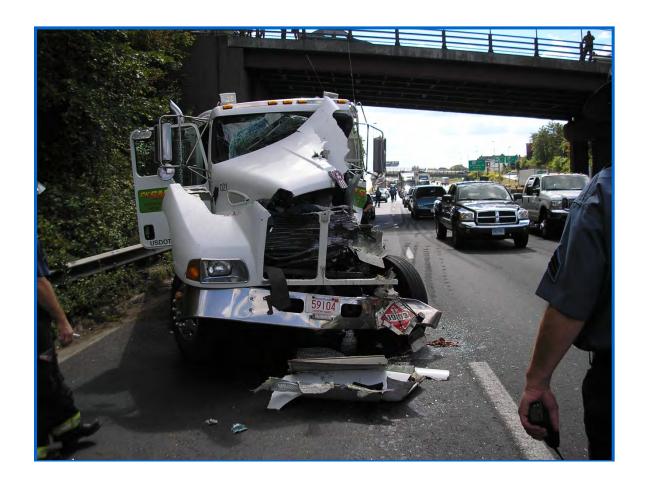
2014 TOP CRASH LOCATIONS REPORT



AUGUST 2016







Dear Reader:

Enclosed is MassDOT Highway Division's edition of the 2014 *Top Crash Locations Report*, which may be used for a first brush tool to evaluate top crash intersection locations and top crash pedestrian and bicycle locations in order to improve the safety of our roadway system. This report, like last year's report, focuses on intersection locations and is based on crashes entered into the Registry of Motor Vehicles' Crash Data System (CDS). The 2014 Report also contains the identification of top bicycle-motor vehicle and pedestrian-motor vehicle crash locations. This information can be found at http://services.massdot.state.ma.us/maptemplate/TopCrashLocations/ or by contacting your Regional Planning Agency and MassDOT Highway District Traffic Engineer.

This dataset may be used as a first brush screening tool to evaluate locations and make changes to improve the safety of our roadway system. The 2014 *Top Crash Locations Report* is one of the tools for the Statewide Highway Safety Improvement Program (HSIP) to identify safety projects using a data-driven process.

Please note that this report is based only on crash records that have been entered into the statewide crash system and have been geocoded to a specific location. Although Massachusetts General Laws Chapter 90 § 26 and 29 require drivers and police departments to file crash reports that exceed specific thresholds, this is not always done. Furthermore, not all crashes submitted to the Registry of Motor Vehicles get entered into the crash system. Improving the crash reporting system and the quality of the data will help to focus resources where they are most needed.

In an effort to reduce injury and fatal crashes, MassDOT, in cooperation with a variety of public and private stakeholders, has updated the Massachusetts Strategic Highway Safety Plan (SHSP) in 2014. To view this 2014 SHSP, download a copy of the plan or to learn more about it, go to the MassDOT Highway Division Traffic Engineering and Safety website

(http://www.massdot.state.ma.us/highway/Departments/TrafficandSafetyEngineering/HighwaySafety/St rategicHighwaySafetyPlan.aspx). The Safety Plan identifies the State's key safety needs and can be used to guide investment decisions to achieve significant reductions in highway fatalities and serious injuries on all public roads based upon a data-driven process.

I am convinced that we can make great strides in improving safety on Massachusetts roadways for all users. If you have questions, please contact Neil Boudreau, State Traffic Engineer, at (857) 368-9655.

Sincerely,

Thomas J. Tinlin, Highway Administrator

TOP HIGH CRASH LOCATIONS REPORT

Top 200 Intersection Locations 2012-2014
Top Pedestrian Locations 2005-2014
Top Bicycle Locations 2005-2014

Introduction

MassDOT Highway Division obtains crash data from the MassDOT Registry of Motor Vehicles (RMV) Division and uses it for a number of purposes. The primary function is to provide a foundation for developing safety improvement projects. The Top High Crash Locations Report is one of the tools used in this process. Previously, MassDOT Highway Division, with assistance from Central Transportation Planning Staff (CTPS), produced a Top 1000 Highway Crash Locations Report which included all types of locations (interchanges, intersections and rotaries). Eight years ago, MassDOT Highway Division developed a new report type where the locations identified were crash clusters at intersections (no grade separated locations, no locations with weaving sections and no intersections that are part of a rotary or interchange system). Beginning seven years ago, the report also included the top bicycle and pedestrian clusters. This year, MassDOT Highway Division prepared a Top High Crash Locations Report which includes the top 200 high crash intersection locations using crash data from 2012-2014 and also includes the weighted (by crash severity) highest frequency bicycle-motor vehicle and pedestrian-motor vehicle crash locations for 2005-2014. MassDOT is also working on new processes using the Highway Safety Manual methodologies (http://www.highwaysafetymanual.org) which factors in the traffic, pedestrian and bicycle volumes. This should go into effect next year.

The RMV obtains crash data from State and local police. The RMV Crash Records Section collects, enters and maintains crash data records, which are the source of the MassDOT Highway Division crash data.

To produce this high crash locations listing, MassDOT Highway Division, with the assistance of Geonetics, Inc., has developed an automated procedure for processing, standardizing, matching and aggregating the crash data by geographical location using Geographic Information System (GIS) tools and procedures.

Generally, the geocoding rate (the rate at which crashes can be located to a specific geographical point) for crashes between 2012 and 2014 is over 95%. However, the geocoding rate is not uniform for all crashes or for all types of crash locations. Some crashes may be more difficult to geocode because of multiple intersections between the same roadway names within a community, mis-entry of location information on the crash report form or a host of other reasons.

The number of crashes contained within the RMV crash system has changed dramatically due to a shift in data entry. Generally the crash system is comprised of crash reports from police and operators (drivers). The number of operator reports entered into the statewide crash system has declined dramatically. The table below illustrates the change in data entry at the RMV.

Reporting Entity	2007	2008	2009	2010	2011	2012	2013	2014
Local Police	95,400	93,649	92,832	94,458	104,201	104,316	105,647	109,805
Other Police	153	198	123	154	129	163	116	100
State Police	14,608	15,822	15,519	16,882	16,280	18,160	19,521	20,316
Operator	34,348	26,715	9,302	4,149	22	7	1	12
TOTAL	144,509	136,384	117,776	115,643	120,632	122,646	125,285	130,233

Furthermore, the reporting levels of some communities have changed dramatically as communities move from submitting crash reports on paper to submitting electronically (details on reporting level by community are available upon request). Obviously, these reporting changes significantly impact the results of the Top High Crash Locations Report.

Crashes reported as occurring in off-street parking lots, garages, shopping center parking lots, etc. are generally excluded if submitted as paper reports to RMV. However, if submitted electronically there is currently no systematic process for excluding them from being entered, automatically geocoded and therefore included in the crash clusters. As a result, several locations may have been identified as top crash locations even though the majority of crashes occurred on private property. Therefore, it is critical that this list only be used as a first brush approach. More detailed analysis of the specific crashes would be required.

Due to the many difficulties in obtaining precise, useable crash location data and many issues involved in variations in crash reporting rates by some jurisdictions, this report should be used as a general purpose screening tool rather than as a precise listing of crash frequencies by individual locations. Furthermore, because of the spatial nature of the crash clusters, it is imperative to view the crash clusters spatially and not just rely on the tabular naming convention to understand the crash cluster locations.

Methodology – Intersection Locations

The intersection crash cluster analysis method, developed by Geonetics for MassDOT, is a comprehensive method designed to locate crash clusters. At the heart of the method is a 25 meter (82 ft.) fixed search distance around each crash. In basic terms, this radius controls how far the application will search for adjacent crashes. Using a 25 meter radius, the analysis method found nearby crashes and merged their areas together, thus creating clusters. If two distinct clusters are found to share a common crash, the two clusters are merged into a single cluster. This method of search-and-merge results in a set of many distinct clusters of different sizes and shapes. The application then stores these clusters to the GIS output file, along with the count of crashes within the cluster. The clusters were then ranked by the number of Equivalent Property Damage Only (EPDO) crashes contained within their boundaries. As in previous Top Crash Lists, fatal crashes are weighted by 10, injury crashes are weighted by 5 and property damage only or non-reported is weighted by 1. These are the same weights that were used to generate the previous Top 1000 High Crash Locations Report using crash data from the previous crash system.

The crashes were then named based on the highest functional classification roadway within the cluster, followed by the roadway with the second highest functional classification. In instances where there were two roadways with the identical classification, the first street name selected was the street with the longest segment contained within the cluster. Some cluster naming was modified to insert the name of a

private way or site drive, rather than leaving it as unnamed. Note that the area encompassing the crash cluster may cover a larger area than just the intersection so it is critical to view these spatially.

The module to automatically determine whether the location was an intersection, rotary, interchange or other type of facility has not yet been developed. Therefore, a review of each location was required to make that determination. Generally, a location was determined to be an "intersection" if the cluster did not contain roadways with grade separation (interchange) nor weaving sections (rotaries or ramps). Intersections located at the ends of off-ramps or traffic circles/rotaries were generally not included. The clusters were reviewed in descending EPDO order until 200 locations were obtained. A sample of the top 2 ranked intersection locations is included in this report to illustrate the concept of the intersection clustering. A shapefile of the crash clusters is available upon request. The actual crash clusters can also be viewed on the interactive maps at http://services.massdot.state.ma.us/maptemplate/TopCrashLocations

The above method was used to develop the top 200 intersection crash locations for crashes occurring during the three year period from 2012 to 2014. As with previous editions, the crash location analysis has been scored over a three-year period. By using crash experience over the three-year period, anomalies in the individual years of data tend to be reduced.

Methodology - Pedestrian and Bicycle Locations

Similar to previous years, the top locations where reported collisions occurred between pedestrians and motor vehicles and bicycles and motor vehicles have been identified. The crash cluster analysis methodology for both the top pedestrian and the top bicycle crashes is similar to the top intersection location methodology in that it uses a fixed meter search distance (for both pedestrian and bicycle crashes it is 100 meters (328 ft.) compared to 25 meters for intersection locations) to merge crash clusters together. Crashes involving collisions between motor vehicles and pedestrians or bicycles were identified by using the non-motorist type code within the CDS database (which may yield different results from using most harmful event, first harmful event, or sequence of events data fields). Furthermore, the methodology uses the Equivalent Property Damage Only (EPDO) weighting to rank the clusters. However, because of the relatively small number of reported pedestrian and bicycle crashes in the crash data file, the clustering analysis used crashes from the ten year period from 2005-2014, instead of the three year analysis for intersection locations. Additionally, due to the larger geographic area encompassed by both the pedestrian and the bicycle crash clusters, it was difficult to name them so they were left unnamed but can be viewed spatially. The top 10 ranked pedestrian crash locations and the top 10 bicycle crash locations are included in this report. The actual crash clusters can be viewed on the interactive maps at http://services.massdot.state.ma.us/maptemplate/TopCrashLocations

For further information, please contact Neil Boudreau, State Traffic Engineer, Traffic Engineering and Safety Section, MassDOT Highway Division, 10 Park Plaza, Room 7210, Boston, MA 02116, phone (857) 368-9655.

NOTICE

It should be noted that the Top 200 High Crash Intersection Locations Report was compiled under the authority of United States Code Title 23, Section 148, Highway Safety Improvement Program, sponsored by the Federal Highway Administration. The compilation of such information is, therefore, subject to the limitations of Section 148 (g) (4) which states:

"Discovery and admission into evidence of certain reports, surveys, and information - Notwithstanding any other provision of law, reports, surveys, schedules, lists, or data compiled or collected for any purpose relating to this section, shall not be subject to discovery or admitted into evidence in a Federal or State court proceeding or considered for other purposes in any action for damages arising from any occurrence at a location identified or addressed in such reports, surveys, schedules, lists or other data."

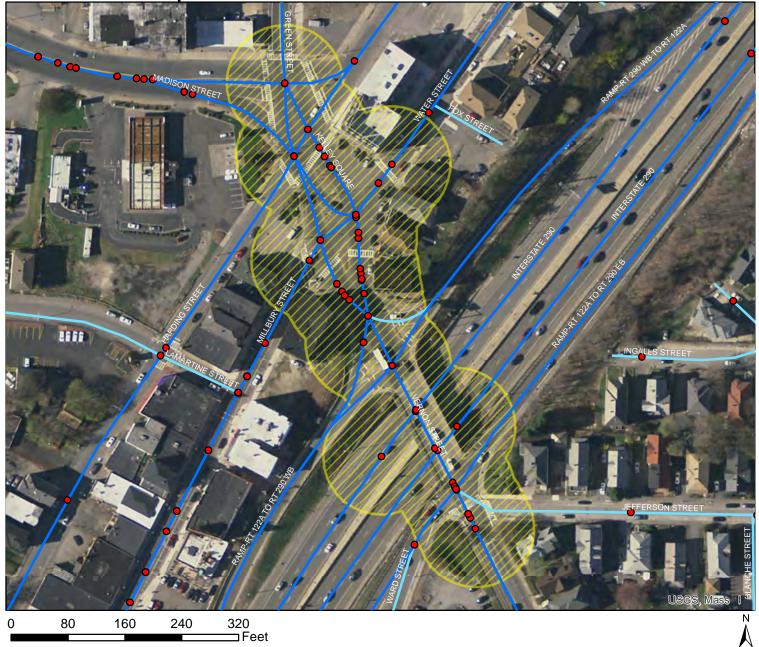
	2012-2014 STATEWIDE TOP 200 INTERSECTION CRASH LIST												
Rank	Town	RPA	MassDOT District	Street 1	Route 1	Street 2	Route 2	Total Crashes	EPDO Crashes	Fatal Crashes	Injury Crashes	PDO & Non Reported Crashes	
1	WORCESTER	CMRPC	3	KELLEY SQUARE	122A	WATER STREET		177	309	0	33	144	
1	BROCKTON	OCPC	5	PLEASANT STREET	27	WEST STREET		109	309	0	50	59	
3	SWANSEA	SRPEDD	5	MARKET STREET	136	GRAND ARMY OF THE REPUBLIC HIGHWAY	6	136	292	0	39	97	
4	LOWELL	NMCOG	4	BRIDGE STREET	38	VETERANS OF FOREIGN WARS HIGHWAY		127	283	0	39	88	
5	LOWELL	NMCOG	4	APPLETON STREET	110	CENTRAL STREET		108	272	0	41	67	
6	FALL RIVER	SRPEDD	5	PLYMOUTH AVENUE	81	RODMAN STREET		147	271	0	31	116	
7	SPRINGFIELD	PVPC	2	SUMNER AVENUE	83	BELMONT AVENUE	83	109	265	0	39	70	
8	WESTFORD	NMCOG	3	LITTLETON ROAD	110	BOSTON ROAD		181	241	0	15	166	
9	QUINCY	MAPC	6	SOUTHERN ARTERY	3A	BROAD STREET		107	219	0	28	79	
10	NEW BEDFORD	SRPEDD	5	ALFRED BESSETTE MEMORIAL HIGHWAY	140	KEMPTON STREET	6	94	218	0	31	63	
11	WEYMOUTH	MAPC	6	MAIN STREET	18	MIDDLE STREET		100	216	0	29	71	
12	WEYMOUTH	MAPC	6	MAIN STREET	18	POND STREET (PLEASANT SHOPS PLAZA)		92	208	0	29	63	
13	LOWELL	NMCOG	4	VETERANS OF FOREIGN WARS HIGHWAY	113	VARNUM AVENUE		112	204	0	23	89	
14	SPRINGFIELD	PVPC	2	SAINT JAMES BOULEVARD	20A	SAINT JAMES AVENUE	20A	69	197	0	32	37	
15	LOWELL	NMCOG	4	MIDDLESEX STREET		WOOD STREET	90	99	195	0	24	75	
16	WEBSTER	CMRPC	3	WORCESTER ROAD	12	EAST MAIN STREET	12	112	192	0	20	92	
17	PEABODY	MAPC	4	NEWBURYPORT TURNPIKE (JUGHANDLE)	1	ETH CLUM		94	190	0	24	70	
18	MEDFORD	MAPC	4	REVERE BEACH PARKWAY	16	FELLSWAY	28	97	189	0	23	74	
19	LYNNFIELD	MAPC	4	BROADWAY	1	SALEM STREET	129	107	187	0	20	87	
19 21	BRAINTREE	MAPC	6 4	GRANITE STREET	37 38	COMMON STREET FELLSWAY	20	83 80	187 184	0	26	57 54	
22	SOMERVILLE	MAPC	5	MYSTIC AVENUE			38	97		0	26	76	
23	WRENTHAM SPRINGFIELD	MAPC PVPC	2	SOUTH STREET STATE STREET	1A	PREMIUM OUTLET BOULEVARD SAINT JAMES AVENUE	1A	52	181 176	0	21 31	21	
23	HOLYOKE	PVPC	2	HOLYOKE STREET		HOLYOKE MALL AT INGLESIDE		108	176	0	17	91	
25	BROCKTON	OCPC	5	ASH STREET		WEST ELM STREET	1	59	175	0	29	30	
26	SPRINGFIELD	PVPC	2	BOSTON ROAD	20	PASCO ROAD	1	56	168	0	28	28	
27	HAVERHILL	MVPC	4	WASHINGTON STREET	110	RIVER STREET	110	98	166	0	17	81	
28	FALL RIVER	SRPEDD	5	BEDFORD STREET		TROY STREET		59	163	0	26	33	
29	RAYNHAM	SRPEDD	5	ROUTE 44	44	ORCHARD STREET		77	161	0	21	56	
30	WORCESTER	CMRPC	3	HARVARD STREET		LINCOLN SQUARE	9	76	160	0	21	55	
31	CHELSEA	MAPC	6	REVERE BEACH PARKWAY	16	GARFIELD AVENUE		69	157	0	22	47	
31	MILTON	MAPC	6	RANDOLPH AVENUE	28	CHICKATAWBUT ROAD		48	157	1	25	22	
33	PEMBROKE	MAPC_OCPC	5	CHURCH STREET	139	OLD OAK STREET		61	153	0	23	38	
33	WORCESTER	CMRPC	3	BELMONT STREET	9	EDWARD STREET		65	153	0	22	43	
33	SOMERVILLE	MAPC	4	MYSTIC AVENUE	38	FELLSWAY	28	61	153	0	23	38	
36	LOWELL	NMCOG	4	VETERANS OF FOREIGN WARS HIGHWAY		AIKEN STREET	88	58	150	0	23	35	
37	WORCESTER	CMRPC	3	PARK AVENUE	9	MAY STREET		76	148	0	18	58	
37	SOMERSET	SRPEDD	5	BRAYTON AVENUE		SLADES FERRY AVENUE		56	148	0	23	33	
37	EVERETT	MAPC	4	REVERE BEACH PARKWAY	16	EVERETT AVENUE		56	148	0	23	33	
40	SEEKONK	SRPEDD	5	TAUNTON AVENUE	44	FALL RIVER AVENUE	114A	83	147	0	16	67	
40	PLAINVILLE	SRPEDD	5	MESSENGER STREET	106	TAUNTON STREET	152	91	147	0	14	77	
40	BOSTON	MAPC	6	MORTON STREET	203	HARVARD STREET	1	43	147	0	26	17	
43	WEYMOUTH	MAPC	6	MAIN STREET	18	PARK AVENUE	+	82	146	0	16	66	
44	SPRINGFIELD	PVPC	2	BOSTON ROAD	20	PARKER STREET	21	57	145	0	22	35	
44	LOWELL	NMCOG	4	BRIDGE STREET	24	FRENCH STREET	+	69	145	0	19	50	
46	FITCHBURG	MRPC	3	MAIN STREET	2A	NORTH STREET	+	75	143	0	17	58	
47	FRAMINGHAM	MAPC	3	WORCESTER ROAD	9	CALIFORNIA AVENUE	444	62	142	0	20	42	
48 48	CHICOPEE	PVPC	3	BROADWAY EAST MAIN STREET	20	EAST MAIN STREET	141	69 113	141	0	18 7	51	
50	MARLBOROUGH YARMOUTH	MAPC CCC	5	EAST MAIN STREET NORTH MAIN STREET	20	CURTIS AVENUE ROUTE 28	28	76	141 140	0	16	106 60	
51	WALTHAM	MAPC	4	MAIN STREET	20	LYMAN STREET	20	75	139	0	16	59	
51	BROCKTON	OCPC	5	REYNOLDS HIGHWAY	27	CHRISTYS DRIVE	1	51	139	0	22	29	
53	WORCESTER	CMRPC	3	HIGHLAND STREET (LINCOLN SQUARE)	9	MAIN STREET	+	70	138	0	17	53	
54	CHELSEA	MAPC	6	EVERETT AVENUE		MYSTIC MALL	1	79	135	0	14	65	
57	U. ILLULA	IVIAIC	·	ETERET, TITLITUE				,,,	133	Ū			

				2012-2014 STATEWIDE TOP	200 INTERSE	CTION CRASH LIST					
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Rank	Town	RPA	Mas	Street 1	Route	Stre	Rout	Pota	EPDO	-ata	Injury
54	WALTHAM	MAPC	4	LEXINGTON STREET		TRAPELO ROAD		83	135	0	13 70
54	WORCESTER	CMRPC	3	SOUTHBRIDGE STREET		HAMMOND STREET		59	135	0	19 40
54	FRAMINGHAM	MAPC	3	WORCESTER ROAD	9	TEMPLE STREET		51	135	0	21 30
58	WORCESTER	CMRPC	3	MAIN STREET		PARK AVENUE		58	134	0	19 39
59	FRAMINGHAM	MAPC CMRPC	3	WORCESTER ROAD	9	DINSMORE AVENUE	422	48	133	1	19 28 17 48
59 61	WORCESTER SALEM	MAPC	3	SOUTHBRIDGE STREET HIGHLAND AVENUE	107	MADISON STREET MARLBOROUGH ROAD	122	65 60	133 132	0	17 48 18 42
61	SPRINGFIELD	PVPC	2	EAST COLUMBUS AVENUE	107	UNION STREET		52	132	0	20 32
63	SPRINGFIELD	PVPC	2	BOSTON ROAD		BAY STREET		42	131	1	20 21
64	WORCESTER	CMRPC	3	LINCOLN STREET	70	BEVERLY ROAD		58	130	0	18 40
64	SPRINGFIELD	PVPC	2	STATE STREET		SPRING STREET		41	130	1	20 20
66	TYNGSBOROUGH	NMCOG	4	MIDDLESEX ROAD	3A	KENDALL ROAD	3A	57	129	0	18 39
67	SPRINGFIELD	PVPC	2	BERKSHIRE AVENUE		COTTAGE STREET		35	128	1	21 13
67	BROCKTON	OCPC	5 4	PLEASANT STREET	27 107	WARREN AVENUE	1204	52	128	0	19 33
67 67	LYNN BROCKTON	MAPC OCPC	5	WESTERN AVENUE WARREN AVENUE	107	CHESTNUT STREET WEST ELM STREET	129A	60 40	128 128	0	17 43 22 18
71	HOLYOKE	PVPC	2	MAIN STREET	116	CABOT STREET	116	55	127	0	18 37
72	WEST BRIDGEWATER	OCPC	5	WEST CENTER STREET	106	PROSPECT STREET	110	62	126	0	16 46
72	BROCKTON	OCPC	5	MAIN STREET		LEGION PARKWAY	123	41	126	1	19 21
74	METHUEN	MVPC	4	HAVERHILL STREET	110	WOODLAND STREET		81	125	0	11 70
74	WORCESTER	CMRPC	3	CHANDLER STREET	122	MURRAY AVENUE		57	125	0	17 40
74	STOUGHTON	MAPC_OCPC	5	WASHINGTON STREET	27	WYMAN STREET	27	53	125	0	18 35
74	MANSFIELD	SRPEDD	5	CHAUNCY STREET	106	COPELAND DRIVE		53	125	0	18 35
74 79	LOWELL	NMCOG MAPC	3	NESMITH STREET	38 9	ANDOVER STREET COCHITUATE ROAD	133	69 48	125	0	14 55 19 29
79	FRAMINGHAM WILBRAHAM	PVPC	2	WORCESTER ROAD BOSTON ROAD	20	STONY HILL ROAD		72	124 124	0	13 59
79	MILFORD	MAPC	3	MAIN STREET	16	SCHOOL STREET		56	124	0	17 39
79	MIDDLEBOROUGH	SRPEDD	5	ROUTE 44	44	PLYMPTON STREET	105	52	124	0	18 34
83	MEDFORD	MAPC	4	REVERE BEACH PARKWAY	16	FELLSWAY	16	63	123	0	15 48
83	TAUNTON	SRPEDD	5	COUNTY STREET	140	HART STREET		67	123	0	14 53
83	SPRINGFIELD	PVPC	2	UNION STREET		WALNUT STREET		39	123	0	21 18
86	BOSTON	MAPC	6	JAMAICAWAY		BYNNER STREET		50	122	0	18 32
86	FAIRHAVEN	SRPEDD	5	ALDEN ROAD		BRIDGE STREET		66	122	0	14 52
88	METHUEN	MVPC	4	PLEASANT VALLEY STREET	113	MILK STREET	-	73	121	0	12 61
89 89	PEABODY SPRINGFIELD	MAPC PVPC	2	ANDOVER STREET MAIN STREET	114	NORTH SHORE MALL PLAINFIELD STREET	20A	80 44	120 120	0	10 70 19 25
89	SPRINGFIELD	PVPC	2	STATE STREET		HANCOCK STREET	20/1	40	120	0	20 20
92	FRAMINGHAM	MAPC	3	WAVERLY STREET	135	CONCORD STREET	126	67	119	0	13 54
92	NORTHAMPTON	PVPC	2	MAIN STREET	9	KING STREET	5	54	119	1	14 39
92	SPRINGFIELD	PVPC	2	LOCUST STREET		MILL STREET		43	119	0	19 24
95	TEWKSBURY	NMCOG	4	SOUTH STREET		SALEM ROAD		54	118	0	16 38
95	PEABODY	MAPC	4	ANDOVER STREET	114	ESQUIRE DRIVE		50	118	0	17 33
95 95	BROCKTON	OCPC	5	WARREN AVENUE	9	FOREST AVENUE	+	38 58	118	0	20 18
95	SHREWSBURY LOWELL	CMRPC NMCOG	4	BOSTON TURNPIKE CENTRAL STREET	9	SOUTH STREET JACKSON STREET	-	58	118 118	0	15 43 15 43
100	SPRINGFIELD	PVPC	2	PLAINFIELD STREET	20	WEST STREET	20	49	117	0	17 32
101	WHITMAN	OCPC	5	BEDFORD STREET	18	TEMPLE STREET	27	64	116	0	13 51
101	SWANSEA	SRPEDD	5	GRAND ARMY OF THE REPUBLIC HIGHWAY	6	SWANSEA MALL DRIVE	118	52	116	0	16 36
101	WEYMOUTH	MAPC	6	WINTER STREET		MAIN STREET		48	116	0	17 31
104	BOSTON	MAPC	6	GALLIVAN BOULEVARD	203	DORCHESTER AVENUE		39	115	0	19 20
104	FALMOUTH	CCC	5	TEATICKET HIGHWAY	28	MARAVISTA AVENUE		63	115	0	13 50
104	SUTTON	CMRPC	3	WORCESTER PROVIDENCE TURNPIKE	146	BOSTON ROAD	100	55	115	0	15 40
107 107	LYNN	MAPC PVPC	2	WESTERN AVENUE	107	WASHINGTON STREET	129	46 38	114 114	0	17 29 19 19
107	SPRINGFIELD	PVPL	2	SAINT JAMES AVENUE		CAREW STREET		38	114	U	19 19

	2012-2014 STATEWIDE TOP 200 INTERSECTION CRASH LIST											
Rank	Town	RPA	MassDOT District	freet 1	Route 1	Street 2	Route 2	Total Crashes	EPDO Crashes	Fatal Crashes	Injury Crashes	PDO & Non Reported Crashes
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107	TAUNTON	SRPEDD	5	CAPE ROAD	44			46	114	0	17	29
110	WALPOLE	MAPC	5	PROVIDENCE TURNPIKE	1	HIGH PLAIN STREET	27	52	113	1	13	38
110	MILFORD	MAPC	3	CEDAR STREET	85	OLD CEDAR STREET		65	113	0	12	53
110	WORCESTER	CMRPC	3	BELMONT STREET	9	PLANTATION STREET		57	113	0	14	43
110	NEW BEDFORD	SRPEDD	5	ACUSHNET AVENUE		HATHAWAY STREET		57	113	0	14	43
110	WORCESTER	CMRPC	3	PARK AVENUE	9	MAYWOOD STREET		57	113	0	14	43
110	WESTBOROUGH	CMRPC	3	BOSTON WORCESTER TURNPIKE	9	OTIS STREET		81	113	0	8	73
116	LYNN	MAPC	4	WESTERN AVENUE	107	FRANKLIN STREET		60	112	0	13	47
116	BROCKTON	OCPC	5	CENTRE STREET	123	PLYMOUTH STREET		40	112	0	18	22
116	SPRINGFIELD	PVPC	2	STATE STREET		MAPLE STREET		36	112	0	19	17
116	FITCHBURG	MRPC	3	WANOOSNOC ROAD		WATER STREET	12	56	112	0	14	42
116	SPRINGFIELD	PVPC	2	CHESTNUT STREET		SPRINGFIELD HOSPITAL DRIVE		36	112	0	19	17
121	NORWOOD	MAPC	5	BLUE STAR MEMORIAL HIGHWAY	1	DEAN STREET		47	111	0	16	31
121	LEOMINSTER	MRPC	3	MAIN STREET	13	HAMILTON STREET		63	111	0	12	51
121	TEWKSBURY	NMCOG	4	MAIN STREET	38	CLARK ROAD		67	111	0	11	56
121	MIDDLEBOROUGH	SRPEDD	5	SOUTH MAIN STREET	105	EAST GROVE STREET	28	67	111	0	11	56
121	WORCESTER	CMRPC	3	MAIN STREET	+	CHANDLER STREET	122	51	111	0	15	36
121	CHICOPEE	PVPC	2	MONTGOMERY STREET		MCKINSTRY AVENUE		59	111	0	13	46
127	LOWELL	NMCOG	4	BRIDGE STREET	38	WEST THIRD STREET		62	110	0	12	50
128	BARNSTABLE	CCC	5	BEARSES WAY	20	FALMOUTH ROAD	28	57	109	0	13	44
128	AUBURN	CMRPC	3	WASHINGTON STREET	20	MILLBURY STREET		53	109	0	14 7	39
128	LYNN	MAPC	4 5	LYNNFIELD STREET	129 134	BROADWAY		81 93	109	0	4	74 89
128 132	DENNIS MILFORD	CCC MAPC	3	EAST WEST DENNIS ROAD MEDWAY ROAD		MARKET PLACE BEAVER STREET		60	109		12	48
132	BROCKTON	OCPC	5	PLEASANT STREET	109 27	NORTH ASH STREET		36	108 108	0	18	18
132	HUDSON	MAPC	3	WASHINGTON STREET	85	TECHNOLOGY DRIVE		52	108	0	14	38
135	MANSFIELD	SRPEDD	5	CHAUNCY STREET	106	NORTH MAIN STREET	-	59	107	0	12	47
135	SHREWSBURY	CMRPC	3	HARTFORD TURNPIKE	100	GRAFTON STREET	20	38	107	1	15	22
135	QUINCY	MAPC	6	HONORABLE THOMAS S BURGIN PARKWAY		ACCESS ROAD	20	79	107	0	7	72
135	HAVERHILL	MVPC	4	BRIDGE STREET	125	WATER STREET	113	71	107	0	9	62
135	LYNN	MAPC	4	ESSEX STREET	123	EASTERN AVENUE	129	47	107	0	15	32
135	FALL RIVER	SRPEDD	5	BROADWAY	138	DIVISION STREET	123	50	107	1	12	37
135	FITCHBURG	MRPC	3	SOUTH STREET	150	WANOOSNOC ROAD		47	107	0	15	32
135	LYNN	MAPC	4	BROADWAY		EUCLID AVENUE	1	55	107	0	13	42
135	LAWRENCE	MVPC	4	MARSTON STREET		FERRY STREET		35	107	0	18	17
144	LEXINGTON	MAPC	4	BEDFORD STREET	4	HARTWELL AVENUE		50	106	0	14	36
144	WORCESTER	CMRPC	3	VERNON STREET	122A	DORCHESTER STREET		50	106	0	14	36
144	NATICK	MAPC	3	WEST CENTRAL STREET	135	SPEEN STREET		54	106	0	13	41
144	WORCESTER	CMRPC	3	HIGHLAND STREET	9	PARK AVENUE	12	62	106	0	11	51
144	ACTON	MAPC	3	MASSACHUSETTS AVENUE	2	PIPER ROAD		34	106	0	18	16
149	SPRINGFIELD	PVPC	2	MAPLE STREET		UNION STREET		37	105	0	17	20
149	BARNSTABLE	CCC	5	YARMOUTH ROAD		IYANNOUGH ROAD	28	57	105	0	12	45
149	BROCKTON	OCPC	5	NORTH MONTELLO STREET	28	EAST ASHLAND STREET		33	105	0	18	15
149	BROCKTON	OCPC	5	MAIN STREET		NILSSON STREET		35	105	2	13	20
153	REVERE	MAPC	4	SQUIRE ROAD	60	SIGOURNEY STREET		32	104	0	18	14
153	SPRINGFIELD	PVPC	2	STATE STREET		ORLEANS STREET		32	104	0	18	14
153	WORCESTER	CMRPC	3	MAIN STREET	9	CURTIS PARKWAY		48	104	0	14	34
156	LOWELL	NMCOG	4	CENTRAL STREET		MIDDLESEX STREET	1	51	103	0	13	38
156	SPRINGFIELD	PVPC	2	BOSTON ROAD		COVINGTON STREET	1	35	103	0	17	18
158	NEW BEDFORD	SRPEDD	5	ASHLEY BOULEVARD	18	COGGESHALL STREET	1	37	102	1	14	22
158	CAMBRIDGE	MAPC	6	MASSACHUSETTS AVENUE	2A	VASSAR STREET	1	46	102	0	14	32
158	CAMBRIDGE	MAPC	6	MASSACHUSETTS AVENUE	2A	NORFOLK STREET		42	102	0	15	27
158	NATICK	MAPC	3	SPEEN STREET	4	CLOVERLEAF MARKETPLACE SHOPPING CENTER	-	66	102	0	9	57
158	WORCESTER	CMRPC	3	GRAFTON STREET	122	PLANTATION STREET	ı	50	102	0	13	37

	2012-2014 STATEWIDE TOP 200 INTERSECTION CRASH LIST												
Rank	Town	RPA	MassDOT District	Street 1	Route 1	Street 2	Route 2	Total Crashes	EPDO Crashes	Fatal Crashes	Injury Crashes	PDO & Non Reported Crashes	
158	LEOMINSTER	MRPC	3	NORTH MAIN STREET	12	NELSON STREET		66	102	0	9	57	
164	FAIRHAVEN	SRPEDD	5	HUTTLESTON AVENUE	6	SCONTICUT NECK ROAD		53	101	0	12	41	
164	CAMBRIDGE	MAPC	6	FRESH POND PARKWAY	3	MOUNT AUBURN STREET		41	101	0	15	26	
164	WORCESTER	CMRPC	3	MADISON STREET	122	KELLEY SQUARE (BY ADDRESS)		57	101	0	11	46	
164	WORCESTER	CMRPC	3	MILLBROOK STREET		GOLD STAR BOULEVARD	12	41	101	0	15	26	
164	NATICK	MAPC	3	WORCESTER STREET	9	DEAN ROAD		69	101	0	8	61	
164	SPRINGFIELD	PVPC	2	MAIN STREET		MARBLE STREET		37	101	0	16	21	
164	DEDHAM	MAPC	6	BOSTON PROVIDENCE TURNPIKE		LEGACY BOULEVARD		45	101	0	14	31	
171	QUINCY	MAPC	6	HANCOCK STREET	3A	EAST SQUANTUM STREET		60	100	0	10	50	
171	FALL RIVER	SRPEDD	5	SOUTH MAIN STREET		WASHINGTON STREET		44	100	0	14	30	
171	LOWELL	NMCOG	4	VETERANS OF FOREIGN WARS HIGHWAY		UNIVERSITY AVENUE		44	100	0	14	30	
171	SEEKONK	SRPEDD	5	FALL RIVER AVENUE	6	COMMERCE WAY		60	100	0	10	50	
171	FRAMINGHAM,NATICK	MAPC	3	WORCESTER ROAD	9	SHOPPERS WORLD		56	100	0	11	45	
171	LEOMINSTER	MRPC	3	NORTH MAIN STREET	12	HAMILTON STREET		52	100	0	12	40	
171	ANDOVER	MVPC	4	MAIN STREET	28	ANDOVER VILLAGE SQUARE		60	100	0	10	50	
171	FITCHBURG	MRPC	3	WATER STREET	12	CENTRAL PLAZA		76	100	0	6	70	
171	BROCKTON	OCPC	5	BELMONT STREET	123	MASS AVENUE		36	100	0	16	20	
180	HOLYOKE	PVPC	2	MAPLE STREET		RESNIC BOULEVARD		43	99	0	14	29	
180	NEW BEDFORD	SRPEDD	5	KEMPTON STREET	6	ROCKDALE AVENUE		55	99	0	11	44	
180	WATERTOWN	MAPC	6	GALEN STREET		WATERTOWN STREET		35	99	0	16	19	
180	LYNN	MAPC	4	BOSTON STREET		HAMILTON STREET		46	99	1	11	34	
180	SOMERVILLE	MAPC	4	BROADWAY		MCGRATH HIGHWAY	28	39	99	0	15	24	
180	SWANSEA	SRPEDD	5	GRAND ARMY OF THE REPUBLIC HIGHWAY	6	GARDNERS NECK ROAD		35	99	0	16	19	
180	SPRINGFIELD	PVPC	2	FOREST PARK AVENUE		SUMNER AVENUE	83	31	99	0	17	14	
180	BROCKTON	OCPC	5	NORTH MAIN STREET		EAST ASHLAND STREET		35	99	0	16	19	
188	WALPOLE	MAPC	5	WASHINGTON STREET		POLLEY LANE		42	98	0	14	28	
188	SALEM	MAPC	4	NORTH STREET	114	MASON STREET	1	45	98	1	11	33	
188	LYNN	MAPC	4	BROADWAY	129	SPRINGVALE AVENUE	1	46	98	0	13	33	
188	ABINGTON	OCPC	5	BEDFORD STREET	18	RANDOLPH STREET	139	50	98	0	12	38	
188	HOLBROOK	MAPC	5	SOUTH FRANKLIN STREET	37	PLYMOUTH STREET	139	50	98	0	12	38	
193	BARNSTABLE	CCC	5	PITCHERS WAY		FALMOUTH ROAD	28	28	97	1	15	12	
193	DANVERS	MAPC	4	ANDOVER STREET	114	GARDEN STREET	1	37	97	0	15	22	
193	SOMERSET	SRPEDD	5	GRAND ARMY OF THE REPUBLIC HIGHWAY	6	LEES RIVER AVENUE	+	41	97	0	14	27	
193	LYNN	MAPC	4	LYNNWAY	1A	COMMERCIAL STREET	+	49	97	0	12	37	
193	LOWELL	NMCOG	4	GORHAM STREET	+	ELM STREET	+	45	97	0	13	32	
193	WEYMOUTH	MAPC	6	UNION STREET	4.0	PLEASANT STREET	+	69	97	0	7	62	
193	CHELSEA	MAPC	6	REVERE BEACH PARKWAY	16	WASHINGTON AVENUE	1	41	97	0	14	27	
193	BROCKTON	OCPC	5	NORTH PEARL STREET	27	OAK STREET		37	97	0	15	22	

Top Crash Intersections 2012 - 2014



RANK 1

WORCESTER

KELLEY SQUARE WATER STREET **ROUTE 122A**

MassDOT District 3

RPA CMRPC

EPDO: 309

Number of Fatal Crashes: 0 Number of Injury Crashes: 33 Number of Non-Injury Crashes: 144

Total Crashes: 177

Legend

Crashes 2012-2014

——— All Functional Classification Except Local Roads

Local Roads

Top 200 Intersections



Top Crash Intersections 2012 - 2014



RANK 2

BROCKTON

PLEASANT STREET WEST STREET

ROUTE 27

MassDOT District 5

RPA OCPC EPDO: 309

Number of Fatal Crashes: 0

Number of Injury Crashes: 50 Number of Non-Injury Crashes: 59

Total Crashes: 109

Legend

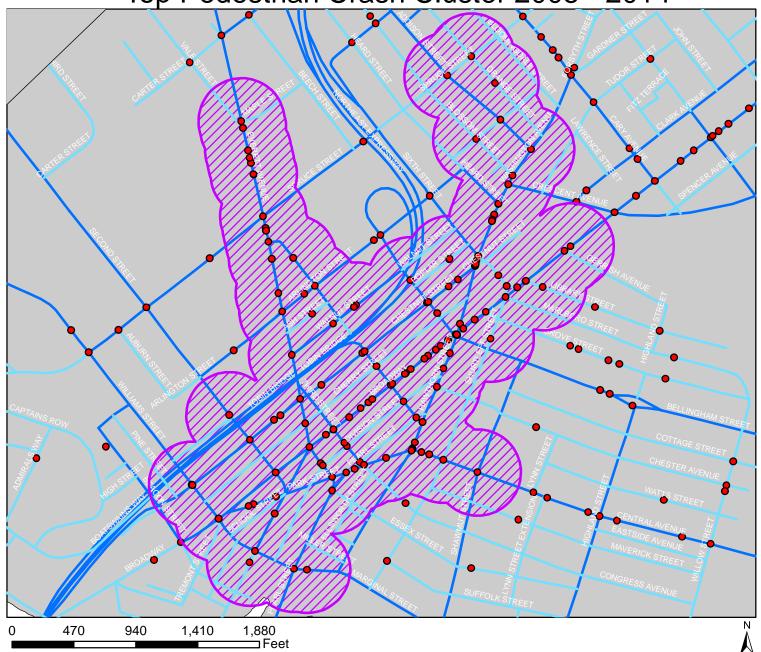
Crashes 2012-2014

All Functional Classification Except Local Roads

Local Roads

Top 200 Intersections





RANK 1

CHELSEA

MassDOT District 6

RPA MAPC

EPDO: 1003

Number of Fatal Crashes: 0 Number of Injury Crashes: 189 Number of Non-Injury Crashes: 58

Total Crashes: 247

Legend

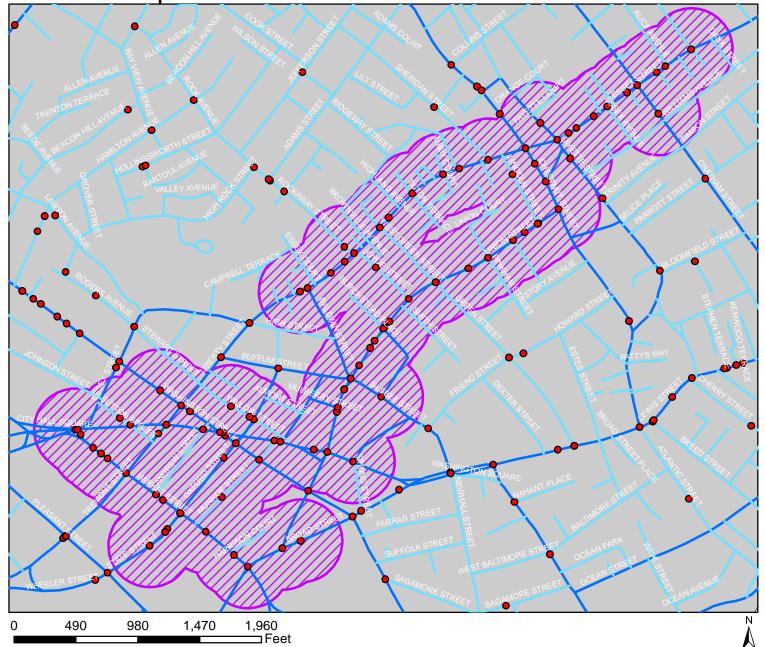
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 2

LYNN

MassDOT District 4

RPA MAPC

EPDO: 693

Number of Fatal Crashes: 3 Number of Injury Crashes: 120 Number of Non-Injury Crashes: 63

Total Crashes: 186

Legend

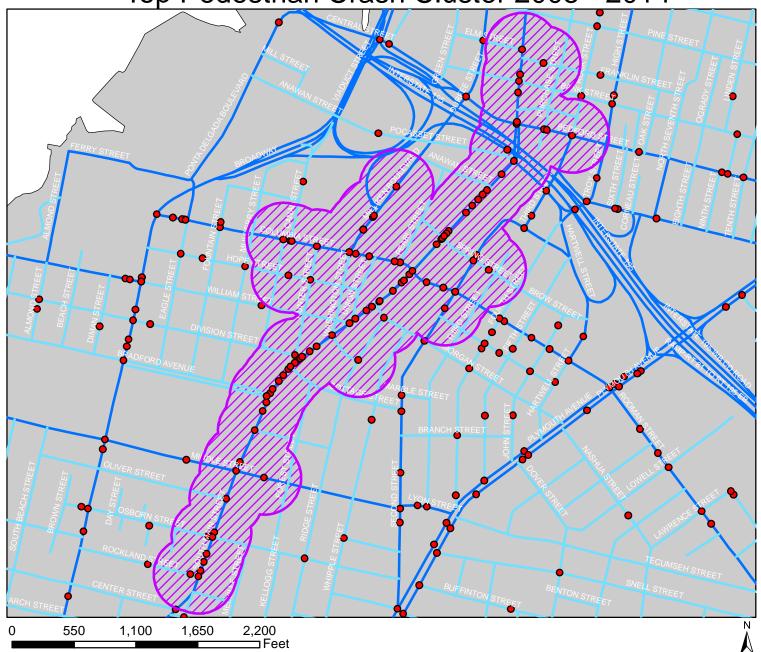
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 3

FALL RIVER

MassDOT District 5 RPA SRPEDD

EPDO: 502

Number of Fatal Crashes: 0 Number of Injury Crashes: 95 Number of Non-Injury Crashes: 27

Total Crashes: 122

Legend

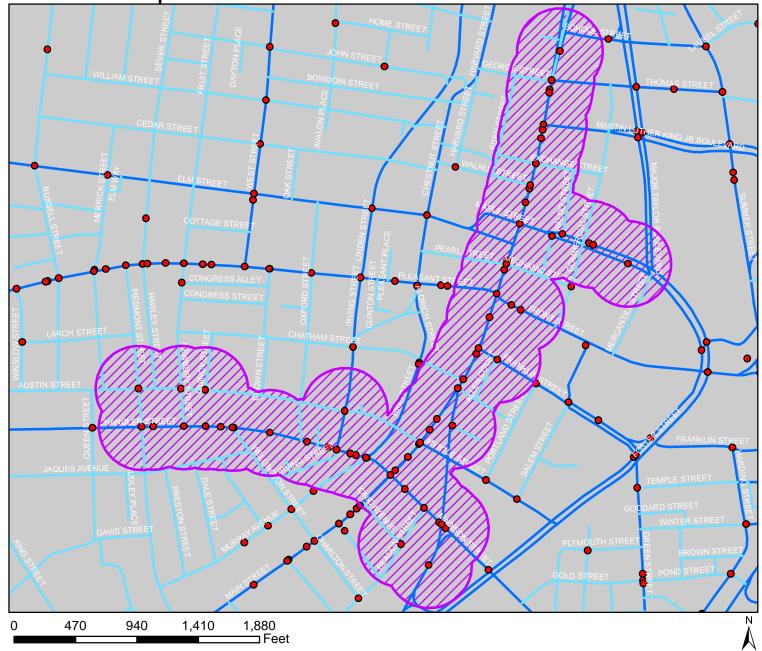
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 4

WORCESTER

MassDOT District 3 RPA CMRPC

EPDO: 467

Number of Fatal Crashes: 1 Number of Injury Crashes: 85 Number of Non-Injury Crashes: 32

Total Crashes: 118

Legend

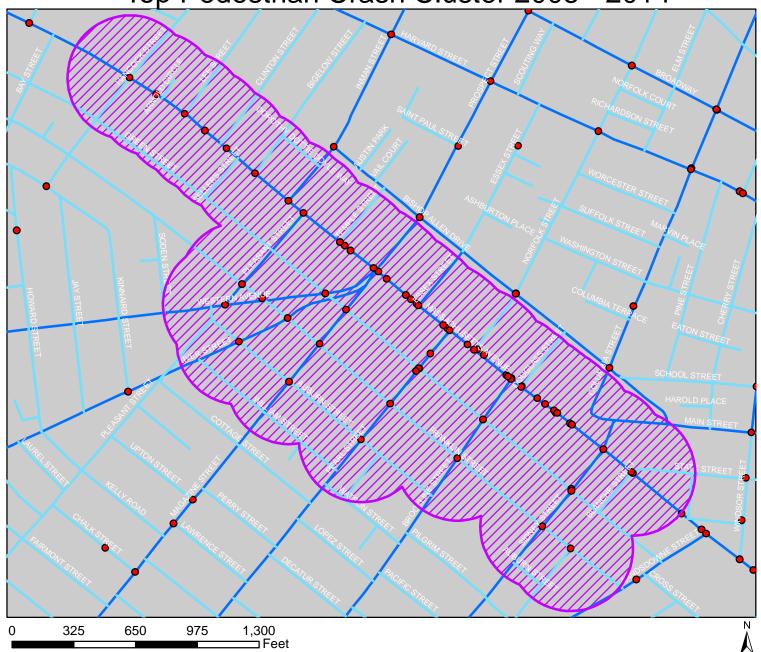
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 5

CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO: 454

Number of Fatal Crashes: 4
Number of Injury Crashes: 71

Number of Non-Injury Crashes: 59

Total Crashes: 134

Legend

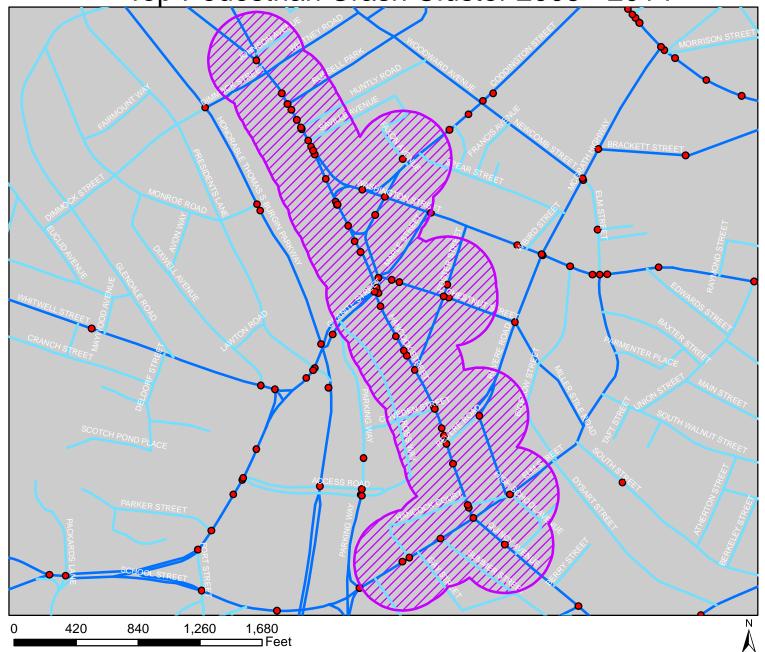
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 6

QUINCY

MassDOT District 6

RPA MAPC

EPDO: 350

Number of Fatal Crashes: 1
Number of Injury Crashes: 63

Number of Non-Injury Crashes: 25

Total Crashes: 89

Legend

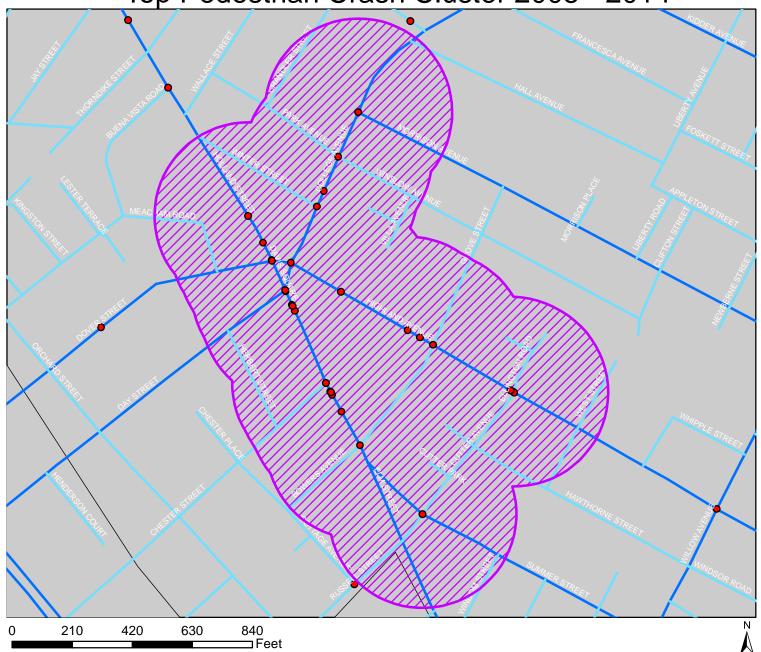
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 7

SOMERVILLE, CAMBRIDGE

MassDOT District 4,6

RPA MAPC

EPDO: 254

Number of Fatal Crashes: 1 Number of Injury Crashes: 46 Number of Non-Injury Crashes: 14

Total Crashes: 61

Legend

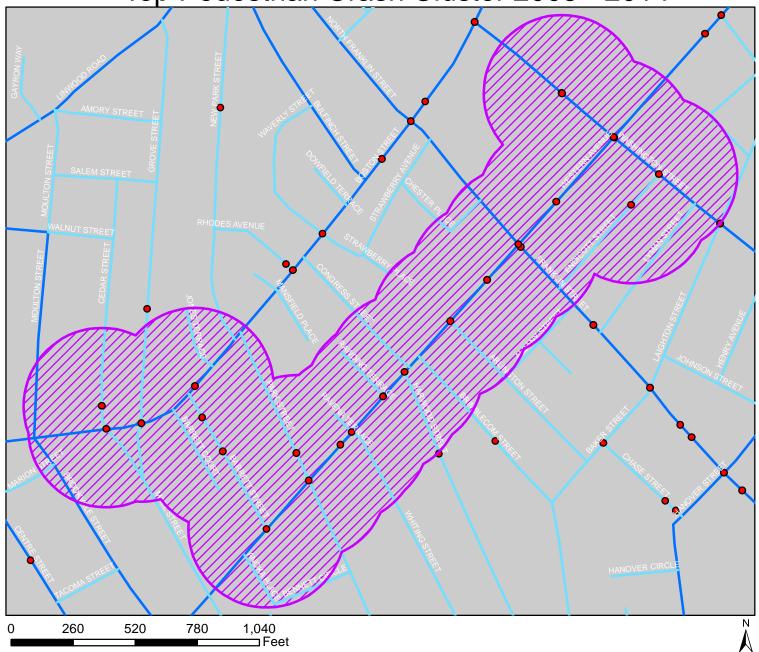
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 8

LYNN

MassDOT District 4

RPA MAPC

EPDO: 222

Number of Fatal Crashes: 1 Number of Injury Crashes: 41 Number of Non-Injury Crashes: 7

Total Crashes: 49

Legend

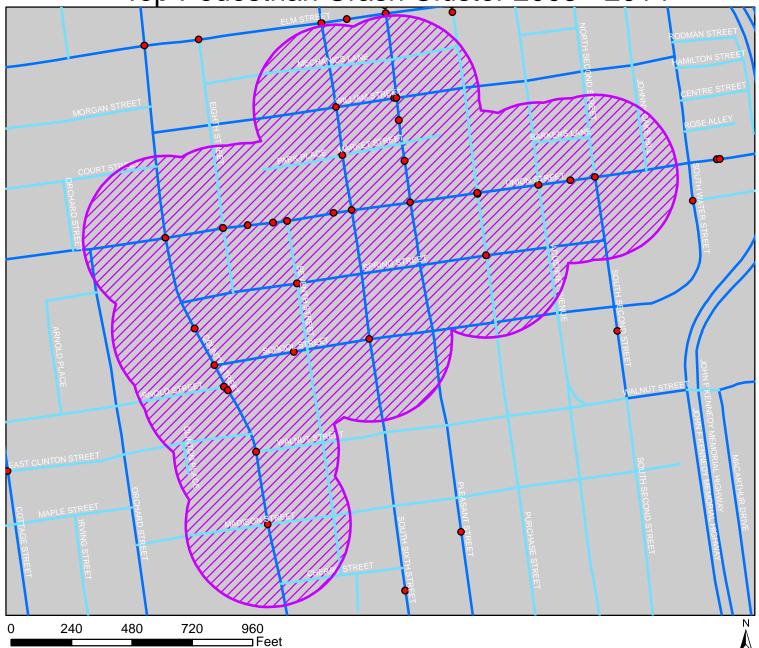
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 9

NEW BEDFORD

MassDOT District 5 RPA SRPEDD

EPDO: 210

Number of Fatal Crashes: 0 Number of Injury Crashes: 40 Number of Non-Injury Crashes: 10

Total Crashes: 50

Legend

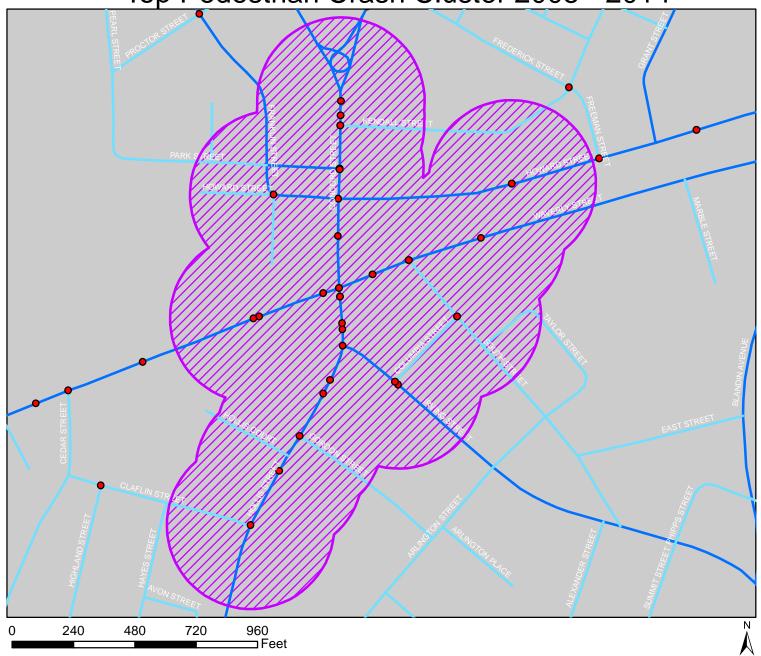
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 10

FRAMINGHAM

MassDOT District 3

RPA MAPC

EPDO: 204

Number of Fatal Crashes: 1 Number of Injury Crashes: 38 Number of Non-Injury Crashes: 4

Total Crashes: 43

Legend

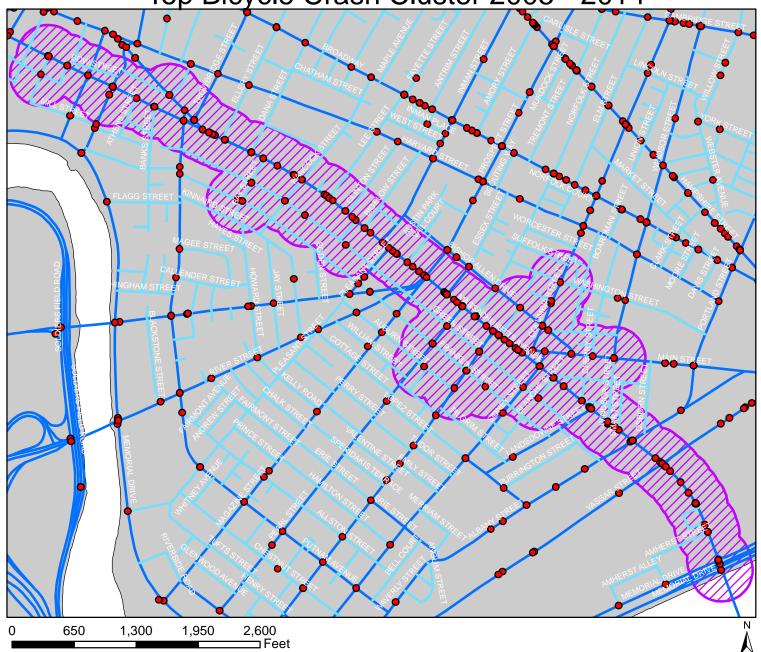
Pedestrian Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Pedestrian Cluster 2005 - 2014





RANK 1

CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO: 1055

Number of Fatal Crashes: 1 Number of Injury Crashes: 185 Number of Non-Injury Crashes: 120

Total Crashes: 306

Legend

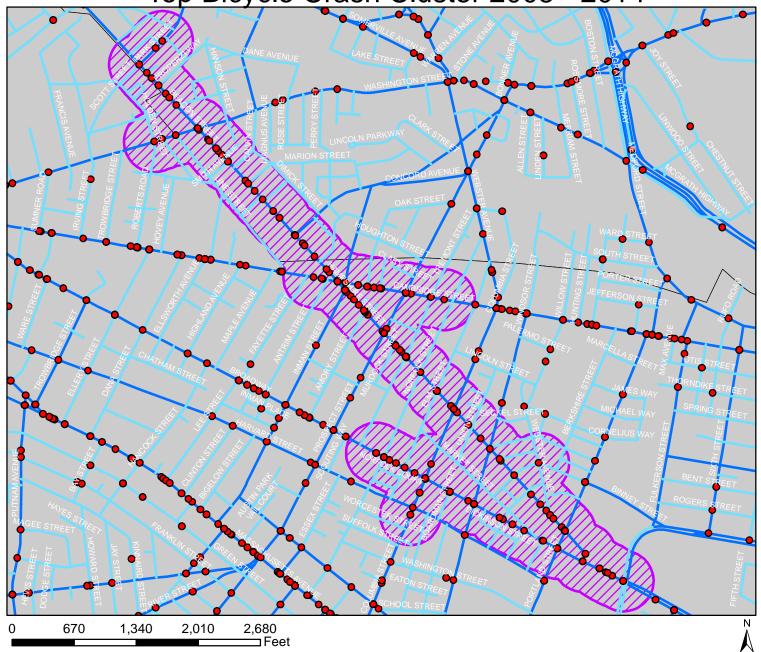
Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014





RANK 2

CAMBRIDGE, SOMERVILLE

MassDOT District 6,4

RPA MAPC

EPDO: 911

Number of Fatal Crashes: 0 Number of Injury Crashes: 162 Number of Non-Injury Crashes: 101

Total Crashes: 263

Legend

Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014



RANK 3

CAMBRIDGE, SOMERVILLE

1,620

MassDOT District 6,4

RPA MAPC

540

EPDO: 521

Number of Fatal Crashes: 0 Number of Injury Crashes: 95 Number of Non-Injury Crashes: 46

1,080

Total Crashes: 141

Legend

Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014



RANK 4

SOMERVILLE

MassDOT District 4

RPA MAPC

225

EPDO: 144

Number of Fatal Crashes: 0 Number of Injury Crashes: 27 Number of Non-Injury Crashes: 9

450

675

Total Crashes: 36

Legend

Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014



RANK 5

CAMBRIDGE

210

MassDOT District 6

RPA MAPC

EPDO: 143

Number of Fatal Crashes: 0 Number of Injury Crashes: 25 Number of Non-Injury Crashes: 18

420

630

840 ☐ Feet

Total Crashes: 43

Legend

Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014



RANK 6

CAMBRIDGE

MassDOT District 6

RPA MAPC

150

300

EPDO: 129

Number of Fatal Crashes: 0 Number of Injury Crashes: 22 Number of Non-Injury Crashes: 19

450

600 ⊐Feet

Total Crashes: 41

Legend

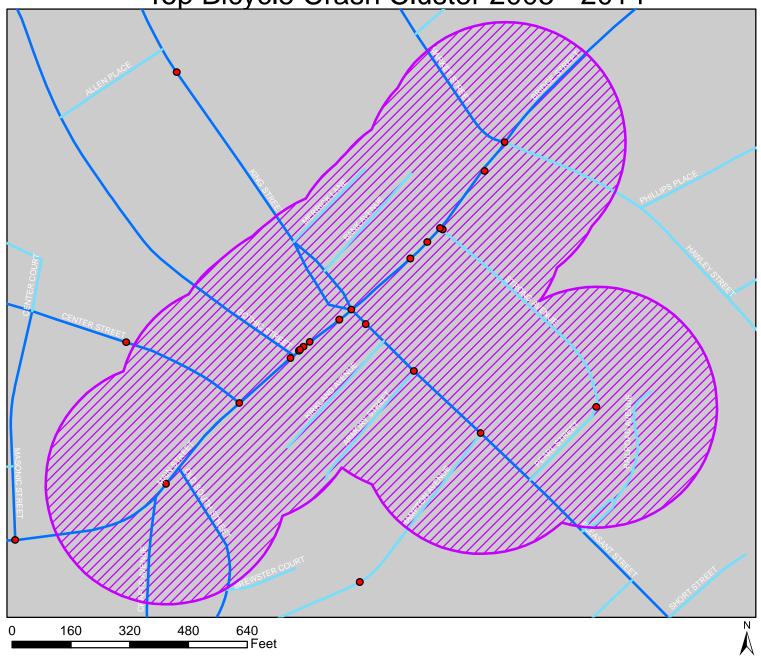
Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014





RANK 7

NORTHAMPTON

MassDOT District 2

RPA PVPC

EPDO: 126

Number of Fatal Crashes: 1 Number of Injury Crashes: 22 Number of Non-Injury Crashes: 6

Total Crashes: 29

Legend

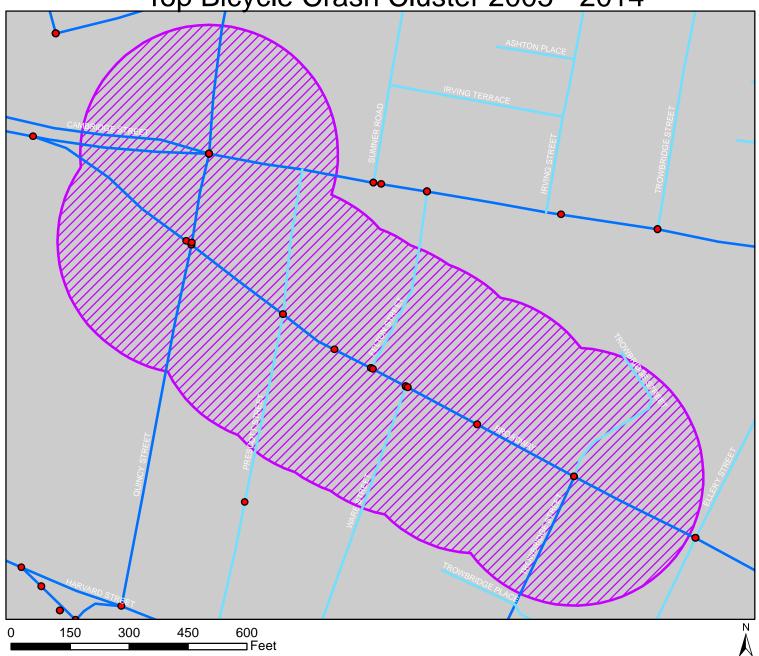
Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014





RANK 8

CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO: 112

Number of Fatal Crashes: 0 Number of Injury Crashes: 20 Number of Non-Injury Crashes: 12

Total Crashes: 32

Legend

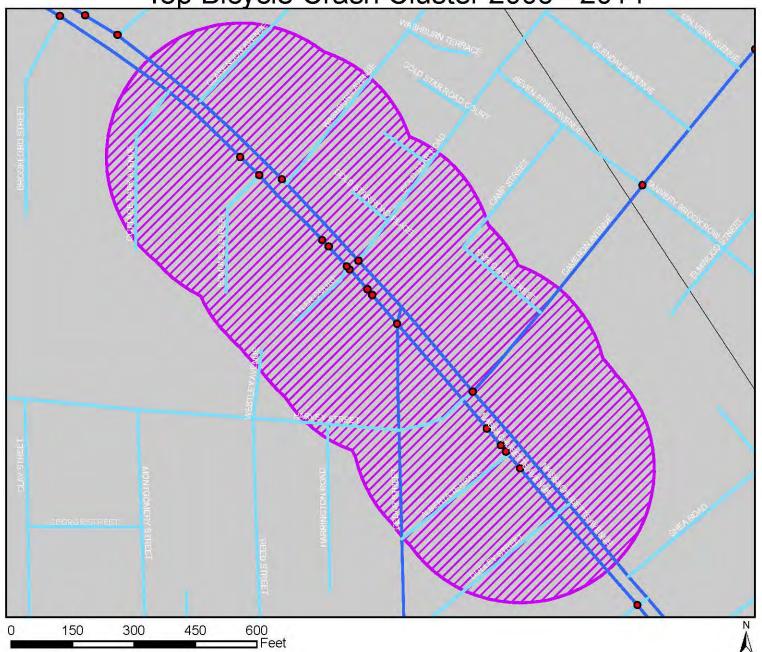
Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014





RANK 9

CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO: 104

Number of Fatal Crashes: 0 Number of Injury Crashes: 20 Number of Non-Injury Crashes: 4

Total Crashes: 24

Legend

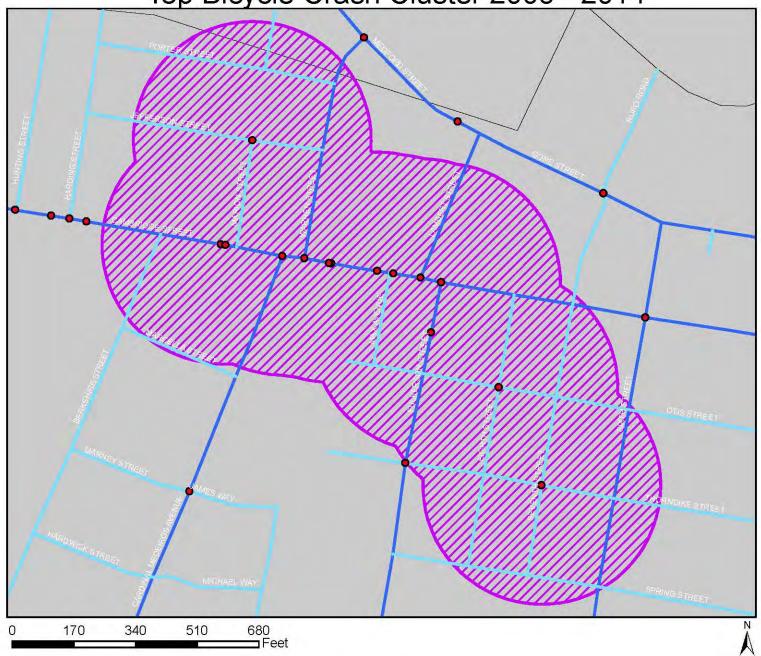
Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

Top Bicycle Cluster 2005 - 2014





RANK 10

CAMBRIDGE, SOMERVILLE

MassDOT District 6,4

RPA MAPC

EPDO: 100

Number of Fatal Crashes: 0 Number of Injury Crashes: 18 Number of Non-Injury Crashes: 10

Total Crashes: 28

Legend

Bike Crashes 2005 - 2014

Local Roads

All Functional Classification Except Local Roads

7777 Top Bicycle Cluster 2005 - 2014

