



*massDOT*  
Massachusetts Department of Transportation

**2015 TOP CRASH  
LOCATIONS REPORT  
MARCH 2018**





Charles D. Baker, Governor  
Karyn E. Polito, Lieutenant Governor  
Stephanie Pollack, Secretary & CEO  
Jonathan L. Gulliver, Highway Administrator



Dear Reader:

Enclosed is MassDOT Highway Division's edition of the 2015 *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 2015 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 2015 *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, is in the process of updating the Massachusetts Strategic Highway Safety Plan (SHSP), which was last updated in 2014. 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. To view the 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/StrategicHighwaySafetyPlan.aspx>.

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, Assistant Administrator for Traffic and Safety, at (857) 368-9655.

Sincerely,

Jonathan Gulliver,  
Highway Administrator

# TOP HIGH CRASH LOCATIONS REPORT

## Top 200 Intersection Locations 2013-2015

## Top Pedestrian Locations 2006-2015

## Top Bicycle Locations 2006-2015

### 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 2013-2015 and also includes the weighted (by crash severity) highest frequency bicycle-motor vehicle and pedestrian-motor vehicle crash locations for 2006-2015. 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 2013 and 2015 is approximately 96%. 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	2008	2009	2010	2011	2012	2013	2014	2015
Local Police	93,649	93,649	94,458	104,201	104,316	105,647	109,805	116,245
Other Police	198	123	154	129	163	116	100	121
State Police	15,822	15,519	16,882	16,280	18,160	19,521	20,316	22,679
Operator	26,715	9,302	4,149	22	7	1	12	5
TOTAL	136,384	117,776	115,643	120,632	122,646	125,285	130,233	139,050

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. The number one ranked location is Kelley Square in Worcester. It may appear to include an interchange but the majority of crashes actually occur within Kelley Square therefore it was included in our ranking. 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 2013 to 2015. 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 2006-2015, 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, Assistant Administrator for Traffic and Safety, 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.”

2013-2015 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		WATER STREET		294	542	0	62	232
2	LOWELL	NMCOG	4	BRIDGE STREET	38	VETERANS OF FOREIGN WARS HIGHWAY	110	129	293	0	41	88
3	SWANSEA	SRPEDD	5	MARKET STREET	136	GRAND ARMY OF THE REPUBLIC HIGHWAY	6	130	282	0	38	92
4	LOWELL	NMCOG	4	APPLETON STREET	110	CENTRAL STREET		117	281	0	41	76
5	SPRINGFIELD	PVPC	2	SUMNER AVENUE	83	BELMONT AVENUE	83	110	254	0	36	74
6	LOWELL	NMCOG	4	VETERANS OF FOREIGN WARS HIGHWAY	113	VARNUM AVENUE		151	247	0	24	127
7	WEYMOUTH	MAPC	6	MAIN STREET	18	MIDDLE STREET		113	229	0	29	84
8	BRAINTREE	MAPC	6	GRANITE STREET	37	COMMON STREET		100	228	0	32	68
9	MEDFORD	MAPC	4	REVERE BEACH PARKWAY	16	FELLSWAY	28	104	220	0	29	75
10	QUINCY	MAPC	6	SOUTHERN ARTERY	3A	BROAD STREET		106	218	0	28	78
11	BROCKTON	OCPC	5	PLEASANT STREET	27	WEST STREET		81	213	0	33	48
11	LYNNFIELD	MAPC	4	BROADWAY	1	SALEM STREET	129	113	213	0	25	88
13	NEW BEDFORD	SRPEDD	5	ALFRED BESSETTE MEMORIAL HIGHWAY	140	KEMPTON STREET	6	88	208	0	30	58
14	BOSTON	MAPC	6	MORTON STREET	203	HARVARD STREET		51	195	0	36	15
15	PEMBROKE	MAPC_OCPC	5	CHURCH STREET	139	OLD OAK STREET		73	193	0	30	43
16	RAYNHAM	SRPEDD	5	ROUTE 44	44	ORCHARD STREET		88	192	0	26	62
17	CAMBRIDGE	MAPC	6	MEMORIAL DRIVE		MASSACHUSETTS AVENUE	2A	89	190	1	23	65
18	PEABODY	MAPC	4	NEWBURYPORT TURNPIKE (JUGHANDLE)	1			97	189	0	23	74
19	WORCESTER	CMRPC	3	BELMONT STREET	9	EDWARD STREET		94	186	0	23	71
20	WEBSTER	CMRPC	3	WORCESTER ROAD	12	EAST MAIN STREET	12	101	185	0	21	80
21	LOWELL	NMCOG	4	MIDDLESEX STREET		WOOD STREET		103	183	0	20	83
21	WESTFORD	NMCOG	3	LITTLETON ROAD	110	BOSTON ROAD		143	183	0	10	133
23	MILFORD	MAPC	3	CEDAR STREET	85	OLD CEDAR STREET		93	181	0	22	71
24	BOSTON	MAPC	6	MASSACHUSETTS AVENUE CONNECTOR		FRONTAGE ROAD		96	180	0	21	75
25	TYNGSBOROUGH	NMCOG	4	MIDDLESEX ROAD	3A	KENDALL ROAD		75	179	0	26	49
26	SPRINGFIELD	PVPC	2	SAINT JAMES BOULEVARD	20A	SAINT JAMES AVENUE		60	172	0	28	32
27	BELLINGHAM	MAPC	3	HARTFORD AVENUE	126	CROSSROADS SHOPPING CENTER		114	166	0	13	101
28	BROCKTON	OCPC	5	MAIN STREET		LEGION PARKWAY	123	59	164	1	24	34
28	WEYMOUTH	MAPC	6	MAIN STREET	18	POND STREET (PLEASANT SHOPS PLAZA)		72	164	0	23	49
30	FALL RIVER	SRPEDD	5	PLYMOUTH AVENUE	81	RODMAN STREET		95	163	0	17	78
31	CHELSEA	MAPC	6	REVERE BEACH PARKWAY	16	GARFIELD AVENUE		74	162	0	22	52
32	BROCKTON	OCPC	5	ASH STREET		WEST ELM STREET		57	161	0	26	31
33	WORCESTER	CMRPC	3	CHANDLER STREET	122	MURRAY AVENUE		68	160	0	23	45
34	HAVERTHILL	MVPC	4	WASHINGTON STREET	110	RIVER STREET	110	87	159	0	18	69
35	LYNN	MAPC	4	LYNNFIELD STREET	129	BROADWAY		110	158	0	12	98
36	SPRINGFIELD	PVPC	2	MAIN STREET		PLAINFIELD STREET		56	156	0	25	31
37	FRAMINGHAM	MAPC	3	WORCESTER ROAD	9	COCHITUATE ROAD		51	155	0	26	25
38	FALL RIVER	SRPEDD	5	BEDFORD STREET		TROY STREET		54	154	0	25	29
39	LOWELL	NMCOG	4	VETERANS OF FOREIGN WARS HIGHWAY		AIKEN STREET		64	152	0	22	42
39	WORCESTER	CMRPC	3	PARK AVENUE	9	MAY STREET		80	152	0	18	62
41	HOLYOKE	PVPC	2	MAIN STREET	116	CABOT STREET	116	59	151	0	23	36
41	WRENTHAM	MAPC	5	SOUTH STREET	1A	PREMIUM OUTLET BOULEVARD		75	151	0	19	56
43	PLAINVILLE	SRPEDD	5	MESSENGER STREET	106	TAUNTON STREET	152	102	150	0	12	90
44	METHUEN	MVPC	4	HAVERTHILL STREET	110	WOODLAND STREET		97	149	0	13	84
44	FALL RIVER	SRPEDD	5	PLEASANT STREET		PLYMOUTH AVENUE		89	149	0	15	74
46	FRAMINGHAM	MAPC	3	WORCESTER ROAD	9	CALIFORNIA AVENUE		60	148	0	22	38
47	MILTON	MAPC	6	RANDOLPH AVENUE	28	CHICKATAWBUT ROAD		45	146	1	23	21
48	LEOMINSTER	MRPC	3	MAIN STREET	13	HAMILTON STREET		95	143	0	12	83
49	SWANSEA	SRPEDD	5	GRAND ARMY OF THE REPUBLIC HIGHWAY	6	SWANSEA MALL DRIVE	118	54	142	0	22	32
49	SPRINGFIELD	PVPC	2	SAINT JAMES AVENUE		CAREW STREET		46	142	0	24	22
51	SPRINGFIELD	PVPC	2	BOSTON ROAD	20	PARKER STREET	21	53	141	0	22	31
51	FITCHBURG	MRPC	3	WANOOSNOC ROAD		WATER STREET	12	65	141	0	19	46
51	MEDFORD	MAPC	4	REVERE BEACH PARKWAY	16	FELLSWAY	28	81	141	0	15	66
51	BOSTON	MAPC	6	GALLIVAN BOULEVARD	3A	NEPONSET AVENUE		69	141	0	18	51

2013-2015 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
55	WESTBOROUGH	CMRPC	3	BOSTON WORCESTER TURNPIKE	9	OTIS STREET		92	140	0	12	80
55	EVERETT	MAPC	4	REVERE BEACH PARKWAY	16	EVERETT AVENUE		56	140	0	21	35
57	WEST BRIDGEWATER	OCPC	5	WEST CENTER STREET	106	PROSPECT STREET		63	139	0	19	44
57	ATTLEBORO	SRPEDD	5	NEWPORT AVENUE	1A	BRISTOL PLACE SHOPPING CENTER		75	139	0	16	59
59	WORCESTER	CMRPC	3	MAIN STREET		PARK AVENUE		54	138	0	21	33
59	SPRINGFIELD	PVPC	2	BOSTON ROAD	20	PASCO ROAD		46	138	0	23	23
61	YARMOUTH	CCC	5	NORTH MAIN STREET		ROUTE 28	28	67	136	1	15	51
62	WORCESTER	CMRPC	3	HARVARD STREET		LINCOLN SQUARE	9	67	135	0	17	50
63	NEW BEDFORD	SRPEDD	5	ACUSHNET AVENUE		HATHAWAY STREET		66	134	0	17	49
63	FALL RIVER	SRPEDD	5	PLYMOUTH AVENUE	81	BY ADDRESS NEAR 311		58	134	0	19	39
65	LYNN	MAPC	4	WESTERN AVENUE	107	CHESTNUT STREET		61	133	0	18	43
65	BROCKTON	OCPC	5	PLEASANT STREET	27	NORTH ASH STREET		49	133	0	21	28
67	WORCESTER	CMRPC	3	PARK AVENUE	9	MAYWOOD STREET		64	132	0	17	47
67	SOMERSET	SRPEDD	5	BRAYTON AVENUE		SLADES FERRY AVENUE		48	132	0	21	27
67	SPRINGFIELD	PVPC	2	STATE STREET		SAINT JAMES AVENUE		44	132	0	22	22
67	FAIRHAVEN	SRPEDD	5	ALDEN ROAD		BRIDGE STREET		68	132	0	16	52
67	SEEKONK	SRPEDD	5	TAUNTON AVENUE	44	FALL RIVER AVENUE		76	132	0	14	62
67	CHICOPEE	PVPC	2	MONTGOMERY STREET		MCKINSTRY AVENUE		76	132	0	14	62
73	MARLBOROUGH	MAPC	3	EAST MAIN STREET	20	CURTIS AVENUE		95	131	0	9	86
73	SPRINGFIELD	PVPC	2	BOSTON ROAD		COVINGTON STREET		47	131	0	21	26
75	LEOMINSTER	MRPC	3	NORTH MAIN STREET	12	NELSON STREET		74	130	0	14	60
75	SPRINGFIELD	PVPC	2	BOSTON ROAD		HARVEY STREET		42	130	0	22	20
77	BARNSTABLE	CCC	5	YARMOUTH ROAD		IYANNOUGH ROAD	28	57	129	0	18	39
77	WORCESTER	CMRPC	3	MAIN STREET		CHANDLER STREET	122	57	129	0	18	39
77	BROCKTON	OCPC	5	PLEASANT STREET	27	WARREN AVENUE		45	129	0	21	24
80	WORCESTER	CMRPC	3	SOUTHBRIDGE STREET		HAMMOND STREET		60	128	0	17	43
81	SOMERVILLE	MAPC	4	MYSTIC AVENUE	38	FELLSWAY	38	59	127	0	17	42
81	BOSTON	MAPC	6	SOLDIERS FIELD ROAD		CAMBRIDGE STREET		63	127	0	16	47
83	CHICOPEE	PVPC	2	BROADWAY		EAST MAIN STREET	141	62	126	0	16	46
83	WORCESTER	CMRPC	3	CHANDLER STREET	122	MASON STREET		58	126	0	17	41
83	LYNN	MAPC	4	WESTERN AVENUE	107	FRANKLIN STREET		66	126	0	15	51
83	LYNN	MAPC	4	WESTERN AVENUE	107	WASHINGTON STREET	129	54	126	0	18	36
87	BROCKTON	OCPC	5	WARREN AVENUE	123	WEST ELM STREET		37	125	0	22	15
87	MILFORD	MAPC	3	MEDWAY ROAD	109	BEAVER STREET		61	125	0	16	45
87	BOSTON	MAPC	6	WILLIAM T MORRISSEY BOULEVARD		FREEMPTON STREET		65	125	0	15	50
87	SALEM	MAPC	4	HIGHLAND AVENUE	107	MARLBOROUGH ROAD		65	125	0	15	50
91	QUINCY	MAPC	6	HONORABLE THOMAS S BURGIN PARKWAY		WALTER J HANNON PARKWAY		88	124	0	9	79
91	SHREWSBURY	CMRPC	3	HARTFORD TURNPIKE		GRAFTON STREET	20	48	124	0	19	29
93	SPRINGFIELD	PVPC	2	STATE STREET		COLONIAL AVENUE		47	123	0	19	28
93	SPRINGFIELD	PVPC	2	EAST COLUMBUS AVENUE		UNION STREET		47	123	0	19	28
95	MILFORD	MAPC	3	MAIN STREET	16	SCHOOL STREET		62	122	0	15	47
95	WESTBOROUGH	CMRPC	3	BOSTON WORCESTER TURNPIKE	9	LYMAN STREET		86	122	0	9	77
97	FRAMINGHAM	MAPC	3	WAVERLY STREET	135	CONCORD STREET	126	65	121	0	14	51
98	MIDDLEBOROUGH	SRPEDD	5	SOUTH MAIN STREET	105	EAST GROVE STREET	28	72	120	0	12	60
98	MANSFIELD	SRPEDD	5	CHAUNCY STREET	106	NORTH MAIN STREET		56	120	0	16	40
98	NEW BEDFORD	SRPEDD	5	KEMPTON STREET	6	ROCKDALE AVENUE		56	120	0	16	40
98	METHUEN	MVPC	4	PLEASANT VALLEY STREET	113	MILK STREET		80	120	0	10	70
98	LOWELL	NMCOG	4	THORNDIKE STREET	3A	GALLAGHER TRANSPORTATION CENTER ENTRANCE		60	120	0	15	45
103	BROCKTON	OCPC	5	BELMONT STREET	123	MANLEY STREET		47	119	0	18	29
103	BROCKTON	OCPC	5	CRESCENT STREET	27	LYMAN STREET		43	119	0	19	24
103	HOLBROOK	MAPC	5	SOUTH FRANKLIN STREET	37	PLYMOUTH STREET	139	55	119	0	16	39
103	DEDHAM	MAPC	6	BOSTON PROVIDENCE TURNPIKE		LEGACY BOULEVARD		43	119	0	19	24
103	WORCESTER	CMRPC	3	SOUTHBRIDGE STREET		MADISON STREET	122	55	119	0	16	39
103	BOSTON	MAPC	6	JAMAICAWAY		BYNNER STREET		43	119	0	19	24



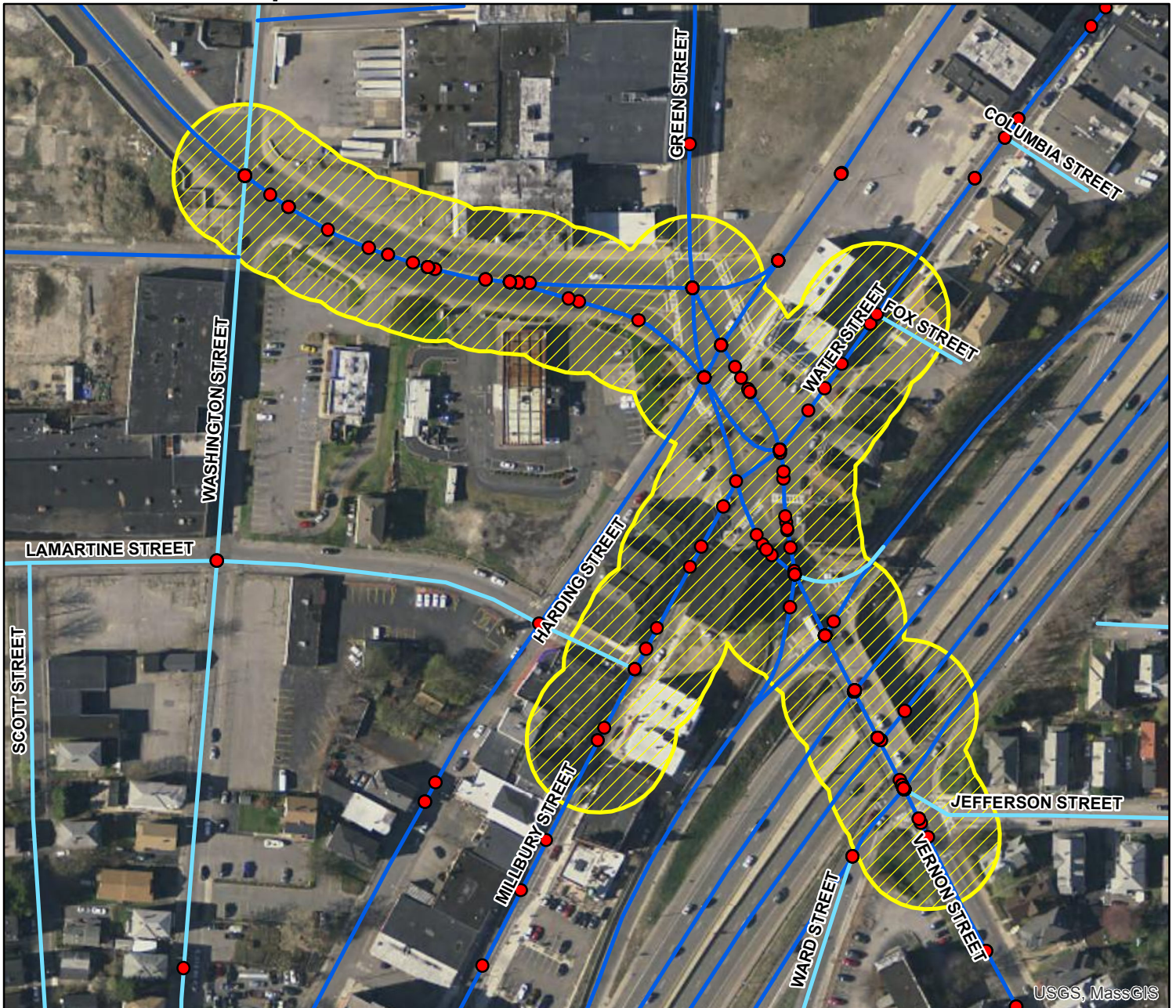
2013-2015 STATEWIDE TOP 200 INTERSECTION CRASH LIST

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
103	LOWELL	NMCOG	4	NESMITH STREET	38	ANDOVER STREET	133	67	119	0	13	54
110	LOWELL	NMCOG	4	CENTRAL STREET		MIDDLESEX STREET		54	118	0	16	38
110	CHICOPEE	PVPC	2	MEMORIAL DRIVE	33	CHICOPEE MARKETPLACE		70	118	0	12	58
110	BROCKTON	OCPC	5	MAIN STREET		BELMONT STREET	123	34	118	0	21	13
110	AUBURN	CMRPC	3	WASHINGTON STREET	20	MILLBURY STREET		66	118	0	13	53
114	WORCESTER	CMRPC	3	MAIN STREET		MILL STREET	12	57	117	0	15	42
114	MIDDLEBOROUGH	SRPEDD	5	ROUTE 44	44	PLYMPTON STREET	105	53	117	0	16	37
116	WORCESTER	CMRPC	3	EAST CENTRAL STREET		SUMMER STREET		60	116	0	14	46
117	SPRINGFIELD	PVPC	2	STATE STREET		BENTON STREET		31	115	0	21	10
117	HAVERHILL	MVPC	4	BRIDGE STREET	125	WATER STREET	113	75	115	0	10	65
117	FALL RIVER	SRPEDD	5	PLEASANT STREET		QUARRY STREET		71	115	0	11	60
120	WORCESTER	CMRPC	3	GRAFTON STREET	122	MENDON STREET		66	114	0	12	54
120	SPRINGFIELD	PVPC	2	UNION STREET		WALNUT STREET		38	114	0	19	19
120	WORCESTER	CMRPC	3	HIGHLAND STREET (LINCOLN SQUARE)	9	MAIN STREET		66	114	0	12	54
120	SOMERVILLE	MAPC	4	BROADWAY		MCGRATH HIGHWAY	28	42	114	0	18	24
120	BOSTON	MAPC	6	GALLIVAN BOULEVARD	203	DORCHESTER AVENUE		38	114	0	19	19
120	WORCESTER	CMRPC	3	LINCOLN STREET	70	BEVERLY ROAD		54	114	0	15	39
126	CHELSEA	MAPC	6	REVERE BEACH PARKWAY	16	WASHINGTON AVENUE		45	113	0	17	28
126	LOWELL	NMCOG	4	CENTRAL STREET		JACKSON STREET		65	113	0	12	53
126	LAWRENCE	MVPC	4	MARSTON STREET		FERRY STREET		33	113	0	20	13
126	SPRINGFIELD	PVPC	2	STATE STREET		SPRING STREET		36	113	1	17	18
126	WEYMOUTH	MAPC	6	MAIN STREET	18	PARK AVENUE		73	113	0	10	63
126	PEABODY	MAPC	4	ANDOVER STREET	114	ESQUIRE DRIVE		53	113	0	15	38
132	LOWELL	NMCOG	4	THORNDIKE STREET	3A	HIGHLAND STREET		52	112	0	15	37
132	CAMBRIDGE	MAPC	6	MEMORIAL DRIVE	3	RIVER STREET		52	112	0	15	37
132	LYNN	MAPC	4	ESSEX STREET		JOYCE STREET		56	112	0	14	42
135	CAMBRIDGE	MAPC	6	MONSIGNOR OBRIEN HIGHWAY	28	EDWIN H LAND BOULEVARD		47	111	0	16	31
135	TEWKSBURY	NMCOG	4	MAIN STREET	38	CLARK ROAD		63	111	0	12	51
135	NORWOOD	MAPC	5	BLUE STAR MEMORIAL HIGHWAY	1	EVERETT STREET		39	111	0	18	21
135	TAUNTON	SRPEDD	5	CAPE ROAD	44	10-23 CAPE ROAD (BY ADDRESS)		47	111	0	16	31
135	TEWKSBURY	NMCOG	4	MAIN STREET	38	SHAWSHEN STREET		55	111	0	14	41
140	LYNN	MAPC	4	WESTERN AVENUE	107	EASTERN AVENUE		58	110	0	13	45
140	WORCESTER	CMRPC	3	MAIN STREET		MAY STREET		50	110	0	15	35
142	RAYNHAM	SRPEDD	5	BROADWAY	138	CARVER STREET		37	109	0	18	19
142	CAMBRIDGE	MAPC	6	MASSACHUSETTS AVENUE	2A	NORFOLK STREET		45	109	0	16	29
142	SEEKONK	SRPEDD	5	FALL RIVER AVENUE	6	COMMERCE WAY		65	109	0	11	54
142	MANSFIELD	SRPEDD	5	CHAUNCY STREET	106	COPELAND DRIVE		49	109	0	15	34
142	BARNSTABLE	CCC	5	BEARSES WAY		FALMOUTH ROAD	28	61	109	0	12	49
142	RANDOLPH	MAPC	6	NORTH MAIN STREET	28	SCANLON DRIVE		32	109	1	17	14
148	EVERETT	MAPC	4	REVERE BEACH PARKWAY	16	SECOND STREET		36	108	0	18	18
148	NATICK	MAPC	3	WEST CENTRAL STREET	135	SPEEN STREET		60	108	0	12	48
150	SPRINGFIELD	PVPC	2	BOSTON ROAD		BAY STREET		35	107	0	18	17
150	STOUGHTON	MAPC_OCPC	5	WASHINGTON STREET	27	WYMAN STREET	27	59	107	0	12	47
150	WORCESTER	CMRPC	3	HIGHLAND STREET	9	PARK AVENUE	12	63	107	0	11	52
150	LEXINGTON	MAPC	4	BEDFORD STREET	4	HARRINGTON ROAD		59	107	0	12	47
150	MILFORD	MAPC	3	EAST MAIN STREET	16	CEDAR STREET		55	107	0	13	42
155	WORCESTER	CMRPC	3	CHANDLER STREET	122	PIEDMONT STREET		42	106	0	16	26
155	BROCKTON	OCPC	5	REYNOLDS HIGHWAY	27	CHRISTYS DRIVE		46	106	0	15	31
155	BROCKTON	OCPC	5	MAIN STREET		NILSSON STREET		33	106	1	16	16
158	WORCESTER	CMRPC	3	MAIN STREET	9	CURTIS PARKWAY		49	105	0	14	35
158	LOWELL	NMCOG	4	PLAIN STREET		AVENUE C		57	105	0	12	45
158	WALTHAM	MAPC	4	MAIN STREET	20	LYMAN STREET		65	105	0	10	55
161	BILLERICA	NMCOG	4	SALEM ROAD	129	POND STREET		40	104	0	16	24
161	LOWELL	NMCOG	4	VETERANS OF FOREIGN WARS HIGHWAY		UNIVERSITY AVENUE		52	104	0	13	39

2013-2015 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
161	PEABODY	MAPC	4	LOWELL STREET		ENDICOTT STREET		60	104	0	11	49
161	LOWELL	NMCOG	4	GORHAM STREET		ELM STREET		48	104	0	14	34
161	EVERETT	MAPC	4	REVERE BEACH PARKWAY	16	VINE STREET		32	104	0	18	14
161	WORCESTER	CMRPC	3	CANTERBURY STREET		GARDNER STREET		40	104	0	16	24
161	HOLYOKE	PVPC	2	HIGH STREET		CABOT STREET		44	104	0	15	29
161	WESTON	MAPC	6	BOSTON POST ROAD BYPASS	20	BOSTON POST ROAD		60	104	0	11	49
169	WOBURN	MAPC	4	MONTVALE AVENUE		WASHINGTON STREET		55	103	0	12	43
169	ABINGTON	OCPC	5	BROCKTON AVENUE	123	BEDFORD STREET	18	50	103	1	11	38
171	SUTTON	CMRPC	3	WORCESTER PROVIDENCE TURNPIKE	146	BOSTON ROAD		54	102	0	12	42
171	SPRINGFIELD	PVPC	2	BERKSHIRE AVENUE		COTTAGE STREET		28	102	2	14	12
171	FITCHBURG	MRPC	3	WHALON STREET		PIERCE AVENUE		62	102	0	10	52
174	CAMBRIDGE	MAPC	6	FRESH POND PARKWAY	3	MOUNT AUBURN STREET		37	101	0	16	21
174	LYNN	MAPC	4	WESTERN AVENUE	107	SUMMER STREET		53	101	0	12	41
174	WAREHAM	SRPEDD	5	GLEN CHARLIE ROAD		CRANBERRY HIGHWAY	6	49	101	0	13	36
174	LYNN	MAPC	4	BROADWAY		EUCLID AVENUE		53	101	0	12	41
174	WHITMAN	OCPC	5	BEDFORD STREET	18	TEMPLE STREET	27	53	101	0	12	41
174	MEDFORD	MAPC	4	SALEM STREET	60	FELLSWAY WEST	28	41	101	0	15	26
174	SEEKONK	SRPEDD	5	ARCADE AVENUE		FALL RIVER AVENUE		45	101	0	14	31
174	BROCKTON	OCPC	5	CENTRE STREET	123	PLYMOUTH STREET		41	101	0	15	26
174	FRAMINGHAM	MAPC	3	WORCESTER ROAD	9	DINSMORE AVENUE		40	101	1	13	26
174	DENNIS	CCC	5	EAST WEST DENNIS ROAD	134	UPPER COUNTY ROAD		53	101	0	12	41
174	FALL RIVER	SRPEDD	5	COLUMBIA STREET		EAGLE STREET		57	101	0	11	46
185	PEABODY	MAPC	4	CENTRAL STREET		PEABODY SQUARE		52	100	0	12	40
185	LOWELL	NMCOG	4	WOOD STREET		PRINCETON BOULEVARD	3A	40	100	0	15	25
185	SHREWSBURY	CMRPC	3	BOSTON TURNPIKE	9	SOUTH STREET		48	100	0	13	35
188	BROCKTON	OCPC	5	CENTRE STREET	123	LYMAN STREET		39	99	0	15	24
188	NEW BEDFORD	SRPEDD	5	JOHN F KENNEDY MEMORIAL HIGHWAY	18	COGGESHALL STREET		35	99	0	16	19
188	BROCKTON	OCPC	5	WARREN AVENUE		FOREST AVENUE		35	99	0	16	19
191	AVON	OCPC	5	EAST MAIN STREET	28	EAST SPRING STREET		38	98	0	15	23
191	FITCHBURG	MRPC	3	SOUTH STREET		WANOOSNOC ROAD		46	98	0	13	33
191	SOMERSET	SRPEDD	5	GRAND ARMY OF THE REPUBLIC HIGHWAY	6	LEES RIVER AVENUE		42	98	0	14	28
191	GARDNER	MRPC	3	PEARSON BOULEVARD		ELM STREET		70	98	0	7	63
191	FRAMINGHAM	MAPC	3	WORCESTER ROAD	9	TEMPLE STREET		38	98	0	15	23
191	TAUNTON	SRPEDD	5	DEAN STREET	44	LONGMEADOW ROAD		50	98	0	12	38
191	MALDEN	MAPC	4	FELLSWAY EAST		HIGHLAND AVENUE		38	98	0	15	23
191	LOWELL	NMCOG	4	SCHOOL STREET		BRANCH STREET		34	98	0	16	18
191	WALPOLE	MAPC	5	PROVIDENCE TURNPIKE	1	HIGH PLAIN STREET	27	49	98	1	10	38
191	HOLYOKE	PVPC	2	CHERRY STREET	202	SOLDIERS HOME ROAD		41	98	1	12	28

# Top Crash Intersections 2013-2015



Rank 1

## WORCESTER

KELLEY SQUARE  
WATER STREET

MassDOT District: 3  
RPA: CMRPC  
EPDO: 542

Number of Fatal Crashes: 0  
Number of Injury Crashes: 62  
Number of Non-Injury Crashes: 232  
Total Crashes: 294

### Legend

- Crash Locations 2013 - 2015
- ▬ All Functional Classification Except Local Roads
- ▬ Local Roads
- ▨ Top Crash Intersections



# Top Crash Intersections 2013-2015



0 20 40 60 80  
Feet



Rank 2

## LOWELL

BRIDGE STREET                      ROUTE 38  
VETERANS OF FOREIGN WARS HIGHWAY

### Legend

- Crash Locations 2013 - 2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Crash Intersections

MassDOT District: 4

RPA: NMCOG

EPDO: 293

Number of Fatal Crashes: 0

Number of Injury Crashes: 41

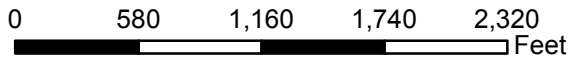
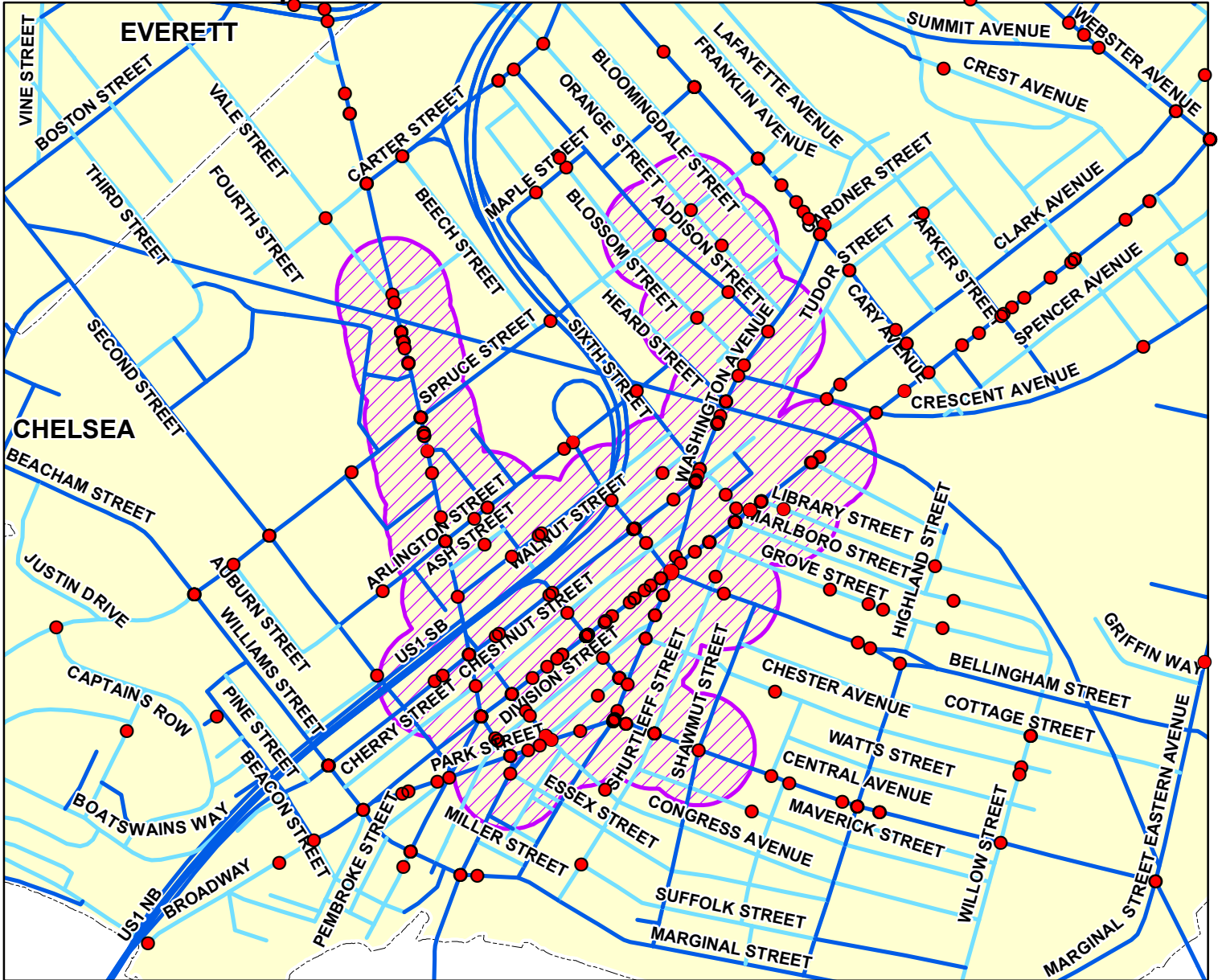
Number of Non-Injury Crashes: 88

Total Crashes: 129





# Top Pedestrian Crash Cluster 2006 - 2015



## RANK 1

### CHELSEA

MassDOT District 6

RPA MAPC

EPDO 916

Number of Fatal Crashes 0

Number of Injury Crashes 173

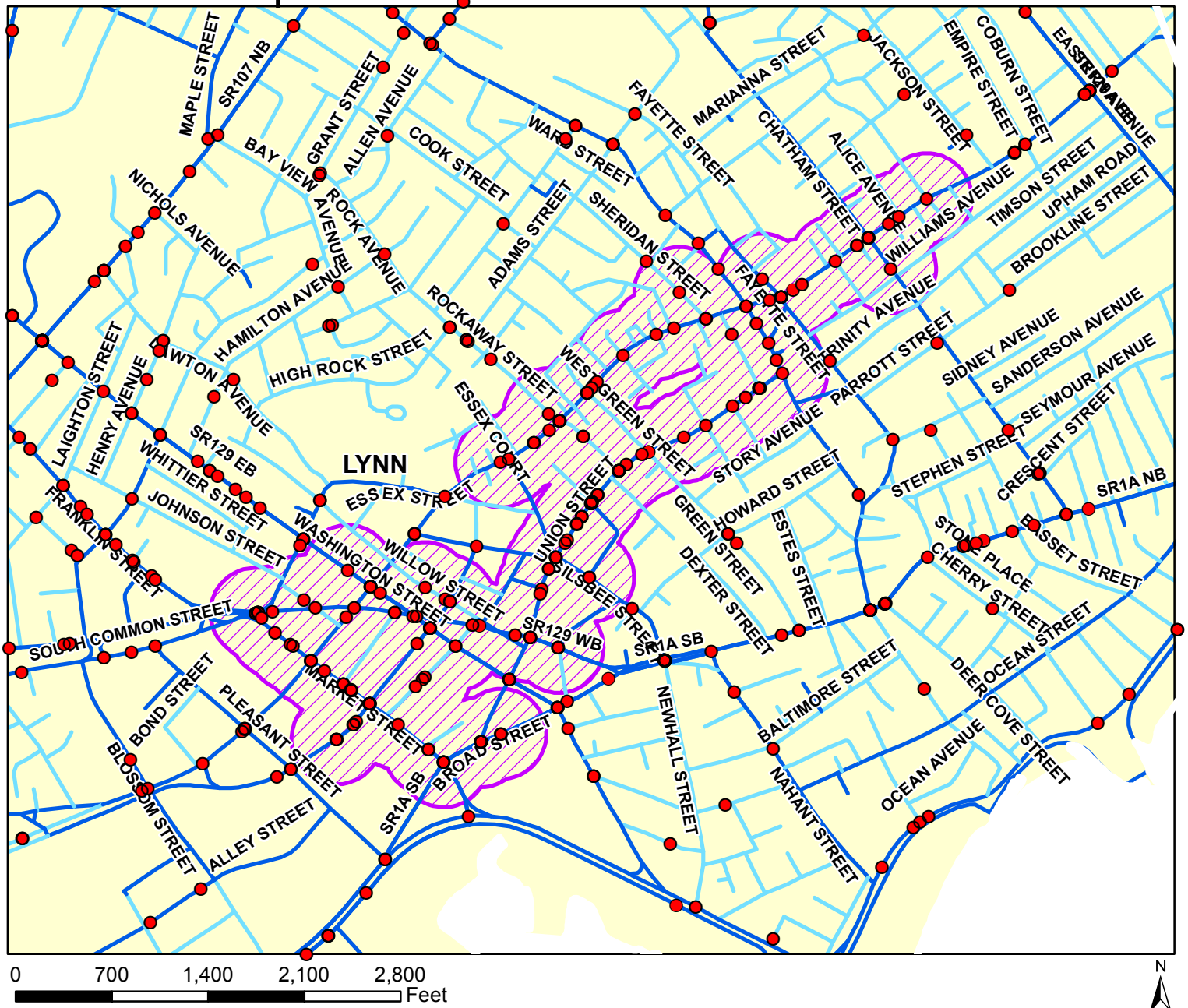
Number of Non-Injury Crashes 51

Total Crashes 224

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary

# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
2

## LYNN

MassDOT District 4

RPA MAPC

EPDO 733

Number of Fatal Crashes 3

Number of Injury Crashes 128

Number of Non-Injury Crashes 63

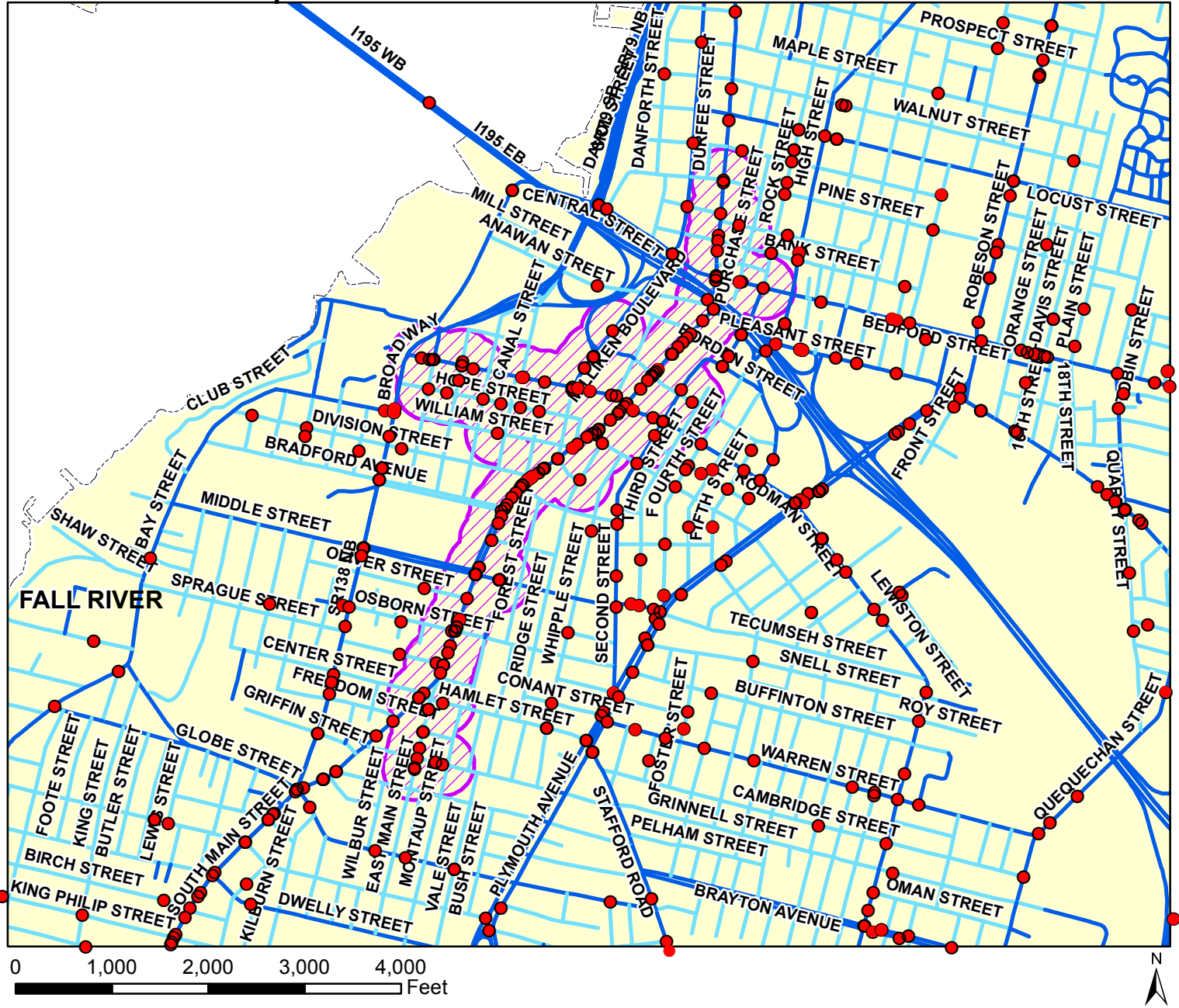
Total Crashes 194

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary



# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
3

## FALL RIVER

MassDOT District 5

RPA SRPEDD

EPDO 660

Number of Fatal Crashes

0

Number of Injury Crashes

125

Number of Non-Injury Crashes

35

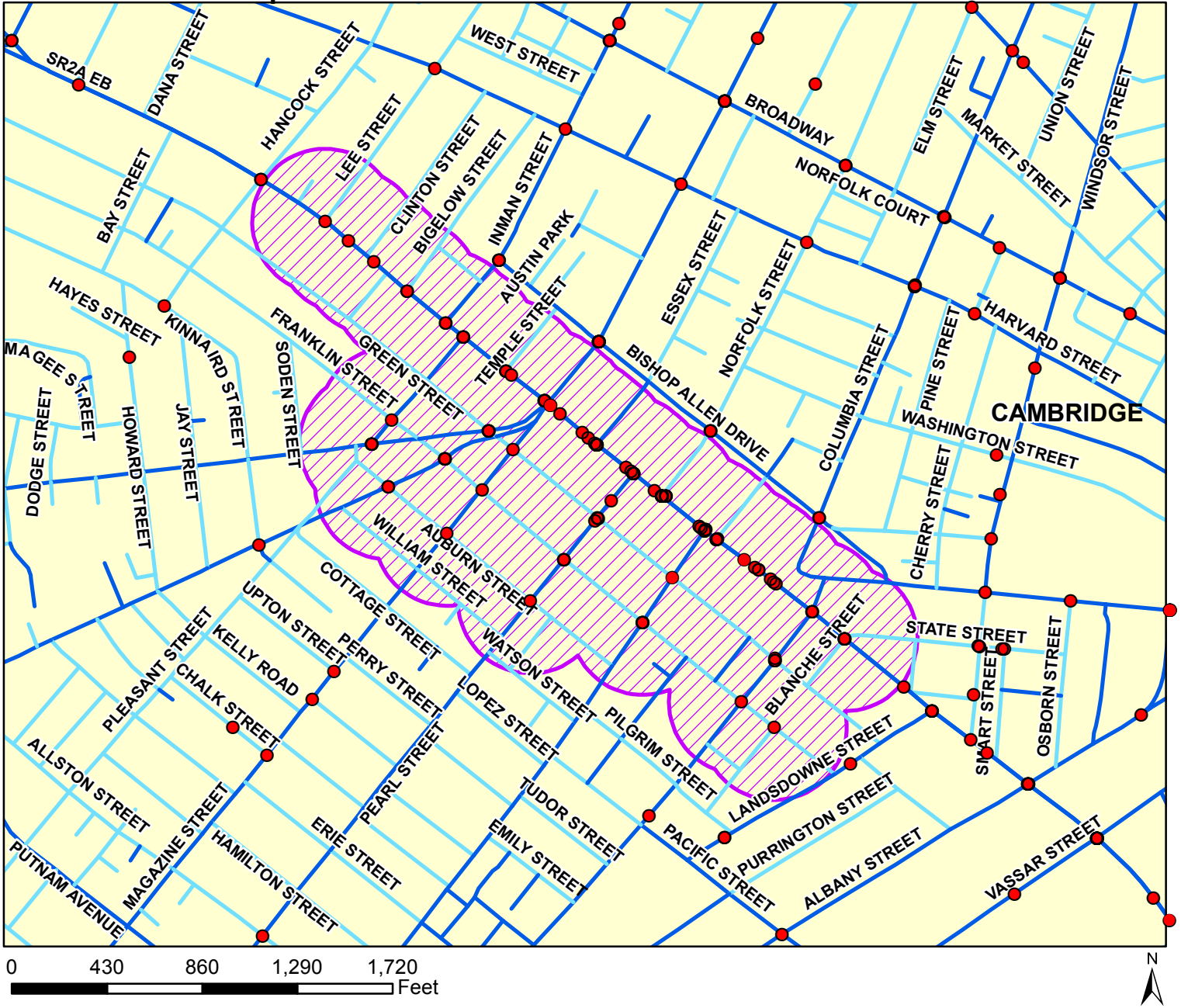
Total Crashes

160

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary

# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
4

## CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO 432

Number of Fatal Crashes 2

Number of Injury Crashes 72

Number of Non-Injury Crashes 52

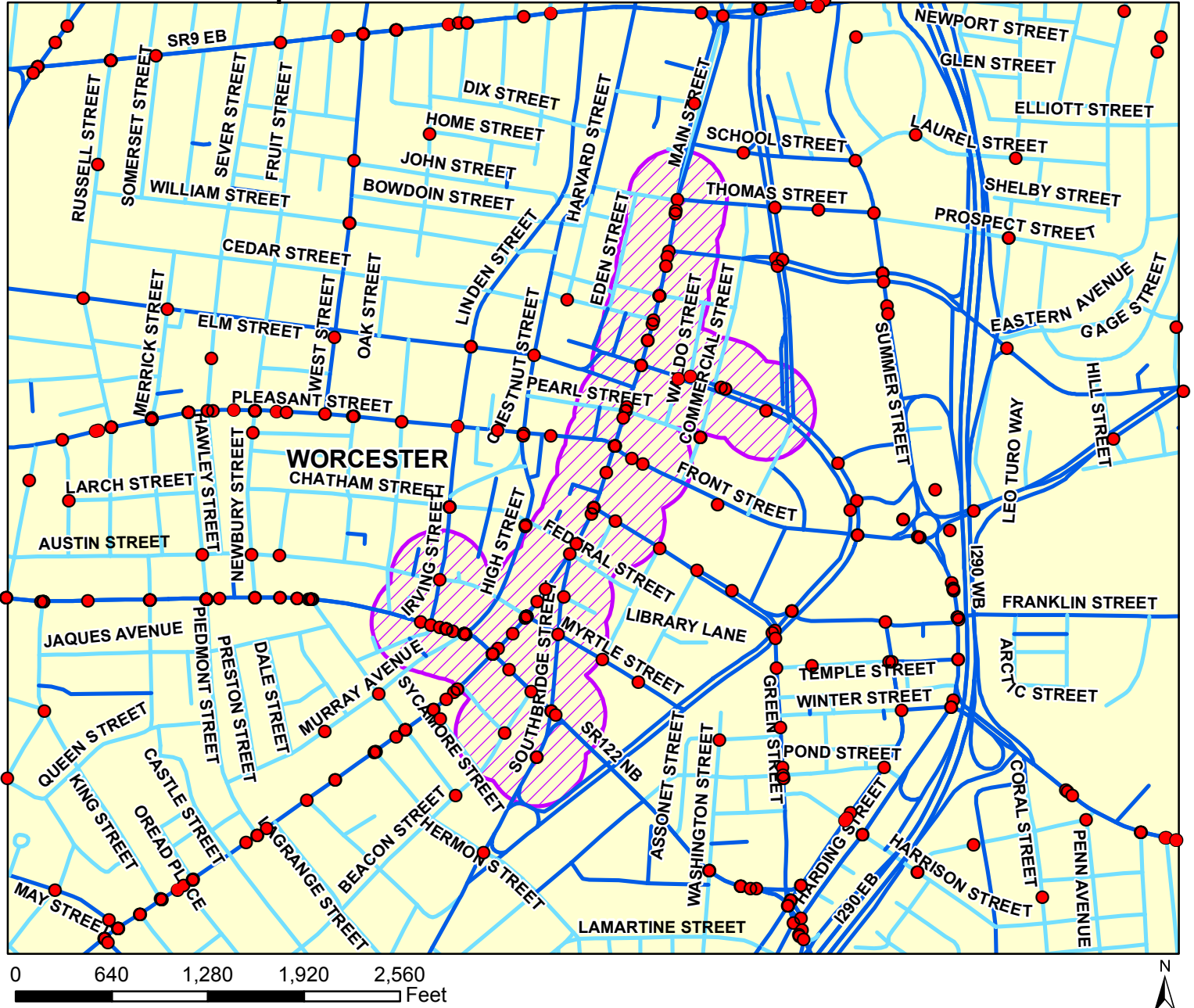
Total Crashes 126

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary



# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
5

## WORCESTER

MassDOT District 3

RPA CMRPC

EPDO 342

Number of Fatal Crashes 0

Number of Injury Crashes 63

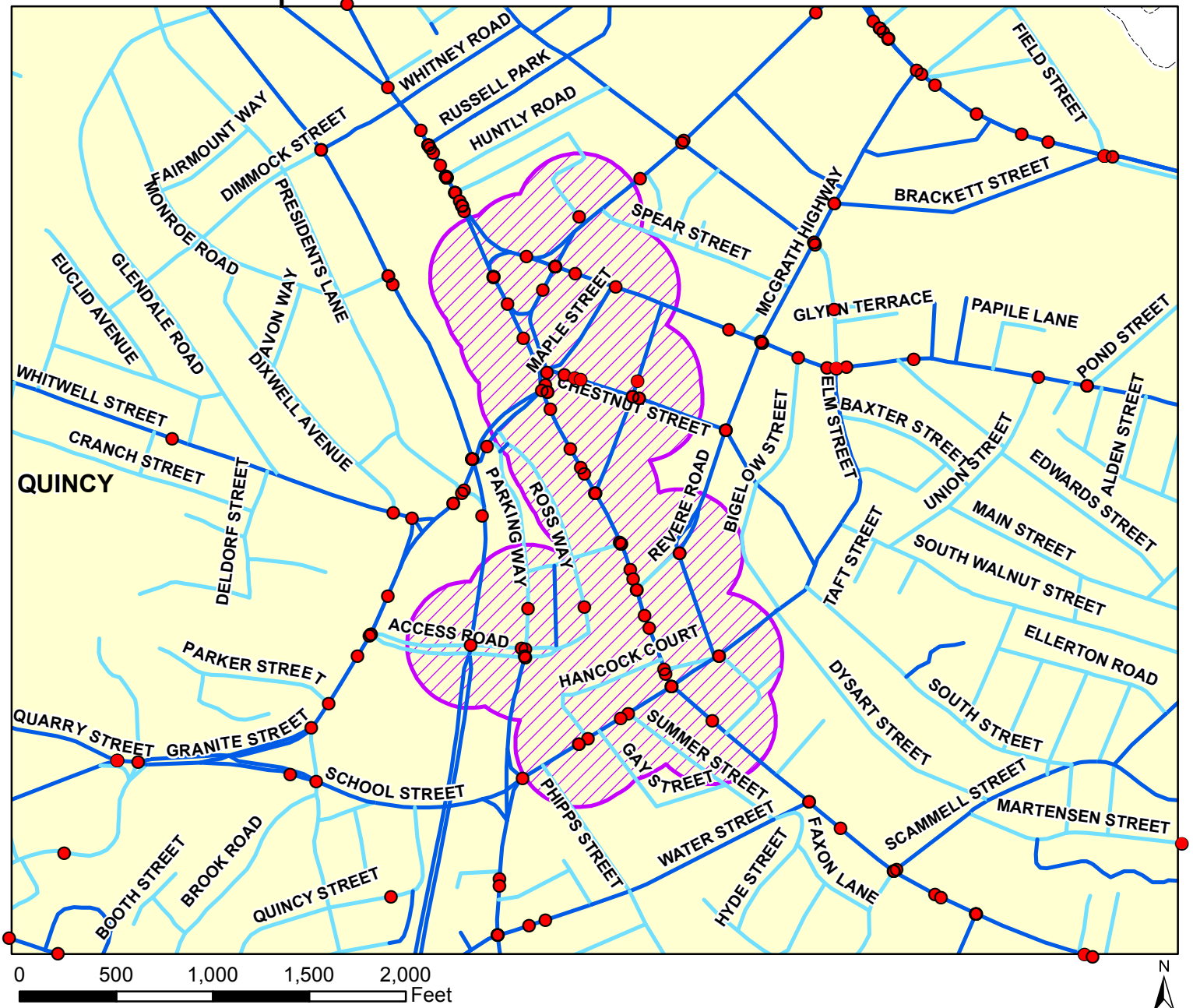
Number of Non-Injury Crashes 27

Total Crashes 90

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary

# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
**6**

## QUINCY

MassDOT District 6

RPA MAPC

EPDO 305

Number of Fatal Crashes 1

Number of Injury Crashes 56

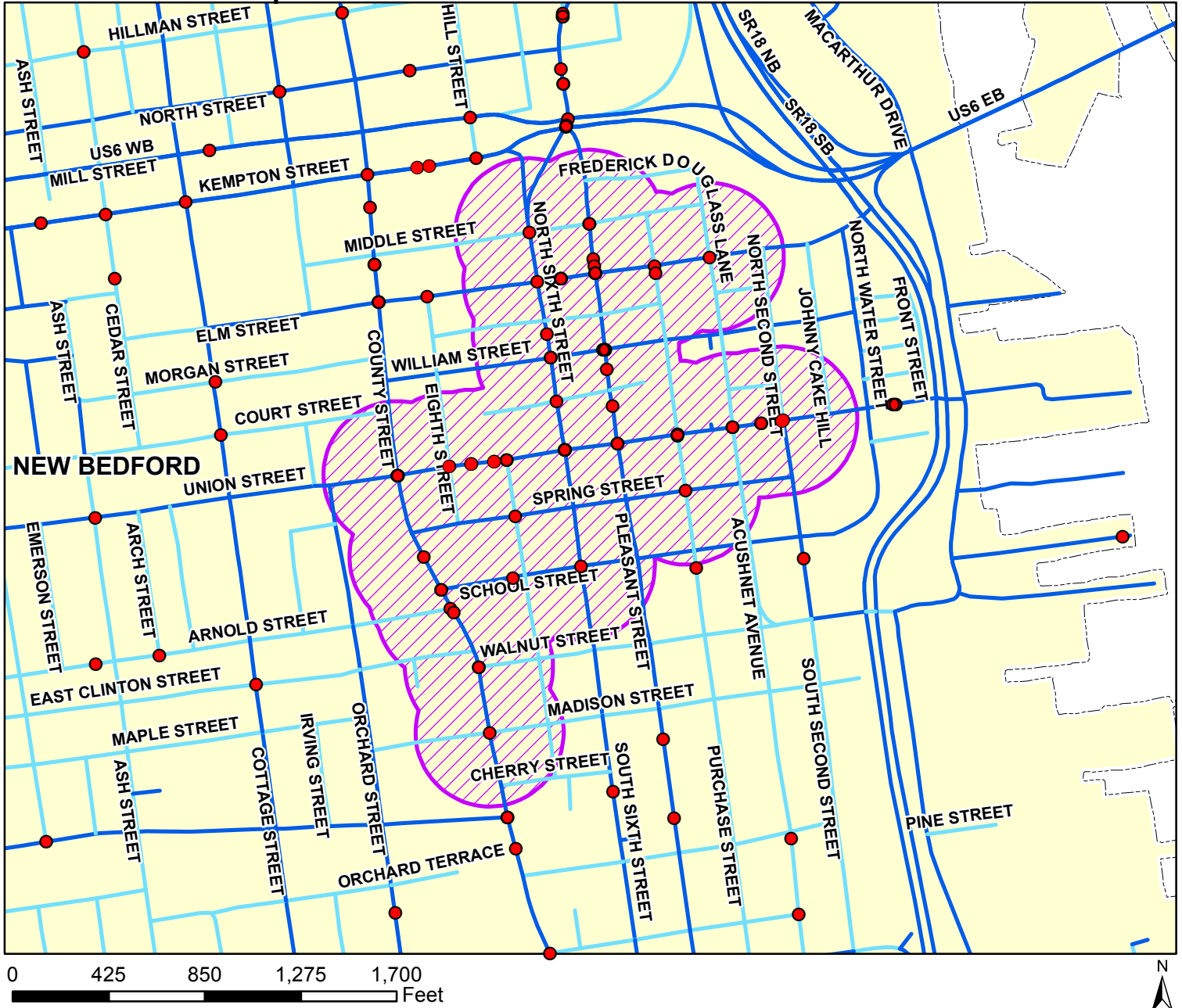
Number of Non-Injury Crashes 15

Total Crashes 72

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary

# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
7

## NEW BEDFORD

MassDOT District 5

RPA SRPEDD

EPDO 294

Number of Fatal Crashes 2

Number of Injury Crashes 52

Number of Non-Injury Crashes 14

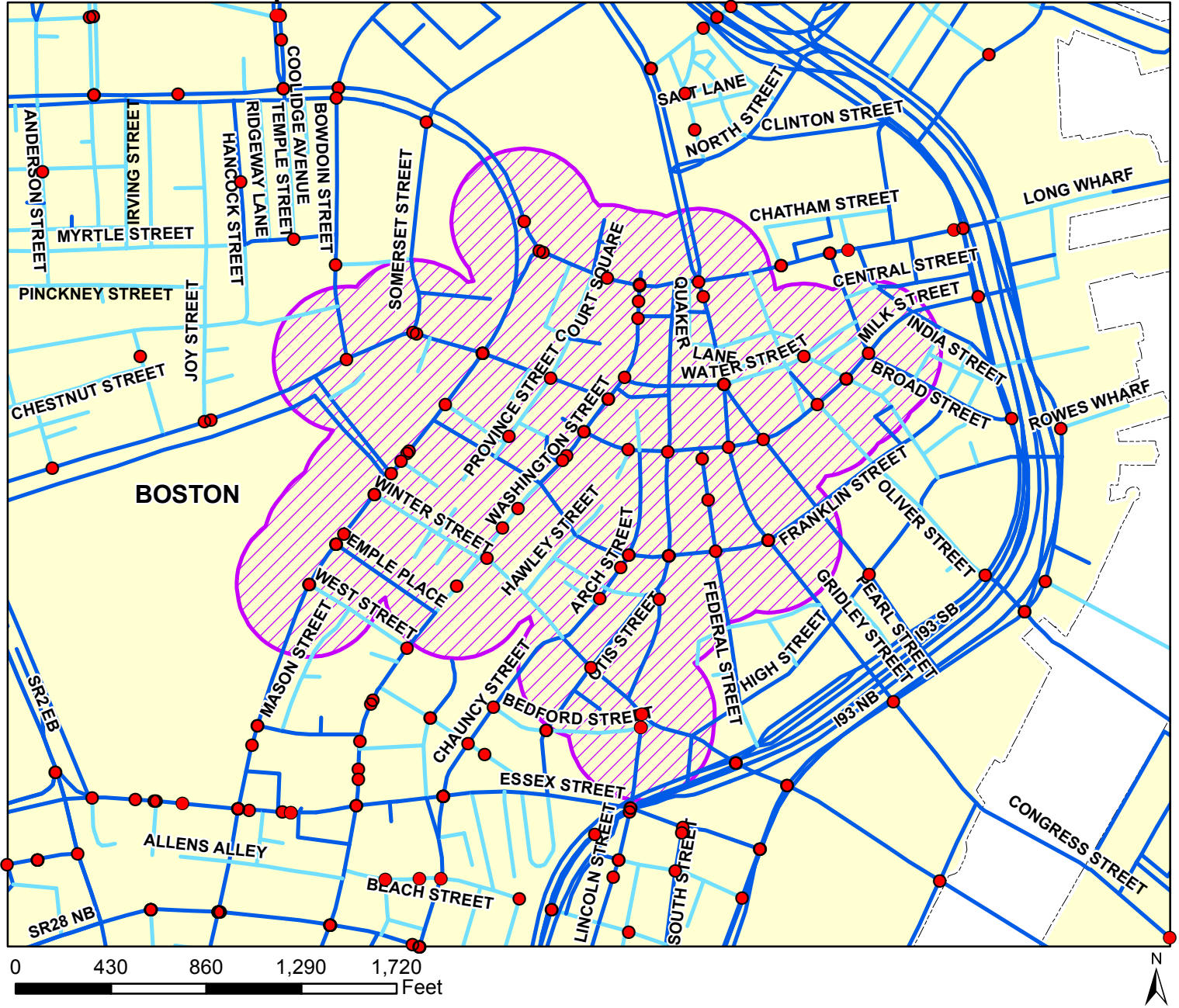
Total Crashes 68

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary



# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
**8**

## BOSTON

MassDOT District 6

RPA MAPC

EPDO 264

Number of Fatal Crashes 0

Number of Injury Crashes 47

Number of Non-Injury Crashes 29

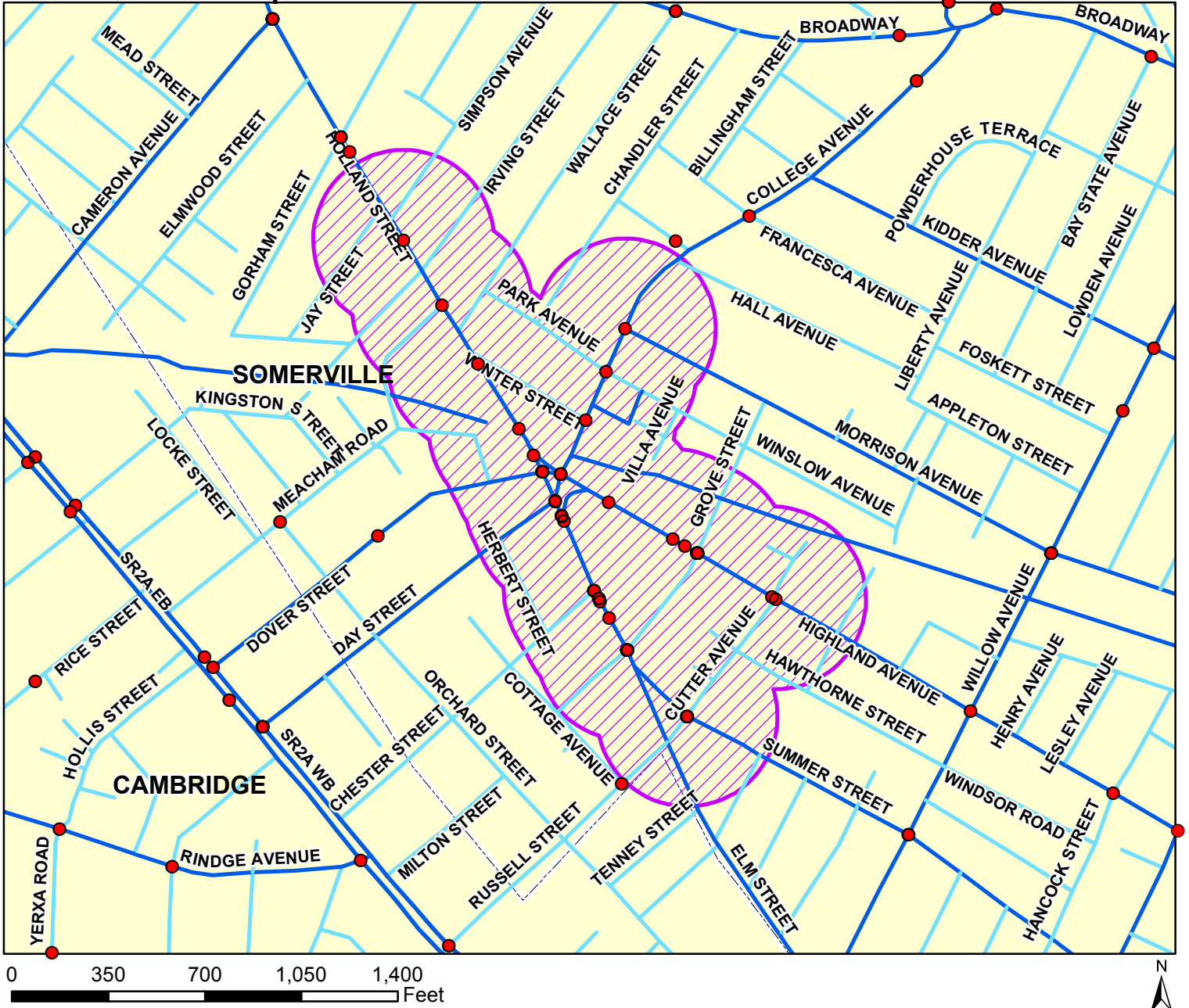
Total Crashes 76

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary



# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
**9**

## SOMERVILLE, CAMBRIDGE

MassDOT District 4,6

RPA MAPC

EPDO 257

Number of Fatal Crashes 1

Number of Injury Crashes 47

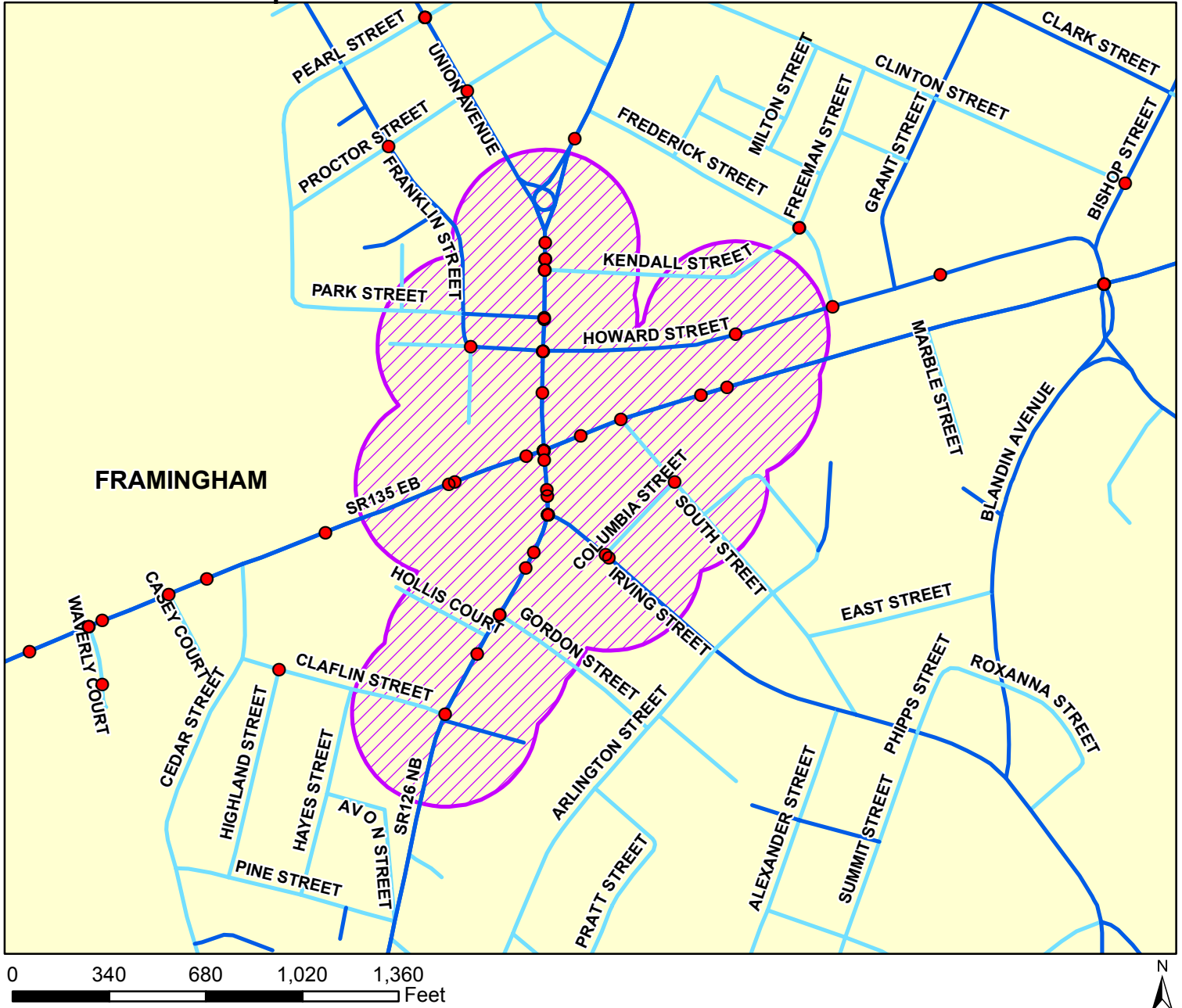
Number of Non-Injury Crashes 12

Total Crashes 60

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary

# Top Pedestrian Crash Cluster 2006 - 2015



**RANK**  
**10**

## FRAMINGHAM

MassDOT District 3

RPA MAPC

EPDO 219

Number of Fatal Crashes 1

Number of Injury Crashes 41

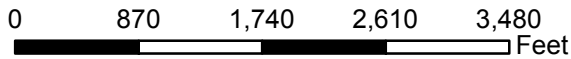
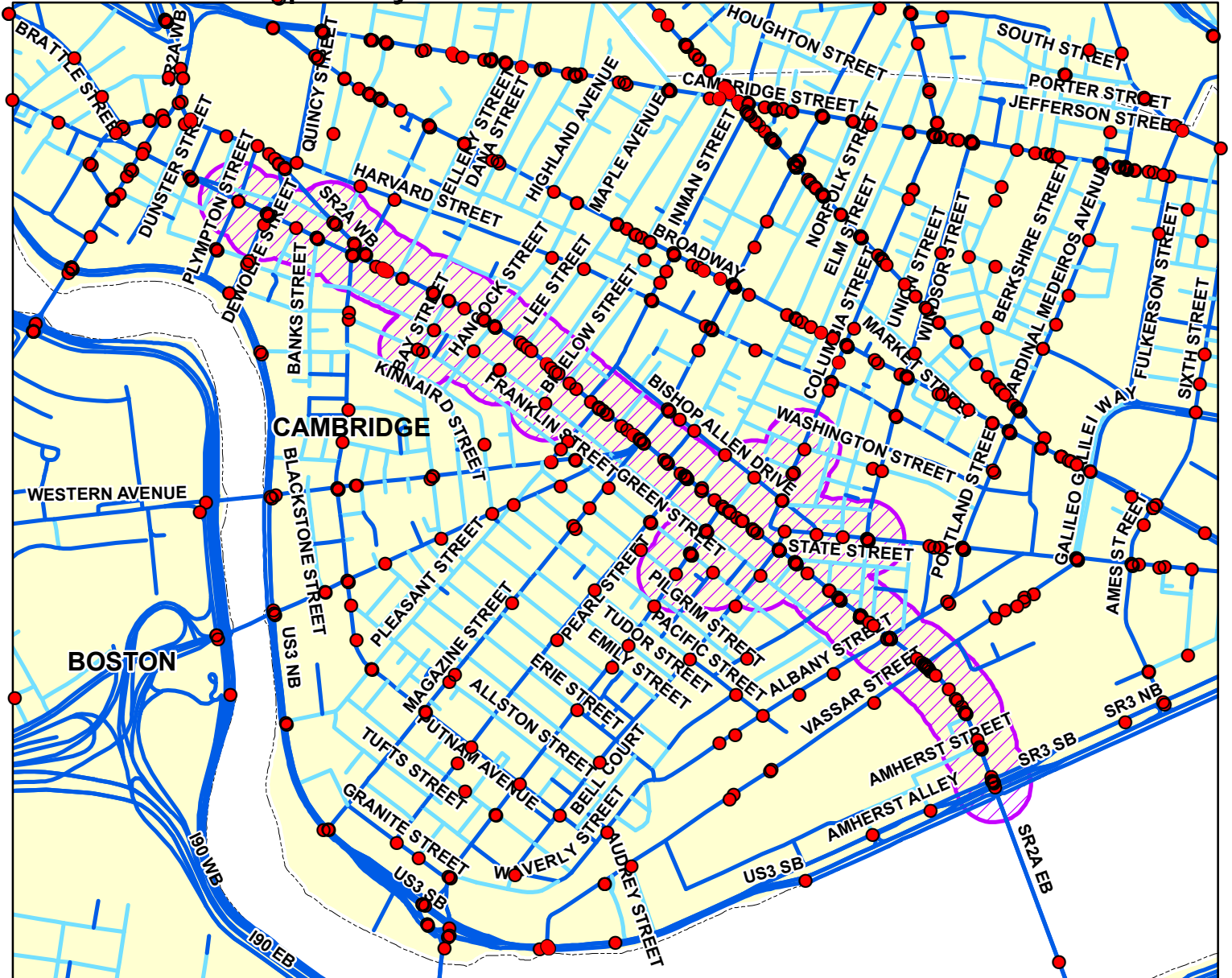
Number of Non-Injury Crashes 4

Total Crashes 46

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Pedestrian Crash Cluster
- Municipal Boundary

# Top Bicycle Crash Cluster 2006 - 2015



## RANK 1

### CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO 989

Number of Fatal Crashes 1

Number of Injury Crashes 172

Number of Non-Injury Crashes 119

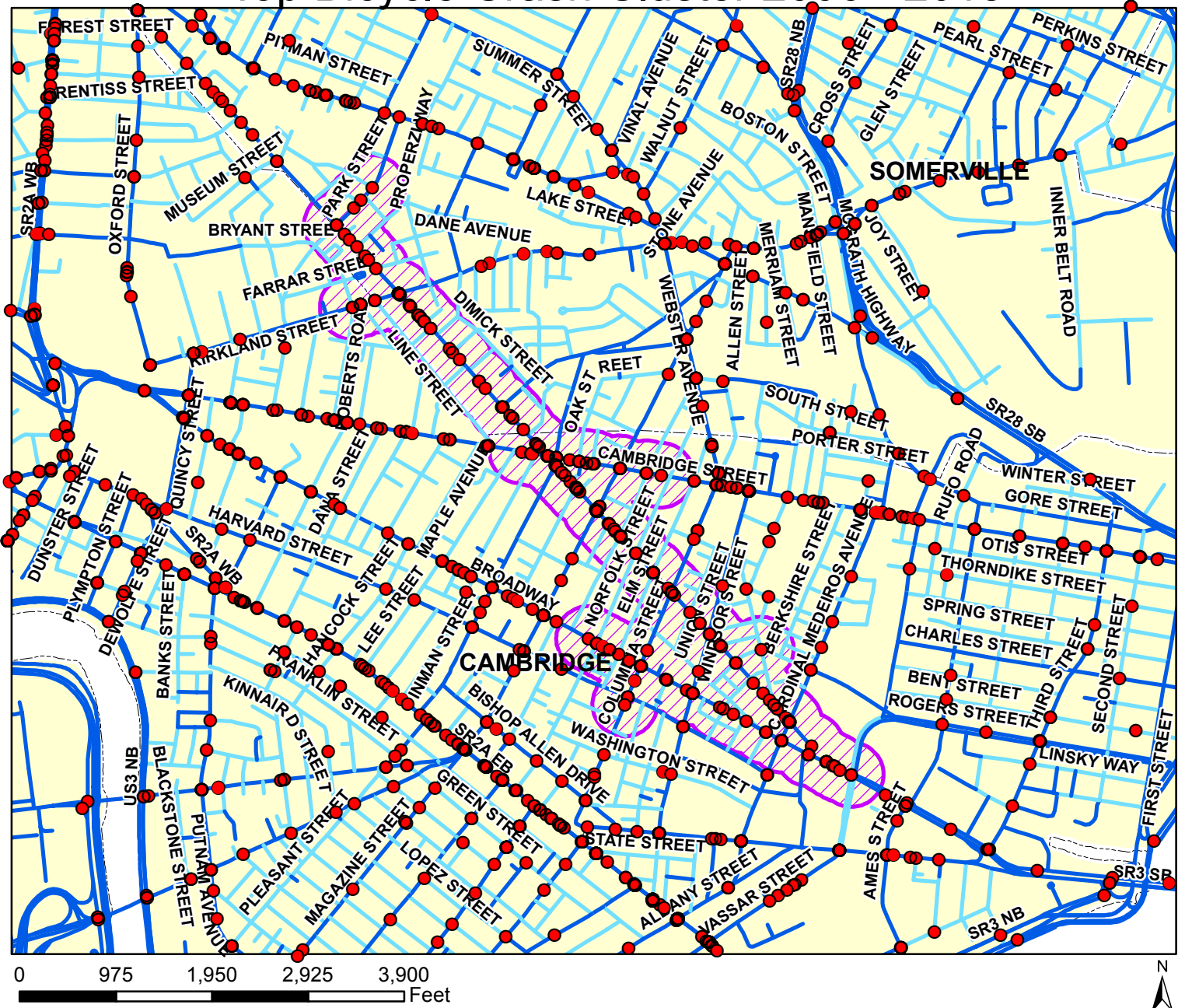
Total Crashes 292

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary



# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
2

## CAMBRIDGE, SOMERVILLE

MassDOT District 6,4

RPA MAPC

EPDO 942

Number of Fatal Crashes 0

Number of Injury Crashes 168

Number of Non-Injury Crashes 102

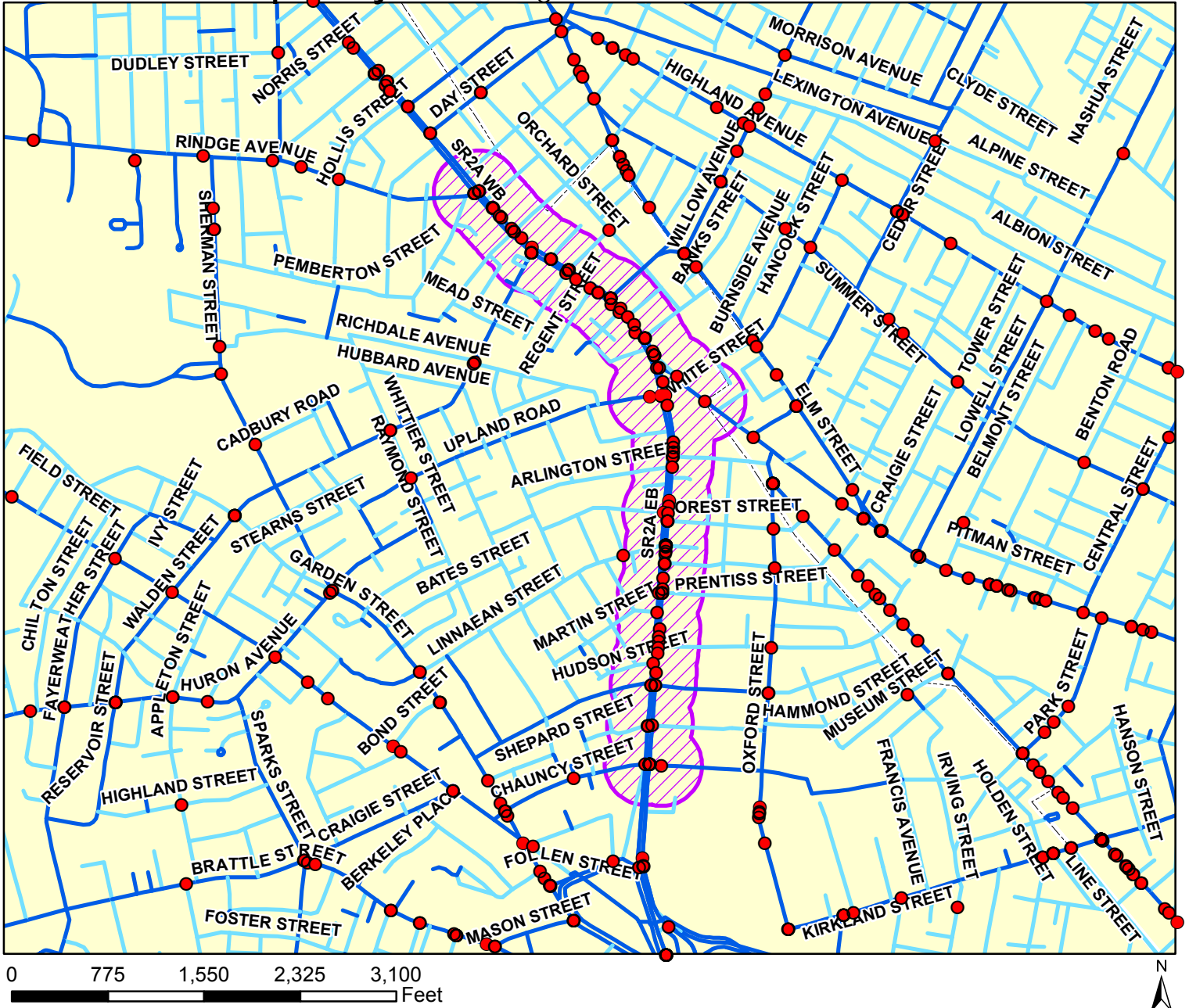
Total Crashes 270

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary



# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
**3**

## CAMBRIDGE, SOMERVILLE

MassDOT District 6,4

RPA MAPC

EPDO 525

Number of Fatal Crashes 0

Number of Injury Crashes 95

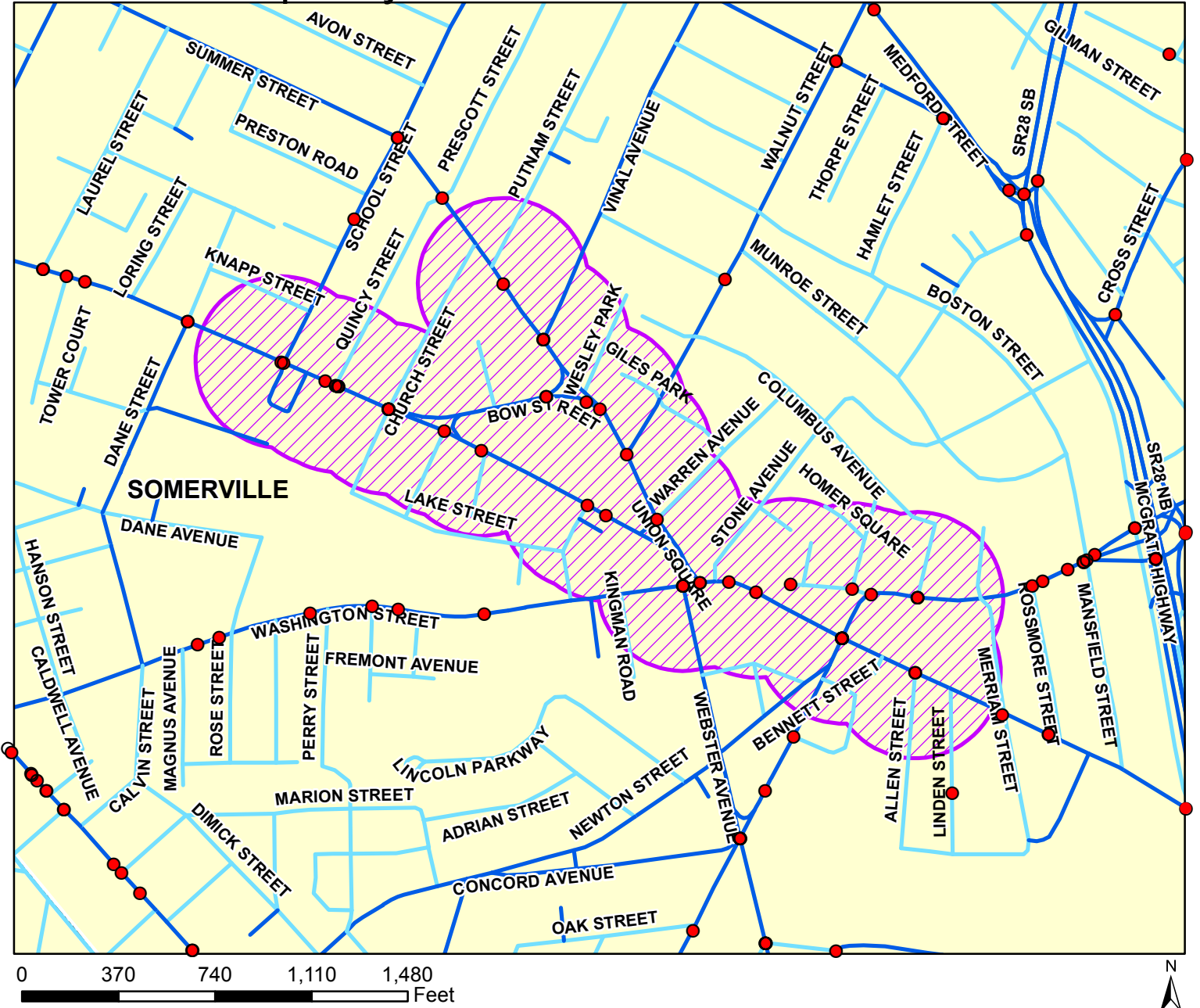
Number of Non-Injury Crashes 50

Total Crashes 145

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary

# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
4

## SOMERVILLE

MassDOT District 4

RPA MAPC

EPDO 213

Number of Fatal Crashes 0

Number of Injury Crashes 40

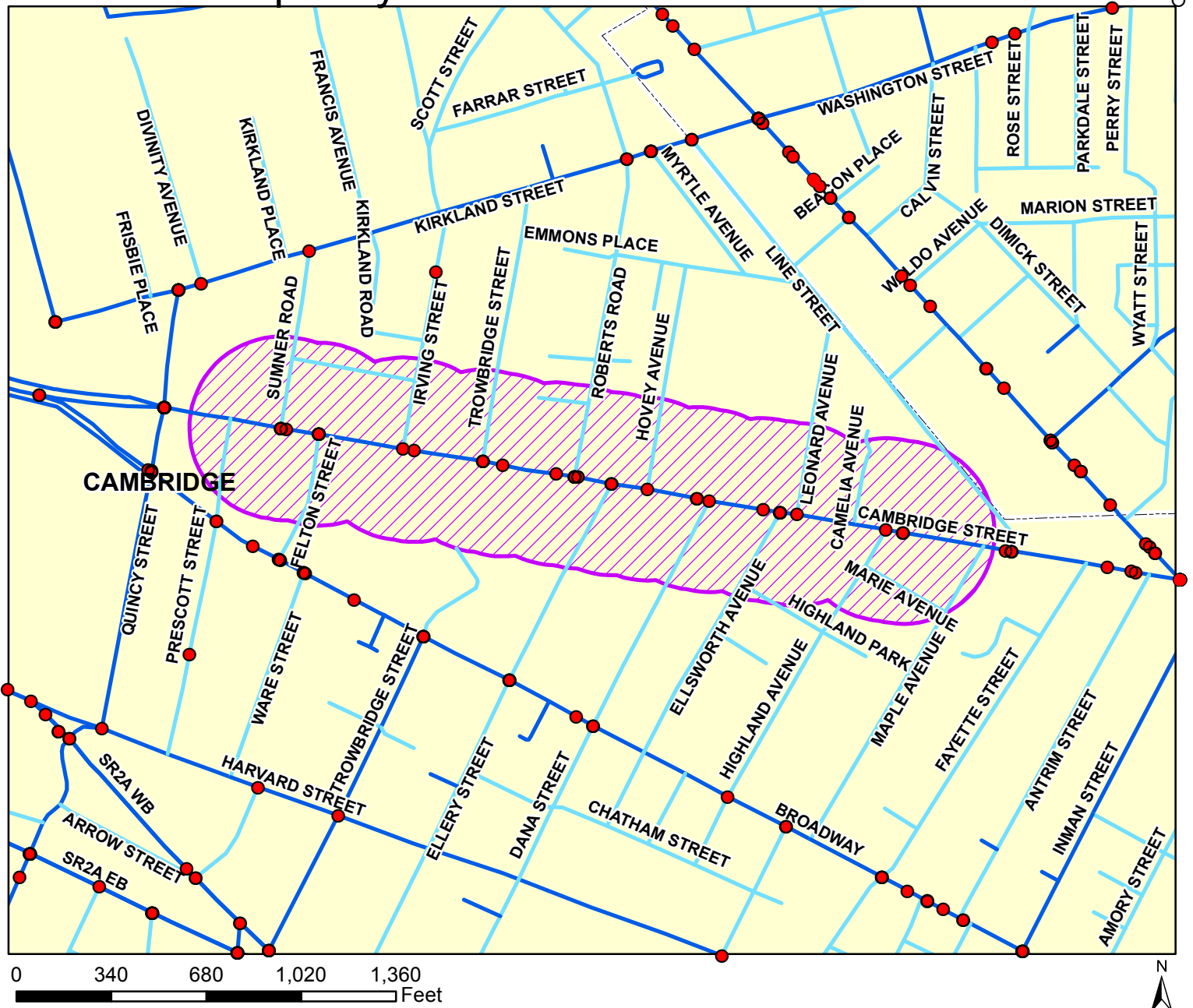
Number of Non-Injury Crashes 13

Total Crashes 53

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary

# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
**5**

## CAMBRIDGE, SOMERVILLE

MassDOT District 6,4

RPA MAPC

EPDO 139

Number of Fatal Crashes 0

Number of Injury Crashes 25

Number of Non-Injury Crashes 14

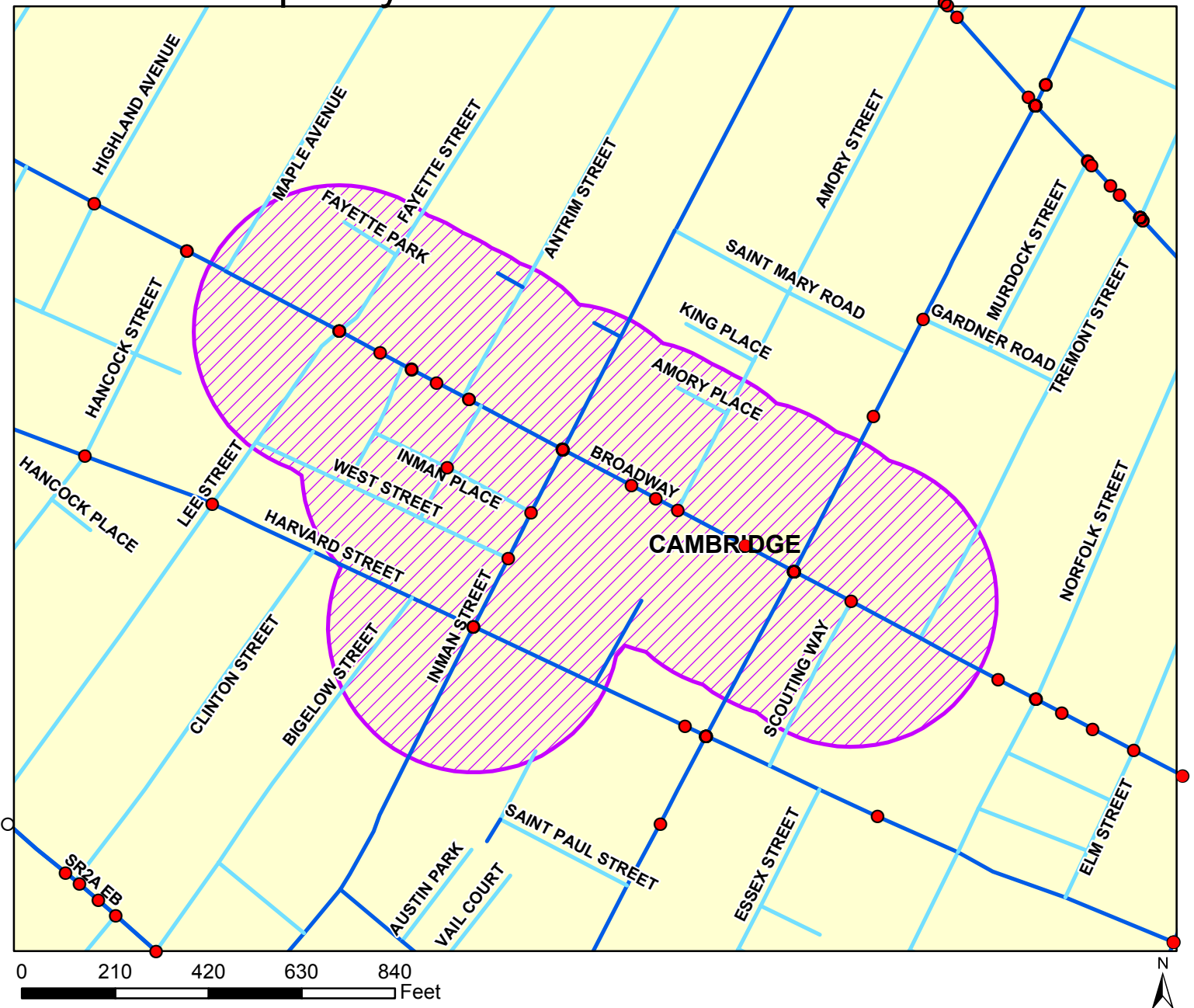
Total Crashes 39

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary



# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
**6**

## CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO 125

Number of Fatal Crashes 0

Number of Injury Crashes 22

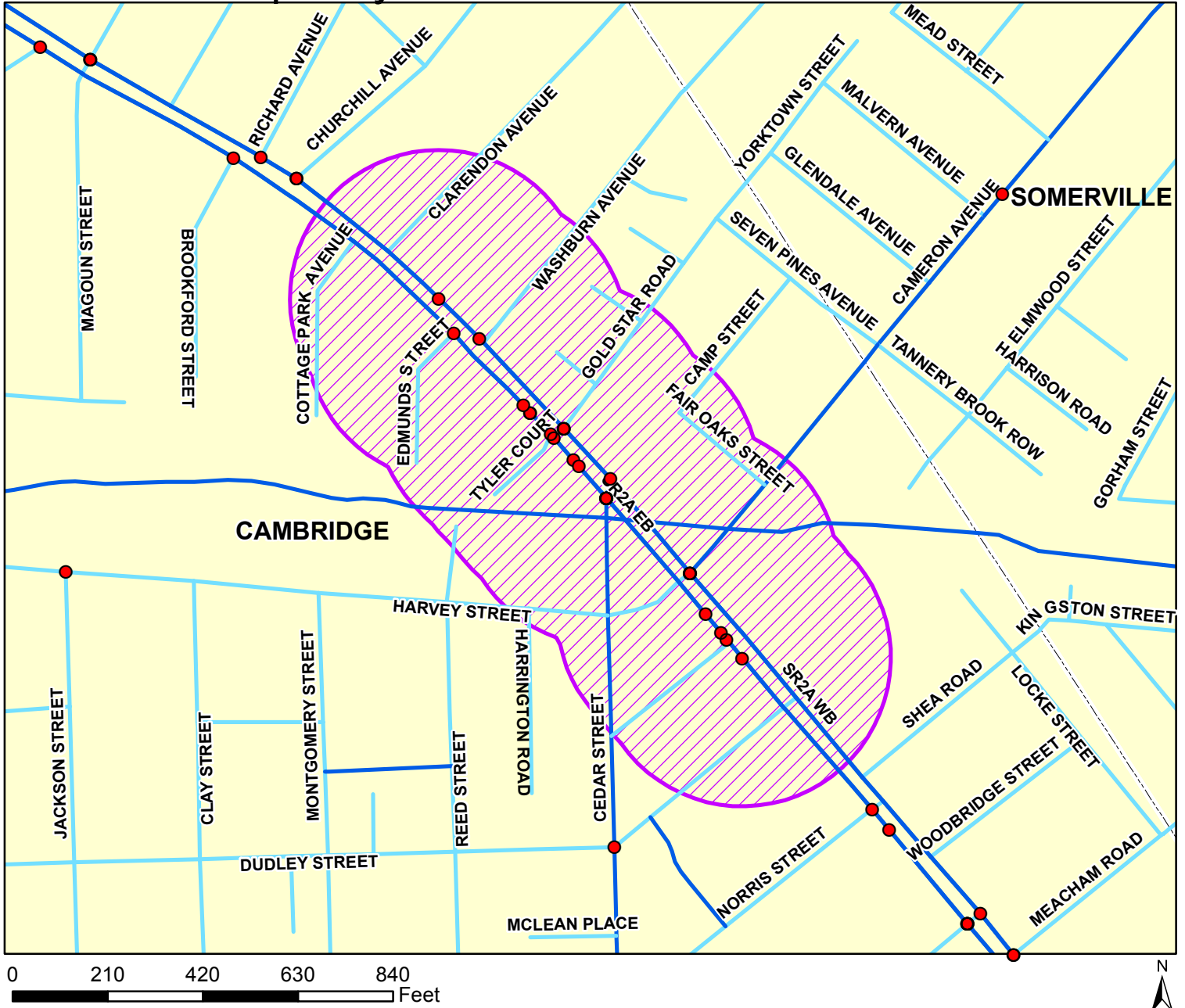
Number of Non-Injury Crashes 15

Total Crashes 37

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary

# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
**7**

## CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO 123

Number of Fatal Crashes 0

Number of Injury Crashes 24

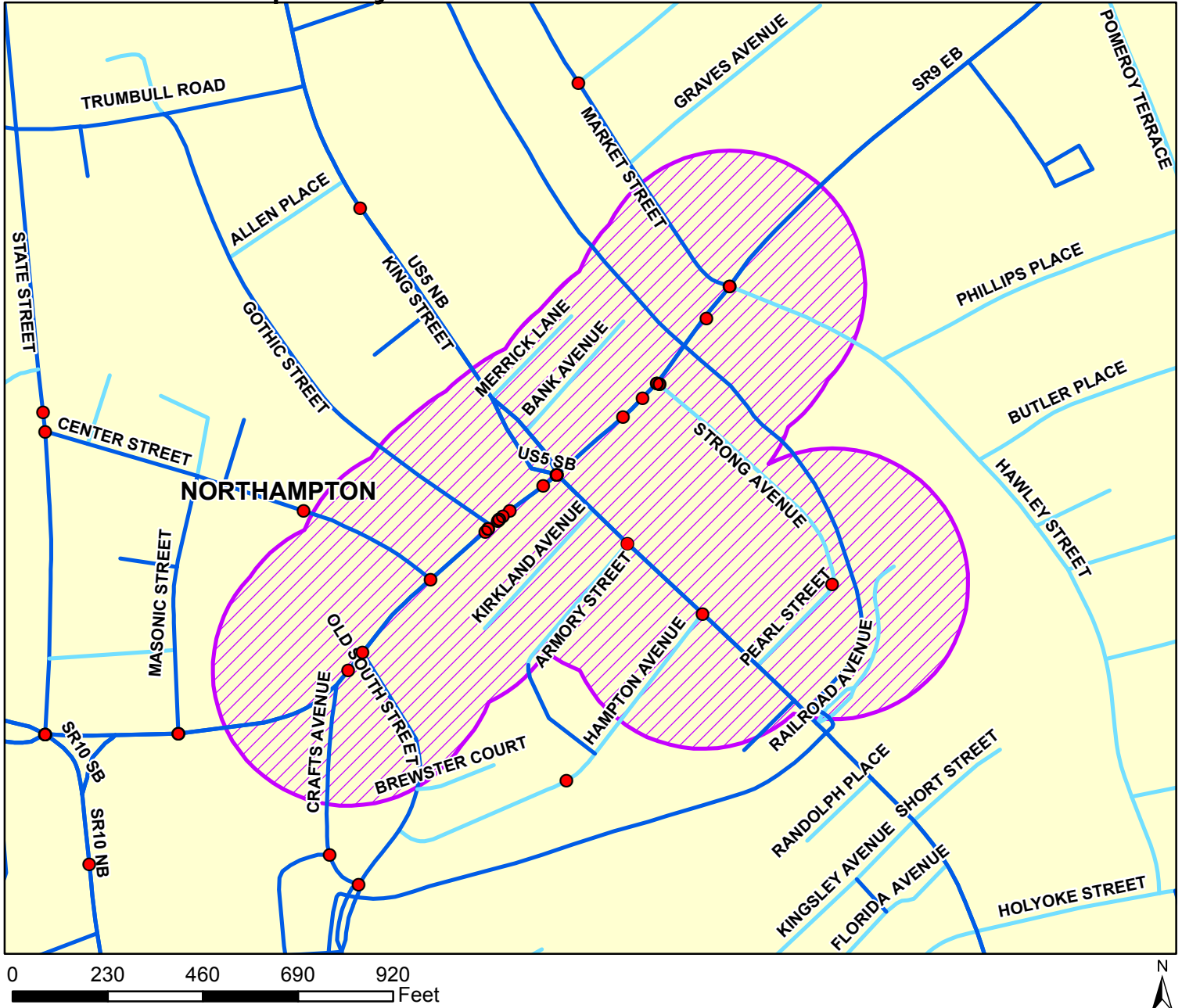
Number of Non-Injury Crashes 3

Total Crashes 27

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary

# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
**8**

## NORTHAMPTON

MassDOT District 2

RPA PVPC

EPDO 121

Number of Fatal Crashes 1

Number of Injury Crashes 21

Number of Non-Injury Crashes 6

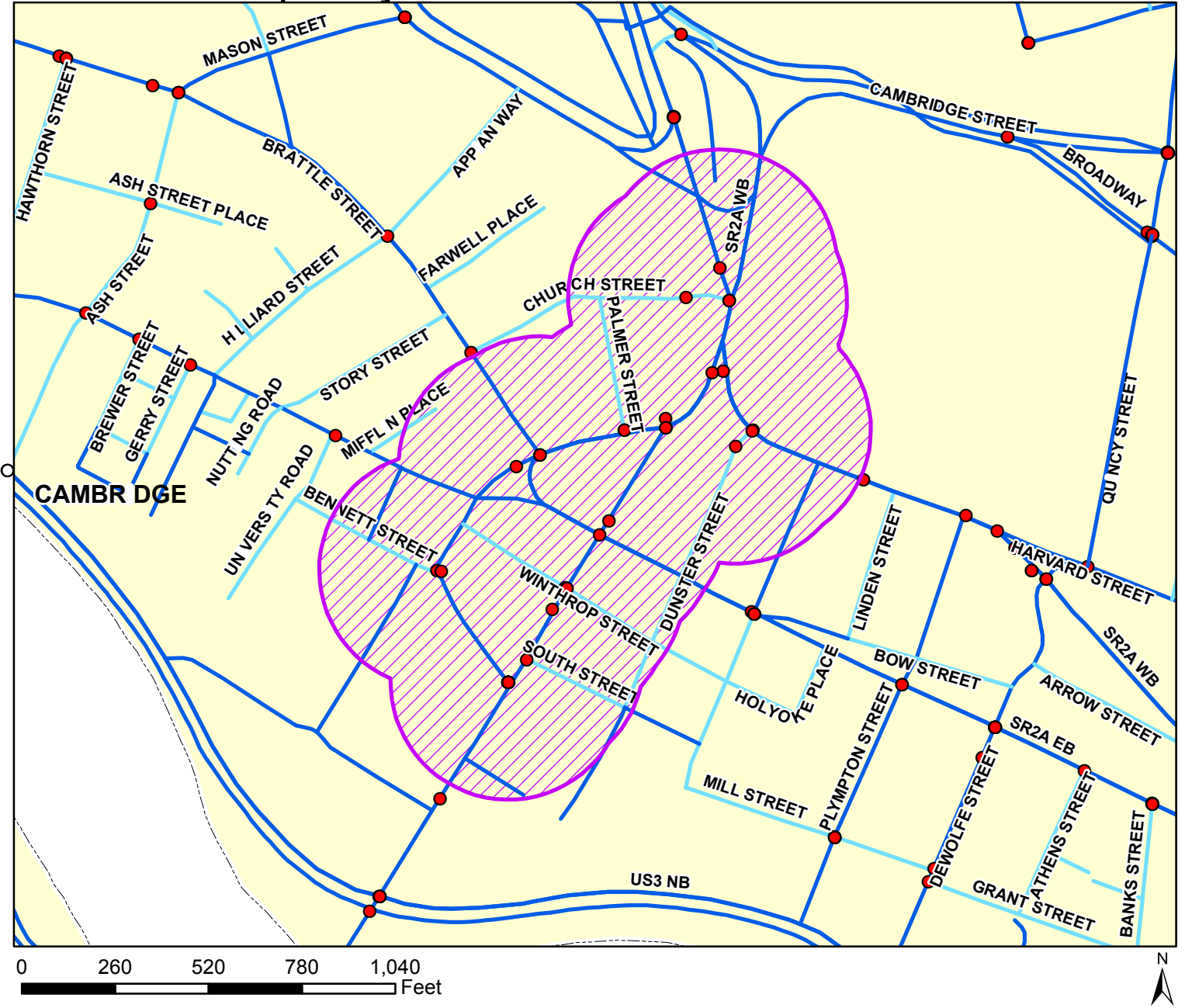
Total Crashes 28

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary



# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
9

## CAMBRIDGE

MassDOT District 6

RPA MAPC

EPDO 115

Number of Fatal Crashes 0

Number of Injury Crashes 20

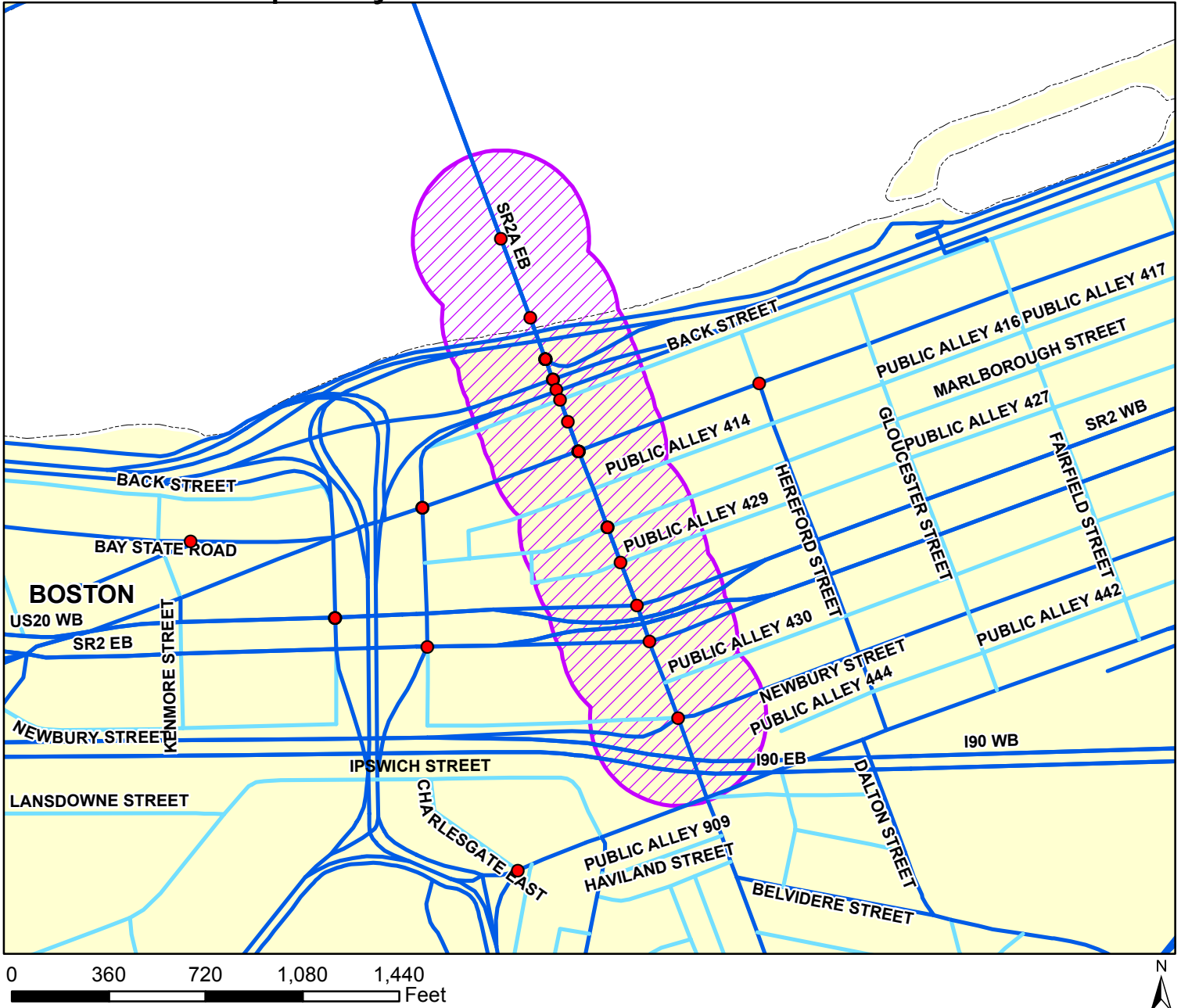
Number of Non-Injury Crashes 15

Total Crashes 35

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary

# Top Bicycle Crash Cluster 2006 - 2015



**RANK**  
**10**

## BOSTON

MassDOT District 6

RPA MAPC

EPDO 114

Number of Fatal Crashes 1

Number of Injury Crashes 19

Number of Non-Injury Crashes 9

Total Crashes 29

### Legend

- Crash Locations 2006-2015
- All Functional Classification Except Local Roads
- Local Roads
- Top Bicycle Crash Cluster
- Municipal Boundary