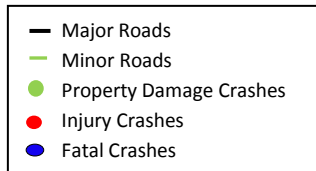
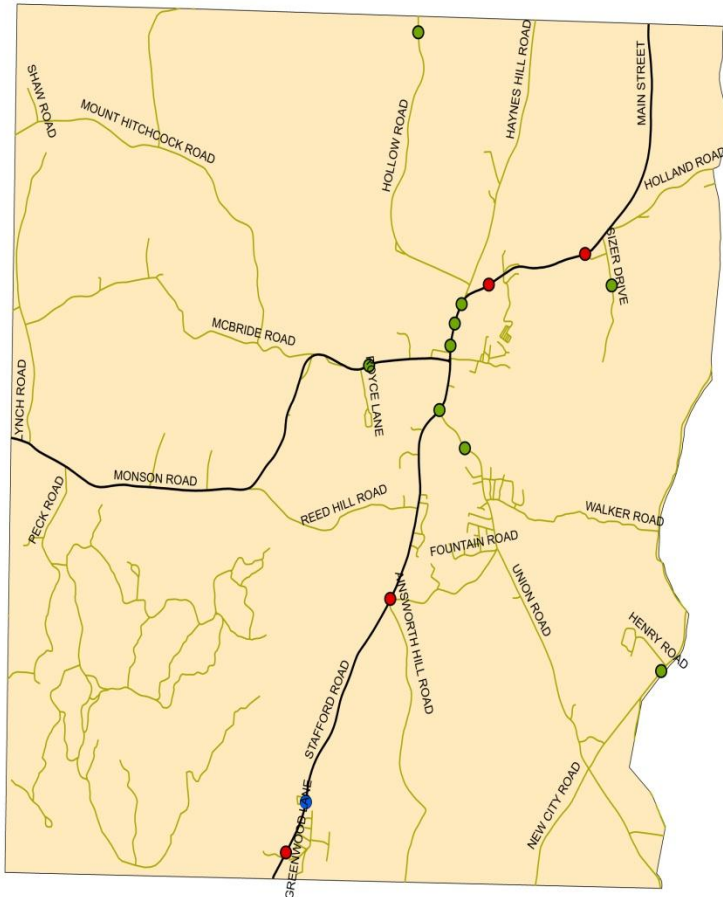
|  |           |
|--|-----------|
| Unknown  | 6         |
| Rural minor arterial or urban principal arterial | 3         |
| Local  | 2         |
| <b>Total</b>                                     | <b>11</b> |

# Pioneer Valley SafetyCompass

## WALES (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision                               | Severity                             | Roadway | Weather  |
|-------|-------|---|--------------------------------------|---------|----------|
| 2012  | 5     | Rear End 2  | Fatal Injury 1                       | Dry 4   | Clear 4  |
|       |       | Single Vehicle 3                                  | No injury 4                          | Snow 1  | Sleet 1  |
| 2013  | 7     | Head On 1   | No injury 6                          | Dry 6   | Clear 6  |
|       |       | Rear End 1  | Non-fatal injury - I <sup>\$</sup> 1 | Ice 1   | Cloudy 1 |
|       |       | Side Swipe 1                                      |                                      |         |          |
|       |       | Single Vehicle 4                                  |                                      |         |          |
| 2014  | 6     | Head On 1   | No injury 3                          | Dry 5   | Clear 5  |
|       |       | Single Vehicle 5                                  | Non-fatal injury - I <sup>\$</sup> 1 | Ice 1   | Sleet 1  |
|       |       |   | Non-fatal injury - NC <sup>^</sup> 1 |         |          |
|       |       |   | Non-fatal Injury - P <sup>@</sup> 1  |         |          |
| Total | 18    | ^ Non Incapacitating @ Possible \$ Incapacitating |                                      |         |          |



Map not to scale

### INJURY CRASH LOCATIONS IN TOWN:

1. Stafford Road (Route 19) south of its intersection with Cedar Lane.
2. The Intersection of Stafford Road (Route 19), Lake George Road, and Ainsworth Hill Road.
3. Main Street (Route 19) in the vicinity of Wales Market.
4. The Intersection of Main Street (Route 19) and Hegan Street.

## KEY FINDINGS:

- The Town of Wales experienced a total of 18 crashes within the calendar years of 2012 to 2014.
- In the year 2012, there were 2 crashes that involved non-motorists.
- One of the crashes along Stafford Road, north of its intersection with Ash Lane, involved a pedestrian and resulted in a fatality in the year 2012.
- Another non-motorist crash involved a collision between a motor vehicle and a wheelchair in which no injury was reported. Obstructed visibility of the motor vehicle driver was reported as a cause of that crash.
- In the year 2014, one of the 6 reported crashes resulted in an incapacitating injury because of a speeding motor vehicle.
- Collision with deer resulted in a total of 3 crashes within the analysis period.

## NON-MOTORIST CRASHES

|              |          |
|--------------|----------|
| Pedestrian   | 1        |
| Wheelchair   | 1        |
| <b>Total</b> | <b>2</b> |

## AMBIENT LIGHT

|                            |           |
|----------------------------|-----------|
| Daylight                   | 11        |
| Dark - roadway not lighted | 5         |
| Dawn                       | 2         |
| <b>Total</b>               | <b>18</b> |

## DRIVER CONTRIBUTION CODES

|  |           |
|--|-----------|
| No improper driving                          | 7         |
| Fatigue, Inattention, or Physical impairment | 3         |
| Driving too fast for conditions or speeding  | 2         |
| Followed too closely                         | 1         |
| Disregarded traffic control device           | 1         |
| Failed to yield                              | 1         |
| Visibility obstructed                        | 1         |
| Wrong side of the road                       | 1         |
| Unknown                                      | 1         |
| <b>Total</b>                                 | <b>18</b> |

## FIRST HARMFUL EVENT

|   |           |
|---|-----------|
| Collision with motor vehicle in traffic | 6         |
| Collision with animal - deer            | 3         |
| Unknown                                 | 3         |
| Collision with animal - other           | 2         |
| Collision with guardrail                | 2         |
| Collision with pedestrian               | 1         |
| Other                                   | 1         |
| <b>Total</b>                            | <b>18</b> |

## ROADWAY CLASSIFICATION

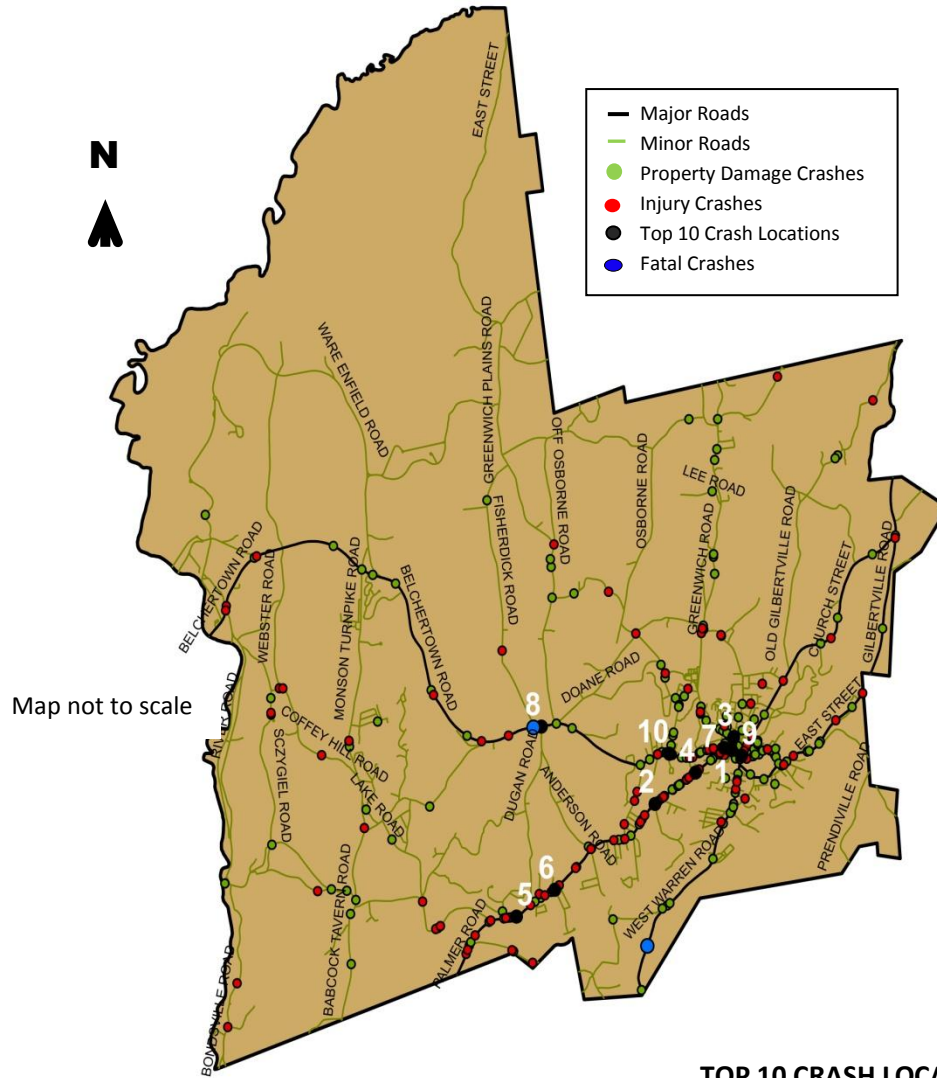
|   |           |
|---|-----------|
| Urban minor arterial or rural major collector | 10        |
| Urban collector or rural minor collector      | 4         |
| Unknown                                       | 3         |
| Local   | 1         |
| <b>Total</b>                                  | <b>18</b> |

## LOCATION OF CRASHES

|                 |           |
|-----------------|-----------|
| Not at junction | 16        |
| T-intersection  | 2         |
| <b>Total</b>    | <b>18</b> |

# Pioneer Valley SafetyCompass

## WARE (2012 – 2014)



### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision                              | Severity | Roadway                            |     |       |     |
|-------|-------|--|----------|------------------------------------|-----|-------|-----|
| 2012  | 196   | Angle  | 50       | Fatal                              | 0   | Dry   | 150 |
|       |       | Head On  | 6        | No injury                          | 118 | Ice   | 2   |
|       |       | Rear End   | 46       | Non-fatal injury – I <sup>§</sup>  | 3   | Snow  | 7   |
|       |       | Side Swipe                                       | 25       | Non-fatal injury – NC <sup>^</sup> | 20  | Wet   | 35  |
|       |       | Single Vehicle                                   | 66       | Non-fatal injury – P <sup>@</sup>  | 35  | Sand  | 1   |
|       |       | Not Reported                                     | 3        | Not reported                       | 20  | Other | 1   |
| 2013  | 188   | Angle  | 42       | Fatal                              | 1   | Dry   | 135 |
|       |       | Head On  | 7        | No injury                          | 122 | Ice   | 2   |
|       |       | Rear End   | 45       | Non-fatal injury – I <sup>§</sup>  | 6   | Snow  | 12  |
|       |       | Side Swipe                                       | 21       | Non-fatal injury – NC <sup>^</sup> | 18  | Wet   | 32  |
|       |       | Single Vehicle                                   | 71       | Non-fatal injury – P <sup>@</sup>  | 35  | Sand  | 3   |
|       |       | Not Reported                                     | 2        | Not reported                       | 6   | Other | 4   |
| 2014  | 197   | Angle  | 38       | Fatal                              | 1   | Dry   | 140 |
|       |       | Head On  | 5        | No injury                          | 142 | Ice   | 6   |
|       |       | Rear End   | 52       | Non-fatal injury – I <sup>§</sup>  | 3   | Snow  | 23  |
|       |       | Side Swipe                                       | 32       | Non-fatal injury – NC <sup>^</sup> | 18  | Wet   | 26  |
|       |       | Single Vehicle                                   | 65       | Non-fatal injury – P <sup>@</sup>  | 20  | Sand  | 0   |
|       |       | Not Reported                                     | 5        | Not reported                       | 13  | Other | 2   |
| Total | 581   | ^ Non Incapacitating @ Possible § Incapacitating |          |                                    |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location                                  | Crashes | EPDO* | Rank | Intersection/Location  | Crashes | EPDO* |
|------|--|---------|-------|------|--|---------|-------|
| 1    | Main Street and North Street                           | 20      | 48    | 6    | Palmer Road and Longview Avenue                                | 10      | 26    |
| 2    | West Street and Robbins Road                           | 15      | 43    | 7    | West Main Street and Parker Street                             | 11      | 23    |
| 3    | North Street and Pleasant Street                       | 23      | 35    | 8    | Belchertown Road and Anderson Road                             | 7       | 23    |
| 4    | West Street and Vernon Street                          | 14      | 34    | 9    | Main Street, East Main Street, South Street, and Church Street | 14      | 22    |
| 5    | Palmer Road (Between Juniper Hill Road and Dugan Road) | 8       | 28    | 10   | Belchertown Road and Eagle Street                              | 7       | 19    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)



**KEY FINDINGS:**

- There were a total of 581 crashes in the Town of Ware within the calendar years of 2012 to 2014.
- Approximately 34% of the total crashes were single vehicle type, followed by rear end (25%), and angle (22%) type crashes.
- A total of 10 crashes reported during the analysis period involved non-motorists and one of those crashes in the year 2013 resulted in an incapacitating injury to the pedestrian.
- There were a total of 2 fatal crashes within the 3 years.
- More than 64% of the crashes in the Town occurred at locations other than intersections.
- More crashes (18%) occurred at 3-way intersections compared to 4-way intersections (10%).
- Approximately 10% of the single vehicle crashes involved a distracted driver.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 373        |
| T-intersection        | 109        |
| Four-way intersection | 60         |
| Driveway              | 20         |
| Y-intersection        | 13         |
| Unknown               | 4          |
| Five-point or more    | 1          |
| Traffic circle        | 1          |
| <b>Total</b>          | <b>581</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 6         |
| Pedalcyclist* | 4         |
| <b>Total</b>  | <b>10</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

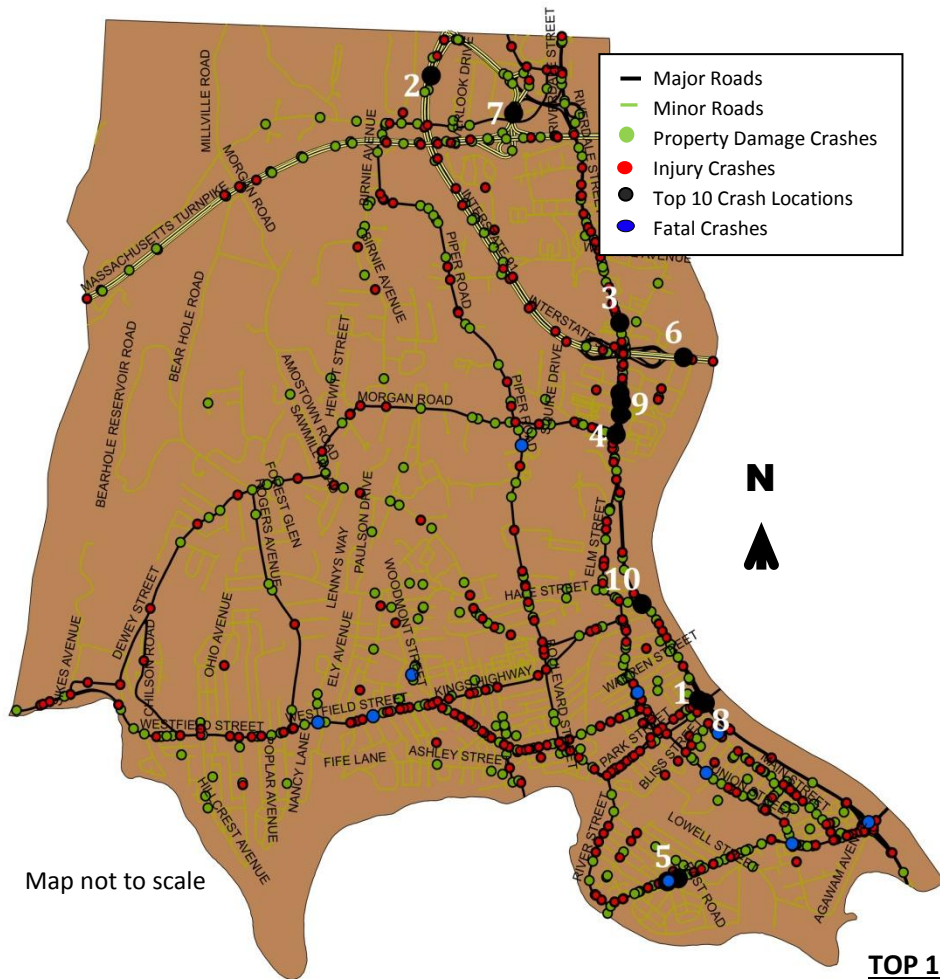
|  |            |
|--|------------|
| No improper driving  | 75         |
| Distracted or inattention  | 28         |
| Unknown  | 22         |
| Driving too fast for conditions or speeding                                      | 19         |
| Fatigue, Illness or Physical Impairment  | 19         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 12         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 8          |
| Other improper action  | 5          |
| Over correcting or over steering   | 5          |
| Failure to keep in proper lane or running off road                               | 4          |
| Operating defective equipment  | 2          |
| Glare or obstructed visibility   | 2          |
| Failed to yield the right of way   | 1          |
| <b>Total</b>   | <b>202</b> |

**ROADWAY CLASSIFICATION**

|  |            |
|--|------------|
| Unknown  | 137        |
| Rural minor arterial or urban principal arterial | 132        |
| Rural or urban principal arterial                | 106        |
| Urban collector or rural minor collector         | 82         |
| Local  | 79         |
| Urban minor arterial or rural major collector    | 45         |
| <b>Total</b>                                     | <b>581</b> |

# Pioneer Valley SafetyCompass

## WEST SPRINGFIELD (2012 – 2014)



### CITY CRASH PROFILE

| Year           | Total | Manner of Collision | Severity | Roadway   |     |           |     |     |     |
|----------------|-------|---------------------|----------|---|-----|-----------|-----|-----|-----|
| 2012           | 823   | Angle               | 172      | Fatal   | 4   | Dry       | 609 |     |     |
|                |       | Head On             | 20       | No injury   | 538 | Ice       | 14  |     |     |
|                |       | Rear End            | 277      | Non-fatal injury – I <sup>\$</sup>                | 8   | Snow      | 27  |     |     |
|                |       | Side Swipe          | 134      | Non-fatal injury – NC <sup>^</sup>                | 84  | Wet       | 163 |     |     |
|                |       | Single Vehicle      | 208      | Non-fatal injury – P <sup>@</sup>                 | 130 | Slush     | 3   |     |     |
|                |       | Not Reported        | 12       | Not reported                                      | 59  | Other     | 7   |     |     |
|                |       | 2013                | 727      | Angle   | 170 | Fatal     | 2   | Dry | 547 |
|                |       |                     |          | Head On   | 24  | No injury | 467 | Ice | 19  |
| Rear End       | 237   |                     |          | Non-fatal injury – I <sup>\$</sup>                | 14  | Snow      | 22  |     |     |
| Side Swipe     | 98    |                     |          | Non-fatal injury – NC <sup>^</sup>                | 84  | Wet       | 133 |     |     |
| Single Vehicle | 188   |                     |          | Non-fatal injury – P <sup>@</sup>                 | 126 | Slush     | 2   |     |     |
| Not Reported   | 10    |                     |          | Not reported                                      | 34  | Other     | 4   |     |     |
| 2014           | 662   |                     |          | Angle   | 140 | Fatal     | 4   | Dry | 485 |
|                |       |                     |          | Head On   | 14  | No injury | 449 | Ice | 16  |
|                |       | Rear End            | 213      | Non-fatal injury – I <sup>\$</sup>                | 13  | Snow      | 20  |     |     |
|                |       | Side Swipe          | 94       | Non-fatal injury – NC <sup>^</sup>                | 63  | Wet       | 130 |     |     |
|                |       | Single Vehicle      | 188      | Non-fatal injury – P <sup>@</sup>                 | 114 | Sand      | 5   |     |     |
|                |       | Not Reported        | 13       | Not reported                                      | 19  | Other     | 6   |     |     |
|                |       | Total               | 2212     | ^ Non Incapacitating @ Possible \$ Incapacitating |     |           |     |     |     |

### TOP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection/Location   | Crashes | EPDO* | Rank | Intersection/Location   | Crashes | EPDO* |
|------|---|---------|-------|------|---|---------|-------|
| 1    | North End Bridge Rotary in the vicinity of Route 5 south bound ramp | 86      | 142   | 6    | Interstate I-91 in the vicinity of Exit 13A                         | 32      | 68    |
| 2    | Interstate I-91 northbound in the vicinity of Exit 14 ramp          | 56      | 112   | 7    | I-91 Exit 14 and I-90 Exit 4 weaving section and ramps              | 42      | 66    |
| 3    | Riverdale Street (Route 5) and Ashley Avenue                        | 37      | 97    | 8    | North End Bridge Rotary in the vicinity of Route 5 north bound ramp | 33      | 65    |
| 4    | Riverdale Street (Route 5) and Morgan Road                          | 56      | 96    | 9    | Riverdale Street (Route 5) and Dagget Drive                         | 36      | 64    |
| 5    | Memorial Avenue, Norman Street, Exposition Terrace, and E Road      | 24      | 77    | 10   | Riverdale Street (Route 5) and East Elm Street                      | 23      | 63    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 2,212 crashes in the City of West Springfield within the calendar years of 2012 to 2014.
- The total number of reported crashes was observed to be decreasing every year within the analysis period.
- A total of 10 fatal crashes occurred in the City within this period.
- Approximately 33% of the total crashes were rear end type, followed by single vehicle (26%), and angle (22%) type crashes.
- West Springfield experienced 66 non-motorist collisions within the analysis period which resulted in 5 pedestrian fatalities.

**LOCATION OF CRASHES**

|                           |             |
|---------------------------|-------------|
| Not at junction           | 1062        |
| T-intersection            | 428         |
| Four-way intersection     | 304         |
| Off-ramp                  | 129         |
| Traffic circle            | 95          |
| Y-intersection            | 64          |
| On-ramp                   | 60          |
| Driveway                  | 39          |
| Unknown                   | 28          |
| Railway at-grade crossing | 2           |
| Five-point or more        | 1           |
| <b>Total</b>              | <b>2212</b> |

**TOTAL NON-MOTORIZED CRASHES**

|              |           |
|--------------|-----------|
| Pedestrian   | 39        |
| Pedalcyclist | 25        |
| Wheelchair   | 2         |
| <b>Total</b> | <b>66</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| No improper driving  | 174        |
| Unknown  | 108        |
| Driving too fast for conditions or speeding                                      | 85         |
| Distracted, Emotional or Inattention   | 57         |
| Other improper action  | 32         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 28         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 26         |
| Fatigue, Illness or Physical Impairment  | 23         |
| Failure to keep in proper lane or running off road                               | 19         |
| Over correcting or over steering   | 12         |
| Made an improper turn  | 6          |
| Disregarded traffic signs, signals, road markings                                | 4          |
| Failed to yield right of way   | 3          |
| Glare or obstructed visibility   | 3          |
| Followed too closely   | 2          |
| Operating defective equipment  | 1          |
| Wrong side of the road   | 1          |
| <b>Total</b>   | <b>584</b> |

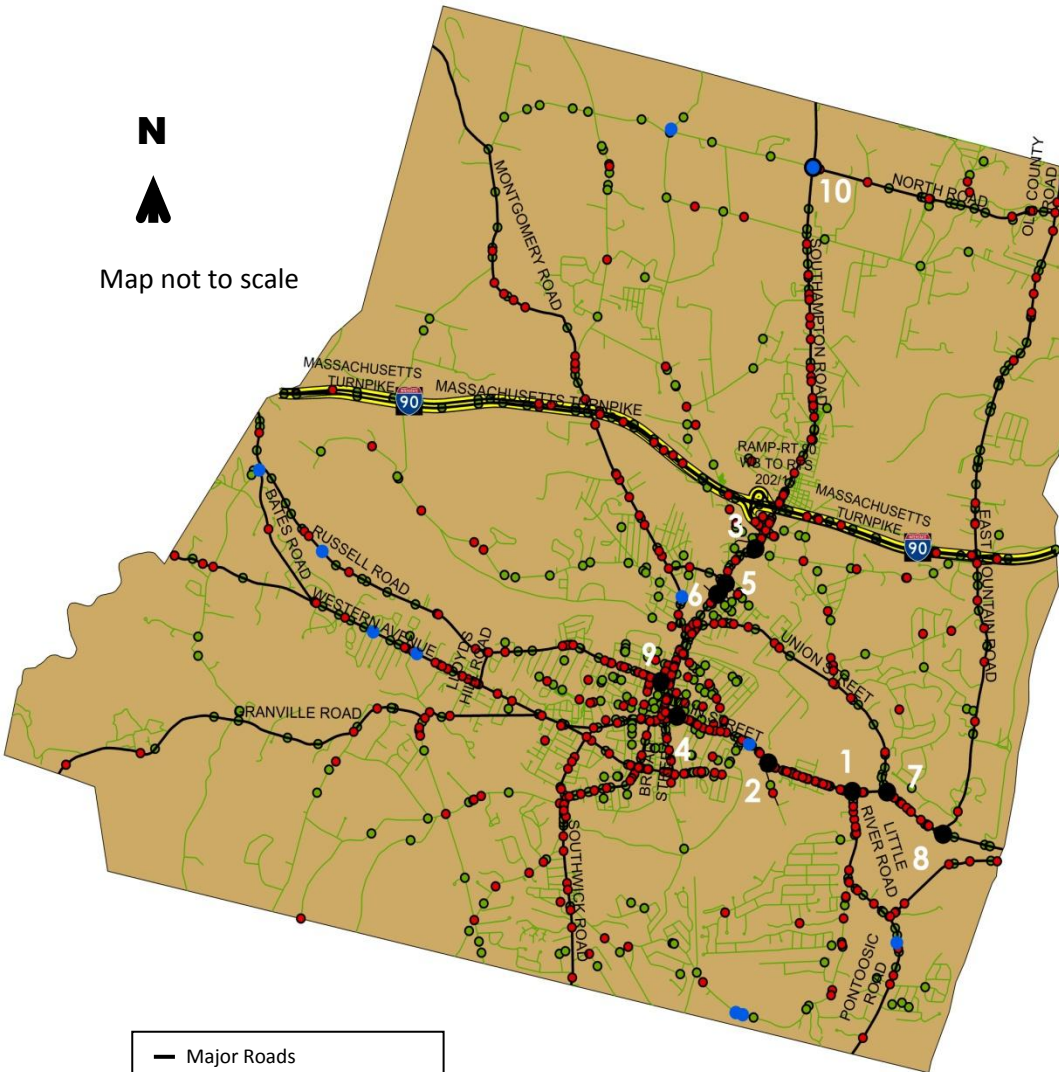
**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Rural minor arterial or urban principal arterial | 1006        |
| Urban minor arterial or rural major collector    | 455         |
| Interstate                                       | 411         |
| Local  | 155         |
| Urban collector or rural minor collector         | 102         |
| Unknown  | 83          |
| <b>Total</b>                                     | <b>2212</b> |

# Pioneer Valley SafetyCompass

## WESTFIELD (2012 – 2014)

N  
▲  
Map not to scale



- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top 10 Crash Locations
- Fatal Crashes

### CITY CRASH PROFILE

| Year  | Total | Manner of Collision                               | Severity | Roadway Condition                  |     |       |     |
|-------|-------|---|----------|------------------------------------|-----|-------|-----|
| 2012  | 778   | Angle   | 241      | Fatal                              | 5   | Dry   | 554 |
|       |       | Head On   | 24       | No injury                          | 483 | Ice   | 18  |
|       |       | Rear End  | 218      | Non-fatal injury – I <sup>\$</sup> | 21  | Snow  | 40  |
|       |       | Side Swipe  | 96       | Non-fatal injury – NC <sup>^</sup> | 144 | Wet   | 158 |
|       |       | Single Vehicle                                    | 187      | Non-fatal injury – P <sup>@</sup>  | 93  | Sand  | 2   |
|       |       | Not Reported                                      | 12       | Not reported                       | 32  | Other | 6   |
| 2013  | 735   | Angle   | 214      | Fatal                              | 5   | Dry   | 544 |
|       |       | Head On   | 32       | No injury                          | 492 | Ice   | 25  |
|       |       | Rear End  | 198      | Non-fatal injury – I <sup>\$</sup> | 14  | Snow  | 34  |
|       |       | Side Swipe  | 93       | Non-fatal injury – NC <sup>^</sup> | 124 | Wet   | 122 |
|       |       | Single Vehicle                                    | 189      | Non-fatal injury – P <sup>@</sup>  | 82  | Sand  | 4   |
|       |       | Not Reported                                      | 9        | Not reported                       | 18  | Other | 6   |
| 2014  | 623   | Angle   | 147      | Fatal                              | 2   | Dry   | 387 |
|       |       | Head On   | 29       | No injury                          | 423 | Ice   | 35  |
|       |       | Rear End  | 172      | Non-fatal injury – I <sup>\$</sup> | 11  | Snow  | 58  |
|       |       | Side Swipe  | 73       | Non-fatal injury – NC <sup>^</sup> | 107 | Wet   | 126 |
|       |       | Single Vehicle                                    | 193      | Non-fatal injury – P <sup>@</sup>  | 64  | Sand  | 9   |
|       |       | Not Reported                                      | 9        | Not reported                       | 16  | Other | 8   |
| Total | 2136  | ^ Non Incapacitating @ Possible \$ Incapacitating |          |                                    |     |       |     |

### TOP 10 CRASH LOCATIONS IN THE CITY

| Rank | Intersection                           | Crashes | EPDO* | Rank | Intersection                            | Crashes | EPDO* |
|------|--|---------|-------|------|---|---------|-------|
| 1    | East Main Street and Little River Road | 47      | 131   | 6    | North Elm Street and Harvard Street     | 32      | 60    |
| 2    | East Main Street and Main Line Drive   | 24      | 64    | 7    | Springfield Road and Union Street       | 28      | 60    |
| 3    | North Elm Street and Holyoke Road      | 24      | 64    | 8    | Springfield Road and East Mountain Road | 22      | 58    |
| 4    | Main Street and Free Street            | 20      | 64    | 9    | Franklin Street and Maple Street        | 24      | 56    |
| 5    | North Elm Street and Notre Dame Street | 33      | 61    | 10   | North Road and Southampton Road         | 14      | 55    |

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)

**KEY FINDINGS:**

- There were a total of 2136 crashes in the City within the calendar years of 2012 to 2014.
- The pattern of crashes was almost equally distributed between single vehicle (26%), rear end (27%), and angle (28%) type crashes.
- The total number of crashes has decreased within the 3 years of analysis period.
- There were a total of 12 fatal crashes within the 3 years. The number of fatal crashes reduced within the last year of the analysis period.
- Almost 18% of single vehicle crashes occurred because of speeding issues.
- More than 13% of the single vehicle crashes involved a distracted driver.
- More than half of the crashes in the City occurred at locations other than intersections.
- More crashes (26%) occurred at 3-way intersections compared to 4-way intersections (14%).

**LOCATION OF CRASHES**

|                       |             |
|-----------------------|-------------|
| Not at junction       | 1094        |
| T-intersection        | 503         |
| Four-way intersection | 290         |
| Driveway              | 118         |
| Y-intersection        | 49          |
| Traffic circle        | 28          |
| Unknown               | 23          |
| Off-ramp              | 15          |
| On-ramp               | 12          |
| Not reported          | 4           |
| <b>Grand Total</b>    | <b>2136</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 37        |
| Wheelchair    | 3         |
| Pedalcyclist* | 34        |
| <b>Total</b>  | <b>74</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

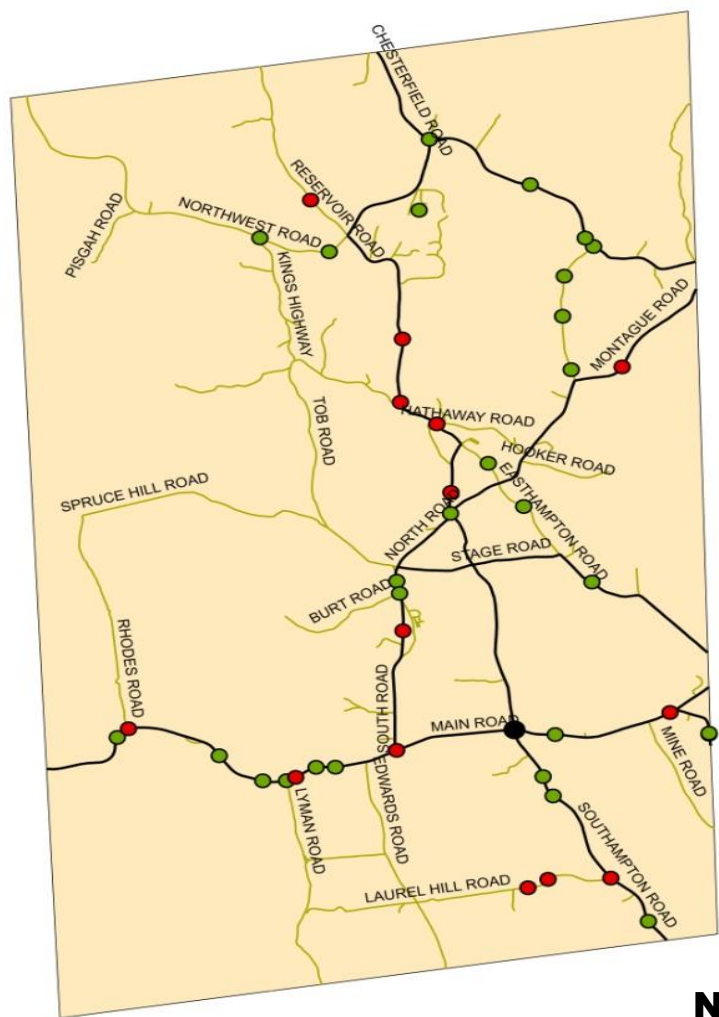
|  |            |
|--|------------|
| No improper driving  | 125        |
| Driving too fast for conditions or speeding                                      | 101        |
| Distracted or Inattention  | 76         |
| Failure to keep in lane or yield right of way                                    | 49         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 46         |
| Fatigue, Illness or Physical Impairment  | 44         |
| Unknown  | 40         |
| Over Correcting or Over Steering   | 24         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 23         |
| Glare or obstructed visibility   | 16         |
| Disregarded traffic signs, signals, road markings                                | 15         |
| Other improper action  | 4          |
| Operating defective equipment  | 3          |
| Driving Wrong Side of the Road   | 2          |
| Followed too closely   | 1          |
| <b>Total</b>   | <b>569</b> |

**ROADWAY CLASSIFICATION**

|  |             |
|--|-------------|
| Rural minor arterial or urban principal arterial | 601         |
| Rural or urban principal arterial                | 443         |
| Urban minor arterial or rural major collector    | 397         |
| Local  | 287         |
| Urban collector or rural minor collector         | 194         |
| Interstate                                       | 130         |
| Unknown  | 84          |
| <b>Grand Total</b>                               | <b>2136</b> |

# Pioneer Valley SafetyCompass

## WESTHAMPTON (2012 – 2014)



Map not to scale

- Major Roads
- Minor Roads
- Property Damage Crashes
- Injury Crashes
- Top Crash Location

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision   | Severity | Roadway Condition                  | Weather Condition |       |    |        |    |  |
|-------|-------|---|----------|------------------------------------|-------------------|-------|----|--------|----|--|
| 2012  | 20    | Angle   | 1        | No injury                          | 11                | Dry   | 12 | Clear  | 12 |  |
|       |       | Side Swipe  | 2        | Non-fatal injury - I <sup>§</sup>  | 2                 | Snow  | 2  | Cloudy | 2  |  |
|       |       | Single Vehicle  | 17       | Non-fatal injury - NC <sup>^</sup> | 3                 | Wet   | 2  | Snow   | 2  |  |
|       |       |   |          | Non-fatal Injury - P <sup>@</sup>  | 3                 | Sand  | 3  | Rain   | 1  |  |
|       |       |   |          | Not Reported                       | 1                 | Other | 1  | NR*    | 2  |  |
|       |       |   |          |                                    |                   |       |    | Sleet  | 1  |  |
| 2013  | 15    | Angle   | 1        | No injury                          | 9                 | Dry   | 8  | Clear  | 8  |  |
|       |       | Side Swipe  | 1        | Non-fatal injury - I <sup>§</sup>  | 1                 | Ice   | 2  | Cloudy | 3  |  |
|       |       | Single Vehicle  | 13       | Non-fatal injury - NC <sup>^</sup> | 2                 | Sand  | 2  | Rain   | 2  |  |
|       |       |   |          | Non-fatal Injury - P <sup>@</sup>  | 2                 | Wet   | 2  | Snow   | 2  |  |
|       |       |   |          | Not Reported                       | 1                 | Snow  | 1  |        |    |  |
| 2014  | 19    | Angle   | 3        | No injury                          | 16                | Dry   | 8  | Clear  | 10 |  |
|       |       | Head On   | 1        | Non-fatal injury - I <sup>§</sup>  | 1                 | Ice   | 2  | Cloudy | 2  |  |
|       |       | Side Swipe  | 1        | Non-fatal injury - NC <sup>^</sup> | 2                 | Snow  | 5  | NR*    | 1  |  |
|       |       | Single Vehicle  | 14       |                                    |                   | Wet   | 4  | Rain   | 2  |  |
|       |       |   |          |                                    |                   |       |    | Snow   | 4  |  |
| Total | 54    | ^ Non Incapacitating @ Possible § Incapacitating * Not Reported |          |                                    |                   |       |    |        |    |  |

### TOP CRASH LOCATION IN TOWN:

The intersection of Main Road (Route 66) and Southampton Road.

Total Crashes: 4, EPDO\* - 8

\*EPDO – Equivalent Property Damage Only

(Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Westhampton experienced a total of 54 crashes within the calendar years of 2012 to 2014.
- In the year 2012, there was a crash involving a wheelchair which resulted in a non-incapacitating injury along South Road between the two intersections of Cemetery Road.
- More than 81% (44 out of 54) of the total crashes are single vehicle collisions with other objects.
- Speeding was observed to be a leading cause for more than 31% of the single vehicle crashes.
- Collisions of motor vehicles with embankments and trees have resulted in a total of 20 crashes.

**AMBIENT LIGHT**

|                            |           |
|----------------------------|-----------|
| Daylight                   | 32        |
| Dark - roadway not lighted | 17        |
| Dark – lighted roadway     | 5         |
| <b>Total</b>               | <b>54</b> |

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with embankment                             | 10        |
| Collision with tree                                   | 10        |
| Collision with motor vehicle in traffic               | 9         |
| Collision with other                                  | 4         |
| Collision with animal - deer                          | 3         |
| Collision with unknown fixed object                   | 3         |
| Collision with utility pole                           | 3         |
| Collision with animal - other                         | 2         |
| Collision with ditch                                  | 2         |
| Collision with guardrail                              | 2         |
| Collision with other light pole or other post/support | 2         |
| Overturn/rollover                                     | 2         |
| Collision with other movable object                   | 1         |
| Not reported  | 1         |
| <b>Total</b>  | <b>54</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |           |
|--|-----------|
| Driving too fast for conditions or speeding                                      | 14        |
| No improper driving  | 9         |
| Distracted or inattention  | 5         |
| Failure to keep in proper lane or running off road                               | 4         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 3         |
| Unknown  | 3         |
| Fatigue, Illness or Physical Impairment  | 2         |
| Other improper action  | 2         |
| Operating defective equipment  | 1         |
| Glare or obstructed visibility   | 1         |
| <b>Total</b>   | <b>44</b> |

**LOCATION OF CRASHES**

|                       |           |
|-----------------------|-----------|
| Not at junction       | 45        |
| Four-way intersection | 4         |
| T-intersection        | 4         |
| Y-intersection        | 1         |
| <b>Total</b>          | <b>54</b> |

**ROADWAY CLASSIFICATION**

|   |           |
|---|-----------|
| Urban minor arterial or rural major collector | 34        |
| Local   | 9         |
| Unknown                                       | 9         |
| Urban collector or rural minor collector      | 2         |
| <b>Total</b>                                  | <b>54</b> |

# Pioneer Valley SafetyCompass

## WILBRAHAM (2012 – 2014)

### TOWN CRASH PROFILE

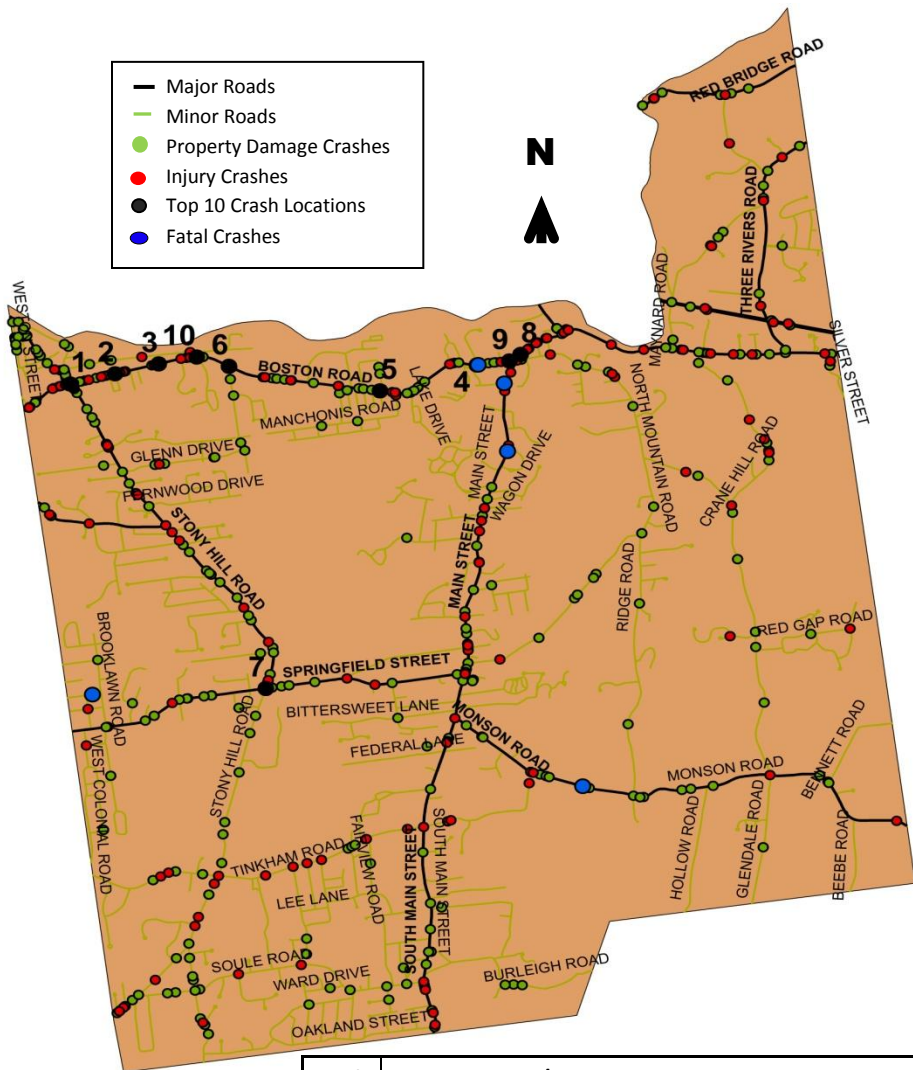
| Year  | Total | Manner of Collision | Severity | Roadway                            |     |       |     |
|-------|-------|---------------------|----------|------------------------------------|-----|-------|-----|
| 2012  | 317   | Angle               | 85       | Fatal                              | 3   | Dry   | 251 |
|       |       | Head On             | 3        | No injury                          | 228 | Ice   | 3   |
|       |       | Rear End            | 109      | Non-fatal injury – I <sup>\$</sup> | 9   | Snow  | 21  |
|       |       | Side Swipe          | 24       | Non-fatal injury – NC <sup>^</sup> | 41  | Wet   | 41  |
|       |       | Single Vehicle      | 95       | Non-fatal injury – P <sup>@</sup>  | 23  | Other | 1   |
|       |       | Not Reported        | 1        | Not reported                       | 13  |       |     |
|       |       |                     |          |                                    | 7   |       |     |
| 2013  | 304   | Angle               | 71       | Fatal                              | 1   | Dry   | 217 |
|       |       | Head On             | 9        | No injury                          | 231 | Ice   | 5   |
|       |       | Rear End            | 110      | Non-fatal injury – I <sup>\$</sup> | 10  | Snow  | 13  |
|       |       | Side Swipe          | 25       | Non-fatal injury – NC <sup>^</sup> | 28  | Wet   | 68  |
|       |       | Single Vehicle      | 84       | Non-fatal injury – P <sup>@</sup>  | 23  | Sand  | 1   |
|       |       | Not Reported        | 5        | Not reported                       | 11  |       |     |
|       |       |                     |          |                                    |     |       |     |
| 2014  | 313   | Angle               | 86       | Fatal                              | 2   | Dry   | 197 |
|       |       | Head On             | 8        | No injury                          | 234 | Ice   | 10  |
|       |       | Rear End            | 91       | Non-fatal injury – I <sup>\$</sup> | 7   | Snow  | 42  |
|       |       | Side Swipe          | 30       | Non-fatal injury – NC <sup>^</sup> | 45  | Wet   | 61  |
|       |       | Single Vehicle      | 96       | Non-fatal injury – P <sup>@</sup>  | 19  | Other | 3   |
|       |       | Not Reported        | 2        | Not reported                       | 6   |       |     |
|       |       |                     |          |                                    |     |       |     |
| Total | 934   |                     |          |                                    |     |       |     |

^ Non Incapacitating @ Possible \$ Incapacitating

### TOP 10 CRASH LOCATIONS IN THE TOWN

| Rank | Intersection/Location                                | Crashes | EPDO* | Rank | Intersection/Location                  | Crashes | EPDO* |
|------|--|---------|-------|------|--|---------|-------|
| 1    | Boston Road and Stony Hill Road                      | 71      | 123   | 6    | Boston Road and Brainard Road          | 12      | 32    |
| 2    | Boston Road and Stony Hill Plaza Driveway            | 28      | 52    | 7    | Stony Hill Road and Springfield Street | 19      | 31    |
| 3    | Boston Road (Between Lia Toyota and Woodcrest Drive) | 20      | 44    | 8    | Boston Road and Main Street            | 15      | 31    |
| 4    | Boston Road and Railroad Avenue                      | 12      | 41    | 9    | Boston Road and Maple Street           | 11      | 31    |
| 5    | Boston Road, Post Office Park, and Grant Street      | 18      | 34    | 10   | Boston Road and Cherry Drive           | 14      | 26    |

\*EPDO - Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Crash = 1)



Map not to scale



**KEY FINDINGS:**

- There were a total of 934 crashes in the Town of Wilbraham within the calendar years of 2012 to 2014.
- Approximately 33% of the total crashes were rear end type, followed by single vehicle (29.4%), and angle (26%) type crashes.
- A total of 6 fatal crashes and 26 incapacitating injury crashes were reported in the Town.
- A total of 13 non-motorist crashes were reported in the Town during the analysis period.
- A large number of single vehicle crashes did not have a complete report that included a driver contribution factor.
- A total of five out of the top 10 crash locations in the Town are signalized intersections.

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 533        |
| T-intersection        | 199        |
| Four-way intersection | 122        |
| Driveway              | 51         |
| Y-intersection        | 25         |
| Unknown               | 3          |
| Traffic circle        | 1          |
| <b>Total</b>          | <b>934</b> |

**TOTAL NON-MOTORIZED CRASHES**

|               |           |
|---------------|-----------|
| Pedestrian    | 9         |
| Pedalcyclist* | 4         |
| <b>Total</b>  | <b>13</b> |

\*Pedalcyclist – Anyone riding a unicycle, bicycle, tricycle, or a pedal car.

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |            |
|--|------------|
| Unknown  | 102        |
| No improper driving  | 60         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 33         |
| Distracted or Inattention  | 29         |
| Driving too fast for conditions or speeding                                      | 14         |
| Over correcting or over steering   | 8          |
| Failure to keep in proper lane or running off road                               | 7          |
| Fatigue, Illness or Physical Impairment  | 7          |
| Other improper action  | 6          |
| Disregarded traffic signs, signals, road markings                                | 3          |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 2          |
| Glare or obstructed visibility   | 2          |
| Made an improper turn  | 1          |
| Wrong side of the road   | 1          |
| <b>Total</b>   | <b>275</b> |

**ROADWAY CLASSIFICATION**

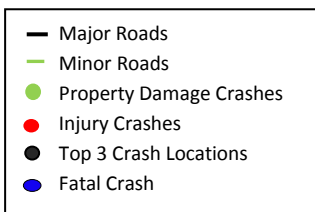
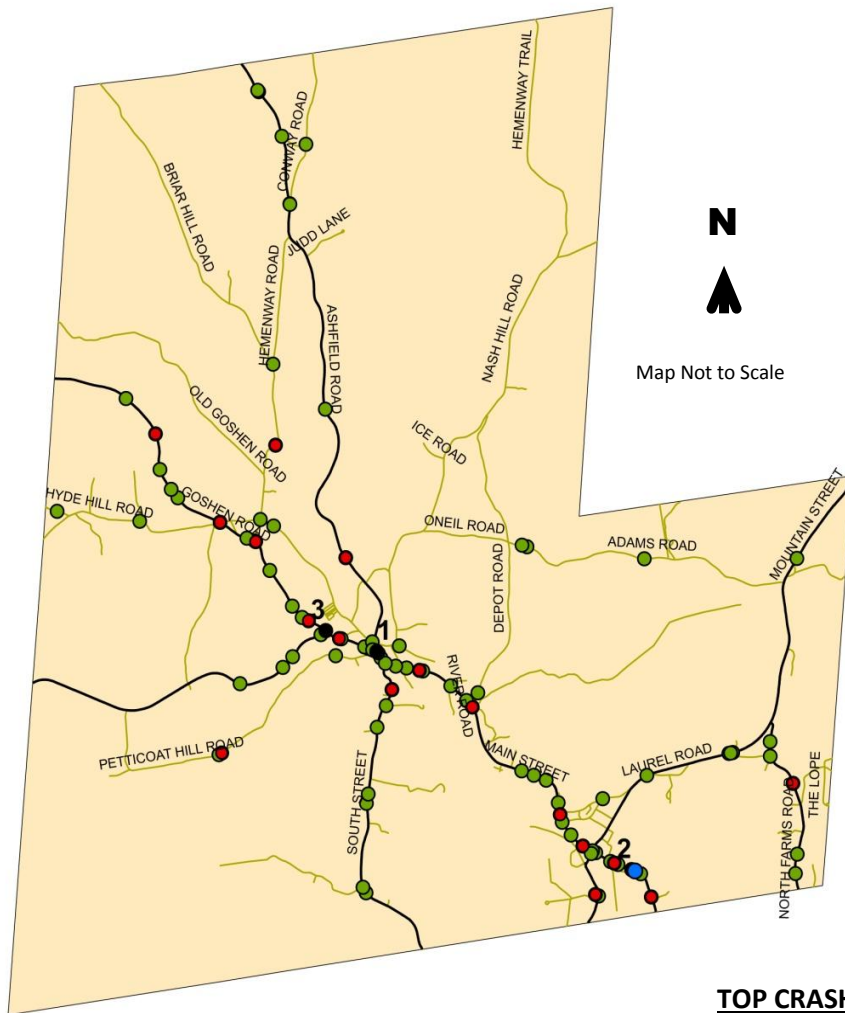
|  |            |
|--|------------|
| Rural minor arterial or urban principal arterial | 399        |
| Urban minor arterial or rural major collector    | 287        |
| Urban collector or rural minor collector         | 118        |
| Local  | 79         |
| Interstate                                       | 31         |
| Unknown  | 20         |
| <b>Total</b>                                     | <b>934</b> |

# Pioneer Valley SafetyCompass

## WILLIAMSBURG (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision  | Severity | Roadway                            | Weather |       |    |        |    |
|-------|-------|--|----------|------------------------------------|---------|-------|----|--------|----|
| 2012  | 54    | Angle  | 5        | Fatal Injury                       | 0       | Dry   | 31 | Clear  | 27 |
|       |       | Head On  | 2        | No injury                          | 40      | Ice   | 2  | Cloudy | 9  |
|       |       | Rear End   | 7        | Non-fatal injury - I <sup>\$</sup> | 1       | Snow  | 8  | Snow   | 9  |
|       |       | Side Swipe   | 4        | Non-fatal injury - NC <sup>^</sup> | 7       | Wet   | 6  | Rain   | 4  |
|       |       | Single Vehicle   | 34       | Non-fatal Injury - P <sup>@</sup>  | 1       | Sand  |    | NR*    | 3  |
|       |       | Not Reported   | 2        | Not Reported                       | 5       | Other | 7  | Sleet  | 2  |
|       |       |  |          |                                    |         |       |    |        |    |
| 2013  | 57    | Angle  | 9        | Fatal                              | 0       | Dry   | 38 | Clear  | 36 |
|       |       | Head On  | 3        | No injury                          | 45      | Ice   | 4  | Cloudy | 11 |
|       |       | Rear End   | 12       | Non-fatal injury - I <sup>\$</sup> | 0       | Sand  | 1  | NR*    | 3  |
|       |       | Side Swipe   | 0        | Non-fatal injury - NC <sup>^</sup> | 5       | Wet   | 8  | Rain   | 3  |
|       |       | Single Vehicle   | 29       | Non-fatal Injury - P <sup>@</sup>  | 2       | Snow  | 2  | Snow   | 4  |
|       |       | Not Reported   | 4        | Not Reported                       | 5       | Other | 4  |        |    |
|       |       |  |          |                                    |         |       |    |        |    |
| 2014  | 41    | Angle  | 3        | Fatal Injury                       | 1       | Dry   | 26 | Clear  | 28 |
|       |       | Head On  | 0        | No injury                          | 28      | Ice   | 2  | Cloudy | 8  |
|       |       | Rear End   | 8        | Non-fatal injury - I <sup>\$</sup> | 0       | Sand  | 3  | NR*    | 1  |
|       |       | Side Swipe   | 2        | Non-fatal injury - NC <sup>^</sup> | 4       | Snow  | 4  | Rain   | 2  |
|       |       | Single Vehicle   | 27       | Non-fatal Injury - P <sup>@</sup>  | 6       | Wet   | 4  | Snow   | 2  |
|       |       | Not Reported   | 1        | Not Reported                       | 2       | Other | 2  | Sleet  |    |
|       |       |  |          |                                    |         |       |    |        |    |
| Total | 152   | ^ Non Incapacitating @ Possible \$ Incapacitating * Not Reported |          |                                    |         |       |    |        |    |



### TOP CRASH LOCATIONS IN TOWN:

1. The area in the vicinity of the intersections of Williams Street (Route 9) with North Street and Petticoat Hill Road. (Total Crashes – 7, EPDO\* - 11)
2. The Intersection of Main Street (Route 9) and Myrtle Avenue. (Location of the Fatal Crash in 2014) (Total Crashes – 2, EPDO\* - 11)
3. The Intersection of Goshen Road (Route 9), Williams Street (Route 9), and Chesterfield Road (Route 143) (Total Crashes – 6, EPDO\* - 10)

\*EPDO – Equivalent Property Damage Only (Fatal Crash = 10, Injury Crash = 5, Property Damage Only = 1)

**KEY FINDINGS:**

- The Town of Williamsburg experienced a total of 152 crashes within the calendar years of 2012 to 2014.
- In the year 2012, there was a crash involving a pedestrian which was not reported as having caused any injury.
- Nearly 60% (90 out of 152) of the total crashes are single vehicle collisions with other objects.
- Speeding was observed to be a cause for 20% of the single vehicle crashes.
- Collisions of motor vehicles with deer and trees have resulted in a total of 30 crashes.

**FIRST HARMFUL EVENT**

|   |            |
|---|------------|
| Collision with motor vehicle in traffic               | 46         |
| Other   | 25         |
| Collision with other light pole or other post/support | 18         |
| Collision with animal - deer                          | 17         |
| Collision with tree                                   | 13         |
| Collision with guardrail                              | 8          |
| Collision with parked motor vehicle                   | 8          |
| Collision with embankment                             | 5          |
| Collision with ditch                                  | 3          |
| Overturn/rollover                                     | 3          |
| Collision with bridge                                 | 2          |
| Collision with curb                                   | 2          |
| Collision with pedestrian                             | 1          |
| Collision with work zone maintenance equipment        | 1          |
| <b>Total</b>  | <b>152</b> |

**AMBIENT LIGHT**

|              |            |
|--------------|------------|
| Daylight     | 94         |
| Dark         | 46         |
| Dawn/Dusk    | 9          |
| Not Known    | 3          |
| <b>Total</b> | <b>152</b> |

**DRIVER CONTRIBUTION CODES FOR SINGLE VEHICLE CRASHES**

|  |           |
|--|-----------|
| No improper driving  | 30        |
| Driving too fast for conditions or speeding                                      | 18        |
| Unknown  | 11        |
| Distracted or Inattention  | 9         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 7         |
| Fatigue, Illness or Physical Impairment  | 5         |
| Failure to keep in proper lane or running off road                               | 3         |
| Over correcting or over steering   | 3         |
| Swerving or avoiding due to wind, slippery surface, vehicle, object, etc         | 3         |
| Wrong side of the road   | 1         |
| <b>Total</b>   | <b>90</b> |

**LOCATION OF CRASHES**

|                       |            |
|-----------------------|------------|
| Not at junction       | 116        |
| T-intersection        | 13         |
| Driveway              | 9          |
| Four-way intersection | 9          |
| Not reported          | 2          |
| Y-intersection        | 2          |
| Unknown               | 1          |
| <b>Total</b>          | <b>152</b> |

**ROADWAY CLASSIFICATION**

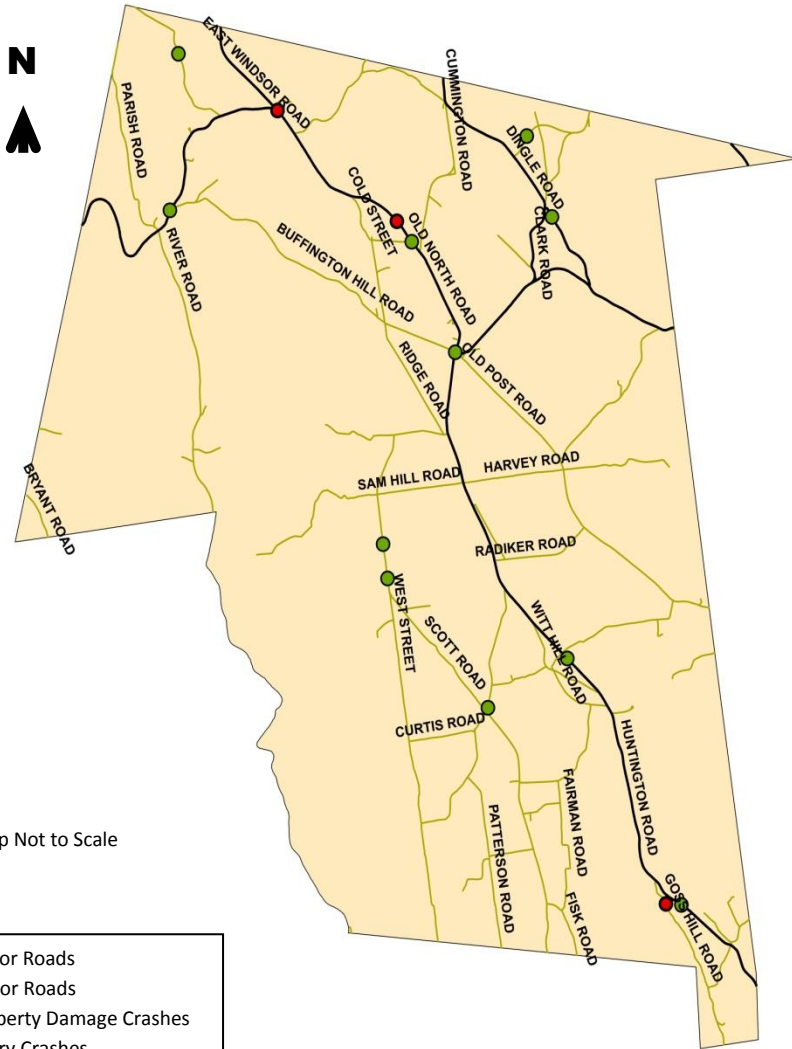
|  |            |
|--|------------|
| Rural or urban principal arterial                | 75         |
| Unknown  | 26         |
| Urban minor arterial or rural major collector    | 25         |
| Local  | 19         |
| Rural minor arterial or urban principal arterial | 6          |
| Urban collector or rural minor collector         | 1          |
| <b>Total</b>                                     | <b>152</b> |

# Pioneer Valley SafetyCompass

## WORTHINGTON (2012 – 2014)

### TOWN CRASH PROFILE

| Year  | Total | Manner of Collision  | Severity | Roadway                            | Weather |      |   |        |   |
|-------|-------|--|----------|------------------------------------|---------|------|---|--------|---|
| 2012  | 4     | Angle  | 2        | No Injury                          | 4       | Dry  | 1 | Clear  | 2 |
|       |       | Single Vehicle   | 2        |                                    |         | Ice  | 1 | Snow   | 1 |
|       |       |  |          |                                    |         | Snow | 2 | NR*    | 1 |
| 2013  | 6     | Angle  | 1        | No injury                          | 2       | Dry  | 2 | Clear  | 3 |
|       |       | Single Vehicle   | 5        | Non-fatal injury - I <sup>\$</sup> | 1       | Sand | 1 | Cloudy | 1 |
|       |       |  |          | Non-fatal injury - NC <sup>^</sup> | 1       | Wet  | 2 | Rain   | 1 |
|       |       |  |          | Non-fatal Injury - P <sup>@</sup>  | 1       | Snow | 1 | Snow   | 1 |
|       |       |  |          | Not Reported                       | 1       |      |   |        |   |
| 2014  | 10    | Angle  | 1        | No Injury                          | 10      | Dry  | 4 | Clear  | 6 |
|       |       | Rear End   | 1        |                                    |         | Ice  | 2 | Snow   | 4 |
|       |       | Single Vehicle   | 7        |                                    |         | Snow | 4 |        |   |
|       |       | Not Reported   | 1        |                                    |         |      |   |        |   |
| Total | 20    | <sup>^</sup> Non Incapacitating <sup>@</sup> Possible <sup>\$</sup> Incapacitating    * Not Reported |          |                                    |         |      |   |        |   |



Map Not to Scale

|   |                         |
|---|-------------------------|
| — | Major Roads             |
| — | Minor Roads             |
| ● | Property Damage Crashes |
| ● | Injury Crashes          |

### INJURY CRASH LOCATIONS IN TOWN:

1. Intersection of Old North Road (Route 143) and East Windsor Road.
2. North of the intersection of Old North Road (Route 143) and Cold Street.
3. Goss Hill Road, south of the intersection with Huntington Road (Route 112).

**KEY FINDINGS:**

- The Town of Worthington experienced a total of 20 crashes within the calendar years of 2012 to 2014.
- The total number of crashes increased each year within the analysis period.
- A total of 14 crashes were single vehicle crashes.
- Speeding was cited as a leading contributing factor in 7 out of the total 20 crashes.
- Collisions of motor vehicles with guardrails and trees have resulted in a total of 6 crashes.

**AMBIENT LIGHT**

|                            |           |
|----------------------------|-----------|
| Daylight                   | 14        |
| Dark - roadway not lighted | 6         |
| <b>Total</b>               | <b>20</b> |

**FIRST HARMFUL EVENT**

|   |           |
|---|-----------|
| Collision with motor vehicle in traffic | 5         |
| Collision with guardrail                | 3         |
| Collision with tree                     | 3         |
| Collision with ditch                    | 2         |
| Collision with animal - other           | 1         |
| Collision with embankment               | 1         |
| Collision with other object             | 1         |
| Collision with other movable object     | 1         |
| Collision with parked motor vehicle     | 1         |
| Collision with utility pole             | 1         |
| Not reported                            | 1         |
| <b>Total</b>                            | <b>20</b> |

**DRIVER CONTRIBUTION CODES**

|  |           |
|--|-----------|
| Driving too fast for conditions or speeding                                      | 7         |
| No improper driving  | 6         |
| Distracted or inattention  | 2         |
| Unknown  | 1         |
| Failure to keep in proper lane or running off road                               | 1         |
| Fatigue, Illness or Physical Impairment  | 1         |
| Followed too closely   | 1         |
| Operating vehicle in erratic, reckless, careless, negligent or aggressive manner | 1         |
| <b>Total</b>   | <b>20</b> |

**LOCATION OF CRASHES**

|                 |           |
|-----------------|-----------|
| Not at junction | 16        |
| T-intersection  | 2         |
| Driveway        | 1         |
| Y-intersection  | 1         |
| <b>Total</b>    | <b>20</b> |

**ROADWAY CLASSIFICATION**

|  |           |
|--|-----------|
| Unknown  | 8         |
| Local  | 5         |
| Urban minor arterial or rural major collector    | 5         |
| Rural minor arterial or urban principal arterial | 1         |
| Urban collector or rural minor collector         | 1         |
| <b>Total</b>                                     | <b>20</b> |