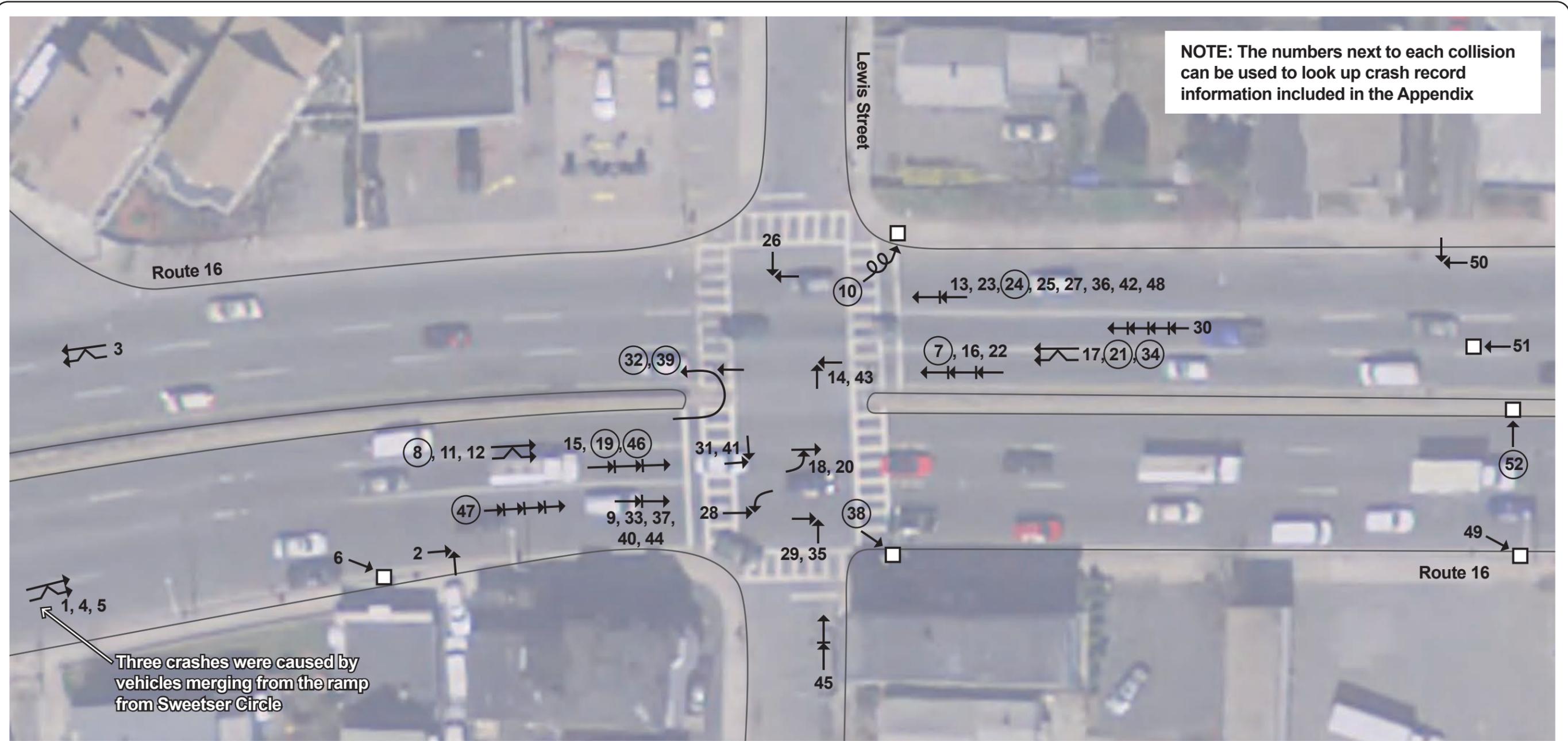


Appendix D: Traffic Safety Data

1. Collision Diagrams
2. Expected Crashes Analysis

Part 1: Collision Diagrams



NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix

Three crashes were caused by vehicles merging from the ramp from Sweetser Circle

SYMBOLS		TYPES OF CRASH		SEVERITY	
Moving Vehicle Backing Vehicle Non-Involved Vehicle Pedestrian	Parked Vehicle Fixed Object Bicycle Animal	Head On Angle Rear End	Sideswipe Out of Control	Injury Accident	Fatal Accident

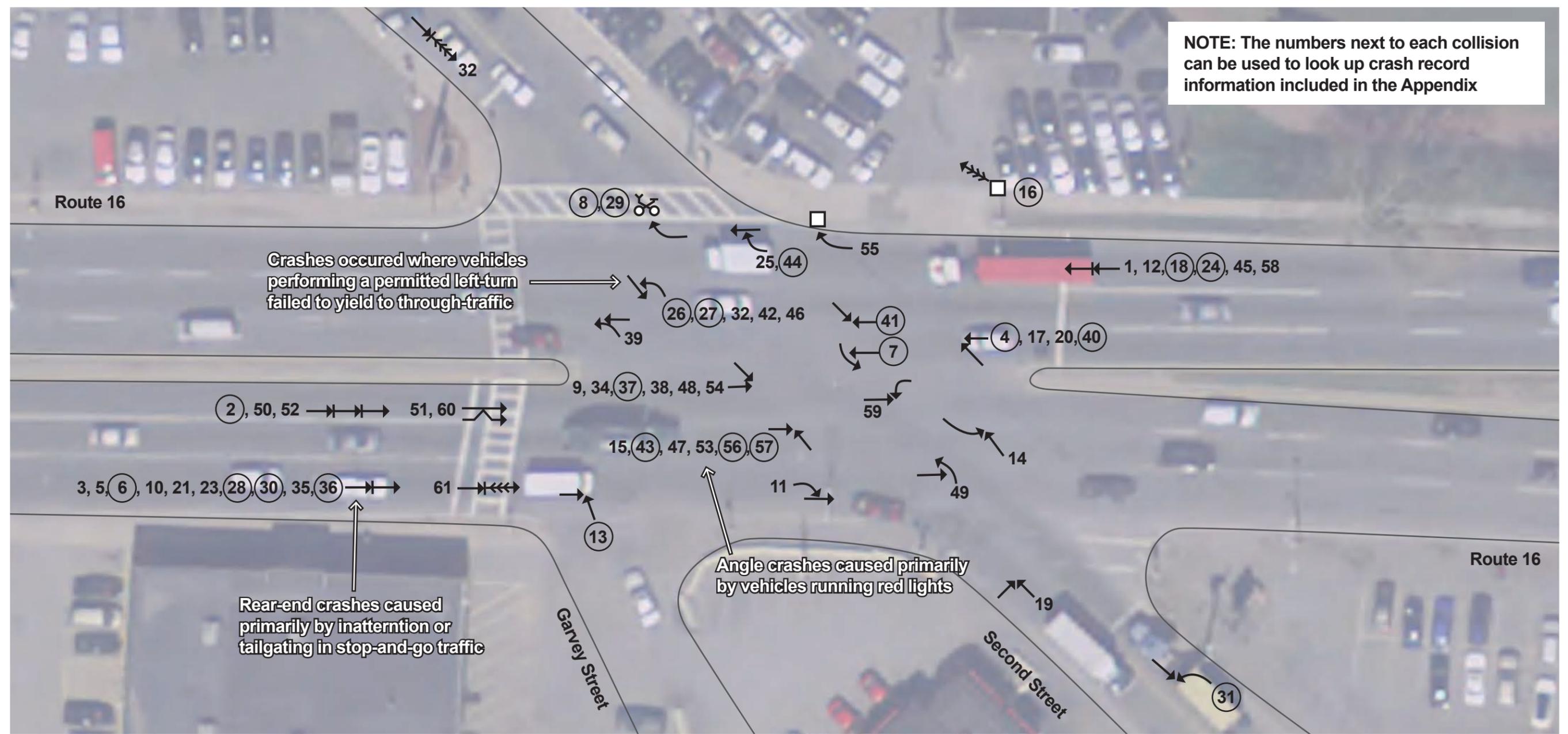
Figure 1
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 west of Lewis Street	At Richie's Slush	3156093	2012-06-27	2:26 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Entering traffic lane	No improper action
2	Route 16 west of Lewis Street	Richie's Slush	3215954	2012-07-08	1:25 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Entering traffic lane	No improper action
3	Route 16 west of Lewis Street	Revere Beach Parkway Rte 16 W / Gladstone Street	3786201	2014-03-30	1:45 AM	Sideswipe, same direction	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
4	Route 16 west of Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3863434	2014-05-22	7:00 PM	Sideswipe, same direction	Property damage only		Dry	Dusk	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
5	Route 16 west of Lewis Street	Rte 16 E / Lewis Street	4107570	2015-09-04	2:50 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
6	Route 16 west of Lewis Street	Revere Beach Parkway Rte Unknow / 2084	4107906	2015-11-05	7:15 AM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Backing	Other improper action
7	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 W / Lewis Street	3068770	2012-05-02	11:30 AM	Rear-end	Not Reported		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	
8	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3075130	2012-05-03	5:00 PM	Sideswipe, same direction	Not Reported		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Entering traffic lane	
9	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3226329	2012-08-05	8:30 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
10	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 / Lewis Street	3244896	2012-08-12	1:42 AM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Over-correcting/over-
11	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3252046	2012-08-30	11:09 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	No improper action
12	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 / Lewis Street	3366824	2012-10-01	4:30 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
13	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 W / Lewis Street	3285752	2012-10-29	6:40 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Rain	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Other improper action
14	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 / Lewis Street	3291002	2012-11-13	9:47 AM	Angle	Property damage only		Wet	Daylight	Rain	Peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
15	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3347225	2013-01-17	5:15 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Unknown	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
16	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 W / Lewis Street	3349822	2013-01-31	11:20 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Follow too closely
17	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 / Lewis Street	3349827	2013-02-04	7:56 AM	Sideswipe, same direction	Property damage only		Wet	Daylight	Unknown	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Other improper action
18	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 / Lewis Street	3352306	2013-02-07	11:49 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	Made improper turn
19	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3367591	2013-03-05	11:10 AM	Rear-end	Non-fatal injury		Dry	Daylight	Unknown	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Driving too fast for conditions
20	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3491634	2013-06-29	6:55 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Unknown	Peak	V1:Not reported / V2:Eastbound	V1: Not reported / V2:Travelling straight ahead	
21	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3588785	2013-09-13	1:30 AM	Sideswipe, same direction	Non-fatal injury		Wet	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning right	No improper action
22	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 W / Lewis Street	3600677	2013-09-26	3:10 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead / V3:Travelling straight ahead	Follow too closely
23	Route 16 at Lewis Street	Silver Fox	3605474	2013-09-27	8:45 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
24	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 W / Lewis Street	3735568	2014-02-07	8:55 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Other improper action
25	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 W / Lewis Street	3802764	2014-05-17	7:20 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at Lewis Street	Rte 16 W / Lewis Street	3818280	2014-05-27	10:20 AM	Angle	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
27	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 W / Lewis Street	3963162	2014-10-08	5:20 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Inattention
28	Route 16 at Lewis Street	Revere Beach Parkway Rte 16 E / Lewis Street	3974593	2014-11-12	10:15 AM	Angle	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning left	No improper action
29	Route 16 at Lewis Street	Lewis Street / Revere Beach Parkway Rte Sr16 E	4010793	2015-02-15	11:20 AM	Angle	Property damage only	ped	Snow/Ice	Daylight	Snow	Off-peak	V1:Eastbound / V2:Northbound	V1: Overtaking/passing / V2:Entering traffic lane	Driving too fast for conditions
30	Route 16 at Lewis Street	Rte 16 W / Lewis Street	4014986	2015-02-27	2:45 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound / V4:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	No improper action
31	Route 16 at Lewis Street	Lewis Street / Revere Beach Parkway Rte Sr16 E	4022740	2015-03-19	2:30 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
32	Route 16 at Lewis Street	Rte 16 W / Lewis Street	4042230	2015-04-26	9:40 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Northbound / V2:Westbound	V1: Making U-turn / V2:Travelling straight ahead	Disregarding traffic signs
33	Route 16 at Lewis Street	Revere Beach Parkway Rte Sr16 E / Lewis Street	4058988	2015-06-09	7:28 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
34	Route 16 at Lewis Street	Revere Beach Parkway Rte Unknow W / Lewis Street	4060445	2015-07-05	4:49 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Turning left / V2:Overtaking/passing	No improper action
35	Route 16 at Lewis Street	Lewis Street / Revere Beach Parkway Rte Sr16 E	4089589	2015-09-08	1:25 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Northbound	V1: Travelling straight ahead	No improper action
36	Route 16 at Lewis Street	Revere Beach Parkway Rte Sr16 W / Lewis Street	4095539	2015-10-13	4:45 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Disregarding traffic signs
37	Route 16 at Lewis Street	Rte 16 E / Lewis Street	4120953	2015-11-19	5:00 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
38	Route 16 at Lewis Street	2066 Revere Beach Parkway	4142740	2016-01-24	8:25 PM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Over-correcting/over-
39	Route 16 at Lewis Street	Rte 16 W / Lewis Street	4151667	2016-02-13	7:12 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
40	Route 16 at Lewis Street	Lewis Street / Revere Beach Parkway Rte Sr16 E	4165491	2016-03-06	3:10 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
41	Route 16 at Lewis Street	Rte 16 E / Lewis Street	4169396	2016-03-25	2:00 AM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
42	Route 16 at Lewis Street	Rte 16 W / Rte Lewis	4175972	2016-04-07	1:05 PM	Rear-end	Property damage only		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Other improper action
43	Route 16 at Lewis Street	Richies Slush	4175964	2016-04-07	6:38 PM	Angle	Property damage only		Wet	Dusk	Rain	Peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Fail to yield right of way
44	Route 16 at Lewis Street	Richie's Slush	4201680	2016-04-28	9:50 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
45	Route 16 at Lewis Street	Revere Beach Parkway Rte Unknow E / Lewis Street	4187335	2016-05-07	11:02 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
46	Route 16 at Lewis Street	Lewis Street / Revere Beach Parkway Rte Sr16 E	4233999	2016-08-09	6:45 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Glare
47	Route 16 at Lewis Street	50 Feet W From Intersection Revere Beach Parkway Rte 16 E	4268188	2016-09-24	1:20 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound / V4:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	No improper action
48	Route 16 at Lewis Street	Revere Beach Parkway Rte Sr16 W / Lewis Street	4311618	2016-12-20	9:08 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Other improper action
49	Route 16 btwn Lewis and Second	Revere Beach Parkway Rte 16 / Lewis Street	3396240	2013-04-16	6:45 PM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Travelling straight ahead	
50	Route 16 btwn Lewis and Second	D'Angelo	3465050	2013-06-08	11:40 AM	Angle	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Not reported / V2:Not reported	V1: Other / V2:Not reported	

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
51	Route 16 btwn Lewis and Second	Revere Beach Parkway Rte 16 E / Lewis Street	3737850	2014-02-07	8:20 AM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound	V1: Travelling straight ahead	No improper action
52	Route 16 btwn Lewis and Second	100 Feet W From Intersection Revere Beach Parkway Rte 16	4237717	2016-08-23	6:58 PM	Single vehicle crash	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound	V1: Travelling straight ahead	Other improper action



SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [Trapezoid] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [Square] Fixed Object	→↔ Angle	↻ Out of Control		
- - - Non-Involved Vehicle	→ [Bicycle] Bicycle	→↔ Rear End			
→ [Stick Figure] Pedestrian	→ [Animal] Animal				

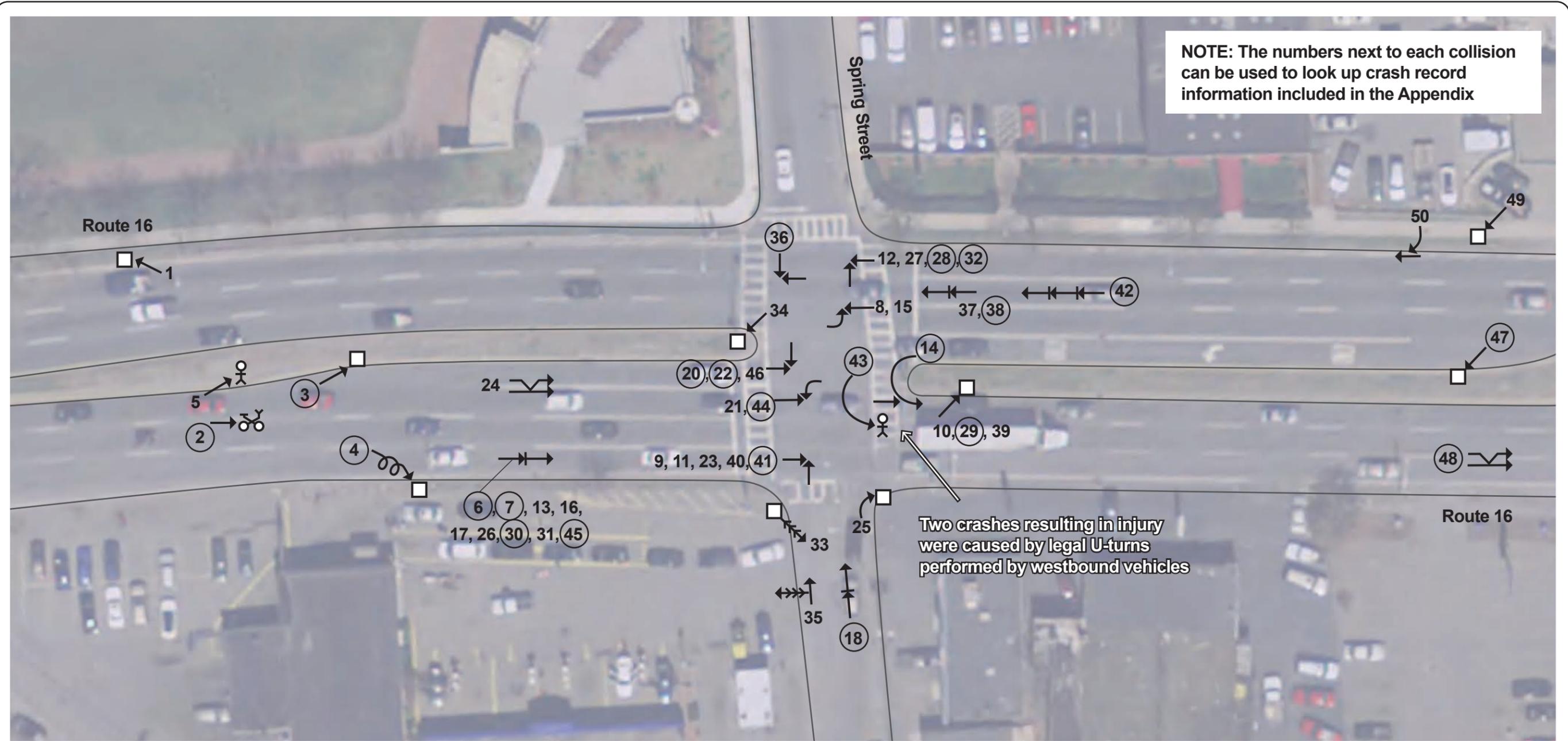
Figure 2
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte 16 W	2922179	2012-02-17	3:10 PM	Rear-end	Property damage only		Dry	Daylight	Unknown	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Follow too closely
2	Route 16 at Second Street	Second Street	3378020	2012-03-08	3:02 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
3	Route 16 at Second Street	Town Fair Tire	3378024	2012-03-17	9:51 AM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
4	Route 16 at Second Street	Rte 16 / Second Street	3065665	2012-04-23	8:26 PM	Angle	Not Reported		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Not reported	V1: Travelling straight ahead / V2:Not reported	
5	Route 16 at Second Street	Revere Beach Parkway Rte 16 / Second Street	3044644	2012-04-23	9:15 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
6	Route 16 at Second Street	Rte 16 E / Garvey Street	3138859	2012-06-17	2:43 AM	Rear-end	Not Reported		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	
7	Route 16 at Second Street	Revere Beach Parkway Rte 16 / Garvey Street	3153380	2012-06-17	10:42 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
8	Route 16 at Second Street	Revere Beach Parkway Rte 16 W / Second Street	3241178	2012-07-14	8:53 PM	Angle	Non-fatal injury	ped	Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound	V1: Turning right	Fail to yield right of way
9	Route 16 at Second Street	Revere Beach Parkway Rte 16 / Garvey Street	3278620	2012-10-14	4:50 AM	Angle	Property damage only		Wet	Dark - lighted roadway	Unknown	Off-peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
10	Route 16 at Second Street	Revere Beach Parkway Rte 16 W / Second Street	3293155	2012-11-19	2:45 PM	Rear-end	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	Erratic or reckless
11	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Second Street	3322360	2012-12-21	6:29 AM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Unknown	Peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	Fail to yield right of way
12	Route 16 at Second Street	Car Wash	3391096	2013-01-04	6:25 AM	Rear-end	Property damage only		Dry	Dawn	Unknown	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
13	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Second Street	3356228	2013-02-18	5:05 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	Disregarding traffic signs
14	Route 16 at Second Street	Dangelos	3369629	2013-03-16	8:39 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	No improper action
15	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Second Street	3381598	2013-03-25	7:10 AM	Angle	Property damage only		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
16	Route 16 at Second Street	Gallery K Pklot	3414416	2013-04-08	9:45 AM	Single vehicle crash	Unknown		Dry	Daylight	Clear	Peak	V1:Not reported	V1: Not reported	
17	Route 16 at Second Street	Revere Beach Parkway Rte 16 / Second Street	3396790	2013-04-19	12:04 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
18	Route 16 at Second Street	Revere Beach Parkway Rte 16 W / Second Street	3484058	2013-06-17	3:10 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
19	Route 16 at Second Street	Revere Beach Parkway / Second Street	3511215	2013-07-03	4:45 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Entering traffic lane / V2:Travelling straight ahead	
20	Route 16 at Second Street	Rte 16 E / Garvey Street	3508947	2013-07-07	2:25 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
21	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Lewis Street	3591065	2013-09-07	3:55 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Operating defective
22	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Garvey Street	3736079	2014-02-07	12:00 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
23	Route 16 at Second Street	Town Fair Tire	3789983	2014-04-05	1:15 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
24	Route 16 at Second Street	Rte 16 E / Second Street	3793957	2014-04-27	7:34 PM	Rear-end	Non-fatal injury		Wet	Daylight	Rain	Off-peak	V1:Southbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
25	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 W / Second Street	3808677	2014-05-03	11:15 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at Second Street	Rte 16 E / Second Street	3804375	2014-05-17	8:50 AM	Angle	Non-fatal injury		Wet	Daylight	Unknown	Peak	V1:Northbound / V2:Southbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
27	Route 16 at Second Street	Revere Beach Parkway Rte 16 / Second Street	3847258	2014-06-13	7:40 AM	Angle	Non-fatal injury		Wet	Daylight	Cloudy	Peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	No improper action
28	Route 16 at Second Street	Town Fair Tire	3880605	2014-07-13	2:38 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Other improper action
29	Route 16 at Second Street	Revere Beach Parkway Rte 16 W / Second Street	3909135	2014-08-08	8:40 PM	Angle	Non-fatal injury	cyc	Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound	V1: Turning right	
30	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Second Street	3924500	2014-08-27	5:25 PM	Rear-end	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
31	Route 16 at Second Street	Revere Beach Parkway / Second Street	3954787	2014-09-12	11:00 AM	Head-on	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Not reported	V1: Turning right / V2:Turning left	
32	Route 16 at Second Street	Revere Beach Parkway Rte 16 / Second Street	3975331	2014-10-24	7:30 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Southbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
33	Route 16 at Second Street	Revere Beach Parkway Rte 16 W / Second Street	3980307	2014-11-24	8:46 AM	Rear-to-rear	Property damage only		Wet	Daylight	Rain	Peak	V1:Northbound / V2:Northbound	V1: Backing / V2:Slowing or stopped in traffic	Other improper action
34	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 W / Second Street	3990196	2014-12-19	12:00 AM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
35	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Second Street	3988343	2014-12-29	12:35 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
36	Route 16 at Second Street	Revere Beach Parkway Rte 16 E / Garvey Street	3992669	2015-01-06	7:55 PM	Rear-end	Non-fatal injury		Snow/Ice	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Follow too closely
37	Route 16 at Second Street	Rte 16 W / Second Street	4011143	2015-01-28	7:20 PM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
38	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 W / Second Street	4040457	2015-04-12	1:52 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
39	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 W / Second Street	4034662	2015-04-15	3:40 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Other improper action
40	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 W / Second Street	4037189	2015-04-16	12:50 PM	Angle	Non-fatal injury		Dry	Daylight	Cloudy	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
41	Route 16 at Second Street	Rte 16 / Second Street	4069105	2015-08-01	11:50 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Southbound / V3:Northbound / V4:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead / V4:Travelling straight ahead	Disregarding traffic signs
42	Route 16 at Second Street	Rte 16 / Second Street	4068686	2015-08-02	12:15 AM	Head-on	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	Erratic or reckless
43	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4074145	2015-08-06	8:45 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
44	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 W / Second Street	4075506	2015-08-16	9:45 AM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Other improper action
45	Route 16 at Second Street	Rte 16 W / Second Street	4092650	2015-09-30	5:35 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
46	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4104139	2015-10-15	12:31 PM	Head-on	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning left	
47	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4099907	2015-10-22	6:10 AM	Angle	Property damage only		Dry	Dawn	Cloudy	Peak	V1:Eastbound / V2:Northbound	V1: Entering traffic lane / V2:Travelling straight ahead	Disregarding traffic signs
48	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4118710	2015-12-04	4:35 AM	Angle	Property damage only		Dry	Dawn	Clear	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
49	Route 16 at Second Street	Garvey Street / Revere Beach Parkway Rte Sr16 E	4128720	2015-12-20	6:40 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	
50	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4183083	2016-04-09	12:45 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
51	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 E / Second Street	4173882	2016-04-09	7:30 PM	Sideswipe, same direction	Property damage only		Dry	Not reported	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
52	Route 16 at Second Street	Town Fair Tire	4218800	2016-06-11	12:05 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
53	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 W / Second Street	4229660	2016-07-29	7:00 PM	Angle	Property damage only		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
54	Route 16 at Second Street	Rte 16 E / Spring Street	4245154	2016-08-27	9:35 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
55	Route 16 at Second Street	Revere Beach Parkway Rte Sr16 E / Second Street	4242272	2016-09-04	3:35 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound	V1: Not reported	Erratic or reckless
56	Route 16 at Second Street	Rte 16 E / Second Street	4252081	2016-09-07	1:25 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
57	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4263054	2016-10-01	5:15 AM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
58	Route 16 at Second Street	Rte 16 E / Second Street	4294976	2016-11-20	1:20 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Follow too closely
59	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4311658	2016-12-01	6:48 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning left	No improper action
60	Route 16 at Second Street	Rte 16 E / Garvey Street	4311678	2016-12-07	2:40 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
61	Route 16 at Second Street	Second Street / Revere Beach Parkway Rte Sr16 E	4311733	2016-12-24	1:40 PM	Rear-to-rear	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Backing	No improper action



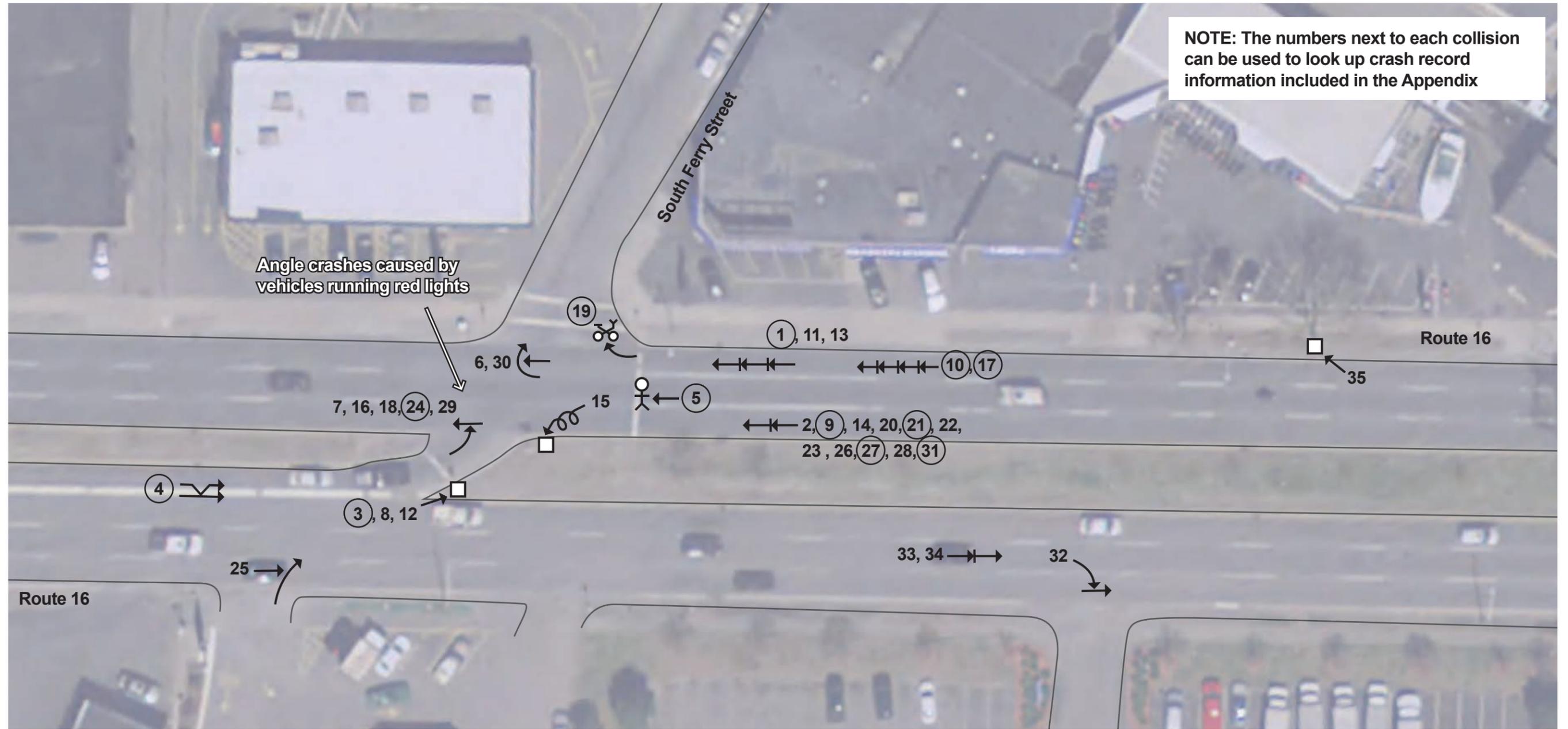
SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [Trapezoid] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [Square] Fixed Object	→↔ Angle	↻ Out of Control		
- - - Non-Involved Vehicle	→ [Bicycle] Bicycle	→↔ Rear End			
→ [Stick Figure] Pedestrian	→ [Animal] Animal				

Figure 3
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 btwn Second and Spring	Revere Beach Parkway Rte 16 E / Second Street	3370375	2013-03-12	9:45 PM	Single vehicle crash	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound	V1: Travelling straight ahead	No improper action
2	Route 16 btwn Second and Spring	Revere Beach Parkway Rte 16 E / Second Street	3453010	2013-06-04	12:00 AM	Single vehicle crash	Non-fatal injury	cyc	Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Inattention
3	Route 16 btwn Second and Spring	Car Wash	3968119	2014-03-30	2:34 AM	Single vehicle crash	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Erratic or reckless
4	Route 16 btwn Second and Spring	Revere Beach Parkway Rte 16 / Second Street	3800665	2014-05-09	4:20 AM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Fatigued/Sleep
5	Route 16 btwn Second and Spring	Revere Beach Parkway Rte 16 E / Second Street	4119055	2015-12-02	12:15 AM	Single vehicle crash	Property damage only	ped	Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
6	Route 16 at Spring Street	Rte 16 / Spring Street	3074858	2012-05-08	6:57 PM	Rear-end	Not Reported		Wet	Daylight	Rain	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	
7	Route 16 at Spring Street	@ Spring	3229290	2012-08-04	6:20 PM	Rear-end	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Follow too closely
8	Route 16 at Spring Street	Revere Beach Parkway Rte 16 / Spring Street	3235152	2012-08-08	3:20 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	Disregarding traffic signs
9	Route 16 at Spring Street	Revere Beach Parkway Rte 16 / Spring Street	3346800	2013-01-26	7:56 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
10	Route 16 at Spring Street	Everett Stadium	3384428	2013-02-12	7:45 AM	Single vehicle crash	Property damage only		Wet	Daylight	Unknown	Peak	V1:Eastbound	V1: Turning left	
11	Route 16 at Spring Street	Revere Beach Parkway Rte 16 E / Spring Street	3388956	2013-04-03	8:45 AM	Angle	Property damage only		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
12	Route 16 at Spring Street	Revere Beach Parkway Rte 16 W / Spring Street	3423293	2013-05-18	6:45 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
13	Route 16 at Spring Street	Rte 16 / Spring Street	3434056	2013-05-30	10:52 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
14	Route 16 at Spring Street	Revere Beach Parkway Rte 16 E / Spring Street	3475907	2013-06-19	8:39 AM	Angle	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Southbound / V2:Eastbound	V1: Making U-turn / V2:Travelling straight ahead	Fail to yield right of way
15	Route 16 at Spring Street	Revere Beach Parkway Rte 16 / Spring Street	3484249	2013-06-20	12:30 PM	Angle	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Turning right	
16	Route 16 at Spring Street	Revere Beach Parkway Rte 16 / Spring Street	3668232	2013-11-18	5:05 PM	Rear-end	Property damage only		Dry	Dusk	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Follow too closely
17	Route 16 at Spring Street	Revere Beach Parkway Rte 16 / Spring Street	3665834	2013-11-18	11:40 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
18	Route 16 at Spring Street	Spring St @ Rt 16 Eb	3743820	2013-12-10	12:05 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Follow too closely
19	Route 16 at Spring Street	Revere Beach Parkway Rte 16 W / Spring Street	3800825	2014-04-21	9:43 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Other improper action
20	Route 16 at Spring Street	Revere Beach Parkway Rte 16 E / Spring Street	3852786	2014-06-11	9:35 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
21	Route 16 at Spring Street	Revere Beach Parkway Rte 16 E / Spring Street	3896236	2014-07-31	10:00 AM	Angle	Property damage only		Dry	Daylight	Unknown	Peak	V1:Southbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
22	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	3962125	2014-10-03	7:10 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Glare
23	Route 16 at Spring Street	Revere Beach Parkway Rte 16 E / Spring Street	3972923	2014-10-18	10:30 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
24	Route 16 at Spring Street	Revere Beach Parkway Rte 16 E / Spring Street	3989852	2014-12-23	4:45 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Made improper turn
25	Route 16 at Spring Street	Revere Beach Parkway Rte 16 / Spring Street	3994657	2015-01-09	3:35 PM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound	V1: Turning right	Failure to keep in proper lane

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at Spring Street	Rte 16 E / Spring Street	4018353	2015-02-28	5:45 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
27	Route 16 at Spring Street	Rte 16 / Spring Street	4026952	2015-03-11	1:00 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
28	Route 16 at Spring Street	Everett Stadium	4030676	2015-04-07	5:35 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
29	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4059080	2015-07-03	10:30 PM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Failure to keep in proper lane
30	Route 16 at Spring Street	Rte 16 / Spring Street	4074360	2015-08-16	2:00 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Distracted
31	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4076696	2015-08-22	10:15 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
32	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 W / Spring Street	4078802	2015-08-29	5:00 AM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
33	Route 16 at Spring Street	Rte 16 E / Spring Street	4093716	2015-09-30	12:32 PM	Single vehicle crash	Property damage only		Wet	Daylight	Cloudy	Off-peak	V1:Eastbound	V1: Backing	Other improper action
34	Route 16 at Spring Street	Revere Beach Parkway Rte 16 W / Spring Street	4126405	2015-12-18	6:20 PM	Single vehicle crash	Property damage only		Wet	Dark - lighted roadway	Unknown	Peak	V1:Westbound	V1: Travelling straight ahead	Cellphone
35	Route 16 at Spring Street	Car Wash	4183563	2016-02-28	12:30 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Backing / V2:Slowing or stopped in traffic	
36	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 W / Spring Street	4180024	2016-04-18	6:45 AM	Angle	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
37	Route 16 at Spring Street	Rte 16 W / Spring Street	4195699	2016-05-25	2:30 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
38	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 W / Spring Street	4201677	2016-05-29	3:35 PM	Rear-end	Non-fatal injury		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
39	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 W / Spring Street	4218718	2016-05-31	7:40 AM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Travelling straight ahead	Fatigued/Sleep
40	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4204859	2016-06-07	9:45 PM	Angle	Property damage only		Wet	Dark - roadway not	Rain	Off-peak	V1:Eastbound / V2:Northbound / V3:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	Disregarding traffic signs
41	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4219963	2016-06-22	7:00 AM	Angle	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Inattention
42	Route 16 at Spring Street	150 Feet W From Intersection Revere Beach Parkway Rte 16	4219965	2016-06-22	7:30 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	No improper action
43	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4221878	2016-06-29	2:20 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Daylight	Clear	Off-peak	V1:Eastbound	V1: Making U-turn	No improper action
44	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4229669	2016-08-04	7:28 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	No improper action
45	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4270352	2016-10-17	7:55 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Distracted
46	Route 16 at Spring Street	Revere Beach Parkway Rte Sr16 E / Spring Street	4311642	2016-11-26	12:28 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Entering traffic lane	No improper action
47	Route 16 btwn Spring and S. Ferry	Revere Beach Parkway Rte Sr16 W / South Ferry Street	3786204	2014-04-07	10:40 PM	Single vehicle crash	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound	V1: Leaving traffic lane	Failure to keep in proper lane
48	Route 16 btwn Spring and S. Ferry	@ Dunkin Donuts	3993961	2014-11-26	12:35 PM	Sideswipe, same direction	Non-fatal injury		Wet	Daylight	Rain	Off-peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Inattention
49	Route 16 btwn Spring and S. Ferry	1919 Revere Beach Parkway Rte 16 W / 1919 South Ferry Street	4092278	2015-09-24	11:03 AM	Single vehicle crash	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Southbound	V1: Turning right	Made improper turn
50	Route 16 btwn Spring and S. Ferry	100 Feet W From Intersection Revere Beach Parkway Rte 16	4315295	2016-12-29	12:05 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning right	No improper action



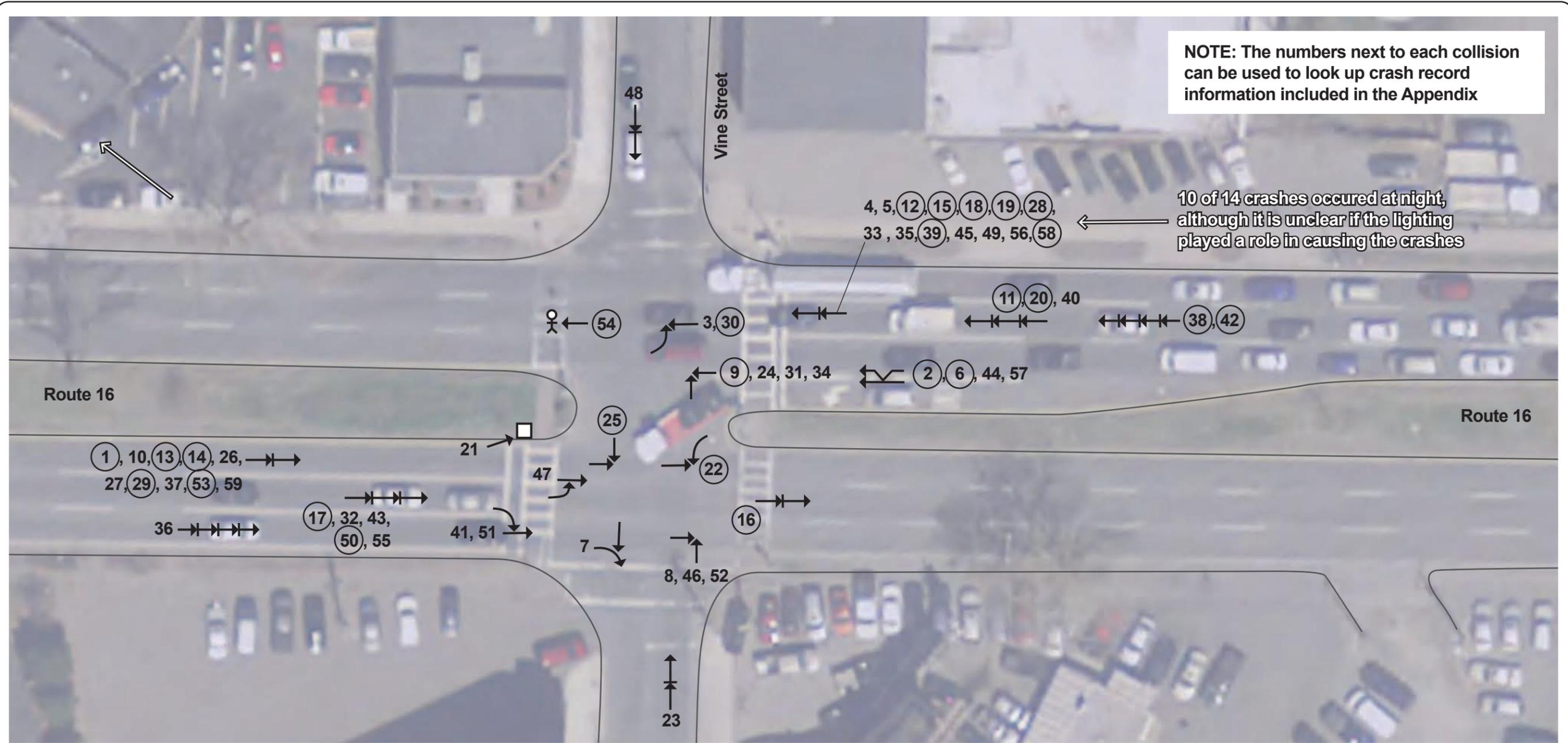
SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [Trapezoid] Parked Vehicle	↔↔↔ Head On	↔↔↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔↔↔ Backing Vehicle	→ [Square] Fixed Object	↔↔↔ Angle	↔↔↔ Out of Control		
- - - - - Non-Involved Vehicle	→ [Bicycle] Bicycle	→↔↔ Rear End			
→ [Stick Figure] Pedestrian	→ [Animal] Animal				

Figure 4
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at South Ferry Street	By Pep Boys	3378015	2012-03-02	6:55 PM	Rear-end	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
2	Route 16 at South Ferry Street	Suzuki Dealership	3376025	2012-04-20	4:38 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
3	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 E / South Ferry Street	3150151	2012-06-19	1:34 PM	Single vehicle crash	Not Reported		Dry	Daylight	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	
4	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 E / South Ferry Street	3282061	2012-10-21	11:07 AM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Other improper action
5	Route 16 at South Ferry Street	@ Parkway Cycle	3309833	2012-11-15	5:25 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound	V1: Travelling straight ahead	Fail to yield right of way
6	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 W / South Ferry Street	3299689	2012-12-08	10:45 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning right	No improper action
7	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 W / South Ferry Street	3363523	2013-02-28	5:00 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
8	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 / South Ferry Street	3377087	2013-03-30	1:28 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Turning left	Failure to keep in proper lane
9	Route 16 at South Ferry Street	Rte 16 W / South Ferry Street	3560800	2013-08-13	9:15 PM	Rear-end	Non-fatal injury		Dry	Dusk	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Heart Condition/Epile
10	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 W / South Ferry Street	3725518	2014-01-28	6:42 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Distracted
11	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 W / South Ferry Street	3801642	2014-04-26	12:10 PM	Rear-end	Property damage only		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	No improper action
12	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 E / South Ferry Street	3804376	2014-05-20	1:30 AM	Single vehicle crash	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Failure to keep in proper lane
13	Route 16 at South Ferry Street	Revere Beach Parkway Rte 16 W / South Ferry Street	3978694	2014-11-26	6:20 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	Other improper action
14	Route 16 at South Ferry Street	Revere Beach Parkway Rte Sr16 W / South Ferry Street	3977878	2014-11-27	10:49 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Snow	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Disregarding traffic signs
15	Route 16 at South Ferry Street	South Ferry St.	4020720	2015-03-11	6:10 AM	Single vehicle crash	Property damage only		Wet	Dark - lighted roadway	Cloudy	Peak	V1:Westbound	V1: Travelling straight ahead	Operating defective
16	Route 16 at South Ferry Street	South Ferry Street / Revere Beach Parkway Rte Sr16 W	4027866	2015-04-01	6:55 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
17	Route 16 at South Ferry Street	Parkway Cycle	4060456	2015-07-10	5:08 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound / V4:Westbound /	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	No improper action
18	Route 16 at South Ferry Street	South Ferry Street / Revere Beach Parkway Rte Sr16 W	4063365	2015-07-15	5:44 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
19	Route 16 at South Ferry Street	By Parkway Cycle	4082964	2015-09-05	1:00 AM	Sideswipe, same direction	Non-fatal injury	cyc	Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	
20	Route 16 at South Ferry Street	Parkway Cycle	4139567	2016-01-19	5:57 AM	Rear-end	Property damage only		Snow/Ice	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
21	Route 16 at South Ferry Street	Rte 16 E / South Ferry Street	4143048	2016-01-24	12:30 PM	Rear-end	Non-fatal injury		Dry	Daylight	Cloudy	Off-peak	V1:Not reported / V2:Not reported	V1: Not reported / V2:Not reported	
22	Route 16 at South Ferry Street	Parkway Cycles	4169163	2016-03-20	5:49 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
23	Route 16 at South Ferry Street	Parkway Cycle	4169394	2016-03-25	1:15 AM	Rear-end	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	No improper action
24	Route 16 at South Ferry Street	Revere Beach Parkway Rte Sr16 E / South Ferry Street Rte South	4180777	2016-04-24	8:50 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	
25	Route 16 at South Ferry Street	0 Feet W From Intersection South Ferry Street	4187423	2016-04-29	5:15 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Northbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Failure to keep in proper lane

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at South Ferry Street	South Ferry Street / Revere Beach Parkway Rte Sr16 W	4266790	2016-10-18	8:50 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
27	Route 16 at South Ferry Street	South Ferry Street / Revere Beach Parkway Rte Sr16 W	4276155	2016-10-27	7:45 PM	Rear-end	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Follow too closely
28	Route 16 at South Ferry Street	South Ferry Street / Revere Beach Parkway Rte Sr16 W	4285265	2016-11-08	7:20 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Other improper action
29	Route 16 at South Ferry Street	South Ferry Street / Revere Beach Parkway Rte Sr16 W	4293791	2016-11-19	7:55 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
30	Route 16 at South Ferry Street	South Ferry Street / Revere Beach Parkway Rte Sr16 W	4311644	2016-11-27	7:25 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	No improper action
31	Route 16 at South Ferry Street	Revere Beach Parkway Rte Unknow / South Ferry Street	4311690	2016-12-11	2:53 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
32	Route 16 btwn S. Ferry and Vine	Revere Beach Parkway Rte 16 W / Vine Street	3721201	2014-01-18	3:42 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Turning right / V2:Travelling straight ahead	Made improper turn
33	Route 16 btwn S. Ferry and Vine	Dunkin Donuts	4142729	2016-01-04	3:00 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Westbound	V1: Entering traffic lane / V2:Travelling straight ahead	Fail to yield right of way
34	Route 16 btwn S. Ferry and Vine	1886 Revere Beach Parkway Rte 16 E	4218717	2016-05-30	6:20 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
35	Route 16 btwn S. Ferry and Vine	At Parkway Cycle	4219943	2016-06-18	11:05 PM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action



NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix

10 of 14 crashes occurred at night, although it is unclear if the lighting played a role in causing the crashes

SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [trapezoid] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [square] Fixed Object	↘↙ Angle	↻ Out of Control		
- - - Non-Involved Vehicle	→ [bicycle] Bicycle	→↘ Rear End			
→ [stick figure] Pedestrian	→ [animal] Animal				

Figure 5
Collision Diagram: 2012–16 Police Data

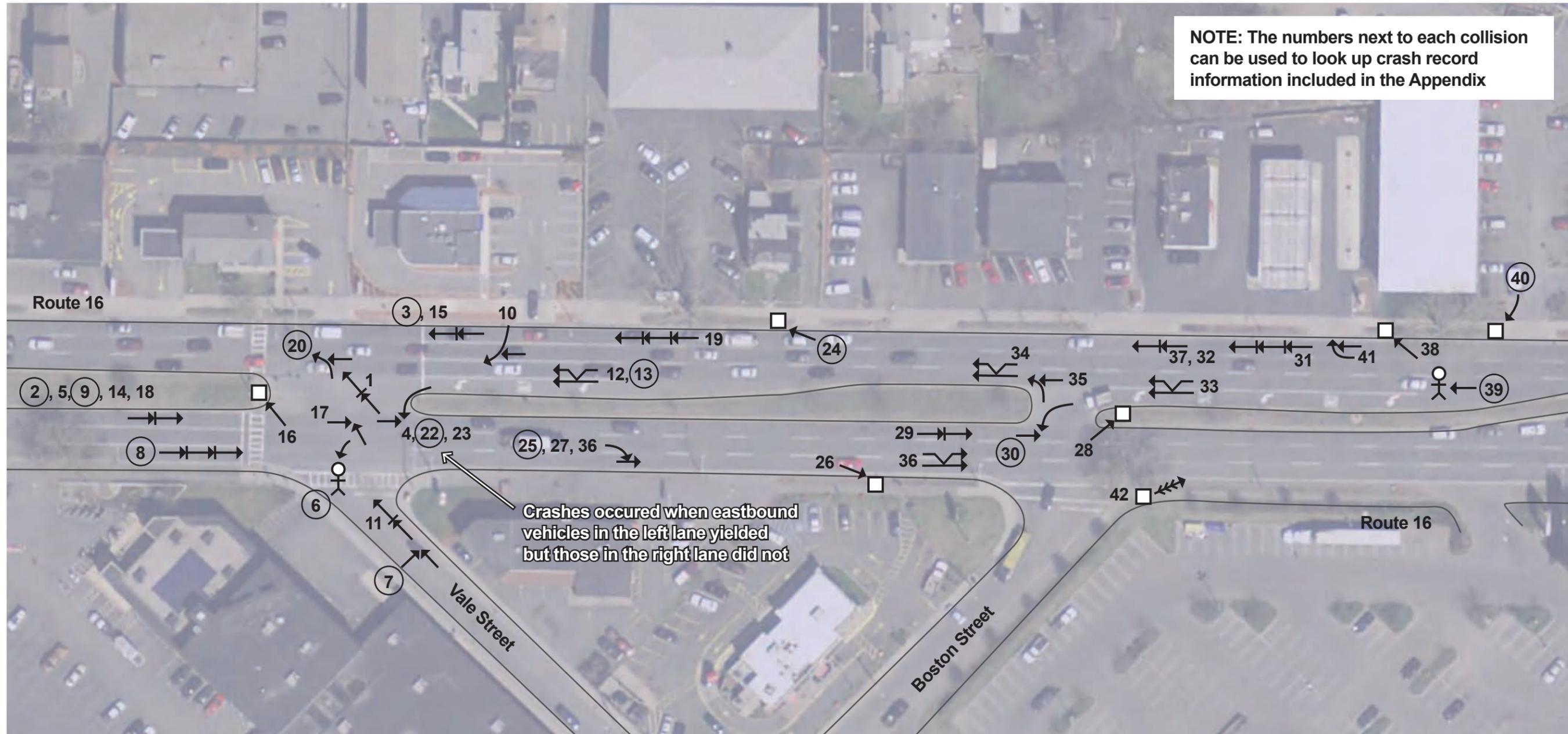


Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3068767	2012-05-01	11:10 AM	Rear-end	Not Reported		Wet	Daylight	Rain	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	
2	Route 16 at Vine Street	0 Feet E From Intersection Revere Beach Parkway Rte 16	3116223	2012-05-25	9:15 AM	Sideswipe, same direction	Not Reported		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	
3	Route 16 at Vine Street	Revere Beach Parkway Rte 16 / Vine Street	3220422	2012-07-12	7:10 PM	Angle	Property damage only		Unknown	Not reported	Unknown	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	No improper action
4	Route 16 at Vine Street	Revere Beach Parkway Rte 16 W / Vine Street	3207732	2012-07-23	2:55 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
5	Route 16 at Vine Street	@Vine Street	3278619	2012-10-13	11:36 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Disregarding traffic signs
6	Route 16 at Vine Street	0 Feet E From Intersection Revere Beach Parkway Rte 16	3279363	2012-10-18	11:50 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Other improper action
7	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3310194	2012-12-09	10:48 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Southbound / V2:Southbound	V1: Turning right / V2:Travelling straight ahead	Disregarding traffic signs
8	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3322291	2012-12-18	8:15 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
9	Route 16 at Vine Street	Revere Beach Parkway Rte 16 W / Lewis Street	3346798	2013-01-23	10:08 AM	Angle	Non-fatal injury	ped	Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
10	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3392481	2013-04-12	12:00 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Not reported	V1: Slowing or stopped in traffic / V2:Not reported	No improper action
11	Route 16 at Vine Street	Revere Beach Parkway Rte 16 / Vine Street	3403068	2013-04-27	10:51 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	No improper action
12	Route 16 at Vine Street	Revere Beach Parkway Rte 16 W / Vine Street	3430448	2013-05-13	3:40 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
13	Route 16 at Vine Street	0 Feet W From Intersection Revere Beach Parkway Rte 16 E	3548341	2013-08-02	10:05 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
14	Route 16 at Vine Street	@ Vine St	3587252	2013-09-01	9:10 AM	Rear-end	Non-fatal injury		Dry	Daylight	Cloudy	Peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Slowing or stopped in traffic	Other improper action
15	Route 16 at Vine Street	Revere Beach Parkway Rte 16 W / Vine Street	3601443	2013-10-01	1:48 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
16	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3640969	2013-10-27	3:20 AM	Rear-end	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Follow too closely
17	Route 16 at Vine Street	Pep Boys	3665839	2013-11-22	9:25 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in traffic	Follow too closely
18	Route 16 at Vine Street	Rte 16 W / Vine Street	3721199	2014-01-16	3:20 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
19	Route 16 at Vine Street	1833 Revere Beach Parkway	3843931	2014-03-17	2:00 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Southbound	V1: Turning right / V2:Slowing or stopped in traffic	
20	Route 16 at Vine Street	Revere Beach Parkway Rte 16 / Vine Street	3773942	2014-03-18	12:00 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in traffic	No improper action
21	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3797785	2014-05-05	10:10 PM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	Inattention
22	Route 16 at Vine Street	Rte 16 E / Vine Street	3804318	2014-05-18	10:10 AM	Sideswipe, opposite	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning left	Disregarding traffic signs
23	Route 16 at Vine Street	Vine Street / Revere Beach Parkway	3886582	2014-06-12	3:00 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Northbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	
24	Route 16 at Vine Street	Revere Beach Parkway Rte 16 W / Vine Street	3866680	2014-06-28	2:19 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
25	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3922621	2014-08-25	6:40 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3924373	2014-08-28	5:15 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
27	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 E / Vine Street	3971361	2014-10-14	12:00 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	No improper action
28	Route 16 at Vine Street	Revere Beach Parkway Rte 16 W / Vine Street	3975906	2014-11-10	9:50 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
29	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3977801	2014-11-22	2:23 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
30	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	3976527	2014-11-22	10:00 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
31	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4007246	2015-02-13	12:35 PM	Angle	Property damage only		Wet	Daylight	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
32	Route 16 at Vine Street	Revere Beach Parkway Rte Unknow E / Vine Street	4030673	2015-04-03	3:04 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	No improper action
33	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4031076	2015-04-09	1:45 AM	Rear-end	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Other improper action
34	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4039001	2015-04-21	2:00 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
35	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4047271	2015-05-25	2:30 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
36	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 E / Vine Street	4065806	2015-07-17	9:00 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound / V4:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Follow too closely
37	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 E / Vine Street	4067980	2015-07-25	6:10 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Fatigued/Sleep
38	Route 16 at Vine Street	0 Feet E From Intersection Rte 16 W / Vine Street	4081096	2015-08-30	9:40 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound / V4:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Follow too closely
39	Route 16 at Vine Street	Rte 16 W / Vine Street	4086747	2015-09-13	2:45 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Disregarding traffic signs
40	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4123008	2015-12-03	7:10 AM	Rear-end	Property damage only		Dry	Daylight	Unknown	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Other improper action
41	Route 16 at Vine Street	Vine Street / Revere Beach Parkway Rte Sr16 E	4128725	2015-12-28	3:30 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	No improper action
42	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4135540	2016-01-09	12:15 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound / V4:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Other improper action
43	Route 16 at Vine Street	Revere Beach Parkway Rte 16 E / Vine Street	4139566	2016-01-15	8:40 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead / V3:Travelling straight ahead	Other improper action
44	Route 16 at Vine Street	Rte 16 W / Vine Street	4143065	2016-01-28	3:10 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
45	Route 16 at Vine Street	Revere Beach Parkway Rte 16 W / Vine Street	4155372	2016-02-23	10:25 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Follow too closely
46	Route 16 at Vine Street	Vine Street / Revere Beach Parkway Rte Sr16 E	4174744	2016-03-16	8:55 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
47	Route 16 at Vine Street	Rte 16 E / Vine Street	4171138	2016-03-27	3:20 AM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Fail to yield right of way
48	Route 16 at Vine Street	Revere Beach Parkway Rte 16 / Vine Street	4197190	2016-05-18	8:10 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Southbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	
49	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4219873	2016-07-10	10:20 AM	Rear-end	Property damage only		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Follow too closely
50	Route 16 at Vine Street	Revere Beach Parkway / Vine Street	4229839	2016-08-01	3:23 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Follow too closely

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
51	Route 16 at Vine Street	Vine Street / Revere Beach Parkway Rte Sr16 E	4245617	2016-08-20	9:50 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	Made improper turn
52	Route 16 at Vine Street	Vine Street / Revere Beach Parkway Rte Sr16 E	4249185	2016-09-06	2:35 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
53	Route 16 at Vine Street	0 Feet W From Intersection Rte 16 E / Vine Street	4245843	2016-09-11	1:00 AM	Rear-end	Non-fatal injury		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
54	Route 16 at Vine Street	Vine Street / Revere Beach Parkway Rte Sr16 E	4255047	2016-09-19	9:50 AM	Angle	Non-fatal injury	ped	Dry	Daylight	Clear	Peak	V1:Westbound	V1: Turning left	No improper action
55	Route 16 at Vine Street	Vine Street / Revere Beach Parkway Rte Sr16 E	4264665	2016-10-14	3:00 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
56	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4284348	2016-11-05	8:20 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
57	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4311649	2016-11-29	2:30 PM	Sideswipe, same direction	Property damage only		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Changing lanes / V3:Changing lanes	No improper action
58	Route 16 at Vine Street	Revere Beach Parkway Rte Sr16 W / Vine Street	4311689	2016-12-10	10:50 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
59	Route 16 at Vine Street	Vine Street / Revere Beach Parkway Rte Sr16 E	4321395	2016-12-24	2:40 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Not reported / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely

NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix



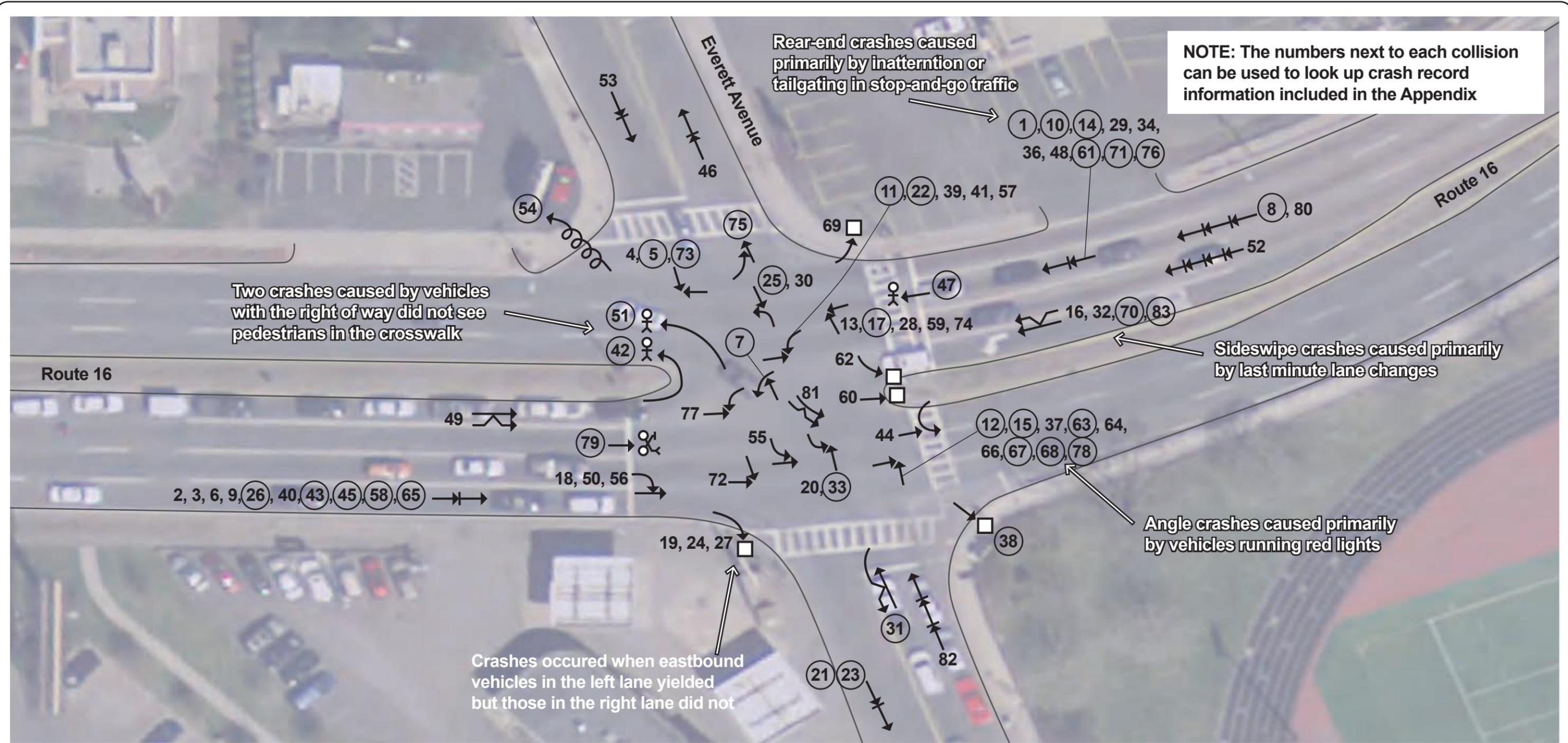
SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [trapezoid] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [square] Fixed Object	→↙ Angle	→ Out of Control		
- - - Non-Involved Vehicle	→ [bicycle] Bicycle	→ Rear End			
→ [stick figure] Pedestrian	→ [animal] Animal				

Figure 6
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at Vale Street	Revere Beach Parkway Rte 16 / Vale Street	3375850	2013-03-22	12:04 PM	Rear-end	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Northbound / V2:Northbound	V1: Backing / V2:Slowing or stopped in traffic	No improper action
2	Route 16 at Vale Street	Harley Davidson Dealership	3395084	2013-04-20	2:28 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	No improper action
3	Route 16 at Vale Street	Across From Harley Davidson	3532786	2013-07-19	9:07 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
4	Route 16 at Vale Street	Revere Beach Parkway Rte 16 E / Boston Street	3550020	2013-08-01	6:35 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Southbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
5	Route 16 at Vale Street	Revere Beach Parkway Rte 16 E / Vale Street	3657961	2013-11-10	1:28 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
6	Route 16 at Vale Street	Valvoline Oil Change	3730894	2014-01-29	1:45 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Daylight	Unknown	Off-peak	V1:Southbound	V1: Turning left	Glare
7	Route 16 at Vale Street	Vale St @ Route 16 East	3856866	2014-05-28	12:55 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Entering traffic lane / V2:Travelling straight ahead	Fail to yield right of way
8	Route 16 at Vale Street	Revere Beach Parkway Rte 16 E / Vine Street	3867493	2014-06-20	4:00 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	No improper action
9	Route 16 at Vale Street	0 Feet W From Intersection Revere Beach Parkway Rte 16 E	3926540	2014-08-28	4:50 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
10	Route 16 at Vale Street	Revere Beach Parkway Rte 16 W / Vale Street	3989088	2014-11-29	12:00 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Westbound	V1: Entering traffic lane / V2:Travelling straight ahead	Other improper action
11	Route 16 at Vale Street	Vale Street / Revere Beach Parkway	4030954	2014-12-09	5:50 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Rain	Peak	V1:Not reported / V2:Not reported	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	
12	Route 16 at Vale Street	0 Feet W From Intersection Revere Beach Parkway Rte 16	4045439	2015-04-28	12:05 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Fail to yield right of way
13	Route 16 at Vale Street	Revere Beach Parkway Rte Sr16 W / Vale Street	4061435	2015-07-02	5:13 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Made improper turn
14	Route 16 at Vale Street	Revere Beach Parkway Rte 16 E / Vale Street	4093710	2015-09-13	3:05 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Not reported	V1: Slowing or stopped in traffic / V2:Not reported	No improper action
15	Route 16 at Vale Street	#1727 Rev. Bch. Pkwy.	4120260	2015-12-06	7:05 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Follow too closely
16	Route 16 at Vale Street	Vale Street / Revere Beach Parkway	4150792	2016-02-09	9:10 PM	Single vehicle crash	Property damage only		Snow/Ice	Dark - lighted roadway	Cloudy	Off-peak	V1:Northbound	V1: Travelling straight ahead	Erratic or reckless
17	Route 16 at Vale Street	Revere Beach Parkway Rte Sr16 E / Vale Street	4186581	2016-04-26	8:40 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
18	Route 16 at Vale Street	Revere Beach Parkway Rte Sr16 E / Vale Street	4219999	2016-06-23	1:10 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
19	Route 16 at Vale Street	Revere Beach Parkway Rte Sr16 W / Vale Street	4234475	2016-08-05	10:25 AM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	No improper action
20	Route 16 at Vale Street	Revere Beach Parkway Rte Sr16 W / Vale Street	4250273	2016-09-13	4:15 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Westbound / V3:Southbound / V4:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Parked / V4:Parked	No improper action
22	Route 16 at Vale Street	Wendys	4255509	2016-09-24	1:20 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	No improper action
23	Route 16 at Vale Street	Revere Beach Parkway Rte Sr16 W / Vale Street	4311755	2016-12-30	6:00 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Eastbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning left	No improper action
24	Route 16 btwn Vale and Boston	Wendy's	2873743	2012-01-14	11:35 PM	Single vehicle crash	Non-fatal injury		Snow/Ice	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound	V1: Travelling straight ahead	Failure to keep in proper lane
25	Route 16 btwn Vale and Boston	Wendys	4058992	2015-06-10	6:00 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
26	Route 16 btwn Vale and Boston	@ Wendy'S	4059002	2015-06-14	3:10 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Not reported	Erratic or reckless

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
27	Route 16 btwn Vale and Boston	Revere Beach Parkway Rte 16 E / Vale Street	4108204	2015-11-04	6:45 AM	Sideswipe, same direction	Property damage only		Dry	Dawn	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Other improper action
28	Route 16 at Boston Street	Rte 16 E / Boston Street	3430447	2013-05-11	4:19 PM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
29	Route 16 at Boston Street	Revere Beach Parkway Rte 16 E / Boston Street	3537382	2013-05-21	12:10 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
30	Route 16 at Boston Street	Rte 16 E / Boston Street	3797319	2014-04-14	6:50 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
31	Route 16 at Boston Street	Autozone	3827998	2014-06-06	9:31 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Other improper action
32	Route 16 at Boston Street	Taco Bell	3878638	2014-07-13	8:22 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
33	Route 16 at Boston Street	Revere Beach Parkway Rte 16 / Everett Avenue	4002197	2015-01-20	1:33 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Westbound / V2:Westbound	V1: Turning left / V2:Turning left	Made improper turn
34	Route 16 at Boston Street	Revere Beach Parkway Rte Sr16 W / Boston Street	4059075	2015-07-02	4:30 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Failure to keep in proper lane
35	Route 16 at Boston Street	Revere Beach Parkway / Boston Street	4118840	2015-11-17	10:55 AM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Made improper turn
36	Route 16 at Boston Street	1690 Revere Beach Parkway Rte 16 E	4175604	2016-01-20	7:55 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Overtaking/passing	
37	Route 16 at Boston Street	Taco Bell	4169111	2016-03-07	6:10 PM	Rear-end	Property damage only		Dry	Dusk	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
38	Route 16 btwn Boston and Everett	Taco Bell	3384421	2013-01-16	1:28 PM	Single vehicle crash	Property damage only		Wet	Daylight	Clear	Off-peak	V1:Westbound	V1: Travelling straight ahead	Physical impairment
39	Route 16 btwn Boston and Everett	Sunoco Gas	3507331	2013-06-30	9:30 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Dark - roadway not	Cloudy	Off-peak	V1:Westbound	V1: Travelling straight ahead	No improper action
40	Route 16 btwn Boston and Everett	1683 Revere Beach Parkway	4056383	2015-01-09	6:46 PM	Single vehicle crash	Non-fatal injury		Wet	Dark - lighted roadway	Clear	Peak	V1:Not reported	V1: Turning right	
41	Route 16 btwn Boston and Everett	Taco Bell	4059037	2015-06-25	1:45 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Westbound / V2:Westbound	V1: Turning right / V2:Travelling straight ahead	Made improper turn
42	Route 16 btwn Boston and Everett	Revere Beach Parkway / Boston Street	4190613	2016-05-06	11:10 AM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound	V1: Backing	Visibility obstructed



NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix

SYMBOLS		TYPES OF CRASH		SEVERITY	
Moving Vehicle Backing Vehicle Non-Involved Vehicle Pedestrian	Parked Vehicle Fixed Object Bicycle Animal	Head On Angle Rear End	Sideswipe Out of Control	Injury Accident	Fatal Accident

Figure 7
Collision Diagram: 2012-16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	2915545	2012-02-15	8:25 AM	Rear-end	Non-fatal injury		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Not reported / V3:Not reported / V4:Not reported	V1: Slowing or stopped in traffic / V2:Not reported / V3:Not reported / V4:Not reported	No improper action
2	Route 16 at Everett Avenue	@ Stop And Shop	2929078	2012-02-20	12:03 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Changing lanes	No improper action
3	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 / Everett Avenue	3168834	2012-03-04	9:40 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
4	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3168189	2012-03-05	7:35 AM	Angle	Property damage only		Dry	Daylight	Unknown	Peak	V1:Westbound / V2:Southbound	V1: Entering traffic lane / V2:Travelling straight ahead	Disregarding traffic signs
5	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3001193	2012-03-12	6:02 AM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
6	Route 16 at Everett Avenue	1691 Revere Beach Parkway Rte 16 E	3376013	2012-03-19	2:45 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
7	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3082034	2012-05-11	9:40 PM	Angle	Not Reported		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Turning left / V2:Travelling straight ahead	
8	Route 16 at Everett Avenue	Revere Beach Parkway / Everett Avenue	3107244	2012-05-17	7:40 AM	Rear-end	Not Reported		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	
9	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3201831	2012-07-22	1:01 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
10	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3221918	2012-07-25	9:54 AM	Rear-end	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Southbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
11	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3242487	2012-08-16	12:00 AM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	No improper action
12	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3376938	2012-08-23	12:00 AM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Eastbound / V3:Westbound / V4:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead / V4:Travelling straight ahead	Disregarding traffic signs
13	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3248876	2012-08-25	1:55 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
14	Route 16 at Everett Avenue	Revere Beach Parkway / Everett Avenue	3280528	2012-10-10	11:55 AM	Rear-end	Non-fatal injury		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
15	Route 16 at Everett Avenue	By Everett Ave. Kfc	3376767	2012-11-05	8:33 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
16	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3293345	2012-11-14	5:20 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Failure to keep in proper lane
17	Route 16 at Everett Avenue	0 Feet W From Intersection Revere Beach Parkway Rte 16 E	3364945	2013-03-06	3:20 AM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
18	Route 16 at Everett Avenue	Rte 16 E / Everett Avenue	3366659	2013-03-11	9:05 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	Made improper turn
19	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3404804	2013-05-03	11:00 AM	Single vehicle crash	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Southbound	V1: Turning right	Other improper action
20	Route 16 at Everett Avenue	Everett Avenue / Revere Beach Parkway	3427895	2013-05-19	9:35 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Northbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
21	Route 16 at Everett Avenue	Gas Station	3446044	2013-05-31	4:00 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Southbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
22	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3471550	2013-06-13	8:15 PM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Turning left	Disregarding traffic signs
23	Route 16 at Everett Avenue	Stop And Shop	3510447	2013-06-17	9:00 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Not reported / V2:Not reported	V1: Turning right / V2:Not reported	
24	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 / Everett Avenue	3491568	2013-06-18	12:30 PM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound	V1: Turning right	No improper action
25	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3561779	2013-08-02	5:54 AM	Head-on	Non-fatal injury		Dry	Daylight	Unknown	Off-peak	V1:Eastbound / V2:Southbound	V1: Turning left / V2:Travelling straight ahead	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3588329	2013-09-14	12:00 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
27	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3603380	2013-09-26	7:15 AM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Turning right	No improper action
28	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3623521	2013-10-27	5:25 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
29	Route 16 at Everett Avenue	Everett Avenue / Revere Beach Parkway Rte 16 W	3645890	2013-11-03	5:10 PM	Rear-end	Property damage only		Dry	Dark - unknown	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
30	Route 16 at Everett Avenue	Everett Avenue / Revere Beach Parkway	3657605	2013-11-08	7:00 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Northbound / V2:Southbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
31	Route 16 at Everett Avenue	Everett Avenue / Revere Beach Parkway Rte 16 S	3725546	2013-11-18	4:30 PM	Sideswipe, opposite	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Northbound	V1: Turning left / V2:Travelling straight ahead	
32	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3743811	2014-02-16	8:25 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Entering traffic lane	No improper action
33	Route 16 at Everett Avenue	Everett Ave	3774033	2014-03-08	1:01 AM	Head-on	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	No improper action
34	Route 16 at Everett Avenue	Everett Ave	3772285	2014-03-15	1:15 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
36	Route 16 at Everett Avenue	Kentucky Fried Chicken	3842102	2014-06-12	7:00 AM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Slowing or stopped in traffic	Other improper action
37	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3869401	2014-06-28	10:20 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
38	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	3887360	2014-07-21	7:12 AM	Single vehicle crash	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Travelling straight ahead	Illness
39	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 / Everett Avenue	3905101	2014-08-10	12:00 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Turning left	No improper action
40	Route 16 at Everett Avenue	Everett Ave	3959849	2014-08-15	10:05 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Turning right	Follow too closely
41	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 / Everett Avenue	3924082	2014-08-29	6:47 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
42	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	3924501	2014-08-30	11:49 AM	Angle	Non-fatal injury	ped	Dry	Daylight	Clear	Off-peak	V1:Eastbound	V1: Turning left	Other improper action
43	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	3962119	2014-09-27	4:00 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Parked / V2:Slowing or stopped in traffic	No improper action
44	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	3963060	2014-10-01	6:44 AM	Sideswipe, opposite	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Making U-turn	No improper action
45	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	3971081	2014-10-24	8:35 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
46	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3976523	2014-11-19	9:15 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Turning right / V2:Turning right	No improper action
47	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 E / Everett Avenue	3976525	2014-11-20	12:10 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Daylight	Unknown	Off-peak	V1:Eastbound	V1: Travelling straight ahead	
48	Route 16 at Everett Avenue	@ Everett Ave	3985372	2014-11-27	9:50 AM	rear-end	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Operating defective
49	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3981847	2014-12-01	6:15 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
50	Route 16 at Everett Avenue	Stop And Shop	3989532	2014-12-01	7:00 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Failure to keep in proper lane
51	Route 16 at Everett Avenue	Revere Beach Parkway Rte Unknow / Everett Avenue	3990203	2014-12-10	9:35 AM	Single vehicle crash	Non-fatal injury	ped	Dry	Daylight	Cloudy	Peak	V1:Westbound	V1: Turning left	

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
52	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	3994274	2015-01-08	5:50 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound / V4:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead / V3:Travelling straight ahead /	Other improper action
53	Route 16 at Everett Avenue	Everett Avenue / Revere Beach Parkway	4011289	2015-02-08	9:43 AM	Rear-end	Property damage only		Snow/Ice	Daylight	Snow	Peak	V1:Not reported / V2:Not reported	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	
54	Route 16 at Everett Avenue	Everett Avenue / Revere Beach Parkway Rte Sr16 E	4022252	2015-03-16	9:00 AM	Single vehicle crash	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Eastbound	V1: Turning left / V2:Parked	Erratic or reckless
55	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4034220	2015-04-13	11:35 AM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
56	Route 16 at Everett Avenue	Rte 16 E / Everett Avenue	4036118	2015-04-18	5:35 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Changing lanes	No improper action
57	Route 16 at Everett Avenue	Rte 16 W / Everett Avenue	4042828	2015-05-16	12:45 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	
58	Route 16 at Everett Avenue	Rte 16 E / Everett Avenue Rte 16	4061332	2015-06-12	6:25 PM	Rear-end	Non-fatal injury		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
59	Route 16 at Everett Avenue	Rte 16 E / Everett Avenue	4072084	2015-08-09	1:28 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
60	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4081551	2015-09-05	7:01 AM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Travelling straight ahead	
61	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	4084917	2015-09-10	6:35 PM	Rear-end	Non-fatal injury		Wet	Dusk	Rain	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
62	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4095532	2015-10-01	12:01 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Turning left	Erratic or reckless
63	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4093961	2015-10-05	11:55 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
64	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4107337	2015-11-03	2:30 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	No improper action
65	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4118708	2015-12-03	2:13 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
66	Route 16 at Everett Avenue	Rte 16 / Everett Avenue	4123190	2015-12-14	5:15 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	No improper action
67	Route 16 at Everett Avenue	Rte 16 W / Everett Avenue	4136162	2016-01-06	9:20 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
68	Route 16 at Everett Avenue	Rte 16 E / Everett Avenue	4155140	2016-02-18	7:32 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
69	Route 16 at Everett Avenue	Rte 16 W / Everett Avenue	4164389	2016-03-08	9:15 AM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Turning left	Made improper turn
70	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	4171486	2016-03-27	5:30 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Inattention
71	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4177185	2016-04-13	7:08 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
72	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4191770	2016-04-28	1:11 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
73	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4201663	2016-05-23	8:23 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
74	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4218801	2016-06-11	5:27 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
75	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4218807	2016-06-14	9:45 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Southbound / V3:Northbound	V1: Turning left / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	No improper action
76	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4219861	2016-07-02	1:37 AM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
77	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4225112	2016-07-24	1:35 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
78	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4230168	2016-08-10	3:20 PM	Angle	Non-fatal injury		Dry	Daylight	Cloudy	Peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
79	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4240908	2016-08-22	3:10 PM	Single vehicle crash	Non-fatal injury	cyc	Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Travelling straight ahead	Disregarding traffic signs
80	Route 16 at Everett Avenue	Revere Beach Parkway Rte 16 W / Everett Avenue	4267006	2016-09-25	12:01 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	
81	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4253505	2016-09-25	7:25 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Turning left / V2:Turning left	Made improper turn
82	Route 16 at Everett Avenue	Rte 16 E / Rte Everet	4278590	2016-11-01	11:25 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Northbound / V3:Northbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Physical impairment
83	Route 16 at Everett Avenue	Revere Beach Parkway Rte Sr16 W / Everett Avenue	4290689	2016-11-28	3:25 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action



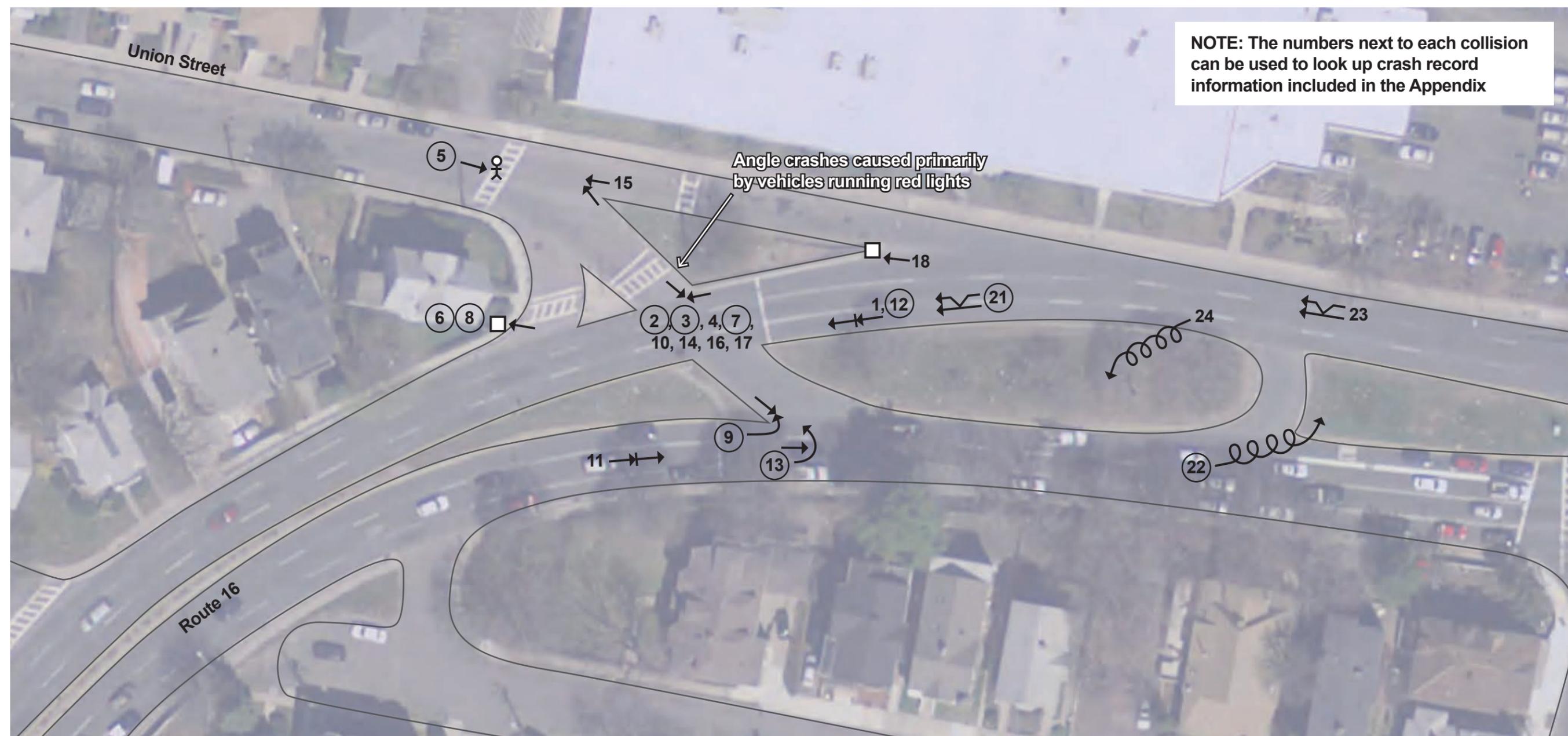
SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [Trapezoid] Parked Vehicle	↔↔↔ Head On	↔↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [Square] Fixed Object	→↔ Angle	→↔ Out of Control		
- - - Non-Involved Vehicle	→ [Bicycle] Bicycle	→↔ Rear End			
→ [Stick Figure] Pedestrian	→ [Animal] Animal				

Figure 8
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / Union Street	3168280	2012-03-04	4:50 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
2	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 W / Reynolds Avenue	3123337	2012-06-05	9:01 PM	Single vehicle crash	Not Reported		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound	V1: Travelling straight ahead	
3	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / Reynolds Avenue	3254379	2012-09-20	12:00 AM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Changing lanes	No improper action
4	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 W / Reynolds Avenue	3277672	2012-09-21	10:15 AM	Single vehicle crash	Non-fatal injury		Dry	Daylight	Unknown	Off-peak	V1:Westbound	V1: Overtaking/passing	Exceeding speed limit
5	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / County Road	3351877	2013-02-03	12:00 AM	Single vehicle crash	Not Reported		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Travelling straight ahead	Failure to keep in proper lane
6	Route 16 btwn Everett and Union	Prior To Everett Ave.	3384545	2013-02-04	12:30 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
7	Route 16 btwn Everett and Union	Prior To Washington Ave	3391822	2013-04-15	1:51 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Backing	Wrong side or wrong way
8	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / Evelyn Road	3594400	2013-09-21	10:35 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
9	Route 16 btwn Everett and Union	Revere Beach Parkway Rte Unknow W / 66	3645986	2013-11-03	2:25 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Travelling straight ahead	Physical impairment
10	Route 16 btwn Everett and Union	County Rd / Revere Beach Pkwy	3705514	2013-12-02	2:48 PM	Head-on	Non-fatal injury	cyc	Dry	Daylight	Cloudy	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
11	Route 16 btwn Everett and Union	0 Feet E From Intersection Revere Beach Parkway Rte 16	3715391	2014-01-11	11:25 PM	Head-on	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
12	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / Everett Avenue	3721205	2014-01-21	7:15 PM	Rear-end	Property damage only		Snow/Ice	Dark - unknown	Snow	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
13	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 / Everett Avenue	3968120	2014-03-31	12:00 AM	Single vehicle crash	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound	V1: Travelling straight ahead	Erratic or reckless
14	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / Reynolds Avenue	3959850	2014-08-20	12:00 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Northbound	V1: Travelling straight ahead	Exceeding speed limit
15	Route 16 btwn Everett and Union	Everett Ave	3977404	2014-11-13	10:30 PM	Single vehicle crash	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound	V1: Travelling straight ahead	No improper action
16	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / County Road	3990175	2015-01-01	5:42 AM	Head-on	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Wrong side or wrong way
17	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / Orange Street	3999822	2015-01-17	12:15 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	Fail to yield right of way
18	Route 16 btwn Everett and Union	Revere Beach Parkway Rte Unknow W / Reynolds Avenue	4021966	2015-02-22	7:30 AM	Single vehicle crash	Non-fatal injury		Snow/Ice	Daylight	Snow	Peak	V1:Westbound	V1: Travelling straight ahead	Driving too fast for conditions
19	Route 16 btwn Everett and Union	Reynolds Ave	4029146	2015-03-28	2:30 AM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound	V1: Travelling straight ahead	Erratic or reckless
20	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 W / County Road	4031961	2015-04-04	2:50 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
21	Route 16 btwn Everett and Union	Revere Beach Parkway Rte Sr16 E / Everett Avenue	4082252	2015-06-30	12:29 AM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Exceeding speed limit
22	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 W / County Road	4104145	2015-10-28	8:15 PM	Head-on	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	Erratic or reckless
23	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 W / County Road	4111344	2015-11-11	2:45 PM	Angle	Property damage only		Wet	Daylight	Cloudy	Off-peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Other improper action
24	Route 16 btwn Everett and Union	Revere Beach Parkway Rte 16 E / Everett Avenue	4127772	2015-12-21	11:08 PM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
25	Route 16 btwn Everett and Union	Rte 16 W / County Road	4252088	2016-09-23	9:39 PM	Sideswipe, same direction	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Not reported	V1: Turning right / V2:Not reported	Made improper turn

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 btwn Everett and Union	Everett Ave	4311650	2016-11-29	4:10 PM	Sideswipe, same direction	Property damage only		Wet	Dusk	Rain	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Failure to keep in proper lane



NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix

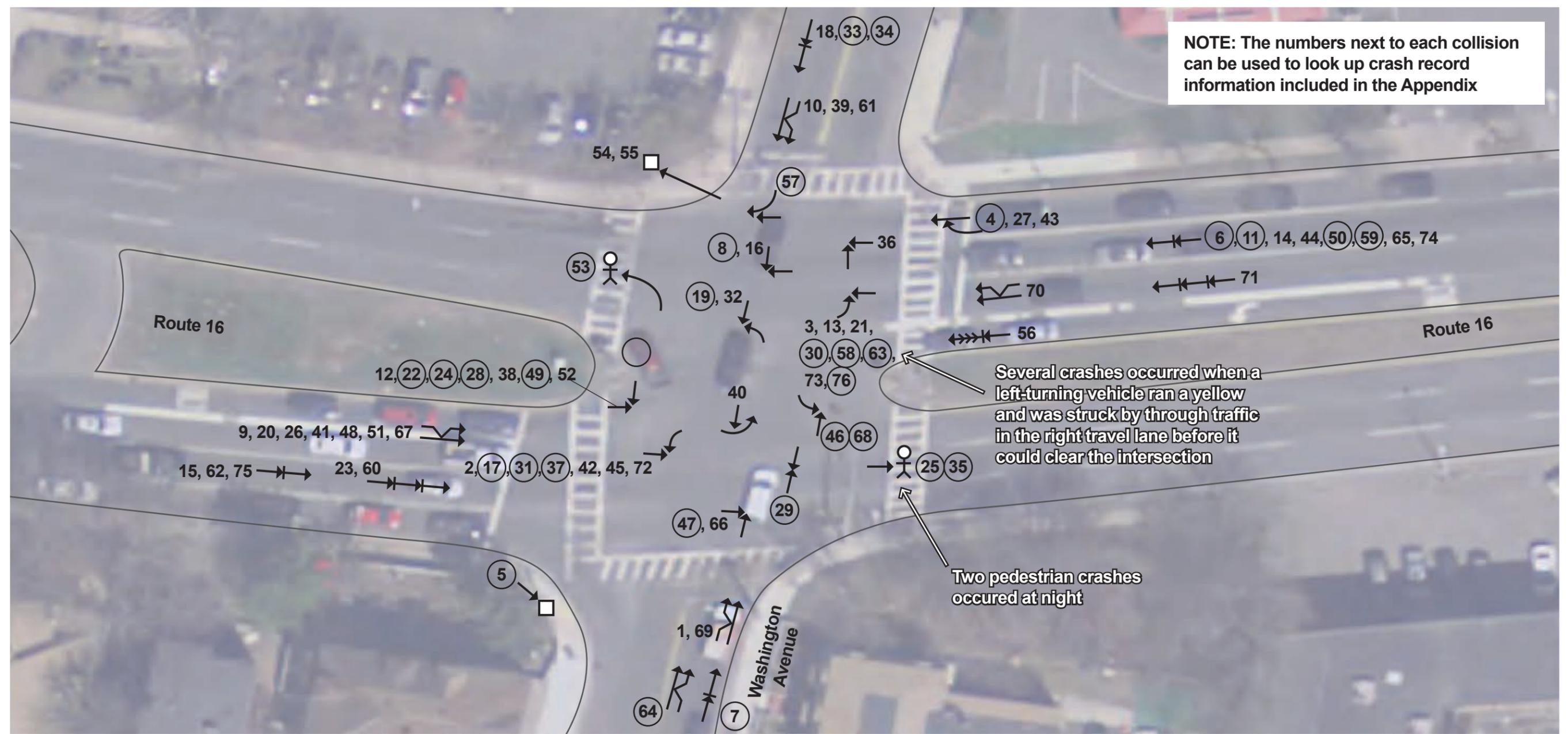
Angle crashes caused primarily by vehicles running red lights

SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [trapezoid] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [square] Fixed Object	→↙ Angle	→ [wavy] Out of Control		
- - - Non-Involved Vehicle	→ [bicycle] Bicycle	→↘ Rear End			
→ [stick figure] Pedestrian	→ [animal] Animal				

Figure 9
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at Union Street	Revere Beach Parkway Rte 16 W / Union Street	3163043	2012-02-04	11:50 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
2	Route 16 at Union Street	Revere Beach Parkway Rte 16 / Union Street	3150532	2012-03-06	8:50 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
3	Route 16 at Union Street	Revere Beach Parkway Rte 16 W / Union Street	3068775	2012-05-01	1:45 PM	Angle	Not Reported		Wet	Daylight	Rain	Off-peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
4	Route 16 at Union Street	Mcdonald&Apos;S	3379069	2012-07-18	11:05 AM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
5	Route 16 at Union Street	Revere Beach Pkwy / Union St	3523033	2013-06-18	3:03 PM	Single vehicle crash	Non-fatal injury	ped	Wet	Daylight	Rain	Peak	V1:Southbound	V1: Travelling straight ahead	No improper action
6	Route 16 at Union Street	Union Street	3527734	2013-07-01	12:00 AM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Turning left	Failure to keep in proper lane
7	Route 16 at Union Street	Revere Beach Parkway Rte 16 W / Union Street	3699060	2013-12-20	10:00 AM	Angle	Non-fatal injury		Wet	Daylight	Clear	Peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
8	Route 16 at Union Street	Revere Beach Parkway Rte 16 W / Union Street	3735579	2014-02-05	8:30 AM	Single vehicle crash	Non-fatal injury		Snow/Ice	Daylight	Snow	Peak	V1:Westbound	V1: Travelling straight ahead	
9	Route 16 at Union Street	Revere Beach Parkway Rte 16 W / Union Street	3793478	2014-04-17	10:01 AM	Head-on	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	No improper action
10	Route 16 at Union Street	Revere Beach Parkway Rte Unknow / Union Street	3800672	2014-05-08	7:50 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
11	Route 16 at Union Street	Revere Beach Parkway Rte Sr16 E / Union Street	3971128	2014-10-14	1:45 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
12	Route 16 at Union Street	Revere Beach Parkway Rte 16 W / Union Street	3982616	2014-11-19	3:09 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
13	Route 16 at Union Street	Revere Beach Parkway Rte Sr16 E / Union Street	4069849	2015-07-29	12:40 PM	Angle	Non-fatal injury		Dry	Daylight	Unknown	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Making U-turn	No improper action
14	Route 16 at Union Street	Revere Beach Parkway Rte Unknow W / Union Street	4071840	2015-08-07	6:57 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
15	Route 16 at Union Street	Union Street / Revere Beach Parkway	4077568	2015-08-12	9:45 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Leaving traffic lane	No improper action
16	Route 16 at Union Street	Revere Beach Parkway Rte Sr16 W / Union Street	4097225	2015-10-12	11:40 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
17	Route 16 at Union Street	Revere Beach Parkway Rte Sr16 W / Union Street	4120774	2015-12-06	9:35 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
18	Route 16 at Union Street	Union Street / Revere Beach Parkway Rte 16 W	4125960	2015-12-21	6:30 PM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound	V1: Leaving traffic lane	Failure to keep in proper lane
19	Route 16 at Union Street	Union St.	4181018	2016-04-24	7:30 PM	Angle	Non-fatal injury		Dry	Dusk	Clear	Off-peak	V1:Eastbound / V2:Not reported	V1: Travelling straight ahead / V2:Not reported	Disregarding traffic signs
20	Route 16 at Union Street	Revere Beach Parkway Rte Sr16 W / Union Street	4218818	2016-06-15	11:04 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
21	Route 16 at Union Street	100 Feet E From Intersection Revere Beach Parkway Rte 16	4234487	2016-08-13	2:50 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
22	Route 16 btwn Union and Washington	Revere Beach Parkway Rte 16 W / Union Street	3400577	2013-04-26	3:15 PM	Single vehicle crash	Not Reported		Dry	Daylight	Clear	Peak	V1:Not reported	V1: Not reported	No improper action
23	Route 16 btwn Union and Washington	Revere Beach Parkway Rte 16 W / Union Street	4118718	2015-12-04	4:55 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
24	Route 16 btwn Union and Washington	Revere Beach Parkway Rte Sr16 E / Union Street	4259052	2016-10-02	3:55 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound	V1: Turning right	



NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix

Several crashes occurred when a left-turning vehicle ran a yellow and was struck by through traffic in the right travel lane before it could clear the intersection

Two pedestrian crashes occurred at night

SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [trapezoid] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [square] Fixed Object	↘↙ Angle	↻ Out of Control		
- - - Non-Involved Vehicle	→ [bicycle] Bicycle	→↘ Rear End			
→ [stick figure] Pedestrian	→ [animal] Animal				

Figure 10
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at Washington Avenue	Revere Beach Pkwy / Washington Ave	2897830	2012-02-02	10:20 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Made improper turn
2	Route 16 at Washington Avenue	Rte 16 E / Washington Avenue	2932107	2012-02-29	11:27 PM	Angle	Property damage only		Wet	Dark - roadway not	Rain	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	
3	Route 16 at Washington Avenue	Revere Beach Parkway / Washington Avenue	3001231	2012-03-09	11:00 AM	Angle	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Turning left	No improper action
4	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte 16 W	3168285	2012-03-20	2:30 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Turning right	No improper action
5	Route 16 at Washington Avenue	Mcdonalds	3175579	2012-03-25	5:12 AM	Single vehicle crash	Not Reported		Wet	Dusk	Cloudy	Off-peak	V1:Eastbound	V1: Travelling straight ahead	
6	Route 16 at Washington Avenue	Revere Beach Parkway / Washington Avenue	3106096	2012-05-17	10:55 AM	Rear-end	Not Reported		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	
7	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 / Washington Avenue	3122718	2012-06-06	12:19 PM	Rear-end	Not Reported		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Slowing or stopped in traffic / V2:Overtaking/passing	
8	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 / Washington Avenue	3157431	2012-06-26	8:45 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
9	Route 16 at Washington Avenue	@ Washington Ave	3168837	2012-06-30	5:40 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Unknown	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
10	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 / Washington Avenue	3246611	2012-08-18	8:58 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	
11	Route 16 at Washington Avenue	@ Metro Credit Union	3265316	2012-09-24	7:10 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
12	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 W / Washington Avenue	3275888	2012-10-06	10:30 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Southbound / V3:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	Inattention
13	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte 16 W	3376955	2012-10-28	7:17 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	No improper action
14	Route 16 at Washington Avenue	West Of Mcdonalds	3384537	2013-01-11	9:40 PM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
15	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 E / Washington Avenue	3349829	2013-01-23	2:00 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
16	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 / Washington Avenue Rte Washin	3362529	2013-02-23	6:55 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
17	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 E / Washington Avenue	3373843	2013-03-18	12:35 PM	Angle	Non-fatal injury		Dry	Daylight	Cloudy	Off-peak	V1:Not reported / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	No improper action
18	Route 16 at Washington Avenue	Washington Ave / Revere Beach Pkwy	3391136	2013-04-10	8:12 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
19	Route 16 at Washington Avenue	Revere Beach Parkway / Washington Avenue	3402829	2013-04-20	1:05 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Not reported	V1: Travelling straight ahead / V2:Not reported	No improper action
20	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 E / Washington Avenue	3419694	2013-05-01	2:50 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Changing lanes	
21	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16	3463709	2013-06-09	2:00 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Turning left	No improper action
22	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 E / Washington Avenue	3491637	2013-06-16	11:50 AM	Angle	Non-fatal injury		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Southbound / V3:Northbound / V4:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	No improper action
23	Route 16 at Washington Avenue	Revere Beach Parkway / Washington Avenue	3510974	2013-06-29	1:10 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
24	Route 16 at Washington Avenue	Revere Beach Parkway Rte Unknow / Washington Avenue	3584873	2013-09-04	12:40 PM	Angle	Non-fatal injury	ped	Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Eastbound / V3:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	Disregarding traffic signs
25	Route 16 at Washington Avenue	Webster Ave	3593988	2013-09-14	12:00 AM	Single vehicle crash	Non-fatal injury	ped	Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Not reported	

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at Washington Avenue	0 Feet W From Intersection Revere Beach Parkway Rte 16 E	3714614	2013-12-21	6:01 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
27	Route 16 at Washington Avenue	Rte 16 W / Washington Avenue	3736644	2014-01-18	3:10 PM	Sideswipe, same direction	Property damage only		Snow/Ice	Daylight	Snow	Peak	V1:Northbound / V2:Northbound	V1: Turning right / V2:Turning right	Made improper turn
28	Route 16 at Washington Avenue	Rte 16 E / Washington Avenue	3818303	2014-05-21	12:15 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
29	Route 16 at Washington Avenue	@ Washington Ave	3862002	2014-06-21	8:30 AM	Head-on	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Wrong side or wrong way
30	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 W / Washington Avenue	3880609	2014-06-28	5:30 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	No improper action
31	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	3933602	2014-08-28	12:12 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	
32	Route 16 at Washington Avenue	Revere Beach Pkwy	3964667	2014-10-01	9:40 PM	Angle	Property damage only		Wet	Daylight	Rain	Off-peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	Fail to yield right of way /
33	Route 16 at Washington Avenue	Revere Beach Pkwy	3969287	2014-10-30	8:25 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
34	Route 16 at Washington Avenue	Washington Ave / Revere Beach Parkway	3975739	2014-11-20	8:46 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Unknown
35	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 E / Washington Avenue	3985377	2014-12-03	10:51 PM	Single vehicle crash	Non-fatal injury	ped	Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
36	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4000886	2015-01-20	10:55 AM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
37	Route 16 at Washington Avenue	Rte 16 E / Washington Avenue	4006747	2015-01-26	12:10 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Southbound / V3:Northbound	V1: Travelling straight ahead / V2:Turning left / V3:Slowing or stopped in traffic	Fail to yield right of way
38	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4000889	2015-01-28	1:00 PM	Angle	Property damage only		Snow/Ice	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Other improper action
39	Route 16 at Washington Avenue	Washington Avenue / Rte 16 W	4012641	2015-02-23	1:26 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	Unknown
40	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4017910	2015-03-02	8:52 PM	Angle	Property damage only		Dry	Daylight	Unknown	Off-peak	V1:Northbound / V2:Southbound	V1: Turning left / V2:Travelling straight ahead	No improper action
41	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4022256	2015-03-05	1:40 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	Made improper turn
42	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4022263	2015-03-13	5:30 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	No improper action
43	Route 16 at Washington Avenue	Revere Beach Parkway Rte Unknow W / Washington Avenue	4035879	2015-04-21	11:20 AM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
44	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 W / Washington Avenue	4059090	2015-06-05	9:15 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Not reported	V1: Travelling straight ahead / V2:Not reported	Follow too closely
45	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4059118	2015-06-28	1:15 AM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	Disregarding traffic signs
46	Route 16 at Washington Avenue	Revere Beach Parkway Rte Sr16 W / Washington Avenue	4065295	2015-07-18	4:50 AM	Angle	Non-fatal injury		Wet	Dawn	Rain	Off-peak	V1:Southbound / V2:Northbound	V1: Turning left / V2:Travelling straight ahead	No improper action
47	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4068465	2015-07-19	8:45 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
48	Route 16 at Washington Avenue	Rte 16 E / Washington Avenue	4075707	2015-08-07	10:00 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Physical impairment
49	Route 16 at Washington Avenue	Washington Ave / Revere Beach Parkway	4096122	2015-10-07	8:14 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs /
50	Route 16 at Washington Avenue	Rte 16 W / Washington Avenue	4096336	2015-10-09	1:20 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
51	Route 16 at Washington Avenue	Rte 16 / Washington Avenue	4098651	2015-10-19	12:40 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
52	Route 16 at Washington Avenue	Revere Beach Parkway / Washington Avenue	4106529	2015-10-30	9:57 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
53	Route 16 at Washington Avenue	Revere Beach Parkway Rte Sr16 W / Washington Avenue	4129549	2015-12-07	1:53 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Daylight	Clear	Off-peak	V1:Westbound	V1: Turning left	No improper action
54	Route 16 at Washington Avenue	Rte 16 W / Washington Avenue	4129127	2015-12-26	6:15 PM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Cloudy	Peak	V1:Westbound	V1: Not reported	Failure to keep in proper lane
55	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4129584	2016-01-01	3:31 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Erratic or reckless
56	Route 16 at Washington Avenue	Rte 16 W / Washington Avenue	4144282	2016-01-31	7:15 PM	Rear-to-rear	Property damage only		Dry	Dark - unknown	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Backing / V2:Slowing or stopped in traffic	Other improper action
57	Route 16 at Washington Avenue	Mcdonalds	4149768	2016-02-13	7:20 PM	Sideswipe, same direction	Not Reported		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Turning right	No improper action
58	Route 16 at Washington Avenue	Revere Beach Parkway Rte Sr16 W / Washington Avenue	4153857	2016-02-13	11:40 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	No improper action
59	Route 16 at Washington Avenue	Revere Beach Parkway Rte 16 W / Washington Avenue	4152546	2016-02-19	7:05 AM	Rear-end	Non-fatal injury		Snow/Ice	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
60	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4175975	2016-04-07	1:50 PM	Rear-end	Property damage only		Wet	Daylight	Rain	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in traffic	Follow too closely
61	Route 16 at Washington Avenue	Revere Beach Pkwy / Washington Ave	4182027	2016-04-23	6:41 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Southbound / V2:Southbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Erratic or reckless
62	Route 16 at Washington Avenue	Rte 16 E / Washington Avenue	4194128	2016-05-20	11:05 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
63	Route 16 at Washington Avenue	Revere Beach Parkway Rte Sr16 E / Washington Avenue	4203384	2016-05-29	4:10 AM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Eastbound	V1: Travelling straight ahead / V2:Turning left	
64	Route 16 at Washington Avenue	Washington Ave / Revere Beach Pkwy	4201337	2016-06-01	3:51 PM	Sideswipe, same direction	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Northbound / V3:Northbound	V1: Leaving traffic lane / V2:Slowing or stopped in traffic / V3:Slowing or stopped in traffic	Inattention
65	Route 16 at Washington Avenue	Rte 16	4203804	2016-06-03	9:50 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
66	Route 16 at Washington Avenue	Rte 16 / County Road	4221392	2016-07-03	1:06 AM	Angle	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
67	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4227133	2016-07-28	5:45 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Other improper action
68	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4228987	2016-08-05	9:30 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
69	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4234486	2016-08-12	1:55 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Turning right / V2:Travelling straight ahead	Other improper action
70	Route 16 at Washington Avenue	Rte 16 W / Washington Avenue	4246392	2016-08-31	12:45 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Not reported	Inattention
71	Route 16 at Washington Avenue	Revere Beach Parkway Rte Sr16 W / Washington Avenue	4260337	2016-09-11	5:10 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	No improper action
72	Route 16 at Washington Avenue	Revere Beach Parkway Rte Sr16 E / Washington Avenue	4248596	2016-09-13	8:40 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	No improper action
73	Route 16 at Washington Avenue	Washington Avenue / Revere Beach Parkway Rte Sr16 E	4255511	2016-09-23	11:24 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Disregarding traffic signs
74	Route 16 at Washington Avenue	Mcdonalds	4260338	2016-10-02	4:50 AM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Not reported	No improper action
75	Route 16 at Washington Avenue	Revere Beach Parkway Rte Unknow E / Union Street	4277068	2016-10-30	2:36 PM	Rear-end	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
76	Route 16 at Washington Avenue	Rte 16 E / Washington Avenue	4272628	2016-10-30	10:05 PM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Westbound / V2:Eastbound	V1: Turning left / V2:Travelling straight ahead	



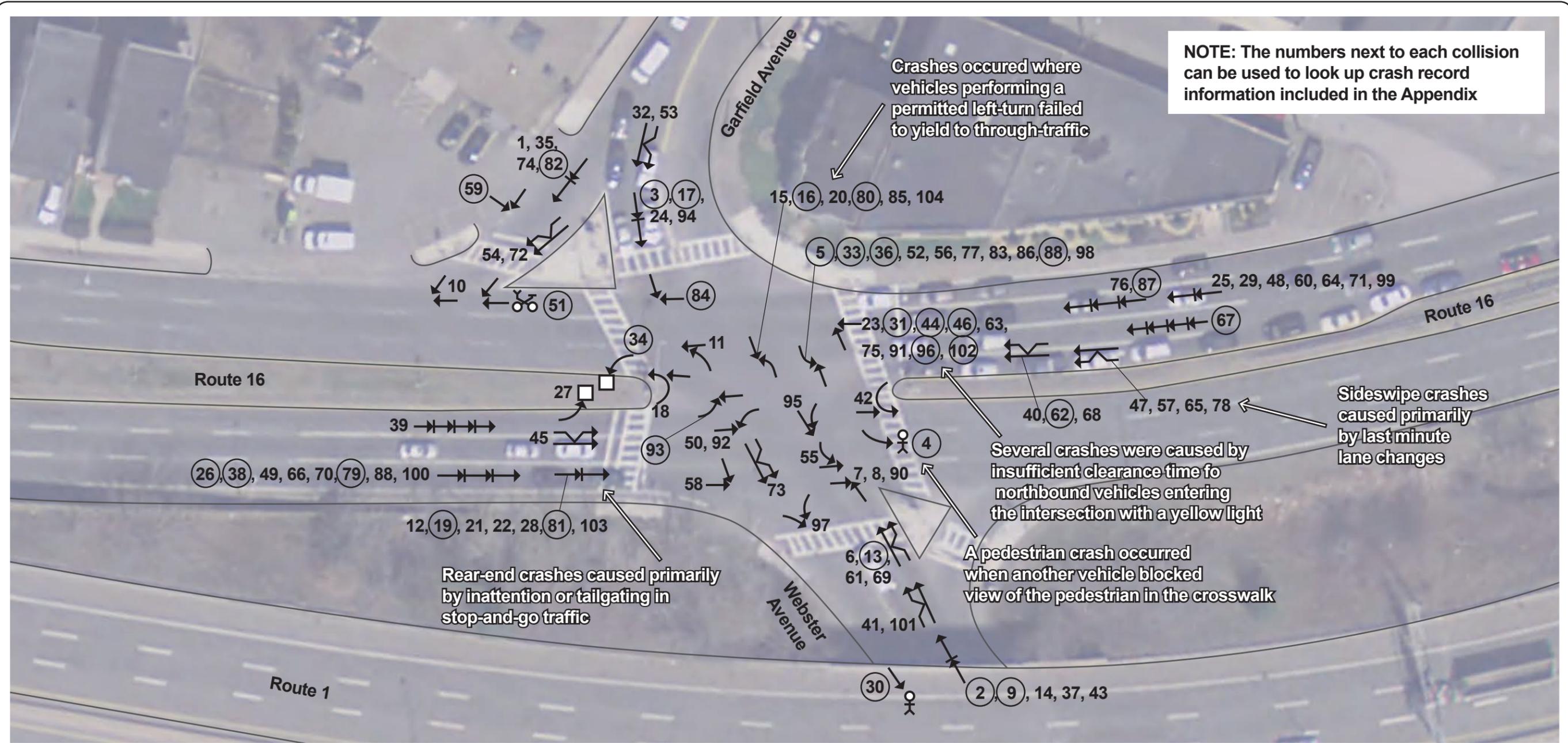
NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix

SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [Trapezoid] Parked Vehicle	↔↔ Head On	↔↔ Sideswipe	○ Injury Accident	○ Fatal Accident
↔ Backing Vehicle	→ [Square] Fixed Object	→↔ Angle	↪ Out of Control		
- - - Non-Involved Vehicle	→ [Bicycle] Bicycle	→↔ Rear End			
→ [Stick Figure] Pedestrian	→ [Animal] Animal				

Figure 11
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 btwn Washington and Garfield	Revere Beach Parkway Rte 16 W / Garfield Avenue	3158752	2012-01-04	5:17 PM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Unknown	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead / V3:Changing lanes	No improper action
2	Route 16 btwn Washington and Garfield	Nobrega'S	3168283	2012-03-17	12:50 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
3	Route 16 btwn Washington and Garfield	Revere Beach Pkwy / Murray St	3290229	2012-10-19	8:24 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound	V1: Slowing or stopped in traffic	No improper action
4	Route 16 btwn Washington and Garfield	Revere Beach Parkway Rte 16 W / Garfield Avenue	3491175	2013-06-24	4:05 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Other improper action
5	Route 16 btwn Washington and Garfield	Revere Beach Pkwy	3606751	2013-09-16	12:27 PM	Single vehicle crash	Property damage only	ped	Dry	Daylight	Clear	Off-peak	V1:Eastbound	V1: Turning right	Inattention
6	Route 16 btwn Washington and Garfield	Revere Beach Parkway Rte 16 E / Webster Avenue	3656080	2013-11-11	3:35 AM	Single vehicle crash	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
7	Route 16 btwn Washington and Garfield	Revere Beach Pkwy	3862545	2014-06-18	2:05 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	Unknown
8	Route 16 btwn Washington and Garfield	Revere Beach Parkway Rte 16 W / Ramp-Rt 1 Sb To Rt 16 Eb	3909413	2014-07-30	5:42 AM	Sideswipe, same direction	Property damage only		Dry	Dawn	Clear	Off-peak	V1:Westbound / V2:Not reported / V3:Westbound	V1: Changing lanes / V2:Not reported / V3:Travelling straight ahead	Made improper turn
9	Route 16 btwn Washington and Garfield	Webster Avenue / Revere Beach Parkway	3975741	2014-11-21	8:37 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Turning left / V2:Turning left	No improper action
10	Route 16 btwn Washington and Garfield	Area Of Murray St	4000887	2015-01-22	3:15 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
11	Route 16 btwn Washington and Garfield	@ Metro Credit Union	4011928	2015-02-11	1:46 PM	Angle	Property damage only		Wet	Daylight	Cloudy	Off-peak	V1:Southbound / V2:Westbound	V1: Entering traffic lane / V2:Travelling straight ahead	Fail to yield right of way
12	Route 16 btwn Washington and Garfield	Revere Beach Parkway Rte 16 E / Webster Avenue	4033432	2015-04-14	12:20 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Distracted
13	Route 16 btwn Washington and Garfield	Revere Beach Parkway Rte 16 W / Ramp-Rt 16 Wb To Rt 1 Sb	4068469	2015-07-30	5:30 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Changing lanes	Other improper action
14	Route 16 btwn Washington and Garfield	Mcdonald'S	4086410	2015-09-16	12:22 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Daylight	Clear	Off-peak	V1:Westbound	V1: Travelling straight ahead	No improper action
15	Route 16 btwn Washington and Garfield	West Of Garfield Ave	4191123	2016-05-06	8:05 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Inattention
16	Route 16 btwn Washington and Garfield	200 Feet W From Intersection Revere Beach Parkway Rte 16	4222446	2016-07-21	8:20 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action



SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [Trapezoid] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [Square] Fixed Object	→↔ Angle	↪ Out of Control		
- - - Non-Involved Vehicle	→ [Bicycle] Bicycle	→↔ Rear End			
→ [Stick Figure] Pedestrian	→ [Animal] Animal				

Figure 12
Collision Diagram: 2012–16 Police Data



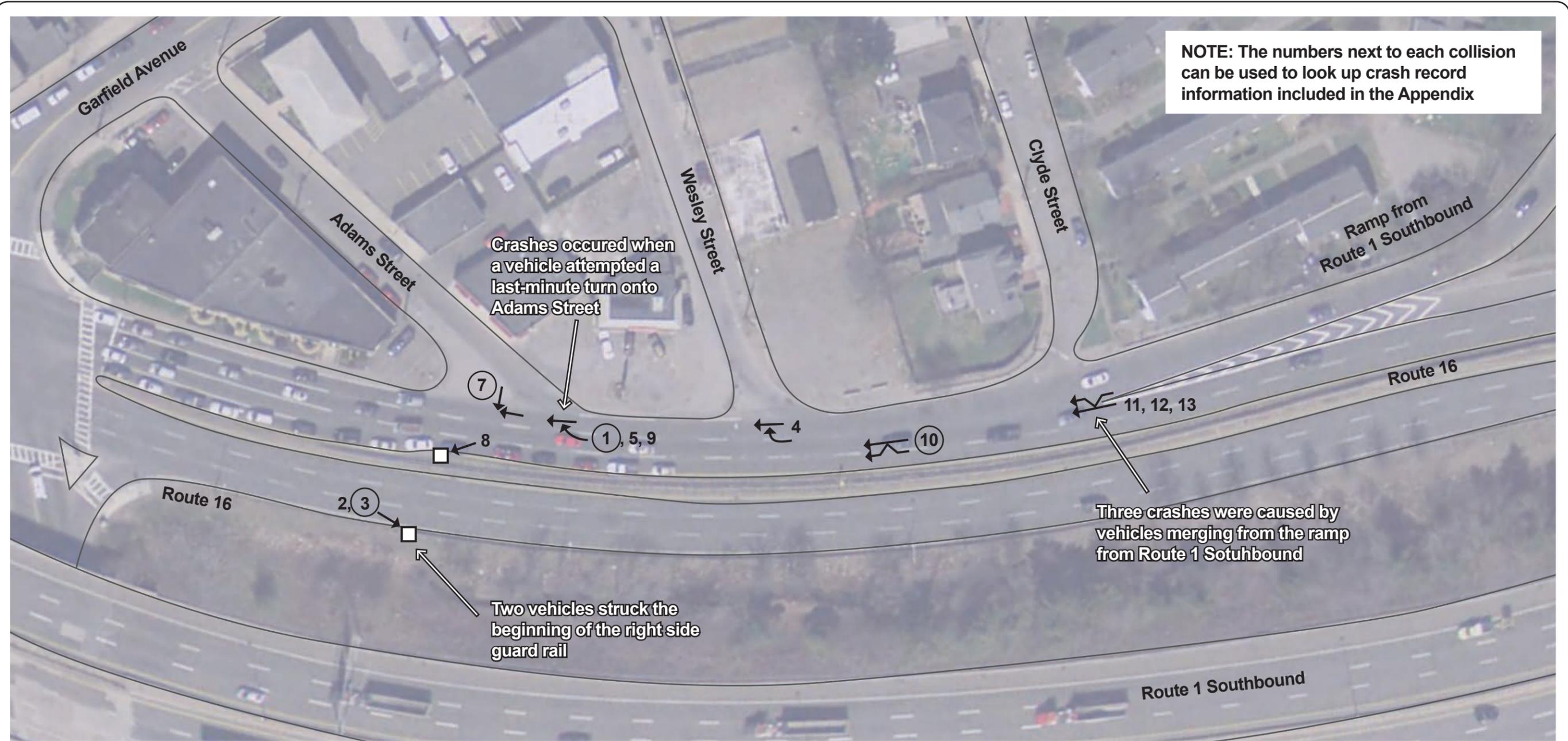
Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 at Garfield and Webster	Garfield Avenue / Revere Beach Parkway	3013796	2012-03-23	10:13 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
2	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3068774	2012-04-28	10:00 PM	Rear-end	Not Reported		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Northbound / V2:Northbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	
3	Route 16 at Garfield and Webster	Rte 16 W / Garfield Avenue	3122717	2012-05-30	6:50 AM	Rear-end	Not Reported		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	
4	Route 16 at Garfield and Webster	Revere Beach Parkway / Webster Avenue	3121044	2012-06-02	11:10 AM	Single vehicle crash	Non-fatal injury	ped	Wet	Daylight	Rain	Off-peak	V1:Eastbound	V1: Turning left	
5	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3117825	2012-06-03	12:00 AM	Angle	Not Reported		Wet	Dark - lighted roadway	Unknown	Off-peak	V1:Southbound / V2:Westbound / V3:Northbound	V1: Turning left / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	
6	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Pkwy	3155137	2012-06-11	11:30 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Travelling straight ahead	No improper action
7	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 E / Webster Avenue	3153953	2012-06-23	4:00 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Northbound / V3:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Slowing or stopped in traffic	Disregarding traffic signs
8	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 E / Webster Avenue	3376914	2012-06-29	3:30 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
9	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Pkwy	3249748	2012-09-02	10:55 AM	Rear-end	Non-fatal injury		Dry	Daylight	Cloudy	Off-peak	V1:Northbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
10	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Pkwy	3254334	2012-09-09	3:53 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Northbound	V1: Slowing or stopped in traffic	No improper action
11	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3264698	2012-09-23	1:40 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Westbound	V1: Entering traffic lane / V2:Travelling straight ahead	Fail to yield right of way
12	Route 16 at Garfield and Webster	0 Feet E From Intersection Revere Beach Parkway /	3270139	2012-09-28	9:30 AM	Rear-end	Property damage only		Wet	Daylight	Rain	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	Operating defective
13	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Pkwy	3264654	2012-09-30	10:06 AM	Sideswipe, same direction	Non-fatal injury		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Overtaking/passing / V2:Entering traffic lane	No improper action
14	Route 16 at Garfield and Webster	Garfield Ave / Revere Beach Pkwy	3277637	2012-10-13	1:19 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Erratic or reckless
15	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 / Garfield Avenue	3301802	2012-12-04	12:20 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Northbound / V2:Southbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
16	Route 16 at Garfield and Webster	Rte 16 E / Webster Avenue	3336939	2012-12-25	2:20 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	No improper action
17	Route 16 at Garfield and Webster	Garfield Ave / Revere Beach Pkwy	3367891	2013-03-10	1:46 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Unknown
18	Route 16 at Garfield and Webster	Rte 16 W / Webster Avenue	3399789	2013-04-22	8:55 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Turning left / V2:Making U-turn	Disregarding traffic signs
19	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 E / Webster Avenue	3396795	2013-04-22	9:19 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
20	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3414251	2013-04-23	9:40 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Southbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
21	Route 16 at Garfield and Webster	Revere Beach Parkway / Webster Avenue	3414259	2013-05-11	1:48 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Physical impairment
22	Route 16 at Garfield and Webster	Webster Avenue / Revere Beach Parkway Rte 16 E	3427903	2013-05-18	9:10 PM	Rear-end	Property damage only		Dry	Dark - roadway not	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Turning right / V2:Travelling straight ahead	No improper action
23	Route 16 at Garfield and Webster	Garfield Avenue / Revere Beach Parkway Rte 16 W / Webster	3475729	2013-06-14	4:30 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
24	Route 16 at Garfield and Webster	Garfield Ave / Revere Beach Pkwy	3549569	2013-07-26	5:34 PM	Rear-end	Property damage only		Wet	Daylight	Rain	Peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
25	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 / Webster Avenue	3557013	2013-08-10	8:00 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Operating defective

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
26	Route 16 at Garfield and Webster	0 Feet W From Intersection Revere Beach Parkway Rte 16 E	3588787	2013-09-13	5:05 PM	Rear-end	Non-fatal injury		Wet	Daylight	Rain	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Distracted
27	Route 16 at Garfield and Webster	Webster Ave	3590565	2013-09-14	3:10 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	Fail to yield right of way
28	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Pkwy	3606763	2013-09-29	5:46 PM	Rear-end	Property damage only		Dry	Dusk	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
29	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3629112	2013-10-29	6:02 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Inattention
30	Route 16 at Garfield and Webster	Webster Avenue / Revere Beach Parkway Rte 16 E	3705507	2013-11-27	6:14 PM	Head-on	Non-fatal injury	ped	Wet	Dark - lighted roadway	Rain	Peak	V1:Southbound	V1: Travelling straight ahead	No improper action
31	Route 16 at Garfield and Webster	Webster Avenue / Revere Beach Parkway Rte 16 W / Garfield	3671833	2013-11-28	7:36 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
32	Route 16 at Garfield and Webster	Webster Avenue / Rte 16	3706039	2013-12-18	12:23 PM	Sideswipe, same direction	Property damage only		Snow/Ice	Daylight	Snow	Off-peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
33	Route 16 at Garfield and Webster	Webster Ave/ Garfield Ave	3708653	2013-12-23	4:10 PM	Head-on	Non-fatal injury	ped	Wet	Dark - lighted roadway	Rain	Peak	V1:Northbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	Disregarding traffic signs
34	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	3711098	2014-01-03	8:45 AM	Single vehicle crash	Non-fatal injury		Snow/Ice	Daylight	Snow	Peak	V1:Westbound	V1: Travelling straight ahead	Driving too fast for conditions
35	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Garfield Avenue	3711881	2014-01-04	3:45 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Entering traffic lane / V2:Entering traffic lane	No improper action
36	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 E / Webster Avenue	3713799	2014-01-05	12:00 AM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Northbound / V2:Southbound	V1: Turning left / V2:Turning left	No improper action
37	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Parkway	3717615	2014-01-13	3:57 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Northbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
38	Route 16 at Garfield and Webster	Rte 16 E / Webster Avenue	3724036	2014-01-18	12:26 PM	Rear-end	Non-fatal injury		Wet	Daylight	Snow	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Follow too closely
39	Route 16 at Garfield and Webster	Prior To Webster Ave.	3730897	2014-01-29	10:30 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound / V4:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Inattention
40	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3743814	2014-02-20	6:18 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Turning left / V2:Turning left	Made improper turn
41	Route 16 at Garfield and Webster	Webster Avenue / Revere Beach Parkway	3741353	2014-02-25	12:46 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
42	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 E / Webster Avenue	3774432	2014-03-15	10:13 AM	Sideswipe, same direction	Property damage only		Wet	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Erratic or reckless
43	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Parkway	3782394	2014-03-23	3:22 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Northbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	Unknown
44	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3781153	2014-03-26	4:25 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound / V3:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	No improper action
45	Route 16 at Garfield and Webster	0 Feet E From Intersection Revere Beach Parkway Rte 16 E	3790118	2014-04-11	12:35 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
46	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 E / Webster Avenue	3793374	2014-04-12	8:05 AM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
47	Route 16 at Garfield and Webster	Rte 16 W / Garfield Avenue	3823237	2014-05-17	9:11 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
48	Route 16 at Garfield and Webster	@ Russo'S Tux	3868065	2014-06-21	10:35 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
49	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 / Webster Avenue	3868821	2014-06-29	10:50 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Erratic or reckless
50	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 / Webster Avenue	3871514	2014-07-05	12:00 AM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Eastbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
51	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Garfield Avenue	3889089	2014-07-16	3:10 PM	Sideswipe, same direction	Non-fatal injury	cyc	Wet	Daylight	Rain	Peak	V1:Westbound	V1: Entering traffic lane	Distracted
52	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 / Webster Avenue	3888346	2014-07-20	2:37 AM	Head-on	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
53	Route 16 at Garfield and Webster	Garfield Avenue / Revere Beach Parkway Rte 16 W	3901842	2014-07-28	1:33 PM	Sideswipe, same direction	Property damage only		Wet	Daylight	Clear	Off-peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
54	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Pkwy	3909839	2014-08-17	8:18 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Turning right / V2:Turning right	Unknown
55	Route 16 at Garfield and Webster	@ Russo Tux	3922547	2014-08-22	6:49 PM	Angle	Property damage only		Dry	Dusk	Clear	Peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	No improper action
56	Route 16 at Garfield and Webster	Garfield Avenue / Revere Beach Parkway Rte 16 W	3938956	2014-09-13	6:00 PM	Angle	Property damage only		Wet	Daylight	Rain	Peak	V1:Northbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	
57	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3959851	2014-09-16	9:45 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Turning right / V2:Travelling straight ahead	Failure to keep in proper lane
58	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3959416	2014-09-19	3:45 PM	Angle	Property damage only		Dry	Daylight	Unknown	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
59	Route 16 at Garfield and Webster	Garfield Ave / Revere Beach Parkway	3964669	2014-10-02	2:26 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Unknown
60	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Garfield Avenue	3972477	2014-10-14	8:05 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
61	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Garfield Avenue	3984773	2014-12-05	6:20 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Northbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Inattention
62	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3990076	2014-12-17	11:05 AM	Sideswipe, same direction	Non-fatal injury		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Erratic or reckless
63	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	3996328	2014-12-22	6:25 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
64	Route 16 at Garfield and Webster	@Webster/Garfield Ave	3999819	2015-01-07	8:55 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
65	Route 16 at Garfield and Webster	0 Feet E From Intersection Revere Beach Parkway Rte 16	3993970	2015-01-13	4:05 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Failure to keep in proper lane
66	Route 16 at Garfield and Webster	0 Feet W From Intersection Revere Beach Parkway Rte 16 E	4002302	2015-01-30	10:35 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	No improper action
67	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	4019881	2015-02-28	10:45 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound / V4:Westbound /	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	No improper action
68	Route 16 at Garfield and Webster	Rte 16 W / Webster Avenue	4023146	2015-03-14	11:55 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
69	Route 16 at Garfield and Webster	Webster Avenue / Garfield Avenue	4023925	2015-03-20	3:44 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Northbound	V1: Turning left / V2:Travelling straight ahead	Unknown
70	Route 16 at Garfield and Webster	Rte 16 E / Webster Avenue	4032131	2015-04-04	12:35 AM	Rear-end	Property damage only		Wet	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic / V3:Travelling straight ahead	No improper action
71	Route 16 at Garfield and Webster	By Russo Tux Shop	4031962	2015-04-05	4:41 PM	Rear-end	Property damage only		Dry	Daylight	Unknown	Peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	No improper action
72	Route 16 at Garfield and Webster	Revere Beach Pkwy	4031496	2015-04-06	7:28 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Southbound	V1: Turning right / V2:Turning right	No improper action
73	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4033433	2015-04-14	4:00 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Southbound	V1: Travelling straight ahead / V2:Changing lanes	No improper action
74	Route 16 at Garfield and Webster	Garfield Avenue Rte Unknow / Revere Beach Parkway	4038472	2015-04-30	12:20 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
75	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Unknow / Webster Avenue	4041349	2015-05-09	9:45 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
76	Route 16 at Garfield and Webster	Revere Beach Parkway Rte 16 W / Webster Avenue	4045001	2015-05-24	2:25 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Follow too closely
77	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Unknow / Webster Avenue	4059094	2015-06-09	11:05 AM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Turning left / V2:Turning left	
78	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	4087549	2015-06-20	7:00 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Changing lanes	No improper action
79	Route 16 at Garfield and Webster	Rte 16 E / Webster Avenue	4059279	2015-06-29	5:00 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Follow too closely
80	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	4063778	2015-07-11	3:24 AM	Head-on	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning left	Erratic or reckless
81	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4065293	2015-07-12	7:10 AM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
82	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Unknow / Garfield Avenue	4111347	2015-11-16	12:25 PM	Rear-end	Not Reported		Dry	Daylight	Clear	Off-peak	V1:Westbound	V1: Slowing or stopped in traffic	No improper action
83	Route 16 at Garfield and Webster	Rte 16 W / Webster Avenue	4125011	2015-12-10	6:51 AM	Head-on	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Southbound / V2:Northbound	V1: Turning left / V2:Turning left	No improper action
84	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	4125013	2015-12-12	2:30 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Disregarding traffic signs
85	Route 16 at Garfield and Webster	Garfield Ave/ Webster Ave	4125962	2015-12-24	7:20 PM	Head-on	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning left	Fail to yield right of way
86	Route 16 at Garfield and Webster	0 Feet W From Intersection Rte 16 E / Webster Avenue	4133886	2016-01-08	4:40 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
87	Route 16 at Garfield and Webster	Russo Tux	4136048	2016-01-14	5:30 PM	Rear-end	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Westbound / V3:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	Follow too closely
88	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4135553	2016-01-14	6:15 PM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead / V3:Travelling straight ahead	No improper action
89	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue / Garfield	4142800	2016-01-30	2:40 PM	Head-on	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Westbound	V1: Turning left / V2:Travelling straight ahead	Fail to yield right of way
90	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4153339	2016-02-06	4:07 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
91	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	4154717	2016-02-24	6:26 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Rain	Peak	V1:Northbound / V2:Northbound	V1: Turning right / V2:Travelling straight ahead	Fail to yield right of way
92	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4164178	2016-03-03	2:45 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	No improper action
93	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	4179412	2016-04-17	10:05 PM	Angle	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound / V2:Westbound / V3:Westbound	V1: Turning left / V2:Travelling straight ahead / V3:Travelling straight ahead	Disregarding traffic signs
94	Route 16 at Garfield and Webster	Adams St / Garfield Ave	4182030	2016-04-24	3:50 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Southbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	Follow too closely / No
95	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue	4185882	2016-05-03	5:45 PM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning left	
96	Route 16 at Garfield and Webster	Revere Beach Parkway / Webster Avenue	4223214	2016-07-25	3:10 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
97	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Parkway	4230043	2016-07-31	12:36 PM	Angle	Property damage only		Wet	Daylight	Rain	Off-peak	V1:Westbound / V2:Eastbound	V1: Turning left / V2:Turning right	Unknown
98	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4249473	2016-09-13	1:35 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Southbound	V1: Travelling straight ahead / V2:Turning left	No improper action
99	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4252280	2016-09-14	6:45 AM	Rear-end	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	No improper action
100	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	4267155	2016-10-15	12:25 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound / V3:Eastbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic / V3:Slowing or stopped in	Cellphone

Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
101	Route 16 at Garfield and Webster	Webster Ave / Revere Beach Pkwy	4278534	2016-10-27	7:21 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Northbound / V2:Northbound / V3:Northbound	V1: Overtaking/passing / V2:Travelling straight ahead / V3:Travelling straight ahead	Erratic or reckless
102	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 W / Webster Avenue / Garfield	4273975	2016-10-27	11:03 PM	Angle	Non-fatal injury		Wet	Dark - lighted roadway	Rain	Off-peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Fail to yield right of way
103	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4274844	2016-10-30	2:04 AM	Rear-end	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound / V2:Eastbound	V1: Slowing or stopped in traffic / V2:Travelling straight ahead	No improper action
104	Route 16 at Garfield and Webster	Revere Beach Parkway Rte Sr16 E / Webster Avenue	4277073	2016-11-06	4:09 PM	Head-on	Property damage only		Dry	Daylight	Clear	Peak	V1:Southbound / V2:Eastbound	V1: Travelling straight ahead / V2:Turning left	No improper action



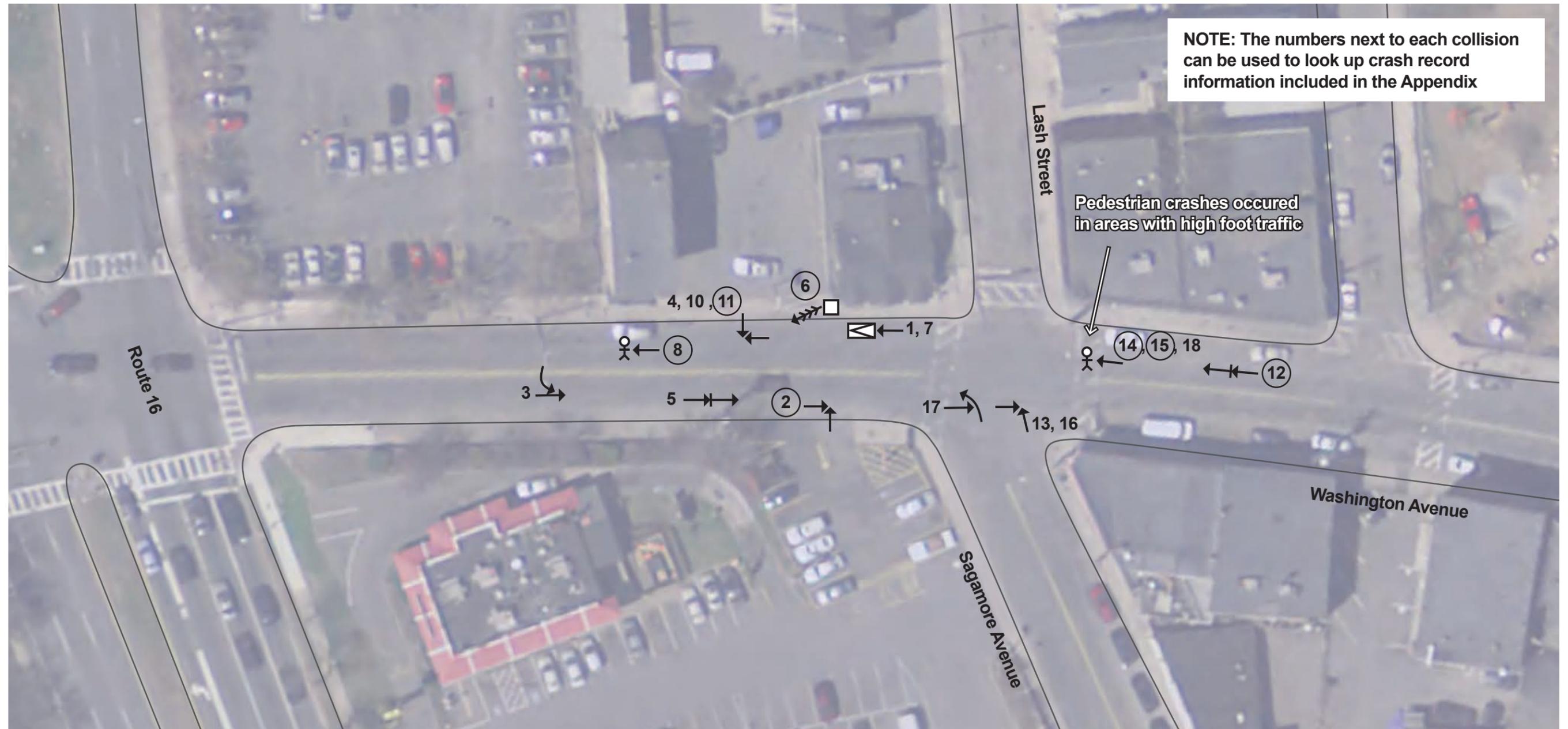
NOTE: The numbers next to each collision can be used to look up crash record information included in the Appendix

SYMBOLS		TYPES OF CRASH		SEVERITY	
<ul style="list-style-type: none"> → Moving Vehicle ←←← Backing Vehicle - - - Non-Involved Vehicle → 人 Pedestrian 	<ul style="list-style-type: none"> → [] Parked Vehicle → [] Fixed Object → [] Bicycle → [] Animal 	<ul style="list-style-type: none"> ↔↔ Head On →↘ Angle →↔ Rear End 	<ul style="list-style-type: none"> ↔↔ Sideswipe ↪ Out of Control 	<ul style="list-style-type: none"> ○ Injury Accident ○ Fatal Accident 	

Figure 13
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Route 16 btwn Garfield and Route 1	Russo Tux Shop	3168279	2012-03-03	7:30 PM	Sideswipe, same direction	Non-fatal injury		Dry	Dark - lighted roadway	Unknown	Off-peak	V1:Westbound / V2:Northbound	V1: Travelling straight ahead / V2:Turning right	No improper action
2	Route 16 btwn Garfield and Route 1	Revere Beach Parkway Rte 16 / Webster Avenue	3370829	2013-03-16	3:19 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
3	Route 16 btwn Garfield and Route 1	Revere Beach Parkway Rte 16 E / Webster Avenue	3702740	2013-12-20	7:55 AM	Single vehicle crash	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Eastbound	V1: Travelling straight ahead	
4	Route 16 btwn Garfield and Route 1	Revere Beach Parkway Rte 16 W / Wesley Street	3888231	2014-07-19	1:14 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Turning right / V2:Travelling straight ahead	Made improper turn
5	Route 16 btwn Garfield and Route 1	Revere Beach Parkway Rte 16 W / Adams Street	3962473	2014-10-04	8:45 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning right	No improper action
6	Route 16 btwn Garfield and Route 1	Revere Beach Parkway Rte 16 E / Webster Avenue	4033430	2015-04-10	12:30 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Eastbound / V2:Eastbound	V1: Changing lanes / V2:Travelling straight ahead	Failure to keep in proper lane
7	Route 16 btwn Garfield and Route 1	Revere Beach Parkway Rte Sr16 W / Adams Street	4070801	2015-07-17	3:30 PM	Angle	Non-fatal injury		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Entering traffic lane	
8	Route 16 btwn Garfield and Route 1	Rte 16 / Webster Avenue	4120138	2015-12-05	2:45 AM	Single vehicle crash	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound	V1: Travelling straight ahead	Erratic or reckless
9	Route 16 btwn Garfield and Route 1	Russo'S Tux	4185877	2016-04-26	11:55 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Changing lanes / V2:Travelling straight ahead	Inattention
10	Route 16 btwn Garfield and Route 1	100 Feet W From Intersection Revere Beach Parkway Rte 16	4292487	2016-11-19	2:55 AM	Sideswipe, same direction	Non-fatal injury		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Entering traffic lane / V2:Travelling straight ahead	Failure to keep in proper lane
11	Route 16 at Ramp From Route 1 SB	Revere Beach Parkway Rte 16 W	3453050	2013-05-31	4:15 PM	Sideswipe, same direction	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Not reported	V1: Changing lanes / V2:Not reported	Inattention
12	Route 16 at Ramp From Route 1 SB	Revere Beach Parkway Rte 16 W / Ramp-Rt 1 Sb To Rt 16 Wb	4111601	2015-11-17	6:10 PM	Sideswipe, same direction	Property damage only		Dry	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Travelling straight ahead	
13	Route 16 at Ramp From Route 1 SB	Revere Beach Parkway Rte 16 W / Clyde Street	4149276	2016-02-01	8:55 AM	Sideswipe, same direction	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Westbound	V1: Entering traffic lane / V2:Travelling straight ahead	Fail to yield right of way



SYMBOLS		TYPES OF CRASH		SEVERITY	
→ Moving Vehicle	→ [Parked Vehicle Symbol] Parked Vehicle	↔↔ Head On	↔ Sideswipe	○ Injury Accident	⊙ Fatal Accident
↔ Backing Vehicle	→ [Fixed Object Symbol] Fixed Object	↘↙ Angle	↻ Out of Control		
- - - Non-Involved Vehicle	→ [Bicycle Symbol] Bicycle	→↔ Rear End			
→ [Pedestrian Symbol] Pedestrian	→ [Animal Symbol] Animal				

Figure 14
Collision Diagram: 2012–16 Police Data



Index	Crash Location	Address	Crash Number	Crash Date	Crash Time	Manner of Collision	Crash Severity	Cyclist or Ped	Road Surface Conditions	Ambient Light Conditions	Weather Conditions	Is Peak?	Vehicle Travelled Direction	Vehicle Action	Driver Contributing Code
1	Washington Avenue btwn Route 16 and	Washington Avenue	2890137	2012-01-27	6:56 AM	Rear-end	Property damage only		Wet	Daylight	Rain	Peak	V1:Northbound / V2:Eastbound	V1: Parked / V2:Backing	No improper action
2	Washington Avenue btwn Route 16 and	Washington Ave	3244131	2012-08-10	12:48 PM	Angle	Non-fatal injury		Dry	Daylight	Cloudy	Off-peak	V1:Northbound / V2:Eastbound / V3:Not reported	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Parked	Inattention
3	Washington Avenue btwn Route 16 and	Washington Ave	3705442	2013-10-27	1:44 PM	Angle	Property damage only		Dry	Daylight	Cloudy	Off-peak	V1:Northbound / V2:Eastbound	V1: Travelling straight ahead / V2:Travelling straight ahead	No improper action
4	Washington Avenue btwn Route 16 and	Washington Ave	3705520	2013-12-04	7:53 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action
5	Washington Avenue btwn Route 16 and	Washington Ave	4040850	2015-05-09	2:05 PM	Rear-end	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Northbound / V2:Northbound	V1: Slowing or stopped in traffic / V2:Slowing or stopped in traffic	Unknown
6	Washington Avenue btwn Route 16 and	Washington Ave	4042961	2015-05-16	9:40 PM	Rear-end	Not Reported		Dry	Dark - lighted roadway	Clear	Off-peak	V1:Northbound	V1: Backing	Unknown
7	Washington Avenue btwn Route 16 and	Washington Ave / Sagamore Avenue	4084744	2015-07-24	3:39 PM	Single vehicle crash	Property damage only		Dry	Daylight	Clear	Peak	V1:Westbound / V2:Northbound	V1: Turning right / V2:Parked	Unknown
8	Washington Avenue btwn Route 16 and	Washington Ave	4106095	2015-10-23	4:13 PM	Single vehicle crash	Non-fatal injury	ped	Dry	Daylight	Clear	Peak	V1:Southbound	V1: Travelling straight ahead	Unknown
9	Washington Avenue btwn Route 16 and	Sagamore Ave / Washington Ave	4175940	2016-04-12	6:21 AM	Angle	Property damage only		Dry	Daylight	Cloudy	Peak	V1:Westbound / V2:Southbound	V1: Turning left / V2:Making U-turn	No improper action
10	Washington Avenue btwn Route 16 and	350 Washington Ave	4230035	2016-07-27	7:24 PM	Angle	Property damage only		Dry	Daylight	Clear	Off-peak	V1:Eastbound / V2:Southbound	V1: Entering traffic lane / V2:Travelling straight ahead	Inattention
11	Washington Avenue btwn Route 16 and	368 Washington Ave	4306132	2016-12-30	3:44 PM	Sideswipe, same direction	Non-fatal injury		Dry	Dawn	Clear	Peak	V1:Northbound / V2:Northbound / V3:Not reported	V1: Travelling straight ahead / V2:Parked / V3:Parked	Inattention
12	Washington Avenue at Sagamore Avenue	Washington Ave / Sagamore Avenue	2906332	2012-02-12	2:19 PM	Rear-end	Non-fatal injury		Dry	Daylight	Clear	Off-peak	V1:Westbound / V2:Westbound	V1: Travelling straight ahead / V2:Slowing or stopped in traffic	Follow too closely
13	Washington Avenue at Sagamore Avenue	Washington Ave / Sagamore Ave	3269199	2012-10-07	9:46 AM	Angle	Property damage only		Dry	Daylight	Clear	Peak	V1:Eastbound / V2:Northbound	V1: Travelling straight ahead / V2:Travelling straight ahead	Unknown
14	Washington Avenue at Sagamore Avenue	Washington Ave / Sagamore Ave	3290330	2012-10-19	6:58 PM	Single vehicle crash	Non-fatal injury	ped	Wet	Dark - lighted roadway	Rain	Peak	V1:Southbound	V1: Travelling straight ahead	No improper action
15	Washington Avenue at Sagamore Avenue	Sagamore Ave / Washington Ave	3475747	2013-06-07	11:56 PM	Single vehicle crash	Non-fatal injury	ped	Wet	Dark - lighted roadway	Rain	Off-peak	V1:Southbound	V1: Travelling straight ahead	Unknown
16	Washington Avenue at Sagamore Avenue	Washington Ave / Sagamore Ave	3736829	2014-02-20	5:22 PM	Angle	Property damage only		Wet	Dark - lighted roadway	Clear	Peak	V1:Westbound / V2:Northbound / V3:Southbound	V1: Travelling straight ahead / V2:Travelling straight ahead / V3:Travelling straight ahead	Unknown
17	Washington Avenue at Sagamore Avenue	Washington Ave / Sagamore Ave	3991549	2015-01-06	5:55 PM	Angle	Property damage only		Dry	Dark - lighted roadway	Cloudy	Peak	V1:Northbound / V2:Westbound	V1: Travelling straight ahead / V2:Turning right	No improper action
18	Washington Avenue at Sagamore Avenue	Washington Ave	4091051	2015-09-30	7:32 PM	Single vehicle crash	Property damage only	ped	Dry	Dark - lighted roadway	Cloudy	Off-peak	V1:Eastbound	V1: Travelling straight ahead	No improper action

Part 2: Expected Crashes Analysis

Table C-1
Summary of Expected Crashes Analysis for Existing Conditions
Route 16 in Everett and Chelsea

Location	Analysis Type	Total observed crashes	Average observed crashes	Average predicted crashes	Average expected crashes	Potential for Safety Improvement (PSI)	High-Risk Site	Observed crashes > Expected Crashes	FI Crash Rate	PDO Crash Rate	FI Cost	PDO Cost	Total Cost
Between Sweetser Circle and Everett Avenue	Segment	32	6.4	5.63	5.32	-0.31	-	Y	1.49	3.83	\$389,854	\$59,673	\$449,500
Route 16 at Lewis Street	Intersection	42	8.4	3.85	7.00	3.15	Y	Y	2.30	4.70	\$599,014	\$73,386	\$672,400
Route 16 at Second Street	Intersection	61	12.2	16.04	14.20	-1.84	N	N	5.33	8.87	\$1,389,807	\$138,389	\$1,528,200
Route 16 at Spring Street	Intersection	41	8.2	7.65	7.94	0.29	Y	Y	3.03	4.91	\$791,323	\$76,562	\$867,900
Route 16 at South Ferry Street	Intersection	31	6.2	6.14	6.21	0.07	Y	N	2.25	3.96	\$587,049	\$61,717	\$648,800
Route 16 at Vine Street	Intersection	59	11.8	11.36	13.32	1.96	Y	N	5.09	8.23	\$1,327,625	\$128,450	\$1,456,100
Route 16 at Vale Street	Intersection	22	4.4	6.40	5.05	-1.35	N	N	1.92	3.13	\$500,717	\$48,822	\$549,500
Route 16 at Boston Street	Intersection	10	2.0	5.28	2.47	-2.81	N	N	0.79	1.69	\$204,741	\$26,328	\$231,100
Route 16 at Everett Avenue	Intersection	82	16.4	10.04	15.67	5.63	Y	Y	6.21	9.46	\$1,618,586	\$147,618	\$1,766,200
Between Everett Avenue and Washington Avenue	Segment	29	5.8	2.35	4.05	1.71	-	Y	1.12	2.93	\$293,162	\$45,691	\$338,900
Route 16 at Union Street	Intersection	21	4.2	7.61	4.39	-3.23	N	N	1.64	2.75	\$426,810	\$42,902	\$469,700
Route 16 at Washington Avenue	Intersection	76	15.2	8.97	14.82	5.85	Y	Y	5.55	9.27	\$1,447,646	\$144,655	\$1,592,300
Between Washington Avenue and Garfield Avenue	Segment	16	3.2	2.39	2.78	0.38	-	Y	0.77	2.01	\$201,436	\$31,288	\$232,700
Route 16 at Garfield Avenue and Webster Avenue	Intersection	104	20.8	13.13	22.08	8.96	Y	N	8.27	13.81	\$2,156,739	\$215,510	\$2,372,200
Between Garfield Avenue and Route 1 SB Off-Ramp	Segment	10	2.0	1.30	0.86	-0.44	-	Y	0.24	0.62	\$62,439	\$9,712	\$72,200
Entire Route 16 Corridor		636	127.2	108.15	126.17	9 of 15	7 of 11	8 of 15	46.0	80.2	\$11,996,948	\$1,250,702	\$13,247,700

Notes:

Analysis Type = Highway Safety Manual (HSM) method of analysis. Intersection analyses use MassDOT corrected formulas.

Total observed crashes = total number of crashes reported to Brookline Police between January 2013 and August 2018

Average observed crashes = observed crashes / (5.67 years)

Average predicted crashes = number of crashes per year predicted for an average facility with similar geometric and traffic characteristics

Average expected crashes = predicted crashes, corrected using Empirical Bayes correlation and observed crashes

Potential for Safety Improvement (PSI) = (average expected crashes) - (average predicted crashes). Represents the number of crashes per year occurring in excess of the predicted number

High-Risk Site = MassDOT designation for intersections with high safety risk

Observed crashes > Expected Crashes = shows if recent crash history is above average

Fatal or Injury (FI) Crash Rate = number of expected crashes per year that result in a fatality or injury

Property Damage Only (PDO) Crash Rate = number of expected crashes per year that only result in property damage in excess of \$1,000

FI Cost = annual cost of expected FI crashes. Uses MassDOT comprehensive crash cost of \$260,800 per FI crash

PDO Cost = annual cost of expected PDO crashes. Uses MassDOT comprehensive crash cost of \$15,600 per PDO crash

Total Cost = FI Cost + PDO Cost

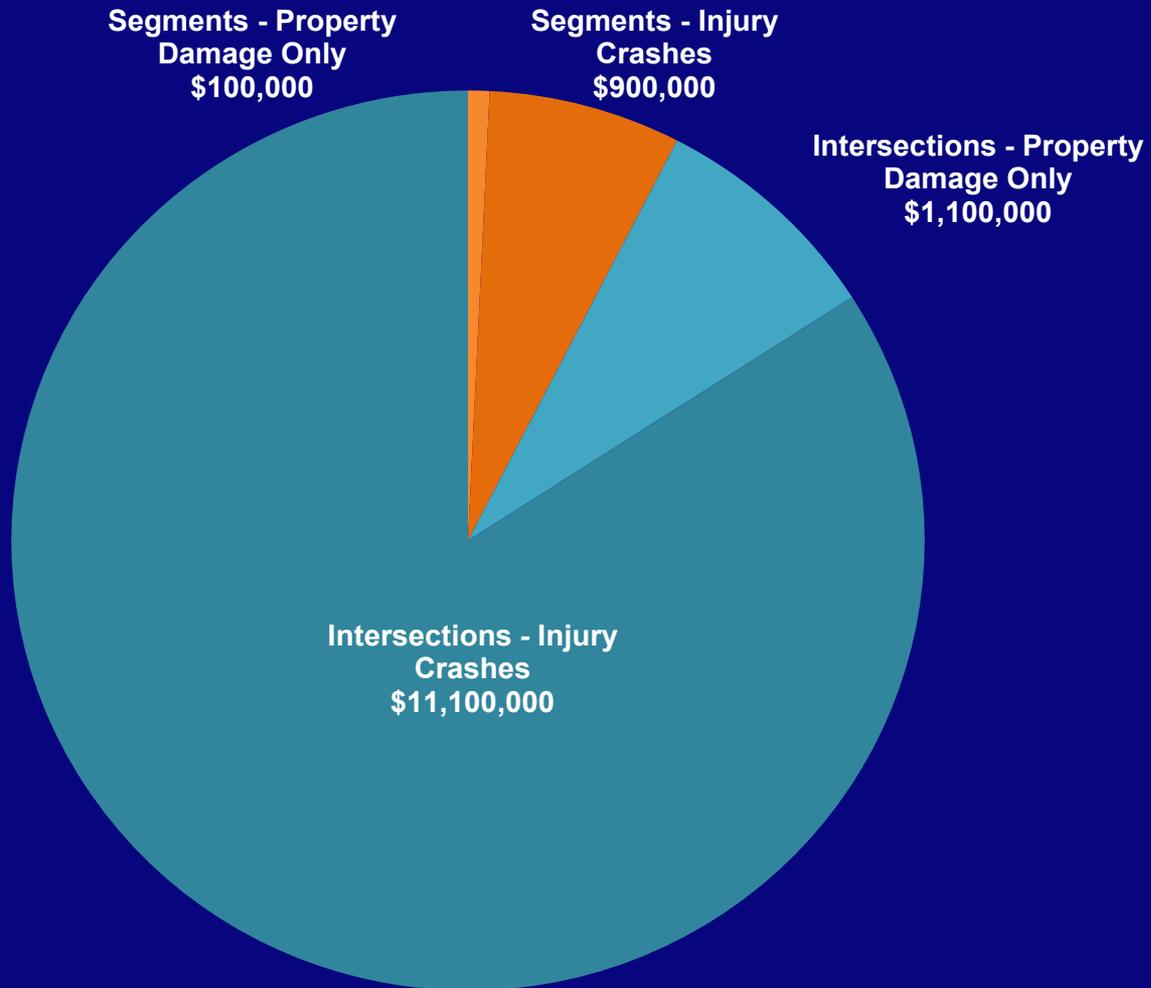
Annual Comprehensive Cost Estimate By Facility



Annual Cost
 FI = \$12,000,000; PDO = \$1,125,000
 Total = \$13,125,000
 Note: Recommended comprehensive crash cost costs are \$260,800 per FI crash and \$15,600 per PDO crash, from 2016 FHWA estimates adjusted for Massachusetts.

■ Fatal and Injury Crashes
 ■ Property Damage Only

Annual Comprehensive Cost Estimate: Existing Conditions



General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Lewis Street
Agency or Company	CTPS	Intersection Type	4SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	40	42	3.39	3.85	1.35

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
40.00	8.40	16.97	3.85	-	0.38	31.19	35.01	7.00	Y	3.15	Y

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Second Street
Agency or Company	CTPS	Intersection Type	4SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	59	61	13.15	16.04	4.20

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
59.00	12.20	65.76	16.04	-	0.14	59.93	71.00	14.20	N	-1.84	N

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Spring Street
Agency or Company	CTPS	Intersection Type	4SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	34	41	6.21	7.65	4.65

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
34.00	8.20	31.03	7.65	-	0.25	33.25	39.71	7.94	Y	0.29	Y

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at South Ferry Street
Agency or Company	CTPS	Intersection Type	3SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	26	31	5.17	6.14	4.65

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
26.00	6.20	25.83	6.14	-	0.09	25.99	31.04	6.21	Y	0.07	N

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Vine Street
Agency or Company	CTPS	Intersection Type	4SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	58	59	9.21	11.36	4.65

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
58.00	11.80	46.07	11.36	-	0.19	55.78	66.62	13.32	Y	1.96	N

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Vale Street
Agency or Company	CTPS	Intersection Type	3SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	20	22	5.23	6.40	6.27

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
20.00	4.40	26.17	6.40	-	0.09	20.53	25.25	5.05	N	-1.35	N

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Boston Street
Agency or Company	CTPS	Intersection Type	3ST
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012-16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012-16	9	10	4.45	5.28	1.00

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
9.00	2.00	22.25	5.28	-	0.16	11.09	12.36	2.47	N	-2.81	N

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Everett Avenue
Agency or Company	CTPS	Intersection Type	4SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	71	82	7.96	10.04	5.60

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
71.00	16.40	39.79	10.04	-	0.21	64.47	78.34	15.67	Y	5.63	Y

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Union Street
Agency or Company	CTPS	Intersection Type	3SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	17	21	6.30	7.61	5.60

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
17.00	4.20	31.52	7.61	-	0.07	18.05	21.93	4.39	N	-3.23	N

General Information		Location Information	
Analyst	Ben Erban	Intersection	Route 16 at Washington Avenue
Agency or Company	CTPS	Intersection Type	4SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012–16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012–16	70	76	7.36	8.97	4.15

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
70.00	15.20	36.82	8.97	-	0.22	62.63	74.12	14.82	Y	5.85	Y

General Information		Location Information	
Analyst	Ben Erban	Intersection	ute 16 at Garfield Avenue and Webster Avenue
Agency or Company	CTPS	Intersection Type	4SG
Date Performed	Jan-19	Jurisdiction	MassDOT Highway District 6
City	Everett/Chelsea	Analysis Year	2012-16

Input Information					
Years	Oserved MV crashes	Observed total crashes	Annual Predicted MV crashes	Annual Predicted total crashes	Combined CMF for veh-ped crashes
2012-16	101	104	10.78	13.13	4.15

Output Information											
Observed MV crashes	Average observed total crashes	Total predicted MV crashes	Average predicted total crashes	Standard deviation of predicted total crashes	Weight	Total expected MV crashes	No of expected total crashes	Average expected total crashes	High-risk Intersection (Y/N)	Potential for Safety Improvement (PSI)	If avg observed total crashes > avg expected crashes
101.00	20.80	53.88	13.13	-	0.16	93.30	110.42	22.08	Y	8.96	N

Highway Safety Software Urban Segment Report

Project Information

Analyst	Ben Erban	Date	2/1/2019
Jurisdiction	MassDOT District 4	Analysis Year	2016
Project Description	Priority Corridors from LRTP Needs Mangement: Rt16		

Input Data

Segment Type	Four-Lane Divided Segment (4D)		
Length of Segment (mi)	0.660	AADT (veh/day)	31621
Median Width (ft)	10	Lighting	Yes
Type of On-street Parking	None	Proportion w/On-street Parking	0.10
Automated Speed Enforcement	No	Posted Speed (mph)	35
Roadside Fixed Object Density	45	Offset to Roadside Fixed Obj. (ft)	5
# Major Commercial Driveways	0	# Minor Commercial Driveways	25
# Major Industrial/Insti. Driveways	0	# Minor Industrial/Insti. Driveways	3
# Major Residential Driveways	0	# Minor Residential Driveways	5
# Other Driveways	0	Calibration Factor	1.00

Crash Modification Factors

On-Street Parking - CMF1	1.000	Lighting - CMF4	0.914
Roadside Fixed Objects - CMF2	1.179	Automated Speed Enforcement - CMF5	1.000
Median Width - CMF3	1.010	Combined CMF	1.089

Predicted Roadway Section Crashes

Crash Severity	Predicted Crash Frequency	Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	1.582	2.398
Property Damage Only (PDO)	4.049	6.135
Total	5.632	8.533

Expected Roadway Section Crashes

Crash Severity	Expected Crash Frequency	Expected Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	1.495	2.265
Property Damage Only (PDO)	3.825	5.796
Total	5.320	8.061

Economic Analysis (Expected Crashes)

Crash Severity	Per Crash Societal Crash Cost	Expected Annual Crashes	Total Societal Crash Cost
Fatal and Injury (FI)	\$158,200.00	1.495	\$236,483.23
Property Damage Only (PDO)	\$7,400.00	3.825	\$28,306.21
Total	-	5.320	\$264,789.44

Highway Safety Software Urban Segment Report

Project Information

Analyst	Ben Erban	Date	2/1/2019
Jurisdiction	MassDOT District 4	Analysis Year	2016
Project Description	Priority Corridors from LRTP Needs Mangement: Rt16		

Input Data

Segment Type	Four-Lane Divided Segment (4D)		
Length of Segment (mi)	0.150	AADT (veh/day)	38299
Median Width (ft)	4	Lighting	Yes
Type of On-street Parking	None	Proportion w/On-street Parking	0.10
Automated Speed Enforcement	No	Posted Speed (mph)	35
Roadside Fixed Object Density	30	Offset to Roadside Fixed Obj. (ft)	10
# Major Commercial Driveways	0	# Minor Commercial Driveways	1
# Major Industrial/Insti. Driveways	0	# Minor Industrial/Insti. Driveways	0
# Major Residential Driveways	0	# Minor Residential Driveways	3
# Other Driveways	0	Calibration Factor	1.00

Crash Modification Factors

On-Street Parking - CMF1	1.000	Lighting - CMF4	0.914
Roadside Fixed Objects - CMF2	1.058	Automated Speed Enforcement - CMF5	1.000
Median Width - CMF3	1.000	Combined CMF	0.967

Predicted Roadway Section Crashes

Crash Severity	Predicted Crash Frequency	Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	0.362	2.412
Property Damage Only (PDO)	0.941	6.272
Total	1.303	8.683

Expected Roadway Section Crashes

Crash Severity	Expected Crash Frequency	Expected Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	0.239	1.596
Property Damage Only (PDO)	0.623	4.151
Total	0.862	5.747

Economic Analysis (Expected Crashes)

Crash Severity	Per Crash Societal Crash Cost	Expected Annual Crashes	Total Societal Crash Cost
Fatal and Injury (FI)	\$158,200.00	0.239	\$37,875.41
Property Damage Only (PDO)	\$7,400.00	0.623	\$4,607.13
Total	-	0.862	\$42,482.54

Highway Safety Software Urban Segment Report

Project Information

Analyst	Ben Erban	Date	2/1/2019
Jurisdiction	MassDOT District 4	Analysis Year	2016
Project Description	Priority Corridors from LRTP Needs Mangement: Rt16		

Input Data

Segment Type	Four-Lane Divided Segment (4D)		
Length of Segment (mi)	0.260	AADT (veh/day)	38299
Median Width (ft)	4	Lighting	Yes
Type of On-street Parking	None	Proportion w/On-street Parking	0.10
Automated Speed Enforcement	No	Posted Speed (mph)	35
Roadside Fixed Object Density	30	Offset to Roadside Fixed Obj. (ft)	5
# Major Commercial Driveways	0	# Minor Commercial Driveways	3
# Major Industrial/Insti. Driveways	0	# Minor Industrial/Insti. Driveways	0
# Major Residential Driveways	0	# Minor Residential Driveways	4
# Other Driveways	0	Calibration Factor	1.00

Crash Modification Factors

On-Street Parking - CMF1	1.000	Lighting - CMF4	0.914
Roadside Fixed Objects - CMF2	1.108	Automated Speed Enforcement - CMF5	1.000
Median Width - CMF3	1.000	Combined CMF	1.012

Predicted Roadway Section Crashes

Crash Severity	Predicted Crash Frequency	Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	0.666	2.560
Property Damage Only (PDO)	1.728	6.647
Total	2.394	9.207

Expected Roadway Section Crashes

Crash Severity	Expected Crash Frequency	Expected Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	0.772	2.971
Property Damage Only (PDO)	2.006	7.714
Total	2.778	10.685

Economic Analysis (Expected Crashes)

Crash Severity	Per Crash Societal Crash Cost	Expected Annual Crashes	Total Societal Crash Cost
Fatal and Injury (FI)	\$158,200.00	0.772	\$122,190.25
Property Damage Only (PDO)	\$7,400.00	2.006	\$14,841.60
Total	-	2.778	\$137,031.85

Highway Safety Software Urban Segment Report

Project Information

Analyst	Ben Erban	Date	2/1/2019
Jurisdiction	MassDOT District 4	Analysis Year	2016
Project Description	Priority Corridors from LRTP Needs Mangement: Rt16		

Input Data

Segment Type	Four-Lane Divided Segment (4D)		
Length of Segment (mi)	0.150	AADT (veh/day)	38299
Median Width (ft)	4	Lighting	Yes
Type of On-street Parking	None	Proportion w/On-street Parking	0.10
Automated Speed Enforcement	No	Posted Speed (mph)	35
Roadside Fixed Object Density	30	Offset to Roadside Fixed Obj. (ft)	10
# Major Commercial Driveways	0	# Minor Commercial Driveways	1
# Major Industrial/Insti. Driveways	0	# Minor Industrial/Insti. Driveways	0
# Major Residential Driveways	0	# Minor Residential Driveways	3
# Other Driveways	0	Calibration Factor	1.00

Crash Modification Factors

On-Street Parking - CMF1	1.000	Lighting - CMF4	0.914
Roadside Fixed Objects - CMF2	1.058	Automated Speed Enforcement - CMF5	1.000
Median Width - CMF3	1.000	Combined CMF	0.967

Predicted Roadway Section Crashes

Crash Severity	Predicted Crash Frequency	Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	0.362	2.412
Property Damage Only (PDO)	0.941	6.272
Total	1.303	8.683

Expected Roadway Section Crashes

Crash Severity	Expected Crash Frequency	Expected Crash Rate (crashes/mi/year)
Fatal and Injury (FI)	0.239	1.596
Property Damage Only (PDO)	0.623	4.151
Total	0.862	5.747

Economic Analysis (Expected Crashes)

Crash Severity	Per Crash Societal Crash Cost	Expected Annual Crashes	Total Societal Crash Cost
Fatal and Injury (FI)	\$158,200.00	0.239	\$37,875.41
Property Damage Only (PDO)	\$7,400.00	0.623	\$4,607.13
Total	-	0.862	\$42,482.54