CHARLOTTE
TRANSPORTATION

Traffic Collision Data for 2015

Charlotte Department of Transportation
Traffic Safety Section

June 24, 2016

Table of Contents

2015 Annual Report Summary……... Page 3
2015 Quick Facts…….. Page 4
2015 Quick Tips…… Page 5
2015 Annual Report Graphs, Tables and Map……..... Page 6
High Accident List Methodology…… Page 24
2016 High Accident Location List – Sorted by Rank……..……... Page 25
2016 High Accident Location List – Sorted Alphabetically…… Page 28
Intersection Safety Warrant List…… Page 31
Intersection Safety Warrants Selection Criteria……... Page 31
2014 Intersection Safety Warrant List – Sorted Alphabetically…….. Page 34

Summary

The Charlotte Department of Transportation (CDOT) releases collision data for the previous calendar year annually. The Traffic Safety Section within CDOT is responsible for the compilation and analysis of collisions that occur within the road right of way inside the city limits of Charlotte. Included in this report are the collision data and trends from calendar year 2015. The data presented in this report does not include collisions that occurred on the Interstate highways (I-77, I-277, I-85, and I-485) or collisions that occur within private lots and parking areas.

CDOT compiles the collision data information to serve as a tool in the Department's efforts to build, maintain and operate a safe and efficient transportation system. The "Quick Facts" on page four contains additional commentary about the graphs and tables presented in the report.

This report includes two lists that focus efforts in identifying collision trends. For these two lists, data for the City's 19,242 intersections, including 814 signalized intersections, are evaluated.

The first is a list of intersections commonly referred to as the High Accident Location (HAL) list. The 2016 HAL is based on data collected during the 2015 calendar year. While the HAL is used by CDOT and City staff as a tool to identify collision trends, the purpose of including it in this report is to heighten road user awareness of locations that have an elevated collision rate. To put the HAL in perspective, it should be noted that of the 19,242 intersections in the City of Charlotte, 98 (half of one percent) are on the HAL. Of the 98 intersections on the HAL, 84 or nearly 86%, are controlled by a traffic signal.

The second list is the Intersection Safety Warrant list. It is updated every two years and was released with the 2014 report. Again this list is a tool used by CDOT and City staff and the purpose of including it in this report is to heighten road user awareness of locations that have elevated patterns of collisions. To put the Safety Warrant list in perspective, it should be noted that of the 19,242 intersections in the City of Charlotte, 303 (1.6%) meet one or more Intersection Safety Warrants.

All data used for this report is current at the date of printing. CDOT reserves the right to revise any and all collision information contained herein without providing additional notice. For current information regarding specific locations contact the Traffic Safety Section.

For additional information please contact:

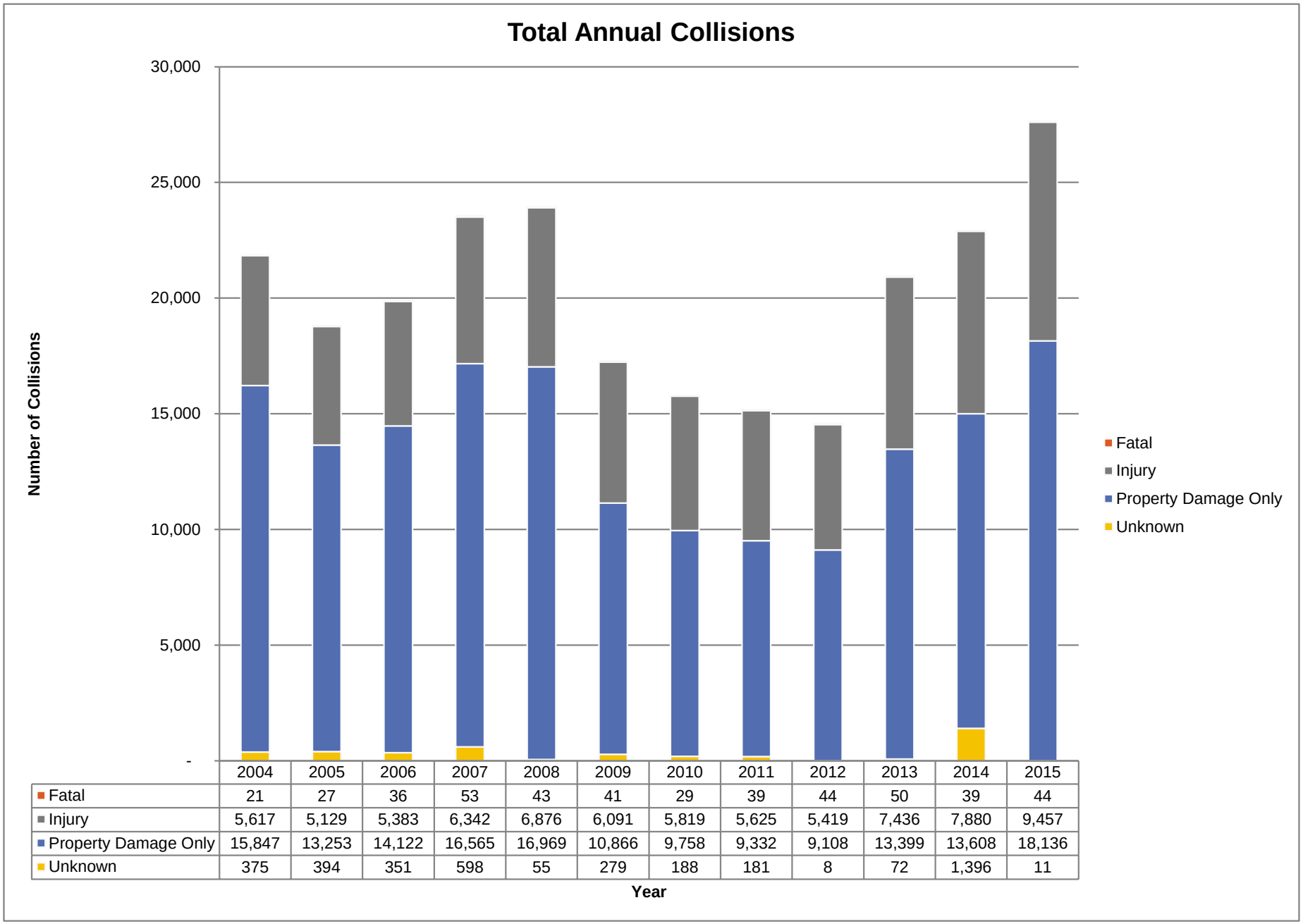
Angela M. Berry, PE
Traffic Safety, ITS and Special Projects Section Manager
Charlotte Department of Transportation
704-432-5259
aberry@charlottenc.gov

Quick Facts

- *Total collisions were up 20.61% from 22,923 total collisions in 2014 to 27,648 in 2015.*
- *Vehicle Miles Travelled and Population continue to increase which may be a factor in the increase in total collisions.*
- *22.2% of collisions involved driver inattention or distraction. This is in line with statistics statewide and nationwide.*
- *More than 68% of collisions in 2015 occurred during daylight hours.*
- *More than 78% of collisions in 2015 occurred during dry driving conditions.*
- *Fatal collisions account for 0.16% of all collisions in the City of Charlotte.*
- *Fatal collisions were up 13% from 39 in 2014 to 44 in 2015.*
- *The 44 fatal collisions resulted in 46 fatalities in 2015.*
- *Collisions where the vehicle runs off the road account for 25% (11 of the 44) fatal collisions.*
- *Total pedestrian collisions remain level compared to 2014. There were ten pedestrian fatalities in 2015 which is up from seven in 2014 and nine in 2013 but remain well below the twenty in 2012.*
- *Speeding was a factor in 39% of the 44 fatal collisions in 2015.*
- *38% of those in motor vehicle fatal collisions (13 of 34) were not wearing a restraint in 2015.*
- *The crash rate used in the High Accident Location list is a math formula that depends on traffic volume and total numbers of crashes. Locations with a moderate number of crashes and low traffic volumes may be ranked higher.*

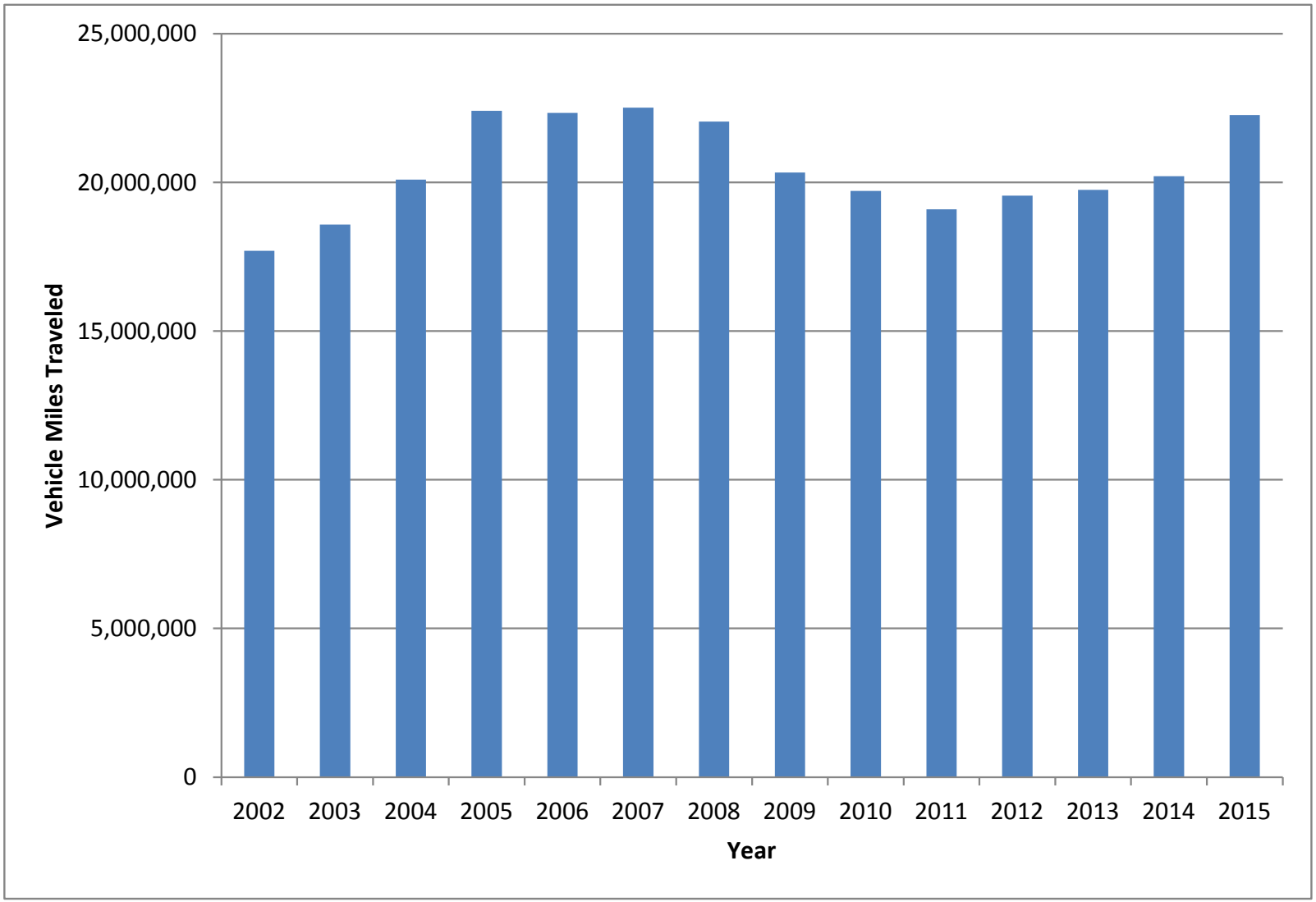
Quick Tips

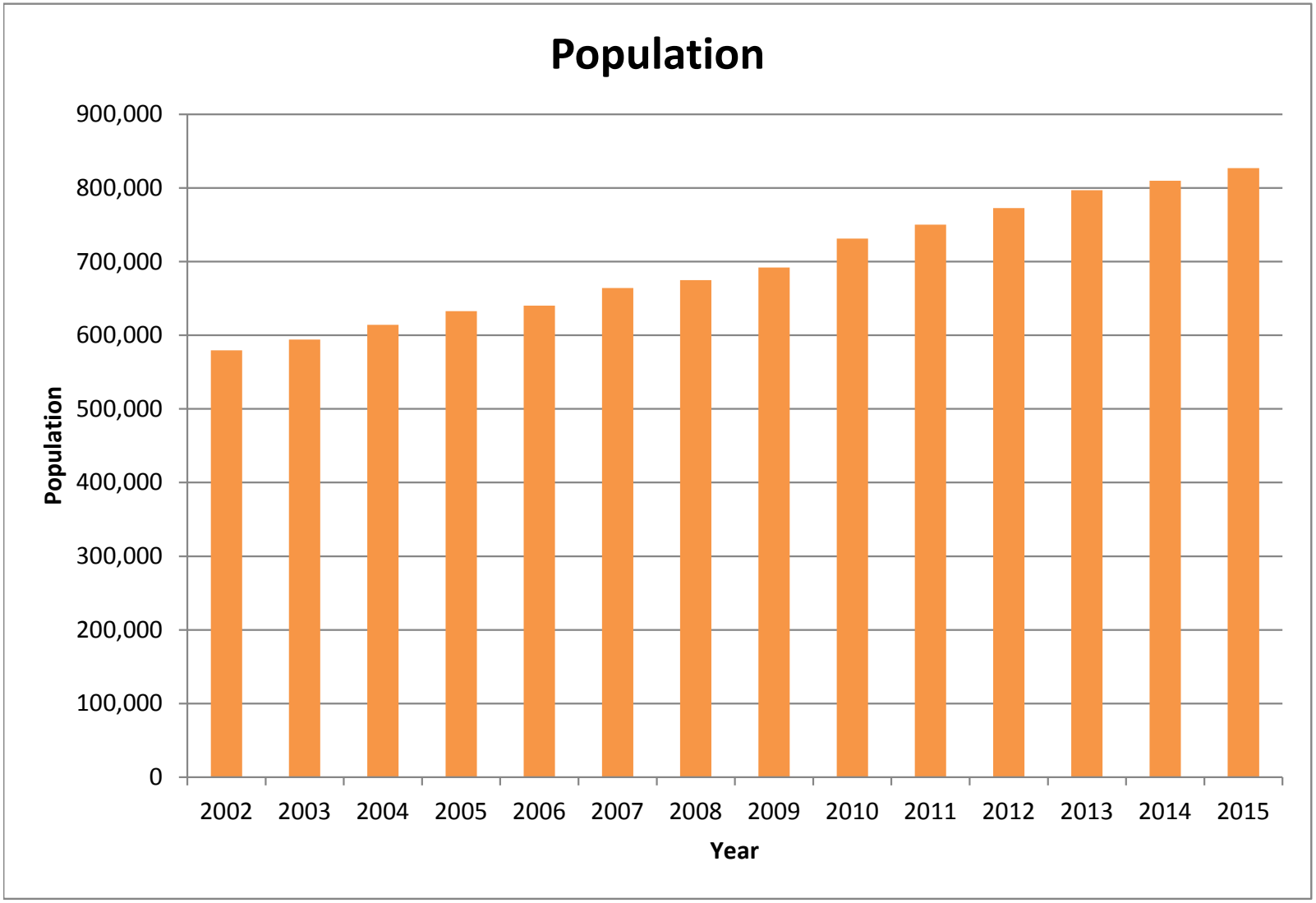
- *Drivers and bicyclists are all encouraged to limit distractions while driving.*
- *Pedestrians are encouraged to limit distractions and remain aware of the motor vehicle traffic around them.*
- *Pedestrians and bicyclists remain our most vulnerable roadway users and drivers are encouraged to watch for them.*
- *Seat belt use is the most effective way to save lives and reduce injuries in crashes.*
- *The posted speed limit is for the best driving conditions. Driving too fast for conditions or exceeding the speed limit can have serious consequences including.*
    - *Reducing a driver's ability to negotiate curves or maneuver around obstacles in the roadway;*
    - *Extending the distance traveled before a vehicle can stop;*
    - *Increasing the distance a vehicle travels while the driver reacts to a hazard;*
    - *Increasing the risk of crashes and injuries because other vehicles and pedestrians may not be able to judge distance accurately.*

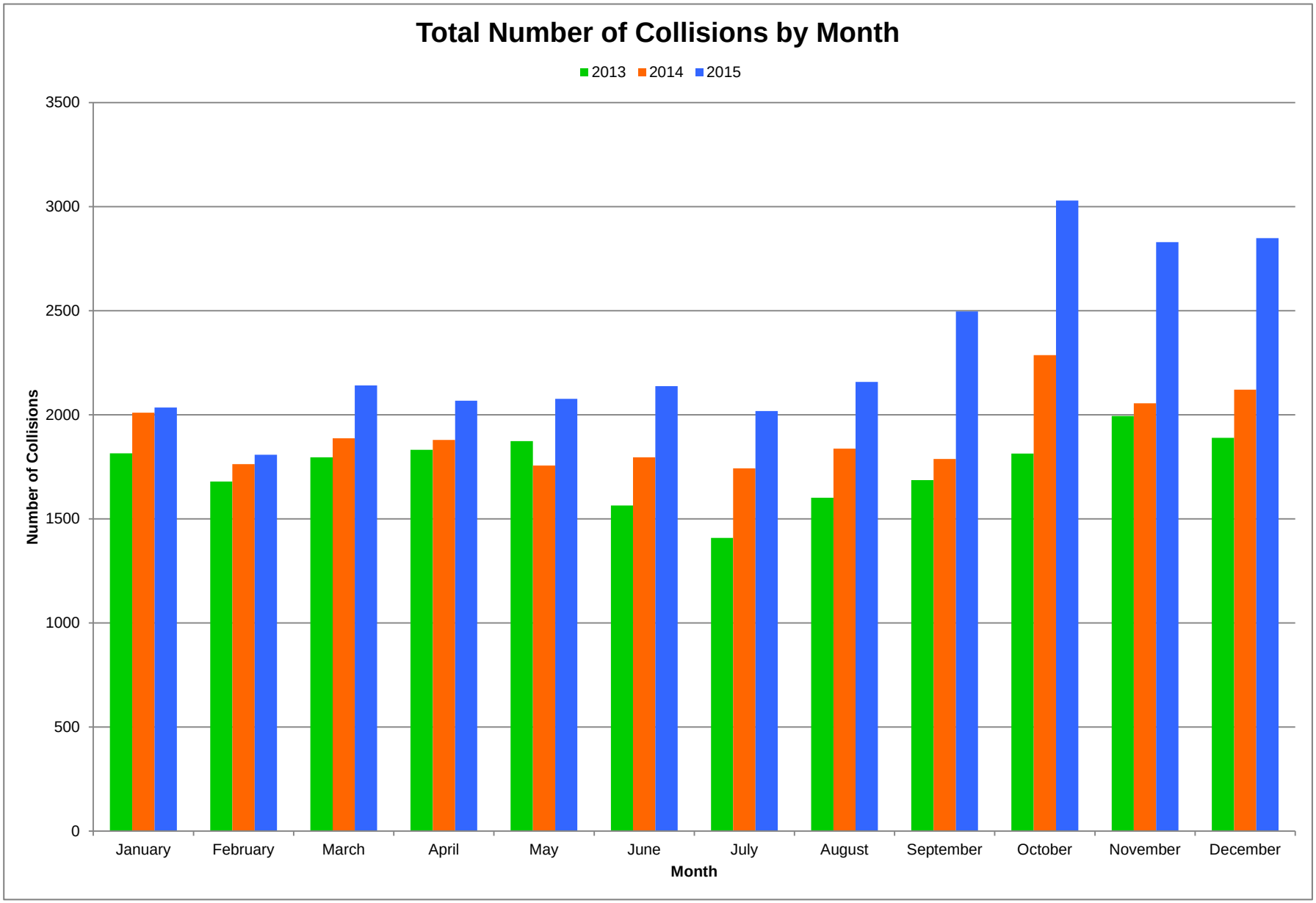


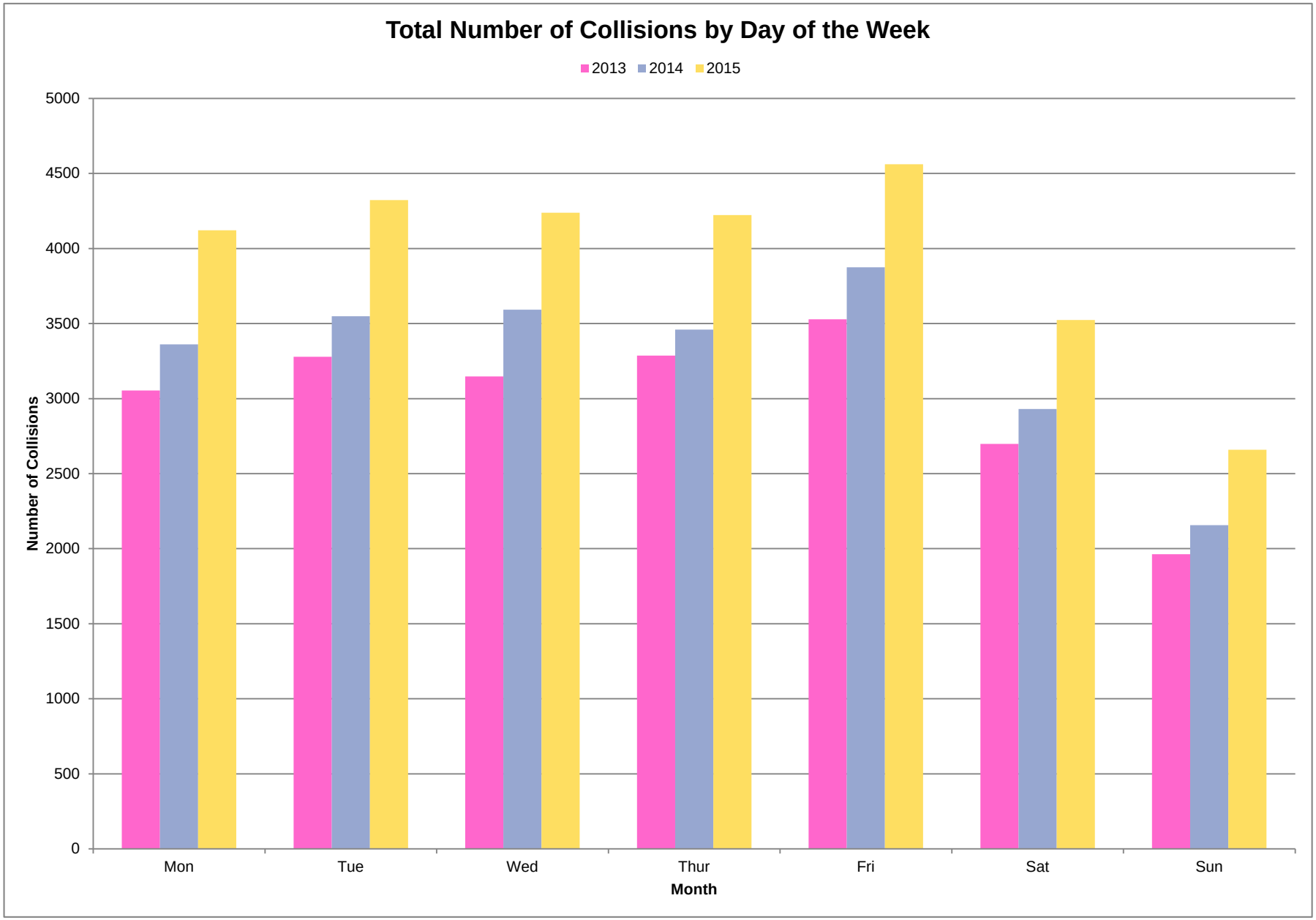
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Fatal	21	27	36	53	43	41	29	39	44	50	39	44
Injury	5,617	5,129	5,383	6,342	6,876	6,091	5,819	5,625	5,419	7,436	7,880	9,457
Property Damage Only	15,847	13,253	14,122	16,565	16,969	10,866	9,758	9,332	9,108	13,399	13,608	18,136
Unknown	375	394	351	598	55	279	188	181	8	72	1,396	11

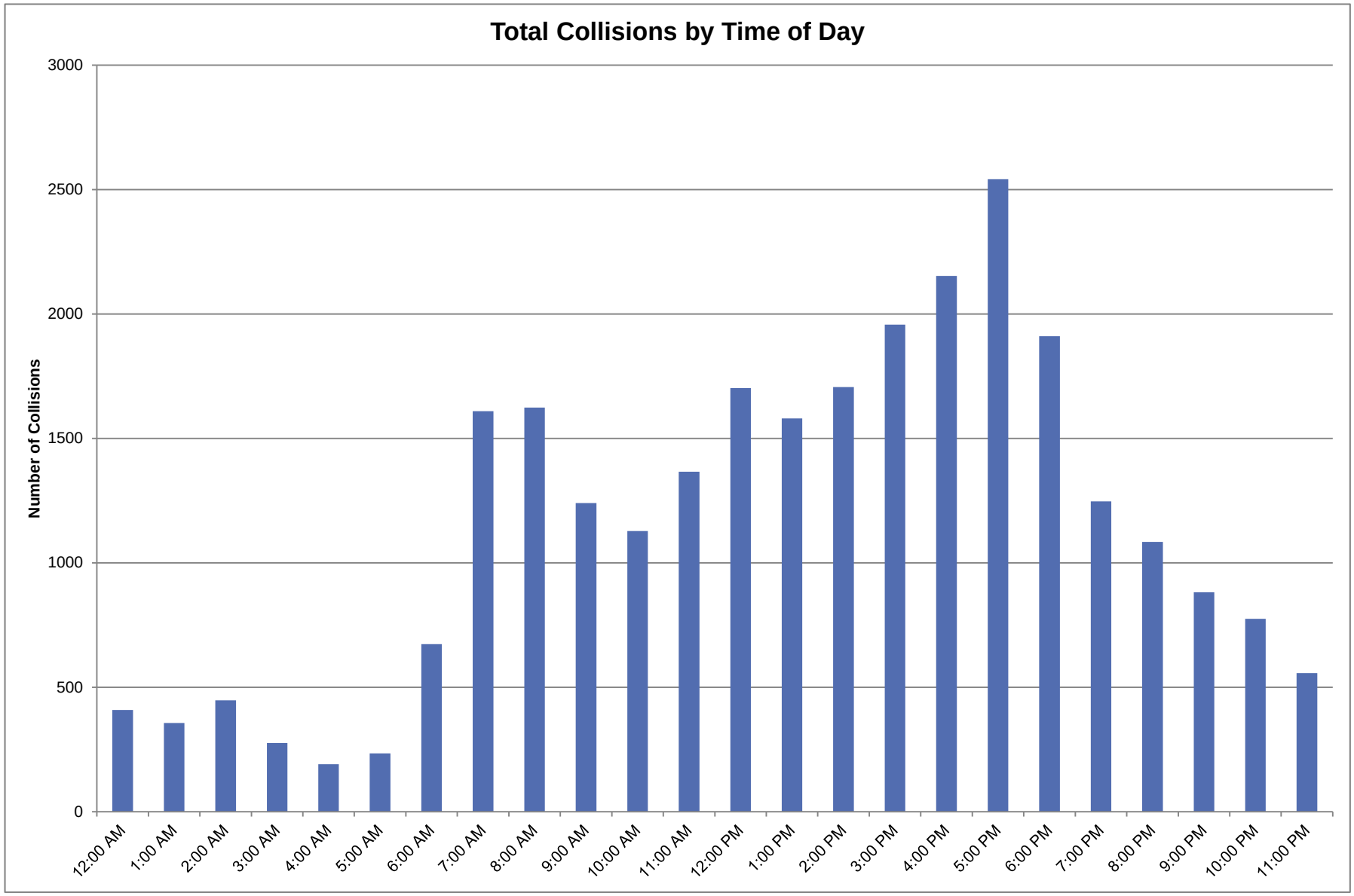
Year

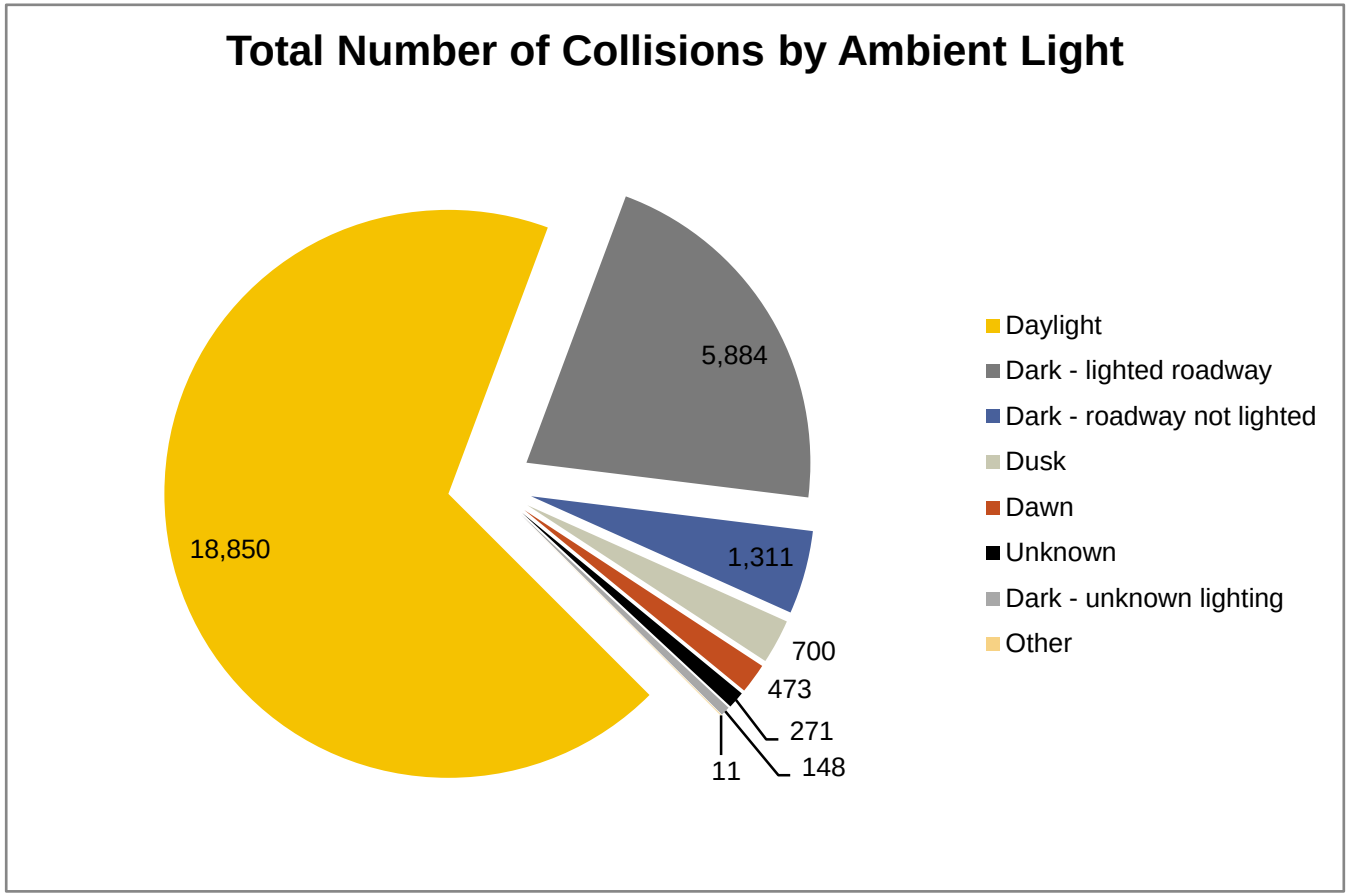

25,000,000
20,000,000
15,000,000
10,000,000
5,000,000
0
Vehicle Miles Traveled
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Year


Population
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Population
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Year

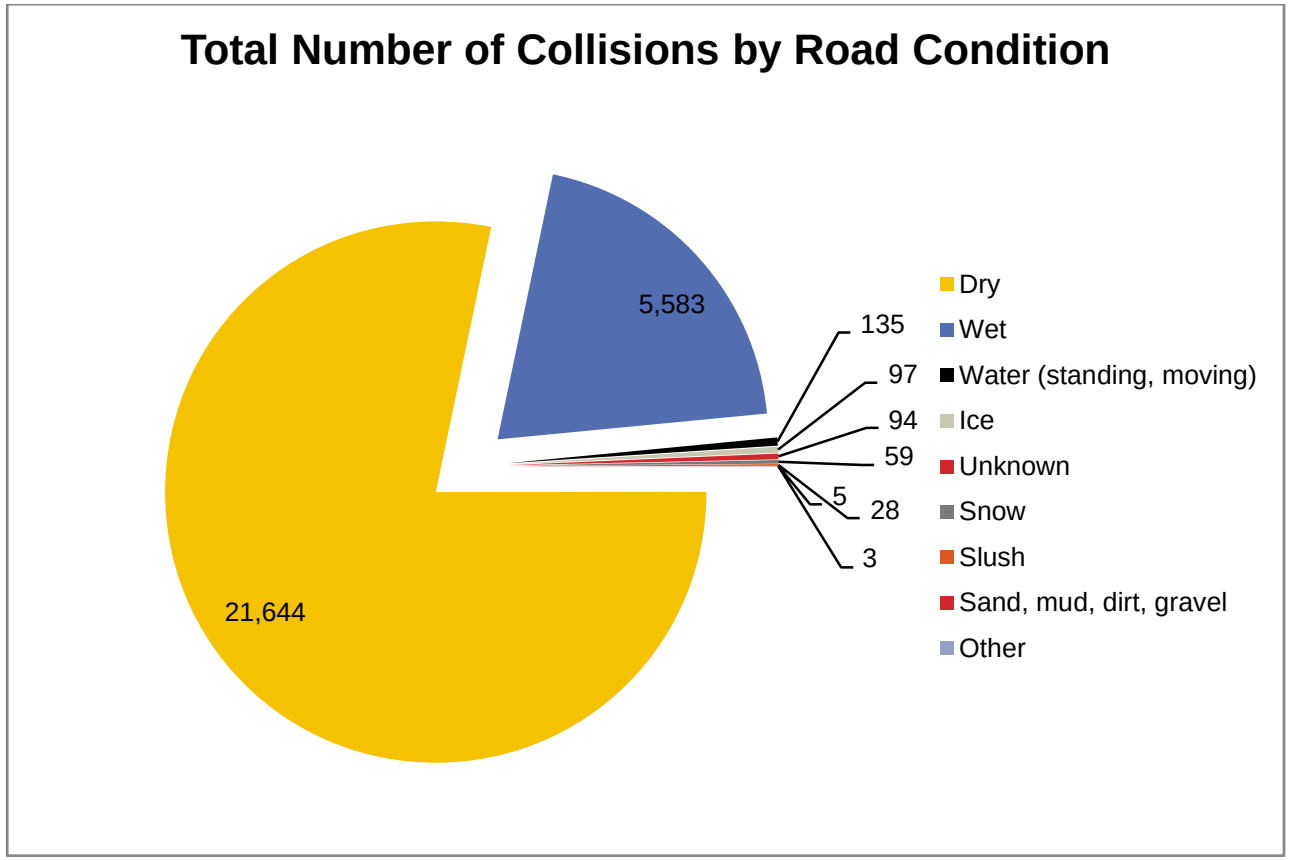

Total Number of Collisions by Month
2013
2014
2015
3500
3000
2500
2000
1500
1000
500
0
Number of Collisions
January
February
March
April
May
June
July
August
September
October
November
December
Month


Total Number of Collisions by Day of the Week
2013
2014
2015
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Number of Collisions
Mon
Tue
Wed
Thur
Fri
Sat
Sun
Month

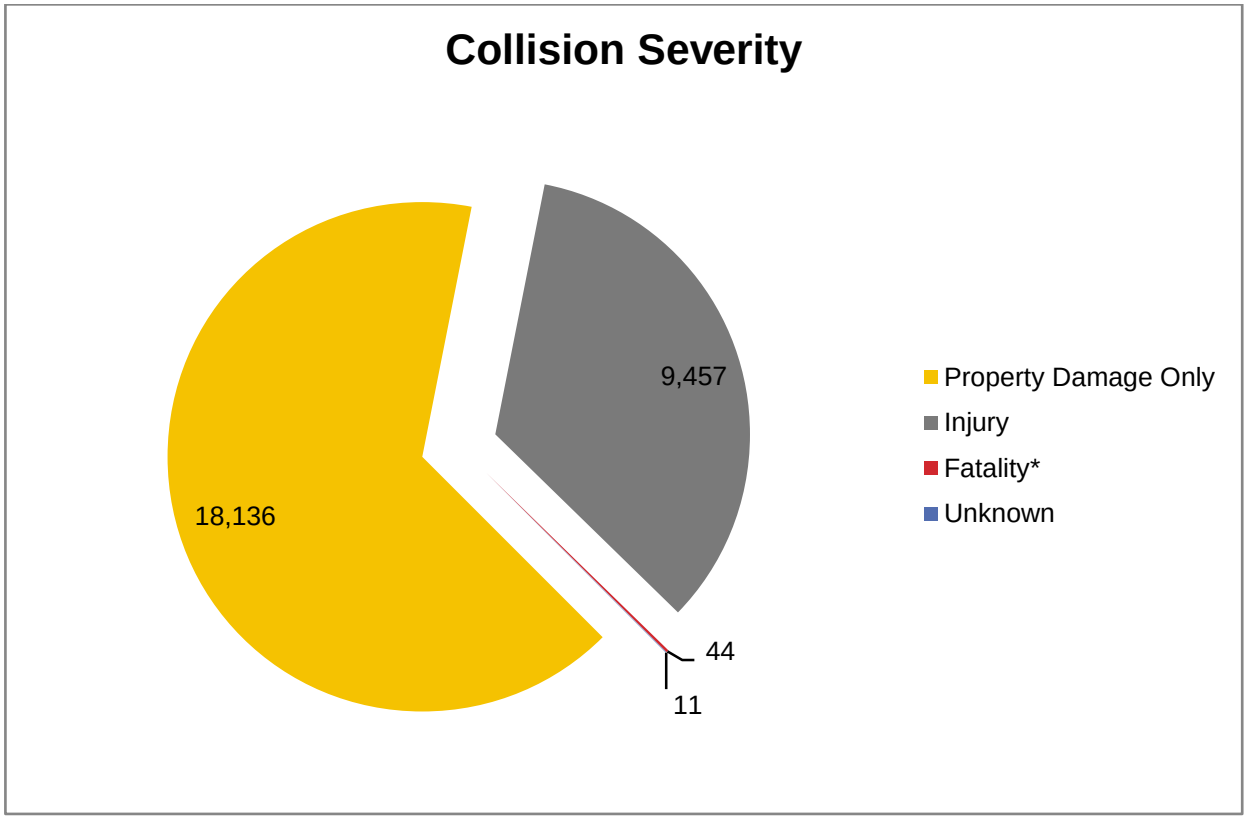

Total Collisions by Time of Day
Number of Collisions
3000
2500
2000
1500
1000
500
0
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
10:00 AM
11:00 AM
12:00 PM
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM



Type of Condition	Total Number of Collisions	Percent of Total
Daylight	18,850	68.18%
Dark - lighted roadway	5,884	21.28%
Dark - roadway not lighted	1,311	4.74%
Dusk	700	2.53%
Dawn	473	1.71%
Unknown	271	0.98%
Dark - unknown lighting	148	0.54%
Other	11	0.04%
Total	**27,648**	100%



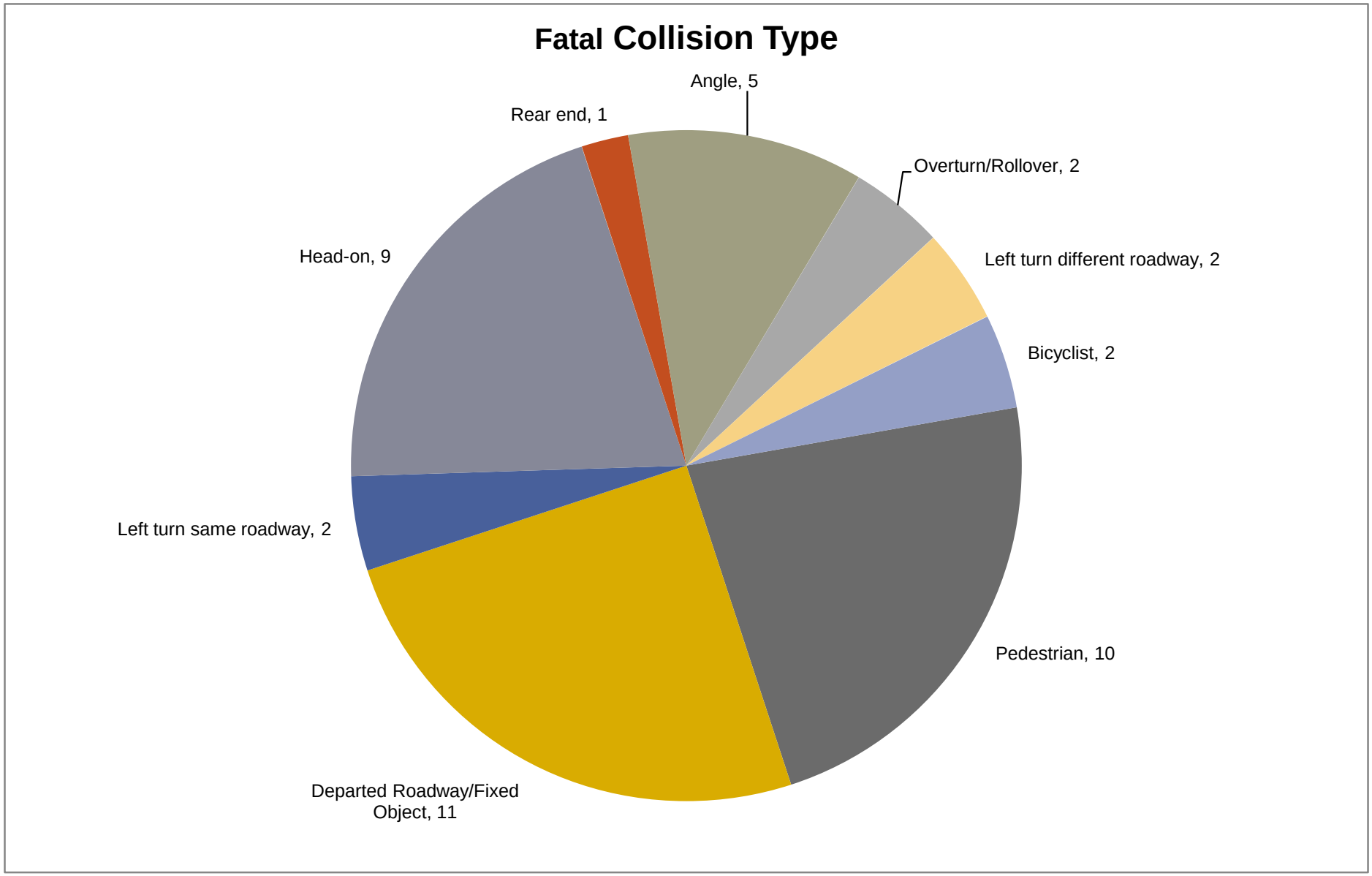
Road Condition	Total Number of Collisions	Percent of Total
Dry	21,644	78.28%
Wet	5,583	20.19%
Water (standing, moving)	135	0.49%
Ice	97	0.35%
Unknown	94	0.34%
Snow	59	0.21%
Slush	28	0.10%
Sand, mud, dirt, gravel	5	0.02%
Other	3	0.01%
Total	**27,648**	100%

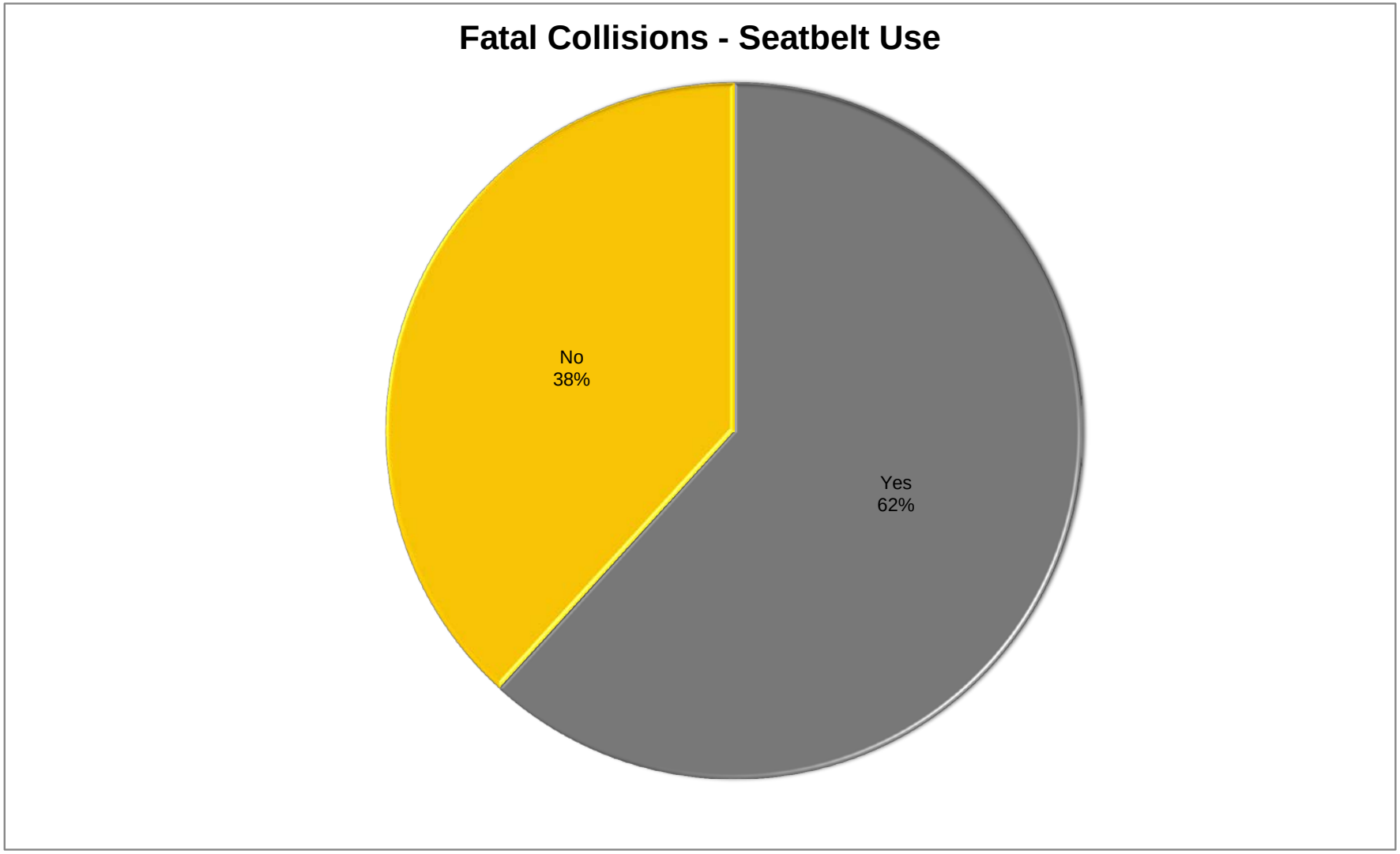


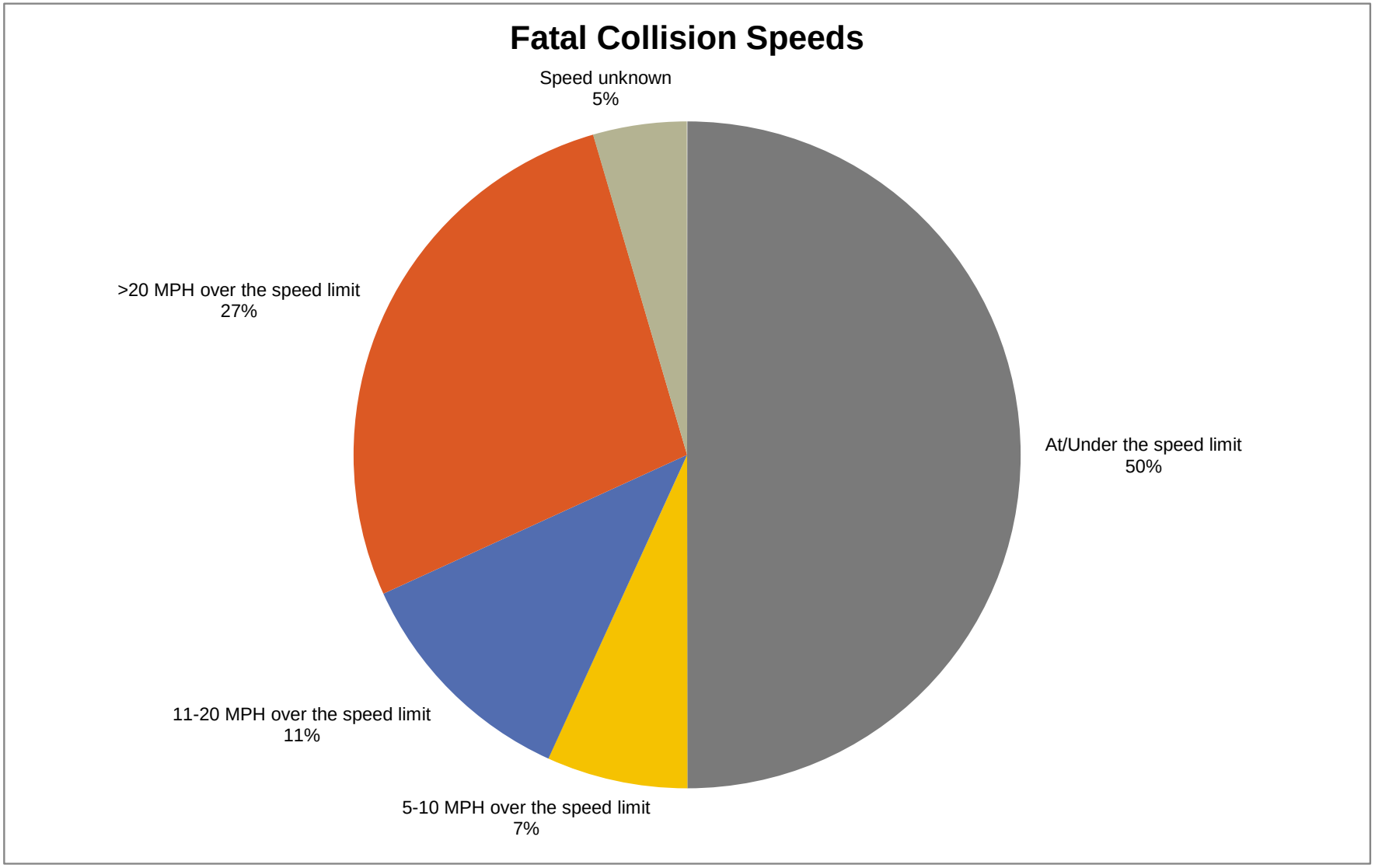
Collision Severity	Total Number of Collisions	Percent of Total
Property Damage Only	18,136	65.60%
Injury	9,457	34.21%
Fatality*	44	0.16%
Unknown	11	0.04%
Total	27,648	100%

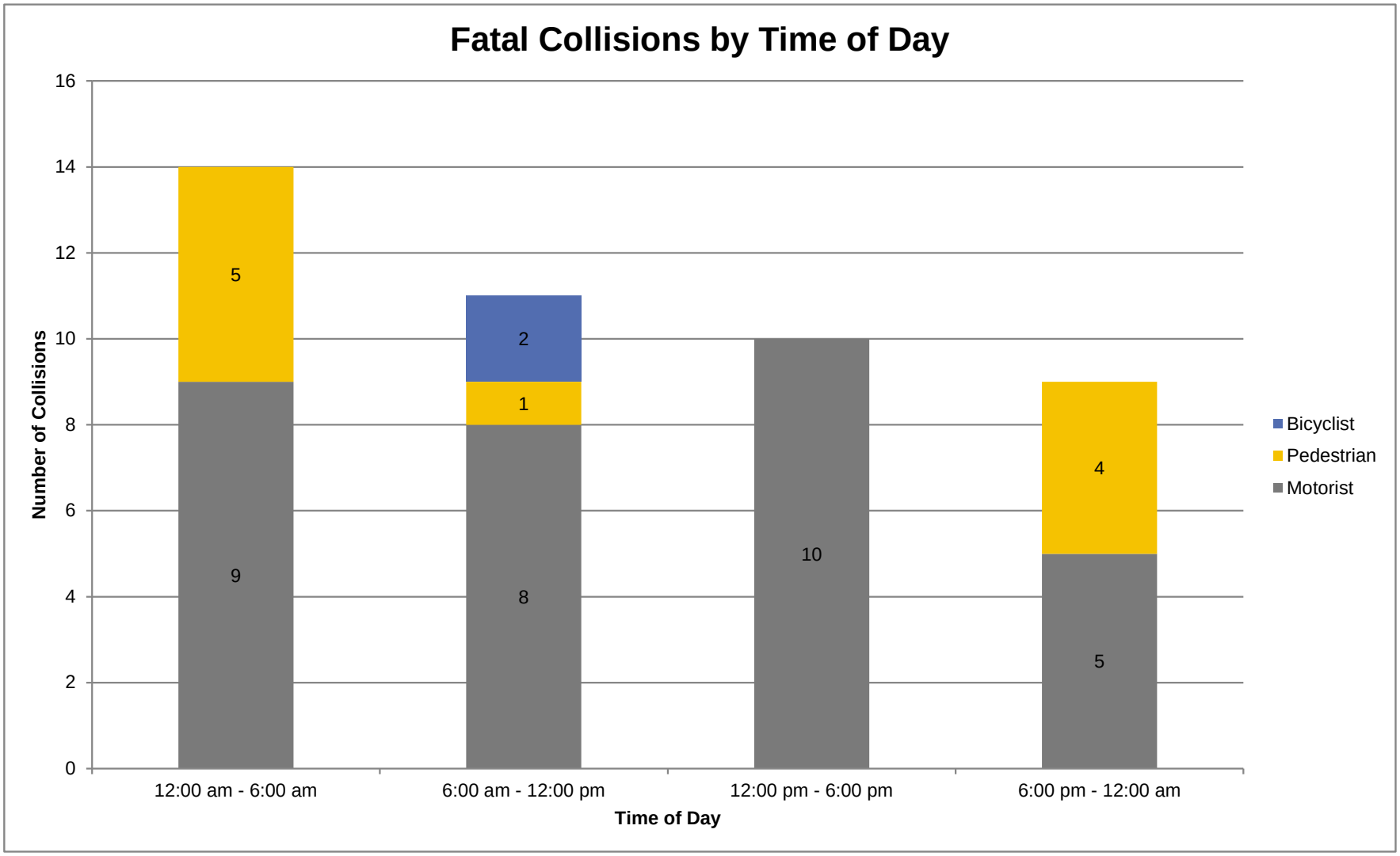
* Fatal collisions considered reportable for the CDOT Annual Report. Number may vary from Charlotte-Mecklenburg Police Department listings because the data presented in this report does not include collisions that occurred on the Interstate highways (I-77, I-277, I-85, and I-485) or collisions that occur within private lots and parking areas. The 44 fatal collisions resulted in 46 fatalities.

Primary Contributing Circumstances	Total Collisions	Percent of Total
Undetermined*	6,090	22.0%
Inattention	4,797	17.4%
No contributing circumstances indicated	3,750	13.6%
Failure to reduce speed	3,196	11.6%
Failed to yield right of way	2,818	10.2%
Unable to determine	931	3.4%
Followed too closely	759	2.7%
Improper turn	708	2.6%
Improper lane change	656	2.4%
Disregarded traffic signals	595	2.2%
Other improper passing	385	1.4%
Exceeded safe speed for conditions	354	1.3%
Alcohol use	278	1.0%
Overcorrected/oversteered	244	0.9%
Improper backing	243	0.9%
Unknown	228	0.8%
Crossed centerline/going wrong way	177	0.6%
Operated vehicle in erratic, reckless, carless, negligent or aggressive manner	154	0.6%
Exceed authorized speed limit	147	0.5%
Disregarded stop sign	139	0.5%
Swerved or avoided due to wind, slipper surface, vehicle, object, non-motorist	128	0.5%
Visibility obstructed	127	0.5%
Other improper passing	124	0.4%
Operated defective equipment	95	0.3%
Disregarded other traffic signs	72	0.3%
Disregarded road markings	71	0.3%
Driver distracted by other inside the vehicle	69	0.2%
Use of improper lane	68	0.2%
Driver distracted by electronic communication device (cell phone, texting, etc.)	67	0.2%
Driver distracted by external distraction (outside the vehicle)	45	0.2%
Improper parking	33	0.1%
Driver distracted by other electronic device (navigation device, DVD player, etc.)	31	0.1%
Improper or no signal	18	0.1%
Disregarded yield sign	16	0.1%
Drug use	16	0.1%
Right turn on red	10	0.0%
Passed stopped school bus	3	0.0%
Passed on hill	3	0.0%
Passed on curve	3	0.0%
Total	27,648	100.0%
*6,090 records in the CDOT database do not have a contributing circumstance associated.		

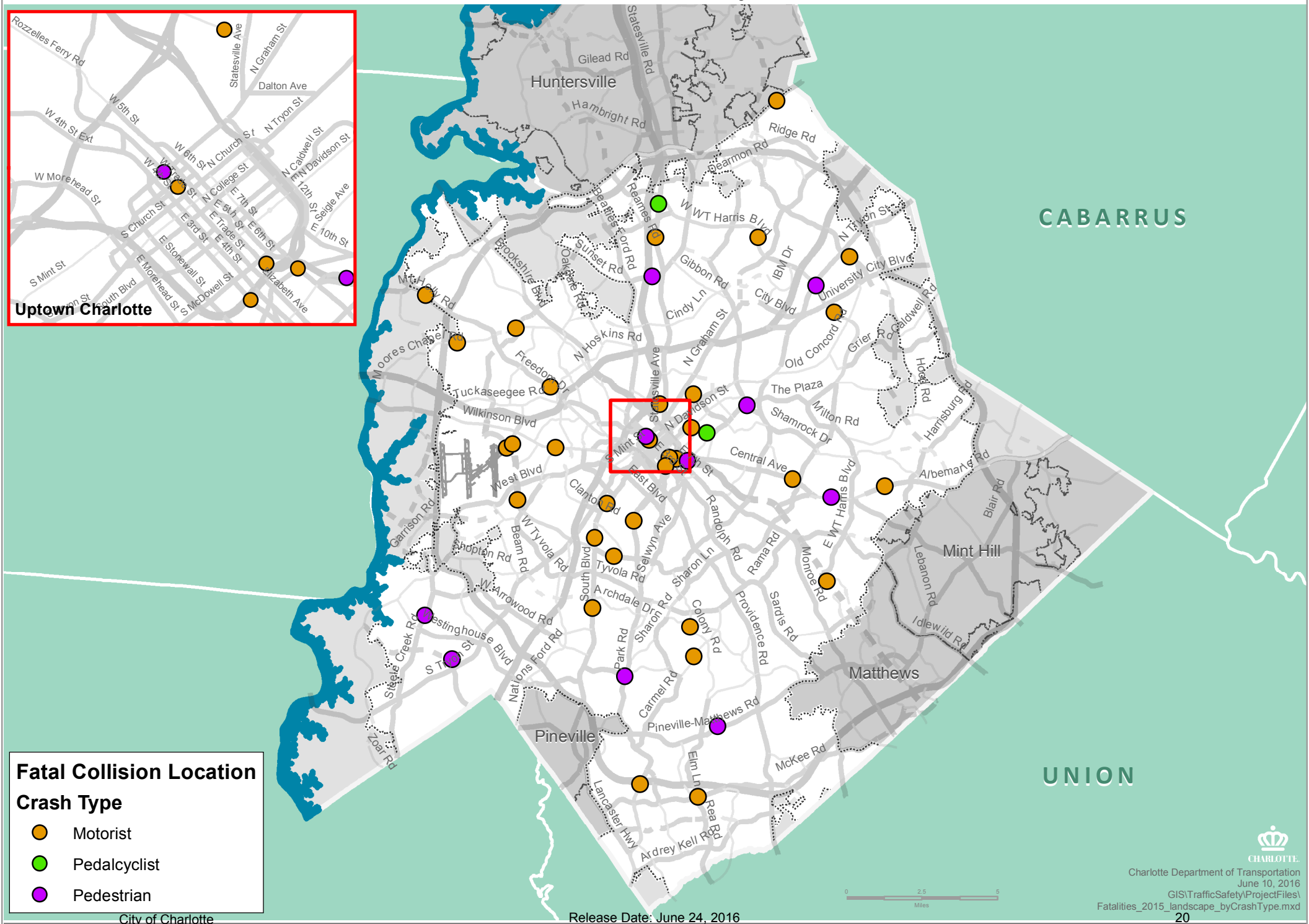

Fatal Collision Type
Angle, 5
Rear end, 1
Overturn/Rollover, 2
Head-on, 9
Left turn different roadway, 2
Bicyclist, 2
Left turn same roadway, 2
Pedestrian, 10
Departed Roadway/Fixed Object, 11


Fatal Collisions - Seatbelt Use
No
38%
Yes
62%


Fatal Collision Speeds
Speed unknown
5%
>20 MPH over the speed limit
27%
At/Under the speed limit
50%
11-20 MPH over the speed limit
11%
5-10 MPH over the speed limit
7%


Fatal Collisions by Time of Day
16
14
12
10
8
6
4
2
0
Number of Collisions
5
9
2
1
8
10
4
5
12:00 am - 6:00 am
6:00 am - 12:00 pm
12:00 pm - 6:00 pm
6:00 pm - 12:00 am
Time of Day
Bicyclist
Pedestrian
Motorist

2015 Fatal Collision by Location



City of Charlotte
2015 Collision Data

Release Date: June 24, 2016

Motorist

Motorist Crash Rates by Vehicle Miles Traveled						
YEAR	Total Motorist Only Crashes	Motorist Fatalities	Vehicle Miles Traveled	Motorist Crash Rate Per Million Vehicle Miles	Motorist Fatality Rate Per Million Vehicle Miles	Total Fatal Crashes
2002	23805	20	17,699,261	1344.97	1.13	48
2003	22960	43	18,583,633	1235.50	2.31	53
2004	21532	30	20,095,648	1071.48	1.49	39
2005	18525	40	22,412,325	826.55	1.78	51
2006	19570	47	22,343,242	875.88	2.10	63
2007	21822	40	22,516,834	969.14	1.78	52
2008	21942	29	22,051,666	995.03	1.32	42
2009	17268	28	20,333,841	849.22	1.38	40
2010	15399	14	19,717,761	780.97	0.71	29
2011	14705	20	19,101,681	769.83	1.05	38
2012	14103	22	19,552,898	721.27	1.13	44
2013	20539	32	19,753,300	1039.78	1.62	43
2014	22412	31	20,211,400	1108.88	1.53	39
2015	27126	29	22,268,500	1218.13	1.30	44

Motorist Crash Rates by Population						
YEAR	Total Motorist Only Crashes	Motorist Fatalities	Population	Motorist Crash Rate Per 10,000 Persons	Motorist Fatality Rate Per 10,000 Persons	Total Fatal Crashes
2002	23805	20	579,684	410.65	0.35	48
2003	22960	43	594,176	386.42	0.72	53
2004	21532	30	614,330	350.50	0.49	39
2005	18525	40	632,760	292.77	0.63	51
2006	19570	47	640,270	305.65	0.73	63
2007	21822	40	664,342	328.48	0.60	52
2008	21942	29	674,752	325.19	0.43	42
2009	17268	28	692,097	249.50	0.40	40
2010	15399	14	731,424	210.53	0.19	29
2011	14705	20	750,124	196.03	0.27	38
2012	14103	22	772,627	182.53	0.28	44
2013	20539	32	796,921	257.73	0.40	43
2014	22412	31	809,958	276.71	0.38	39
2015	27126	29	827,097	327.97	0.35	44

PEDESTRIAN

Pedestrian Crash Rates by Vehicle Miles Traveled						
YEAR	Total Pedestrian Crashes	Pedestrian Fatalities	Vehicle Miles Traveled	Pedestrian Crash Rate Per Million Vehicle Miles	Pedestrian Fatality Rate Per Million Vehicle Miles	Total Fatal Crashes
2002	234	17	17,699,261	13.22	0.96	48
2003	271	8	18,583,633	14.58	0.43	53
2004	223	8	20,095,648	11.10	0.40	39
2005	198	7	22,412,325	8.83	0.31	51
2006	230	15	22,343,242	10.29	0.67	63
2007	311	11	22,516,834	13.81	0.49	52
2008	345	9	22,051,666	15.65	0.41	42
2009	297	11	20,333,841	14.61	0.54	40
2010	305	13	19,717,761	15.47	0.66	29
2011	352	18	19,101,681	18.43	0.94	38
2012	299	21	19,552,898	15.29	1.07	44
2013	317	9	19,753,300	16.05	0.46	43
2014	371	7	20,211,400	18.36	0.35	39
2015	372	10	22,268,500	16.71	0.45	44

Pedestrian Crash Rates by Population						
YEAR	Total Pedestrian Crashes	Pedestrian Fatalities	Population	Pedestrian Crash Rate Per 10,000 Persons	Pedestrian Fatality Rate Per 10,000 Persons	Total Fatal Crashes
2002	234	17	579,684	4.04	0.29	48
2003	271	8	594,176	4.56	0.13	53
2004	223	8	614,330	3.63	0.13	39
2005	198	7	632,760	3.13	0.11	51
2006	230	15	640,270	3.59	0.23	63
2007	311	11	664,342	4.68	0.17	52
2008	345	9	674,752	5.11	0.13	42
2009	297	11	692,097	4.29	0.16	40
2010	305	13	731,424	4.17	0.18	29
2011	352	18	750,124	4.69	0.24	38
2012	299	21	772,627	3.87	0.27	44
2013	317	9	796,921	3.98	0.11	43
2014	371	7	809,958	4.58	0.09	39
2015	372	10	827,097	4.50	0.12	44

BICYCLIST

Bicycle Crash Rates by Vehicle Miles Traveled						
YEAR	Total Bicycle Crashes	Bicycle Fatalities	Vehicle Miles Traveled	Bicycle Crash Rate Per Million Vehicle Miles	Bicycle Fatality Rate Per Million Vehicle Miles	Total Fatal Crashes
2002	98	1	17,699,261	5.54	0.06	48
2003	71	2	18,583,633	3.82	0.11	53
2004	105	1	20,095,648	5.23	0.05	39
2005	79	4	22,412,325	3.52	0.18	51
2006	92	1	22,343,242	4.12	0.04	63
2007	91	1	22,516,834	4.04	0.04	52
2008	114	4	22,051,666	5.17	0.18	42
2009	83	1	20,333,841	4.08	0.05	40
2010	95	2	19,717,761	4.82	0.10	29
2011	90	0	19,101,681	4.71	0.00	38
2012	112	1	19,552,898	5.73	0.05	44
2013	101	2	19,753,300	5.11	0.10	43
2014	140	1	20,211,400	6.93	0.05	39
2015	150	2	22,268,500	6.74	0.09	44

Bicycle Crash Rates by Population						
YEAR	Total Bicycle Crashes	Bicycle Fatalities	Population	Bicycle Crash Rate Per 10,000 Persons	Bicycle Fatality Rate Per 10,000 Persons	Total Fatal Crashes
2002	98	1	579,684	1.69	0.02	48
2003	71	2	594,176	1.19	0.03	53
2004	105	1	614,330	1.71	0.02	39
2005	79	4	632,760	1.25	0.06	51
2006	92	1	640,270	1.44	0.02	63
2007	91	1	664,342	1.37	0.02	52
2008	114	4	674,752	1.69	0.06	42
2009	83	1	692,097	1.20	0.01	40
2010	95	2	731,424	1.30	0.03	29
2011	90	0	750,124	1.20	0.00	38
2012	112	1	772,627	1.45	0.01	44
2013	101	2	796,921	1.27	0.03	43
2014	140	1	809,958	1.73	0.01	39
2015	150	2	827,097	1.81	0.02	44

2016 High Accident Location (HAL) List

CDOT releases the annual HAL list to accomplish multiple goals. The first goal of releasing the HAL is to prioritize and identify locations that can benefit from spot safety improvements that will reduce the number of collisions. The list is also used to support the ranking and prioritization needs of many transportation related programs. In addition by releasing this list to the public, it is intended to heighten road user awareness of locations that have an elevated collision rate.

HAL Calculation Methodology

The calculation for the HAL is as follows;

Step 1. Select all intersections with 15 or more collisions in a 3 year period

Step 2. Select any intersections not identified above having 5 or more collisions with 75% occurring in the current year (2014).

Step 3. Calculate collision rates for all intersections meeting above criteria.

$$(C*1{,}000{,}000)/(V*N*365)$$

where;

C= 3 years' collisions

V= Intersection Volume

N= Number of years

Step 4. Determine HAL cutoff, should be an even number and allow for at least 50 locations.

Year	HAL Cutoff	Number of Locations on the List
2016	1.30	98
2015	1.20	83
2014	1.20	66
2013	1.20	65
2012	1.10	87
2011	1.10	96
2010	1.10	116
2009	1.20	136
2008	1.30	130

Two versions of the HAL list are presented on the following pages: rank order and alphabetical by street name.

ID	Location	2013	2014	2015	3-Year Total	ADT	Crash Rate per Million Vehicle Miles Traveled	Rank	Prior Year Rank	Notes
12721	S CHURCH ST & W HILL ST_W JOHN BELK RA	11	12	7	30	9,800	2.80	1	2	Jan. 2015 - signs & markings
7195	REAGAN DR & TOM HUNTER RD	4	10	14	28	9,300	2.75	2	33	
11956	E 9TH ST & N COLLEGE ST	8	8	6	22	7,600	2.64	3	3	2013 - backplates added
8847	E SUGAR CREEK RD & N TRYON ST_W SUGAR CREEK RD	43	64	62	169	64,000	2.41	4	7	
12038	E 8TH ST & N COLLEGE ST	2	7	7	16	6,100	2.40	5	1	2013 - signs & markings
12135	E 7TH ST & N COLLEGE ST	13	11	13	37	14,400	2.35	6	5	
8515	ATANDO AV & STATESVILLE AV	22	22	36	80	31,300	2.33	7	26	
12089	E 12TH ST & N DAVIDSON ST	15	17	22	54	22,300	2.21	8	19	
11625	E 11TH ST & N COLLEGE ST	23	13	22	58	24,000	2.21	9	17	2013 - backplates & signs added
13600	3RD-4TH CONNECTOR ST & E 4TH ST_N KINGS DR_S KINGS DR	34	42	34	110	46,100	2.18	10	6	under consideration for split phase
4698	LAWING RD & MIRANDA RD_OAKDALE RD_SUNSET RD	8	10	8	26	11,400	2.08	11	18	
21514	E ARROWOOD RD & NATIONS FORD RD_W ARROWOOD RD	16	22	19	57	25,200	2.07	12	22	Intersection improvement project
10100	ASHLEY RD & FREEDOM DR_TUCKASEEGEE RD	23	26	43	92	40,900	2.05	13	21	
4866	E MALLARD CREEK CHURCH RD & N TRYON ST_W MALLARD CREEK CHURCH RD	32	42	43	117	52,200	2.05	14	29	
15542	CLANTON RD & N I-77 TO CLANTON RD RA NB	16	14	16	46	20,800	2.02	15	38	
7380	REAGAN DR & W SUGAR CREEK RD	33	33	46	112	51,000	2.01	16	12	
5704	E W T HARRIS BV & N TRYON ST_W W T HARRIS BV	52	40	68	160	73,800	1.98	17	32	
6621	MINERAL SPRINGS RD & NEAL RD	2	6	6	14	6,600	1.94	18	Not Ranked	
12937	E W T HARRIS BV & HICKORY GROVE RD	26	37	46	109	52,100	1.91	19	37	
13667	E 7TH ST & HAWTHORNE LN	23	19	20	62	30,000	1.89	20	30	
13912	CHARLOTTETOWNE AV & E JOHN BELK RA_KENILWORTH AV	40	31	35	106	51,400	1.88	21	16	2015 backplates added
4061	DAVID COX RD & LAKEVIEW RD_OLD STATESVILLE RD	16	11	11	38	18,800	1.85	22	9	Intersection improvement projec/traffic signal project funded
12775	E 4TH ST & S CALDWELL ST	20	16	11	47	23,400	1.83	23	20	
15195	ALBEMARLE RD & FARM POND LN	33	43	36	112	56,100	1.82	24	27	
12186	E 11TH ST & E BROOKSHIRE FR RA_N DAVIDSON ST	12	16	12	40	20,100	1.82	25	24	Replaced signal heads + backplates
7554	BACK CREEK CHURCH RD & ROCKY RIVER RD	7	9	11	27	13,600	1.81	26	61	
13517	BILLY GRAHAM PY & MORRIS FIELD DR	31	32	32	95	47,900	1.81	27	44	
13763	CENTRAL AV & EASTWAY DR	36	37	39	112	57,300	1.79	28	36	
9768	EASTWAY DR & THE PLAZA	29	33	39	101	51,900	1.78	29	52	
17273	BILLY GRAHAM PY & S TRYON ST_W WOODLAWN RD	43	31	44	118	60,700	1.78	30	57	
15287	ALBEMARLE RD & N SHARON AMITY RD	37	53	46	136	70,200	1.77	31	25	
49037	I-485 RA & MOUNT HOLLY RD	5	11	16	32	16,600	1.76	32	54	
11693	E 12TH ST & N COLLEGE ST	7	5	3	15	7,800	1.76	33	4	
6473	MINERAL SPRINGS RD & N GRAHAM ST_W SUGAR CREEK RD	14	21	31	66	34,900	1.73	34	82	
11262	EASTWAY DR & FRONTENAC AV_SHAMROCK DR	29	29	36	94	50,400	1.70	35	72	
15253	ALBEMARLE RD & E W T HARRIS BV	43	39	55	137	73,800	1.70	36	58	
8329	BEATTIES FORD RD & LASALLE ST	17	13	23	53	28,800	1.68	37	15	
9440	BRADFORD DR & EDGEWOOD RD_FREEDOM DR	17	10	19	46	25,000	1.68	38	Not Ranked	
19825	BROWN-GRIER RD & SANDY PORTER RD_W ARROWOOD RD	6	19	13	38	20,700	1.68	39	70	
12260	E 9TH ST & N CALDWELL ST	4	3	4	11	6,000	1.67	40	Not Ranked	
11237	N I-77 EXIT 10B RA & W TRADE ST	13	15	11	39	21,300	1.67	41	31	2015 - backplates added
5454	BACK CREEK CHURCH RD & PAVILION BV_UNIVERSITY CITY BV	38	33	39	110	60,100	1.67	42	60	
24904	PINEVILLE-MATTHEWS RD & PROVIDENCE RD	42	44	40	126	69,200	1.66	43	46	
5714	JOHN KIRK DR & UNIVERSITY CITY BV	28	23	48	99	54,400	1.66	44	Not Ranked	
23292	RIVERBIRCH DR & SHARON LAKES RD_SHARON RD WEST	11	9	19	39	21,600	1.65	45	Not Ranked	
10622	MULBERRY CHURCH RD & QUEEN CITY DR	11	7	14	32	17,800	1.64	46	69	
12076	N CHURCH ST & W 5TH ST	10	11	9	30	16,800	1.63	47	23	Backplates & near side signal aded

ID	Location	2013	2014	2015	3-Year Total	ADT	Crash Rate per Million Vehicle Miles Traveled	Rank	Prior Year Rank	Notes
11071	W TRADE ST & WESLEY HEIGHTS WY	6	8	12	26	14,600	1.63	48	Not Ranked	
15201	ALBEMARLE RD & LAWYERS RD	29	31	35	95	53,400	1.62	49	78	
12265	S CHURCH ST & W 4TH ST	6	11	19	36	20,300	1.62	50	Not Ranked	
24549	I-485 RA & SOUTH BV	30	27	25	82	46,300	1.62	51	39	
14442	CENTRAL AV & N SHARON AMITY RD	30	38	44	112	63,400	1.61	52	43	
5525	J W CLAY BV & MCCULLOUGH DR_W W T HARRIS BV	40	39	42	121	68,700	1.61	53	47	
11349	N DAVIDSON ST & PARKWOOD AV	11	15	23	49	28,200	1.59	54	81	
5672	BEATTIES FORD RD & SUNSET RD	15	21	31	67	39,000	1.57	55	Not Ranked	
13343	CHARLOTTETOWNE AV & E 7TH ST_E INDEPENDENCE BV	18	13	20	51	29,700	1.57	56	76	
11311	MILTON RD & N SHARON AMITY RD	18	19	17	54	31,600	1.56	57	41	
51371	N SHOPPING CENTER DR & N TRYON ST_UNIVERSITY POINTE BV	21	18	21	60	35,200	1.56	58	42	
15243	ALBEMARLE RD & REGAL OAKS DR	28	27	39	94	55,700	1.54	59	Not Ranked	
11974	E 11TH ST & E BROOKSHIRE FR RA_N BREVARD ST	7	14	16	37	22,300	1.52	60	Not Ranked	
12863	E 3RD ST & S CALDWELL ST	14	8	11	33	20,200	1.49	61	50	
15998	E INDEPENDENCE BV & N SHARON AMITY RD	39	41	59	139	85,100	1.49	62	Not Ranked	
12542	ASHLEY RD & WILKINSON BV	25	18	36	79	48,400	1.49	63	Not Ranked	
10162	E SUGAR CREEK RD & THE PLAZA	11	37	25	73	44,800	1.49	64	66	
8193	E W T HARRIS BV & GRIER RD	29	31	37	97	59,800	1.48	65	74	
12806	E STONEWALL ST & S COLLEGE ST	15	10	10	35	21,700	1.47	66	53	
14213	CENTRAL AV & ROSEHAVEN DR	13	15	21	49	30,800	1.45	67	Not Ranked	
7441	W SUGAR CREEK RD & WILSON LN	9	10	9	28	17,600	1.45	68	68	
10795	CLEMSON AV & MATHESON AV	2	6	12	20	12,700	1.44	69	Not Ranked	
7701	NEWELL-HICKORY GROVE RD & OLD CONCORD RD	7	4	6	17	10,800	1.44	70	Not Ranked	
7728	COUNTRYSIDE DR & W ARROWHEAD DR	3	1	4	8	5,100	1.43	71	Not Ranked	
11979	E 12TH ST & E BROOKSHIRE FR RA_N CALDWELL ST	5	12	22	39	24,900	1.43	72	Not Ranked	
25815	PINEVILLE-MATTHEWS RD & REA RD	32	32	33	97	62,500	1.42	73	71	
7770	E ARROWHEAD DR & N TRYON ST_W ARROWHEAD DR	13	15	35	63	40,600	1.42	74	Not Ranked	
7969	BROOKSHIRE BV & N HOSKINS RD	27	28	34	89	57,500	1.41	75	Not Ranked	
20563	FARMHURST DR & NATIONS FORD RD	3	16	15	34	22,000	1.41	76	Not Ranked	
11164	CAMP GREENE ST & FREEDOM DR	15	19	15	49	31,800	1.41	77	59	
11232	BARRINGTON DR & MILTON RD	8	7	13	28	18,200	1.40	78	65	
11488	N CHURCH ST & W 12TH ST_W BROOKSHIRE RA	5	5	10	20	13,000	1.40	79	Not Ranked	
7885	BEATTIES FORD RD & GILBERT ST_MONTANA DR	7	15	20	42	27,300	1.40	80	Not Ranked	
18844	NATIONS FORD RD & TYVOLA RD_W TYVOLA RD	17	13	18	48	31,200	1.40	81	Not Ranked	
12711	E STONEWALL ST & S TRYON ST_W STONEWALL ST	15	6	9	30	19,600	1.40	82	Not Ranked	
7373	TOM HUNTER RD & WHITE PLAINS RD	0	3	10	13	8,500	1.40	83	Not Ranked	
48159	ALEXANDERANA RD & MT HOLLY-HUNTERSVILLE RD_NORTHLAKE CENTRE PY	2	9	10	21	13,800	1.39	84	Not Ranked	
12413	E 6TH ST & N BREVARD ST	3	3	10	16	10,600	1.38	85	Not Ranked	
10276	ASHLEY RD & TUCKASEEGEE RD	10	12	18	40	26,600	1.37	86	Not Ranked	
4973	MALLARD CREEK RD & W W T HARRIS BV	28	28	34	90	59,900	1.37	87	Not Ranked	
9607	E SUGAR CREEK RD & N DAVIDSON ST	8	16	12	36	24,000	1.37	88	63	
12013	FREEDOM DR & W MOREHEAD ST	19	21	24	64	42,800	1.37	89	Not Ranked	
10749	ALLEGHANY ST & FREEDOM DR	12	15	19	46	30,800	1.36	90	Not Ranked	
21549	S TRYON ST & SANDY PORTER RD	20	23	36	79	53,000	1.36	91	Not Ranked	
19953	ARCHDALE DR & OLD PINEVILLE RD	6	16	11	33	22,300	1.35	92	Not Ranked	
7375	N TRYON ST & TOM HUNTER RD	18	11	22	51	34,500	1.35	93	Not Ranked	
5528	N I-77 EXIT 16 RA & SUNSET RD	12	13	11	36	24,500	1.34	94	Not Ranked	
5421	OLD STATESVILLE RD & STATESVILLE RD_SUNSET RD	16	15	37	68	47,000	1.32	95	Not Ranked	

ID	Location	2013	2014	2015	3-Year Total	ADT	Crash Rate per Million Vehicle Miles Traveled	Rank	Prior Year Rank	Notes
12517	N SHARON AMITY RD & SHAMROCK DR	12	18	25	55	38,400	1.31	96	Not Ranked	
13985	CAMDEN RD & EAST BV WEST BV	10	9	14	33	23,100	1.30	97	64	
20439	FAIRVIEW RD & SHARON RD	30	40	37	107	74,900	1.30	98	Not Ranked	

ID	Location	2013	2014	2015	3-Year Total	ADT	Crash Rate per Million Vehicle Miles Traveled	Rank	Prior Year Rank	Notes
13600	3RD-4TH CONNECTOR ST & E 4TH ST_N KINGS DR_S KINGS DR	34	42	34	110	46,100	2.18	10	6	under consideration for split phase
15253	ALBEMARLE RD & E W T HARRIS BV	43	39	55	137	73,800	1.70	36	58	
15195	ALBEMARLE RD & FARM POND LN	33	43	36	112	56,100	1.82	24	27	
15201	ALBEMARLE RD & LAWYERS RD	29	31	35	95	53,400	1.62	49	78	
15287	ALBEMARLE RD & N SHARON AMITY RD	37	53	46	136	70,200	1.77	31	25	
15243	ALBEMARLE RD & REGAL OAKS DR	28	27	39	94	55,700	1.54	59	Not Ranked	
48159	ALEXANDERANA RD & MT HOLLY-HUNTERSVILLE RD_NORTHLAKE CENTRE PY	2	9	10	21	13,800	1.39	84	Not Ranked	
10749	ALLEGHANY ST & FREEDOM DR	12	15	19	46	30,800	1.36	90	Not Ranked	
19953	ARCHDALE DR & OLD PINEVILLE RD	6	16	11	33	22,300	1.35	92	Not Ranked	
10100	ASHLEY RD & FREEDOM DR_TUCKASEEGEE RD	23	26	43	92	40,900	2.05	13	21	
10276	ASHLEY RD & TUCKASEEGEE RD	10	12	18	40	26,600	1.37	86	Not Ranked	
12542	ASHLEY RD & WILKINSON BV	25	18	36	79	48,400	1.49	63	Not Ranked	
8515	ATANDO AV & STATESVILLE AV	22	22	36	80	31,300	2.33	7	26	
5454	BACK CREEK CHURCH RD & PAVILION BV_UNIVERSITY CITY BV	38	33	39	110	60,100	1.67	42	60	
7554	BACK CREEK CHURCH RD & ROCKY RIVER RD	7	9	11	27	13,600	1.81	26	61	
11232	BARRINGTON DR & MILTON RD	8	7	13	28	18,200	1.40	78	65	
7885	BEATTIES FORD RD & GILBERT ST_MONTANA DR	7	15	20	42	27,300	1.40	80	Not Ranked	
8329	BEATTIES FORD RD & LASALLE ST	17	13	23	53	28,800	1.68	37	15	
5672	BEATTIES FORD RD & SUNSET RD	15	21	31	67	39,000	1.57	55	Not Ranked	
13517	BILLY GRAHAM PY & MORRIS FIELD DR	31	32	32	95	47,900	1.81	27	44	
17273	BILLY GRAHAM PY & S TRYON ST_W WOODLAWN RD	43	31	44	118	60,700	1.78	30	57	
9440	BRADFORD DR & EDGEWOOD RD_FREEDOM DR	17	10	19	46	25,000	1.68	38	Not Ranked	
7969	BROOKSHIRE BV & N HOSKINS RD	27	28	34	89	57,500	1.41	75	Not Ranked	
19825	BROWN-GRIER RD & SANDY PORTER RD_W ARROWOOD RD	6	19	13	38	20,700	1.68	39	70	
13985	CAMDEN RD & EAST BV_WEST BV	10	9	14	33	23,100	1.30	97	64	
11164	CAMP GREENE ST & FREEDOM DR	15	19	15	49	31,800	1.41	77	59	
13763	CENTRAL AV & EASTWAY DR	36	37	39	112	57,300	1.79	28	36	
14442	CENTRAL AV & N SHARON AMITY RD	30	38	44	112	63,400	1.61	52	43	
14213	CENTRAL AV & ROSEHAVEN DR	13	15	21	49	30,800	1.45	67	Not Ranked	
13343	CHARLOTTETOWNE AV & E 7TH ST_E INDEPENDENCE BV	18	13	20	51	29,700	1.57	56	76	
13912	CHARLOTTETOWNE AV & E JOHN BELK RA_KENILWORTH AV	40	31	35	106	51,400	1.88	21	16	2015 backplates added
15542	CLANTON RD & N I-77 TO CLANTON RD RA NB	16	14	16	46	20,800	2.02	15	38	
10795	CLEMSON AV & MATHESON AV	2	6	12	20	12,700	1.44	69	Not Ranked	
7728	COUNTRYSIDE DR & W ARROWHEAD DR	3	1	4	8	5,100	1.43	71	Not Ranked	
4061	DAVID COX RD & LAKEVIEW RD_OLD STATESVILLE RD	16	11	11	38	18,800	1.85	22	9	Intersection improvement projec/traffic signal project funded
11974	E 11TH ST & E BROOKSHIRE FR RA_N BREVARD ST	7	14	16	37	22,300	1.52	60	Not Ranked	
12186	E 11TH ST & E BROOKSHIRE FR RA_N DAVIDSON ST	12	16	12	40	20,100	1.82	25	24	Replaced signal heads + backplates
11625	E 11TH ST & N COLLEGE ST	23	13	22	58	24,000	2.21	9	17	2013 - backplates & signs added
11979	E 12TH ST & E BROOKSHIRE FR RA_N CALDWELL ST	5	12	22	39	24,900	1.43	72	Not Ranked	
11693	E 12TH ST & N COLLEGE ST	7	5	3	15	7,800	1.76	33	4	
12089	E 12TH ST & N DAVIDSON ST	15	17	22	54	22,300	2.21	8	19	
12863	E 3RD ST & S CALDWELL ST	14	8	11	33	20,200	1.49	61	50	
12775	E 4TH ST & S CALDWELL ST	20	16	11	47	23,400	1.83	23	20	
12413	E 6TH ST & N BREVARD ST	3	3	10	16	10,600	1.38	85	Not Ranked	
13667	E 7TH ST & HAWTHORNE LN	23	19	20	62	30,000	1.89	20	30	
12135	E 7TH ST & N COLLEGE ST	13	11	13	37	14,400	2.35	6	5	
12038	E 8TH ST & N COLLEGE ST	2	7	7	16	6,100	2.40	5	1	2013 - signs & markings

ID	Location	2013	2014	2015	3-Year Total	ADT	Crash Rate per Million Vehicle Miles Traveled	Rank	Prior Year Rank	Notes
12260	E 9TH ST & N CALDWELL ST	4	3	4	11	6,000	1.67	40	Not Ranked	
11956	E 9TH ST & N COLLEGE ST	8	8	6	22	7,600	2.64	3	3	2013 - backplates added
7770	E ARROWHEAD DR & N TRYON ST_W ARROWHEAD DR	13	15	35	63	40,600	1.42	74	Not Ranked	
21514	E ARROWOOD RD & NATIONS FORD RD_W ARROWOOD RD	16	22	19	57	25,200	2.07	12	22	Intersection improvement project
15998	E INDEPENDENCE BV & N SHARON AMITY RD	39	41	59	139	85,100	1.49	62	Not Ranked	
4866	E MALLARD CREEK CHURCH RD & N TRYON ST_W MALLARD CREEK CHURCH RD	32	42	43	117	52,200	2.05	14	29	
12806	E STONEWALL ST & S COLLEGE ST	15	10	10	35	21,700	1.47	66	53	
12711	E STONEWALL ST & S TRYON ST_W STONEWALL ST	15	6	9	30	19,600	1.40	82	Not Ranked	
9607	E SUGAR CREEK RD & N DAVIDSON ST	8	16	12	36	24,000	1.37	88	63	
8847	E SUGAR CREEK RD & N TRYON ST_W SUGAR CREEK RD	43	64	62	169	64,000	2.41	4	7	
10162	E SUGAR CREEK RD & THE PLAZA	11	37	25	73	44,800	1.49	64	66	
8193	E W T HARRIS BV & GRIER RD	29	31	37	97	59,800	1.48	65	74	
12937	E W T HARRIS BV & HICKORY GROVE RD	26	37	46	109	52,100	1.91	19	37	
5704	E W T HARRIS BV & N TRYON ST_W W T HARRIS BV	52	40	68	160	73,800	1.98	17	32	
11262	EASTWAY DR & FRONTENAC AV_SHAMROCK DR	29	29	36	94	50,400	1.70	35	72	
9768	EASTWAY DR & THE PLAZA	29	33	39	101	51,900	1.78	29	52	
20439	FAIRVIEW RD & SHARON RD	30	40	37	107	74,900	1.30	98	Not Ranked	
20563	FARMHURST DR & NATIONS FORD RD	3	16	15	34	22,000	1.41	76	Not Ranked	
12013	FREEDOM DR & W MOREHEAD ST	19	21	24	64	42,800	1.37	89	Not Ranked	
49037	I-485 RA & MOUNT HOLLY RD	5	11	16	32	16,600	1.76	32	54	
24549	I-485 RA & SOUTH BV	30	27	25	82	46,300	1.62	51	39	
5525	J W CLAY BV & MCCULLOUGH DR_W W T HARRIS BV	40	39	42	121	68,700	1.61	53	47	
5714	JOHN KIRK DR & UNIVERSITY CITY BV	28	23	48	99	54,400	1.66	44	Not Ranked	
4698	LAWING RD & MIRANDA RD_OAKDALE RD_SUNSET RD	8	10	8	26	11,400	2.08	11	18	
4973	MALLARD CREEK RD & W W T HARRIS BV	28	28	34	90	59,900	1.37	87	Not Ranked	
11311	MILTON RD & N SHARON AMITY RD	18	19	17	54	31,600	1.56	57	41	
6473	MINERAL SPRINGS RD & N GRAHAM ST_W SUGAR CREEK RD	14	21	31	66	34,900	1.73	34	82	
6621	MINERAL SPRINGS RD & NEAL RD	2	6	6	14	6,600	1.94	18	Not Ranked	
10622	MULBERRY CHURCH RD & QUEEN CITY DR	11	7	14	32	17,800	1.64	46	69	
11488	N CHURCH ST & W 12TH ST_W BROOKSHIRE RA	5	5	10	20	13,000	1.40	79	Not Ranked	
12076	N CHURCH ST & W 5TH ST	10	11	9	30	16,800	1.63	47	23	Backplates & near side signal aded
11349	N DAVIDSON ST & PARKWOOD AV	11	15	23	49	28,200	1.59	54	81	
11237	N I-77 EXIT 10B RA & W TRADE ST	13	15	11	39	21,300	1.67	41	31	2015 - backplates added
5528	N I-77 EXIT 16 RA & SUNSET RD	12	13	11	36	24,500	1.34	94	Not Ranked	
12517	N SHARON AMITY RD & SHAMROCK DR	12	18	25	55	38,400	1.31	96	Not Ranked	
51371	N SHOPPING CENTER DR & N TRYON ST_UNIVERSITY POINTE BV	21	18	21	60	35,200	1.56	58	42	
7375	N TRYON ST & TOM HUNTER RD	18	11	22	51	34,500	1.35	93	Not Ranked	
18844	NATIONS FORD RD & TYVOLA RD_W TYVOLA RD	17	13	18	48	31,200	1.40	81	Not Ranked	
7701	NEWELL-HICKORY GROVE RD & OLD CONCORD RD	7	4	6	17	10,800	1.44	70	Not Ranked	
5421	OLD STATESVILLE RD & STATESVILLE RD_SUNSET RD	16	15	37	68	47,000	1.32	95	Not Ranked	
24904	PINEVILLE-MATTHEWS RD & PROVIDENCE RD	42	44	40	126	69,200	1.66	43	46	
25815	PINEVILLE-MATTHEWS RD & REA RD	32	32	33	97	62,500	1.42	73	71	
7195	REAGAN DR & TOM HUNTER RD	4	10	14	28	9,300	2.75	2	33	
7380	REAGAN DR & W SUGAR CREEK RD	33	33	46	112	51,000	2.01	16	12	
23292	RIVERBIRCH DR & SHARON LAKES RD_SHARON RD WEST	11	9	19	39	21,600	1.65	45	Not Ranked	
12265	S CHURCH ST & W 4TH ST	6	11	19	36	20,300	1.62	50	Not Ranked	
12721	S CHURCH ST & W HILL ST_W JOHN BELK RA	11	12	7	30	9,800	2.80	1	2	Jan. 2015 - signs & markings
21549	S TRYON ST & SANDY PORTER RD	20	23	36	79	53,000	1.36	91	Not Ranked	

ID	Location	2013	2014	2015	3-Year Total	ADT	Crash Rate per Million Vehicle Miles Traveled	Rank	Prior Year Rank	Notes
7373	TOM HUNTER RD & WHITE PLAINS RD	0	3	10	13	8,500	1.40	83	Not Ranked	
7441	W SUGAR CREEK RD & WILSON LN	9	10	9	28	17,600	1.45	68	68	
11071	W TRADE ST & WESLEY HEIGHTS WY	6	8	12	26	14,600	1.63	48	Not Ranked	

2014 Intersection Safety Warrant List (same as the 2014 Annual Report)

As part of the Charlotte Department of Transportation's goal of providing a safe transportation system for all road users, the Traffic Safety Section has developed a list of locations that have promise as sites for safety improvements. Additionally, this list provides a more stable picture of the collision patterns at locations throughout the City to aid in the development of capital projects and programs. City of Charlotte staff is the primary user of this information; however, other transportation professionals may find the information helpful in developing projects and programs. The warrant list will be updated every 2 years.

The following are a few key points regarding the warrant list that may be helpful to non-primary users of this information:

- The locations are selected and prioritized using many crash related factors. Some of the factors include frequency, rate, severity and crash pattern.
- This listing is not based strictly on highest rate, injuries or frequency. Thus it is not an effort to list "the most dangerous locations."
- The locations listed in this publication are only preliminary candidates for safety improvements. The final decision to install safety countermeasures at a location will depend upon the findings of a detailed engineering investigation, the availability of funds and other various factors.

Intersection Safety Warrants Selection Criteria

Warrant I-1: Frontal Impact

Locations with a minimum of 25 total collisions AND a minimum of 50% of all crashes were frontal impact crashes AND a minimum of 25% of the total crashes occurred in the last 2 years. Frontal impact crashes are defined as:

- Angle
- Left Turn (same or different roadways)
- Right Turn (same or different roadways)
- Head On

Warrant I-2: Last Year Increase

Locations with a minimum of 25 total crashes AND a minimum of 38% of the total crashes occurred during the last year.

Warrant I-3: Frequency with a Severity Index Minimum

Tier 1: Locations with a minimum of 25 total crashes AND a minimum severity index of 7.0 AND a minimum of 40% of the collisions involving injury.

Tier 2: Locations with a minimum of 10 total crashes AND a minimum severity index of 8.0 AND a minimum of 50% of the collisions involving injury.

Severity index of a location is equal to the total equivalent property damage only (EPDO) collisions divided by the total number of collisions. EPDO is calculated as follows;

(76.8*(K+A))+ (8.4*(B+C)) + (O+U))

Where
K=Fatal collisions
A=Disabling injury collisions
B=Evident injury collisions
C=Possible injury collisions O=No injury collisions U=Unknown injury collisions

Warrant I-4: Night Locations without Streetlights (*Officer indicated*)

Locations with a minimum of 25% of the total crashes occurring in the last 2 years AND locations with a minimum of 12 crash that occurred at night.

Warrant I-5: Chronic Pattern

This warrant only applies to locations that did not meet the conditions of Warrants 1-4

Locations with a minimum of 20 crashes during 10 years, 15% of the total crashes occurring in the last 3 years AND a minimum of 80% of the total crashes were in one of the following pattern categories:

- Rear End (all rear end crash types)
- Crossing (all left turn, angle, and head on crash types)

Warrant P-1: Last 3 Years (Pedestrians)

Locations with a minimum of 4 crashes involving pedestrians reported in the last 10 years AND a minimum of 45% of all crashes involving pedestrians happened in the last 3 years.

Warrant P-2: Darkness with Streetlights (Pedestrians)

Locations with a minimum of 4 crashes involving pedestrians reported in the last 10 years AND a minimum of 55% of all crashes involving pedestrians occurred during darkness with streetlights.

Warrant P-3: Alcohol Involvement (Pedestrians)

Locations with a minimum of 4 crashes involving pedestrians reported in the last 10 years AND a minimum of 30% of all crashes involving pedestrians must have involved alcohol.

Warrant P-4: Chronic Location (Pedestrians)

Locations with a minimum of 6 crashes involving pedestrians reported in the last 10 years.

Warrant X-1: Last 3 Years (Bicyclists)

Locations with a minimum of 3 crashes involving bicyclists reported in the last 10 years AND a minimum of 45% of all crashes involving bicyclists happened in the last 3 years.

Warrant X-2: Darkness with Streetlights (Bicyclists)

Locations with a minimum of 3 crashes involving bicyclists reported in the last 10 years AND a minimum of 55% of all crashes involving bicyclists occurred during darkness with streetlights.

Warrant X-3: Alcohol Involvement (Bicyclists)

Locations with a minimum of 3 crashes involving bicyclists reported in the last 10 years AND a minimum of 30% of all crashes involving bicyclists must have involved alcohol.

Warrant X-4: Chronic Location (Bicyclists)

Locations with a minimum of 4 crashes involving bicyclists reported in the last 10 years.

ID	Location	Signalized	5-Year Collisions Total	Intersection Warrants					Pedestrian and Bike Warrants				
				Frontal Impact	Last Year Increase	Severity	Night	Chronic	Last 3 Years Peds	Night Peds	P-4	Last 3 Years Bike	X-4
13864	3RD-4TH CONNECTOR ST & CHARLOTTETOWNE AV_E 3RD ST	Yes	84	X									
13600	3RD-4TH CONNECTOR ST & E 4TH ST_N KINGS DR_S KINGS DR	Yes	180	X									
13090	ALBEMARLE RD & BLAIR RD	Yes	49	X									
13117	ALBEMARLE RD & CABARRUS RD	No	26	X									
15117	ALBEMARLE RD & CENTRAL AV	No	24							X	X		
44421	ALBEMARLE RD & CENTRAL AV	Yes	93	X									
14364	ALBEMARLE RD & DWIGHTWARE BV	No	16					X					
15173	ALBEMARLE RD & EXECUTIVE CENTER DR_JENKINS DR	Yes	101						X	X			
15195	ALBEMARLE RD & FARM POND LN	Yes	152							X	X		
45596	ALBEMARLE RD & I-485 RA	Yes	35	X									
15287	ALBEMARLE RD & N SHARON AMITY RD	Yes	179						X	X			
15243	ALBEMARLE RD & REGAL OAKS DR	Yes	90						X		X		
14746	ALBEMARLE RD & WILGROVE-MINT HILL RD	Yes	35	X									
15217	ALBEMARLE RD & WINTERHAVEN DR	Yes	79						X		X		
23744	ALEXANDER RD & PINEVILLE-MATTHEWS RD	Yes	28	X									
27113	ALEXANDER VALLEY DR & PROVIDENCE RD	No	26	X									
2981	ALEXANDERANA RD & EASTFIELD RD_OLD STATESVILLE RD	Yes	39	X									
12144	ALLEGHANY ST & WILKINSON BV	No	39	X									
24827	ARBORETUM DR & PINEVILLE-MATTHEWS RD	No	33	X									
30550	ARBORETUM SHOPPING CENTER DR & PROVIDENCE RD	Yes	46	X									
25033	ARBORETUM VIEW & PINEVILLE-MATTHEWS RD	Yes	50	X									
19953	ARCHDALE DR & OLD PINEVILLE RD	Yes	35		X								
28184	ARDREY KELL RD & BLAKENEY HEATH RD_BLAKENEY PROFESSIONAL DR	No	16					X					
48197	ARDREY KELL RD & BLAKENEY PARK DR	No	25	X									
28381	ARDREY KELL RD & HAWFIELD WAY DR	No	22					X					
13568	ARLINGTON AV & S CALDWELL ST_SOUTH BV	No	25	X									
12954	ARNOLD DR & EASTWAY DR	No	31			X							
21338	ARROWRIDGE BV & N I-77 EXIT 3 RA_W ARROWOOD RD	No	28	X									
12216	ASHLEY RD & LUMINA AV	No	21			X							
16859	ASHMORE DR & MONROE RD	No	24			X							
8534	ATANDO AV & LASALLE ST_N I-77 EXIT 12 RA	Yes	30	X									
8515	ATANDO AV & STATESVILLE AV	Yes	94	X									
9905	ATMORE ST & E SUGAR CREEK RD	No	26		X								
10012	ATMORE ST & THE PLAZA	No	34	X	X	X							
11011	AUDREY ST & EASTWAY DR	No	35			X							
8041	AUSTIN DR & N TRYON ST	No	40	X									
5454	BACK CREEK CHURCH RD & PAVILION BV_UNIVERSITY CITY BV	Yes	122				X						
7554	BACK CREEK CHURCH RD & ROCKY RIVER RD	No	28	X									
27432	BALLANTYNE COMMONS PY & DURANT BV_JOHN J DELANEY DR	No	33	X									
27468	BALLANTYNE COMMONS PY & JOHN J DELANEY DR	No	38	X									
27495	BALLANTYNE COMMONS PY & NORTH COMMUNITY HOUSE RD	Yes	37	X									
27228	BALLANTYNE COMMONS PY & TOM SHORT RD	Yes	17					X					
5574	BANNER ELK DR & SUNSET RD	No	42	X	X								
11232	BARRINGTON DR & MILTON RD	No	38	X		X							
5199	BARTON CREEK DR & N TRYON ST	No	25	X									
13761	BAY ST & PECAN AV	No	10			X							
26068	BAYBROOK LN & PINEVILLE-MATTHEWS RD	Yes	36	X									
9278	BEATTIES FORD RD & BOOKER AV_OAKLAWN AV	Yes	41	X		X							
8204	BEATTIES FORD RD & CATHERINE SIMMONS AV	No	43	X							X		
6943	BEATTIES FORD RD & CINDY LN_GRIERS GROVE RD	Yes	38	X					X				

ID	Location	Signalized	5-Year Collisions Total	Intersection Warrants					Pedestrian and Bike Warrants				
				Frontal Impact	Last Year Increase	Severity	Night	Chronic	Last 3 Years Peds	Night Peds	P-4	Last 3 Years Bike	X-4
43131	BEATTIES FORD RD & DR WEBBER AV	No	11							X			
9995	BEATTIES FORD RD & FRENCH ST	Yes	30	X									
7885	BEATTIES FORD RD & GILBERT ST_MONTANA DR	Yes	49						X				
8329	BEATTIES FORD RD & LASALLE ST	Yes	80								X		
9358	BEATTIES FORD RD & SANDERS AV	No	12							X			
5672	BEATTIES FORD RD & SUNSET RD	Yes	76	X									
9432	BEATTIES FORD RD & W BROOKSHIRE RA	Yes	17					X					
4743	BELLHAVEN BV & MT HOLLY-HUNTERSVILLE RD_ROZZELLES FERRY RD	Yes	38	X									
8889	BENNETT ST & N TRYON ST	No	33	X									
11538	BERRYHILL RD & FREEDOM DR	Yes	35						X				
26468	BEVINGTON PL & REA RD	Yes	28	X									
8895	BINGHAM DR & N TRYON ST	No	27	X									
24416	BIRNEN DR & JOHNSTON RD_PARK RD	Yes	39		X								
42482	BLAKENEY GREENS BV & REA RD	No	31	X									
5104	BONNIE CONE LN & E MALLARD CREEK CHURCH RD_MARY ALEXANDER RD	Yes	29	X									
8132	BRANCH HILL CR & OLD CONCORD RD	No	10			X							
14396	BRIAR CREEK RD & COMMONWEALTH AV	Yes	25	X									
7969	BROOKSHIRE BV & N HOSKINS RD	Yes	96							X			
8535	BROOKSHIRE BV & NELSON AV	No	44	X									
5338	BROOKSHIRE BV & PLEASANT GROVE RD	Yes	30	X									
19825	BROWN-GRIER RD & SANDY PORTER RD_W ARROWOOD RD	Yes	46	X	X								
17435	BUICK DR & CONFERENCE DR_E INDEPENDENCE BV	Yes	43							X			
13985	CAMDEN RD & EAST BV_WEST BV	Yes	37	X									
5606	CAMERON BV & JOHN KIRK DR	No	25					X					
15085	CAMPBELL DR & N SHARON AMITY RD	No	29	X									
26209	CARMEL RD & JOHNSTON RD	Yes	48	X									
21348	CARMEL RD & SHARON VIEW RD	Yes	31	X	X								
23277	CAROWINDS BV & JOHN PRICE RD_S TRYON ST	Yes	80						X				
17597	CASTLETON RD & N SHARON AMITY RD	No	11			X							
17169	CEDARS EAST CT & IDLEWILD RD	No	29	X									
13118	CENTRAL AV & E 7TH ST_N KINGS DR	Yes	77	X									
13541	CENTRAL AV & EASTCREST DR	Yes	22								X		
13763	CENTRAL AV & EASTWAY DR	Yes	151								X		
13007	CENTRAL AV & HAWTHORNE LN	Yes	38	X									
13009	CENTRAL AV & INDEPENDENCE/I-277 RA	No	46		X								
14442	CENTRAL AV & N SHARON AMITY RD	Yes	154								X		
43116	CENTRAL AV & PECAN AV	No	38						X		X		
14213	CENTRAL AV & ROSEHAVEN DR	Yes	51								X		
13588	CENTRAL AV & WEMBLEY DR	No	22								X		
13787	CHARLOTTETOWNE AV & E 4TH ST	Yes	50	X									
13343	CHARLOTTETOWNE AV & E 7TH ST_E INDEPENDENCE BV	Yes	80	X									
13912	CHARLOTTETOWNE AV & E JOHN BELK RA_KENILWORTH AV	Yes	134	X									
13683	CHARLOTTETOWNE AV & ELIZABETH AV	Yes	37								X		
50041	CHARLOTTETOWNE AV & METROPOLITAN AV	No	40	X									
15125	CHEROKEE RD & PROVIDENCE RD	Yes	65	X					X		X		
6882	CINDY LN & STATESVILLE RD	Yes	31		X								
10134	CITISIDE DR & EASTWAY DR_WELDON AV	No	28	X									
44552	CITY BVXN I85 RA NB & UNIVERSITY CITY BV	No	28	X	X			X					
15542	CLANTON RD & N I-77 TO CLANTON RD RA NB	Yes	50	X									

ID	Location	Signalized	5-Year Collisions Total	Intersection Warrants					Pedestrian and Bike Warrants				
				Frontal Impact	Last Year Increase	Severity	Night	Chronic	Last 3 Years Peds	Night Peds	P-4	Last 3 Years Bike	X-4
42582	COLLEGE-TRYON ST & N TRYON ST	No	18			X							
27388	CONLAN CR & DON LOCHMAN LN_JOHN J DELANEY DR	No	45	X									
26590	COUNTRY LN & PROVIDENCE RD	Yes	19			X							
20634	COVEDALE DR & MONROE RD	No	26	X		X							
23690	CRESSIDA DR & E WESTINGHOUSE BV_SOUTH BV	Yes	50		X								
4061	DAVID COX RD & LAKEVIEW RD_OLD STATESVILLE RD	No	46	X									
14136	DELTA CROSSING LN & E W T HARRIS BV	No	11			X							
13946	DILWORTH RD & E MOREHEAD ST	No	10			X							
14844	DILWORTH RD WEST & EAST BV	Yes	13			X							
5266	DOUG MAYES PL & J W CLAY BV	No	34	X									
23795	DOWNS RD & E WESTINGHOUSE BV	Yes	27	X		X							
3912	DRIWOOD CT & PROSPERITY CHURCH RD	No	24					X					
14965	DUNN AV & MONROE RD	Yes	14			X							
11974	E 11TH ST & E BROOKSHIRE FR RA_N BREVARD ST	Yes	31		X								
12186	E 11TH ST & E BROOKSHIRE FR RA_N DAVIDSON ST	Yes	55	X									
12073	E 11TH ST & N CALDWELL ST	Yes	37	X									
11625	E 11TH ST & N COLLEGE ST	Yes	67	X									
11677	E 11TH ST & N TRYON ST_W 11TH ST	Yes	42	X									
11693	E 12TH ST & N COLLEGE ST	Yes	25	X									
12089	E 12TH ST & N DAVIDSON ST	Yes	57						X				
11717	E 15TH ST & N DAVIDSON ST	No	6						X	X			
10030	E 28TH ST & N TRYON ST_W 28TH ST	Yes	44			X							
9356	E 36TH ST & N TRYON ST	Yes	37									X	
10772	E 36TH ST & THE PLAZA	Yes	41			X				X	X		
13430	E 3RD ST & E JOHN BELK RA	Yes	37	X									
42643	E 3RD ST & E JOHN BELK RA	Yes	41	X									
14371	E 3RD ST & PROVIDENCE RD_S CASWELL RD	Yes	43	X									
14249	E 3RD ST & QUEENS RD	Yes	38	X		X							
12863	E 3RD ST & S CALDWELL ST	Yes	50	X									
13696	E 3RD ST & S KINGS DR	Yes	51	X									
13994	E 3RD ST & S TORRENCE ST	No	33	X									
13302	E 4TH ST & E JOHN BELK RA	Yes	58	X									
42642	E 4TH ST & E JOHN BELK RA	Yes	37		X								
13881	E 4TH ST & N TORRENCE ST	No	27	X									
12775	E 4TH ST & S CALDWELL ST	Yes	70	X									
12492	E 4TH ST & S COLLEGE ST	Yes	37						X				
12868	E 4TH ST & S DAVIDSON ST	Yes	18								X		
13197	E 4TH ST & S MCDOWELL ST	Yes	56								X		
12377	E 4TH ST & S TRYON ST_W 4TH ST	Yes	42								X		
12618	E 5TH ST & N CALDWELL ST	Yes	40	X									
12305	E 5TH ST & N COLLEGE ST	Yes	35	X									
12199	E 5TH ST & N TRYON ST_W 5TH ST	Yes	18							X	X		
12220	E 6TH ST & N COLLEGE ST	Yes	28								X		
12896	E 6TH ST & N MCDOWELL ST	Yes	52	X									
12101	E 6TH ST & N TRYON ST_W 6TH ST	Yes	37						X			X	
13667	E 7TH ST & HAWTHORNE LN	Yes	92	X									
12333	E 7TH ST & N BREVARD ST	Yes	25						X				
12135	E 7TH ST & N COLLEGE ST	Yes	50	X									
12527	E 7TH ST & N DAVIDSON ST	Yes	28	X									

ID	Location	Signalized	5-Year Collisions Total	Intersection Warrants					Pedestrian and Bike Warrants				
				Frontal Impact	Last Year Increase	Severity	Night	Chronic	Last 3 Years Peds	Night Peds	P-4	Last 3 Years Bike	X-4
12809	E 7TH ST & N MCDOWELL ST	Yes	49	X									
12038	E 8TH ST & N COLLEGE ST	No	35	X									
11956	E 9TH ST & N COLLEGE ST	Yes	35	X									
11847	E 9TH ST & N TRYON ST_W 9TH ST	Yes	24						X		X		
7770	E ARROWHEAD DR & N TRYON ST_W ARROWHEAD DR	No	43	X		X					X		
21296	E ARROWOOD RD & ENGLAND ST_OLD PINEVILLE RD	Yes	32								X		
21514	E ARROWOOD RD & NATIONS FORD RD_W ARROWOOD RD	Yes	70						X				
21312	E ARROWOOD RD & SOUTH BV_STARBROOK DR	Yes	57								X		
13420	E BLAND ST & S TRYON ST_W BLAND ST	Yes	25	X									
18436	E INDEPENDENCE BV & SHARON FOREST DR	No	49	X	X								
18478	E INDEPENDENCE BV & WALLACE RD	No	76	X	X								
13158	E JOHN BELK RA & S CALDWELL ST	Yes	64	X				X					
47907	E MALLARD CREEK CHURCH RD & JOHN KIRK DR	Yes	25	X									
4866	E MALLARD CREEK CHURCH RD & N TRYON ST_W MALLARD CREEK CHURCH RD	Yes	158				X						
12548	E MARTIN LUTHER KING JR BV & S TRYON ST_W MARTIN LUTHER KING JR BV	Yes	17								X		
13057	E MOREHEAD ST & S COLLEGE ST_S TRYON/COLLEGE CONNECTOR ST	Yes	28	X									
12991	E MOREHEAD ST & S TRYON ST_W MOREHEAD ST	Yes	61	X									
13854	E PARK AV & SOUTH BV	Yes	42						X				
12806	E STONEWALL ST & S COLLEGE ST	Yes	43	X					X		X		
13579	E STONEWALL ST & S MCDOWELL ST	Yes	40	X									
12711	E STONEWALL ST & S TRYON ST_W STONEWALL ST	Yes	45	X									
8847	E SUGAR CREEK RD & N TRYON ST_W SUGAR CREEK RD	Yes	205									X	
12695	E TRADE ST & N CALDWELL ST_S CALDWELL ST	Yes	48	X									
12396	E TRADE ST & N COLLEGE ST_S COLLEGE ST	Yes	56								X		
12285	E TRADE ST & N TRYON ST_S TRYON ST_W TRADE ST	Yes	45							X	X		
14314	E TREMONT AV & SOUTH BV	Yes	48						X				
8193	E W T HARRIS BV & GRIER RD	Yes	125				X						
52081	E W T HARRIS BV & LAWYERS RD	No	41					X					
13422	E W T HARRIS BV & TRYSTING RD	No	30		X								
6328	E W T HARRIS RA & UNIVERSITY CITY BV	Yes	39		X								
23784	E WESTINGHOUSE BV & NATIONS FORD RD_WESTINGHOUSE BV	Yes	23			X							
17555	E WOODLAWN RD & OLD PINEVILLE RD	Yes	52	X									
18337	E WOODLAWN RD & RUNNYMEDE LN_SELWYN AV	Yes	46	X									
15139	EAST BV & KENILWORTH AV	Yes	48	X					X				
14078	EAST BV & SOUTH BV	Yes	96						X				
12293	EASTWAY DR & KILBORNE DR	Yes	48								X		
11103	EASTWAY DR & MICHIGAN AV	No	30		X	X							
9768	EASTWAY DR & THE PLAZA	Yes	121								X		
14629	EASTWAY DR & WOODLAND DR	Yes	30	X									
9974	EDGEWOOD RD & QUEEN CITY DR_TUCKASEEGEE RD	Yes	22			X							
13389	ELIZABETH AV & N KINGS DR	Yes	40								X		
26038	ELM LN & PINEVILLE-MATTHEWS RD	Yes	35	X									
7190	EQUIPMENT DR & N GRAHAM ST	No	18			X							
7094	EQUIPMENT DR & W SUGAR CREEK RD	No	30	X									
23038	ERWIN RD & STEELE CREEK RD	No	31	X									
47164	FAIRVIEW RD & SOUTH PARK DR	No	62	X	X			X					
48851	FINCHER FARM RD & WEDDINGTON RD	No	10			X							
27211	FORBES DR & PROVIDENCE RD	No	15					X					

ID	Location	Signalized	5-Year Collisions Total	Intersection Warrants					Pedestrian and Bike Warrants				
				Frontal Impact	Last Year Increase	Severity	Night	Chronic	Last 3 Years Peds	Night Peds	P-4	Last 3 Years Bike	X-4
11105	FRAZIER AV & W TRADE ST	No	14			X							
9140	FREEDOM DR & THRIFTWOOD DR	No	15			X							
21797	GALLERIA BV & MONROE RD	Yes	29	X									
21209	GALLERIA BV & SARDIS RD NORTH	Yes	27	X									
30513	GENERAL DR & S TRYON ST_YORK CENTER DR	No	44	X									
5919	GIBBON RD & NEVIN RD	Yes	32	X									
43380	GILEAD RD & I-77 TO GILEAD RD RA NB	No	31		X								
2069	GILEAD RD & N STATESVILLE RD_S STATESVILLE RD	No	35		X								
2115	GILEAD RD & REESE BV	No	15			X							
23329	GLENEAGLES RD & PARK RD_SHARON RD WEST	Yes	46		X								
18963	GROVER RD & SOUTH BV	No	67	X		X							
25691	HAMILTON RD & STEELE CREEK RD	Yes	30	X									
7613	HEATHWAY DR & N TRYON ST	No	40	X		X							
23332	HOPETON RD & SHARON RD WEST	Yes	12			X							
19605	I-485 RA & I-485 RA_W ARROWOOD RD	Yes	17			X							
49037	I-485 RA & MOUNT HOLLY RD	Yes	37	X				X					
51265	I-485 RA & OLD STATESVILLE RD	No	36	X		X		X					
42521	I-485 RA & PROVIDENCE RD	Yes	47		X								
20766	I-485 RA & S TRYON ST	Yes	95	X									
47558	I-485 RA & STEELE CREEK RD	No	38					X					
51310	I-485 RA & W W T HARRIS BV	No	36					X					
1272	I-77 TO SAM FURR RA NB & SAM FURR RD_SAM FURR TO I-77 RA NB	Yes	36		X								
17062	IDLEWILD RD & MONROE RD_RAMA RD	Yes	77						X				
17138	IDLEWILD RD & PINEY GROVE RD	Yes	17			X							
51369	IKEA BV & UNIVERSITY CITY BV	No	40					X					
51491	INSTITUTE CR & N TRYON ST	Yes	53					X	X				
5600	J M KEYNES DR & N TRYON ST_UNIVERSITY HOSPITAL DR	Yes	34						X				
22200	JOHN PRICE RD & S TRYON ST	No	26	X									
47929	KENDALL DR & MOORES CHAPEL RD	No	11			X							
13341	KILBORNE DR & SUDBURY RD	No	10			X							
4175	LAKEVIEW RD & STATESVILLE RD	No	31	X				X					
8549	LASALLE ST & NEWCASTLE ST_NEWLAND RD	No	26	X									
16141	LATROBE DR & N WENDOVER RD	Yes	32	X		X							
4698	LAWING RD & MIRANDA RD_OAKDALE RD_SUNSET RD	No	35	X		X							
19055	LUMARKA DR & MONROE RD_THERMAL RD	Yes	26	X									
14596	MAGNOLIA AV & SOUTH BV	No	11			X							
4857	MALLARD CREEK RD & MEDICAL PLAZA DR	No	20					X					
3417	MALLARD CREEK RD & POLK AND WHITE RD	No	17			X							
31278	MALLARD GLEN DR & W MALLARD CREEK CHURCH RD	No	19					X					
11064	MARSHALL DR & WILKINSON BV	No	29	X	X								
9791	MATHESON AV & N TRYON ST_W 30TH ST	Yes	57							X			
11055	MATHESON AV & THE PLAZA	Yes	65	X									
6563	MCLEAN RD & MEADOW VISTA RD_OLD CONCORD RD	Yes	31	X		X							
13448	MERRIMAN AV & WEST BV	No	17			X							
11311	MILTON RD & N SHARON AMITY RD	Yes	81	X					X	X			
11290	MILTON RD & SUNRIDGE LN	No	15			X							
15064	MONROE RD & WASHBURN AV	Yes	20			X							
9396	MORETZ AV & N GRAHAM ST_W 28TH ST	Yes	27	X									
4560	MORNINGSTAR PLACE DR & N TRYON ST	No	14			X							

ID	Location	Signalized	5-Year Collisions Total	Intersection Warrants					Pedestrian and Bike Warrants				
				Frontal Impact	Last Year Increase	Severity	Night	Chronic	Last 3 Years Peds	Night Peds	P-4	Last 3 Years Bike	X-4
19805	MORRISON BV & ROXBOROUGH RD_SOUTH PARK DR	Yes	16			X							
23437	MOSS RD & S TRYON ST	Yes	61	X									
45563	MOUNT HOLLY RD & MT HOLLY-HUNTERSVILLE RD	Yes	31	X									
10622	MULBERRY CHURCH RD & QUEEN CITY DR	Yes	44	X									
10714	MULBERRY CHURCH RD & S I-85 EXIT 33 RA	Yes	34	X									
43509	MULBERRY POND DR & TUCKASEEGEE RD	No	11			X							
12174	N CHURCH ST & S CHURCH ST_W TRADE ST	Yes	47						X		X		
12076	N CHURCH ST & W 5TH ST	Yes	44	X									
11981	N CHURCH ST & W 6TH ST	Yes	13								X		
14431	N COLONIAL AV & RANDOLPH RD_S COLONIAL AV	No	58	X									
11876	N GRAHAM ST & S GRAHAM ST_W TRADE ST	Yes	47	X									
11783	N GRAHAM ST & W 5TH ST	Yes	18						X		X		
11707	N GRAHAM ST & W 6TH ST	Yes	42	X									
11058	N I-77 EXIT 10B RA & N I-77 EXIT 10C RA_W 5TH ST	Yes	25	X									
11237	N I-77 EXIT 10B RA & W TRADE ST	Yes	57	X									
7621	N I-85 EXIT 39 RA & STATESVILLE AV	Yes	46	X									
7280	N I-85 EXIT 41 RA & W SUGAR CREEK RD	Yes	75						X				
14583	N SHARON AMITY RD & SPANISH QUARTER CR	No	26	X									
14014	N SHARON AMITY RD & WILORA LAKE RD	No	26	X									
6957	N TRYON ST & N US 29 BY-PASS HY_SANDY AV	Yes	42		X								
11265	N TRYON ST & WADSWORTH PL	No	17						X	X	X		
43234	NATIONS FORD RD & S I-77 EXIT 4 RA	Yes	41	X									
51243	NORTHCREST SHOPPING CENTER DR & NORTHLAKE WEST DR_W W T HARRIS BV	Yes	26	X	X			X					
1259	NORTHCROSS DR & SAM FURR RD	Yes	34		X			X					
48168	NORTHLAKE MALL DR & PERIMETER PY	No	33	X									
5816	OAKDALE RD & PLEASANT GROVE RD_RADIO RD	No	6					X					
10205	OAKLAWN AV & STATESVILLE AV	Yes	10						X				
7055	OLD MT HOLLY RD & ROZZELLES FERRY RD	No	14			X							
16439	OLD PINEVILLE RD & SCALEYBARK RD_SOUTH BV	Yes	43	X									
1321	OLD STATESVILLE RD & SAM FURR RD	No	29		X								
14183	OLD STEELE CREEK RD & WEST BV	Yes	31	X									
4297	OLD SUGAR CREEK RD & W W T HARRIS BV	No	42	X									
19337	PARK RD & PARK SELWYN OFFICE DR_SELWYN AV	Yes	25	X									
11639	PARKWOOD AV & PEGRAM ST	No	34	X									
28914	PINEVILLE-MATTHEWS RD & SPRINGBANK LN	No	29	X	X								
31626	PLAZA WALK DR & THE PLAZA	No	64	X									
17742	PROVIDENCE RD & S WENDOVER RD	Yes	53		X								
17032	QUEENS RD WEST & WESTFIELD RD	No	19									X	X
7380	REAGAN DR & W SUGAR CREEK RD	Yes	155						X		X		
13531	REMOUNT RD & WEST BV	Yes	47								X	X	
13752	RENSSELAER AV & SOUTH BV	No	14						X	X			
48198	RIVERGATE PY & S TRYON ST	Yes	81					X					
12265	S CHURCH ST & W 4TH ST	Yes	38	X									
12721	S CHURCH ST & W HILL ST_W JOHN BELK RA	No	43	X									
11145	S I-77 EXIT 10B RA & W TRADE ST	No	25	X									
44542	S I85XCITY BV RA SB & UNIVERSITY CITY BV	No	22					X					
12680	S MINT ST & W MOREHEAD ST	Yes	25	X									
21549	S TRYON ST & SANDY PORTER RD	Yes	95	X									

ID	Location	Signalized	5-Year Collisions Total	Intersection Warrants					Pedestrian and Bike Warrants				
				Frontal Impact	Last Year Increase	Severity	Night	Chronic	Last 3 Years Peds	Night Peds	P-4	Last 3 Years Bike	X-4
20640	S TRYON ST & WHITEHALL COMMONS CENTER DR_YAGER CREEK DR	Yes	60								X		
1274	SAM FURR RD & STATESVILLE RD	Yes	48		X			X					
44892	SAMS LN & UNIVERSITY CITY BV	No	19					X					
11567	SHAMROCK DR & TIPPERARY PL_WILLARD FARROW DR	Yes	26		X								
19242	SHARON LN & SHARON RD	Yes	38		X	X							
25034	SHOPTON RD WEST & YORK RD_YOUNGBLOOD RD	Yes	42		X								
21286	STEELE CREEK RD & WESTINGHOUSE BV	Yes	32	X									
5889	SUTHER RD & UNIVERSITY CITY BV	Yes	37		X								
45044	W SUGAR CREEK RD & W W T HARRIS BV	Yes	114				X						
14105	W TYVOLA RD & WALTER ST	No	10			X							
16298	W TYVOLA RD & YORKMONT RD	Yes	37	X									