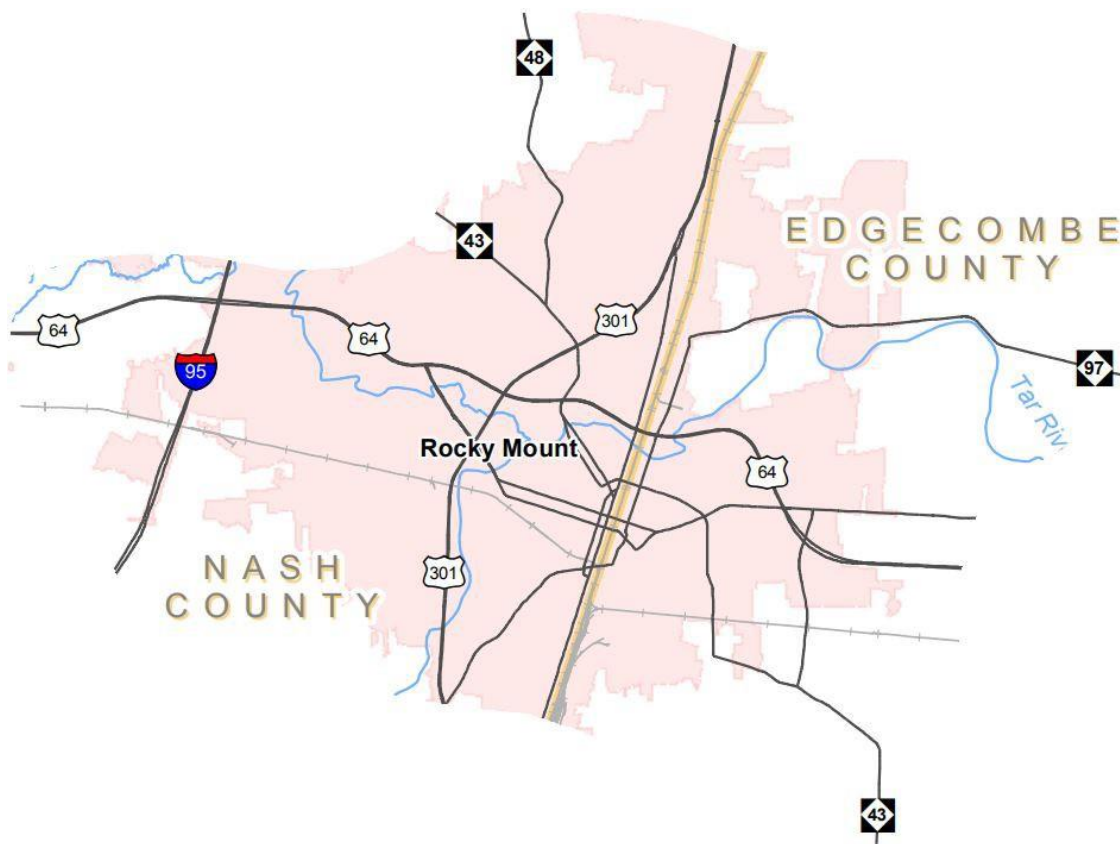


The City of Rocky Mount, North Carolina



Traffic Crash Summary 2019



ROCKY MOUNT, NC
THE CENTER OF IT ALL

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INTRODUCTION



Main Street

Traffic crashes are costly events, which are best avoided. The employees of the City of Rocky Mount are working to assist local motorists to enjoy pleasant driving experiences. From planning and road design, maintenance of facilities, and enforcement of regulations, Public Works, and Police Departments of Rocky Mount are helping to prevent traffic collisions.

The annual *Traffic Crash Summary* is compiled by the staff of the Rocky Mount Transportation Division from reports provided by the Rocky Mount Police Department. This Summary is also available on the MPO website at rockymountnc.gov/mpo.

NC DMV Form 349 is completed by the RMPD for each traffic crash within the Rocky Mount city limits. A sample form is provided on page 19/20. From these forms the Transportation Division staff has recorded traffic crash data in a computer database. Paper copies of Form 349 are

filed and retained for a period of 3 years in the Public Works Department.

A police officer records crash information for some 86 items on Form 349. Including event location and descriptive data and personal statistics, the Form 349 provides a considerable amount of information to manage. The *Traffic Crash Summary* presents this information graphically and with written explanation for the purpose of reducing future traffic crashes.

In addition to this local traffic crash data, other agencies collect and distribute crash data on the state and national levels. At the NC Department of Transportation, the Transportation Mobility & Safety Section is a source of statewide traffic crash data. For national scale data the Federal Highway Administration provides information. For example the FHWA Office of Safety provides national crash data in a dashboard display at <https://rspcb.safety.fhwa.dot.gov/Dashboard/Default.aspx>. Traffic safety information from the AAA (American Automobile Association) is another product example from a private source. See Appendix for related traffic safety sources.

Rocky Mount's Traffic Enforcement Crash Reconstruction Unit is committed to the prevention of vehicle collisions.

A synopsis of Rocky Mount traffic crash attributes for recent years is provided on page 18.

TRAFFIC CRASHES

A traffic crash is the result of a vehicle colliding with another vehicle, person or object. Normally a traffic crash results when a motor vehicle collision occurs on a public right-of-way with other traffic. Crashes also occur on private property and at times with no other vehicular units involved. Regardless, the result is undesirable and may be severe.

Traffic crashes or collisions are no accident. The result happens due to a cause. The goal of the traffic crash report is to identify what is happening on the streets of Rocky Mount and to identify the possible causes of the crashes.

In the 2019 calendar year the Rocky Mount Police Department investigated 2618 traffic crashes. 1887 crashes were on public streets and 731 were on private property.

Figure 1 represents the distribution of the 1,887 crashes by type of crash. The city uses seventeen classifications to record the type of traffic crash. While all seventeen crash types were recorded in Rocky Mount, the great majority of crashes were the rear end variety as seen in Table I. A brief statement of each traffic crash type follows.

1. Rear end – collision of a vehicle by another vehicle from behind
2. Right turn – a vehicle turning right has a collision
3. Run off road – collision resulting when a vehicle leaves the road
4. Pedestrian – a collision in which a pedestrian is involved

5. Fixed object – a collision of a vehicle with a fixed object other than a parked car
6. Railroad – a collision involving a train
7. Right angle – a collision of two vehicles moving perpendicular to each other
8. Side swipe – a collision of one vehicle drifting into another vehicle
9. Parked Vehicle – a collision involving a parking vehicle
10. Animal – a collision of vehicle and an animal
11. Lost control – a collision resulting of driver losing control of vehicle
12. Unusual occurrence – a collision associated with strange or unusual circumstance
13. Left turn – a vehicle turning left has a collision
14. Backing – a collision involving a moving vehicle in reverse
15. Bike/Motorcycle – a collision involving a bike or motorcycle vehicle
16. Head on – a collision of two vehicles moving directly towards each other
17. Overturn on road – a collision in which a vehicle overturns on the road

Crashes on public streets	1,887
Crashes on private property	731
Total 2019 crashes	2,618

The greatest number of Rocky Mount crashes are rear end collisions, and this has been true for many years. Rear end, right angle and side swipe crashes account for 57% of crashes on public streets.

Distribution By Type of Crash (Calendar Year 2019)

Number	Type of Crash	Number of Crashes	% of Total Crashes	Number of Fatalities	Involved Speeding	Involved DWI
1	Rear End	499	26.44%	0	27	11
2	Right Angle	303	16.06%	2	37	6
3	Side Swipe	251	13.30%	0	15	1
4	Run-Off-Road	132	7.00%	4	51	17
5	Left Turn	177	9.38%	0	13	1
6	Backing	54	2.86%	0	0	0
7	Animal	108	5.72%	0	10	0
8	Fixed Object	76	4.03%	0	18	7
9	Lost Control	73	3.87%	1	23	4
10	Right Turn	81	4.29%	1	4	4
11	Parked Vehicle	36	1.91%	0	5	0
12	Bike/Motorcycle	29	1.54%	1	3	0
13	Unusual Occurrence	21	1.11%	1	3	0
14	Pedestrian	21	1.11%	0	3	0
15	Head On	21	1.11%	0	1	4
16	Overturn On Road	4	0.21%	0	2	0
17	Railroad	1	0.05%	0	0	0
	Totals	1,887	100.00%	10	215	55

2019 Crash Distribution by Type

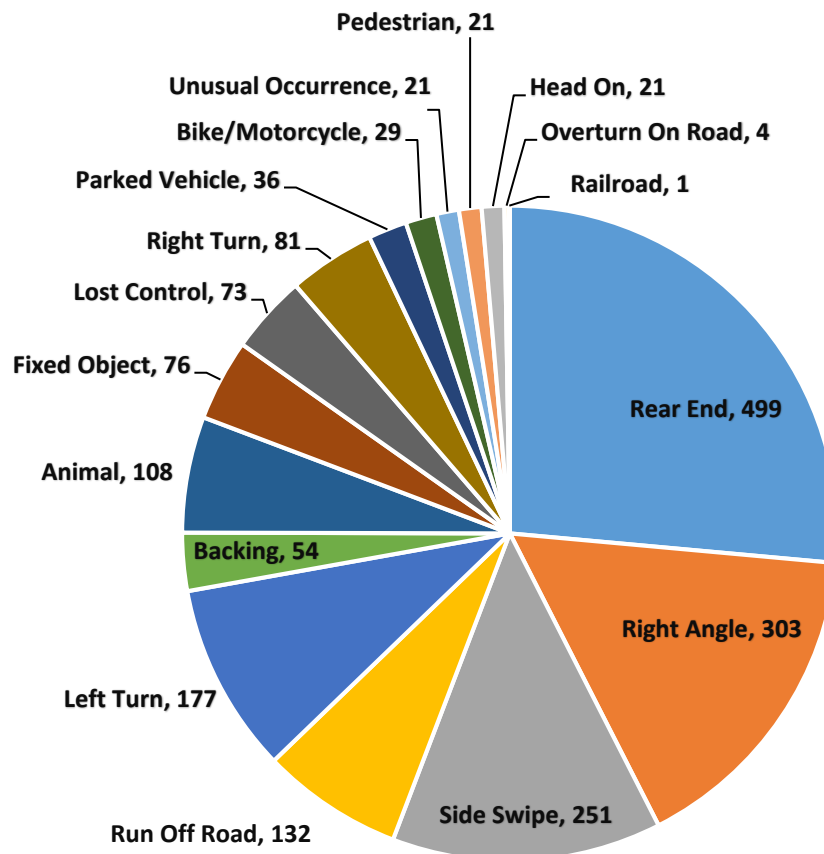


Figure 1

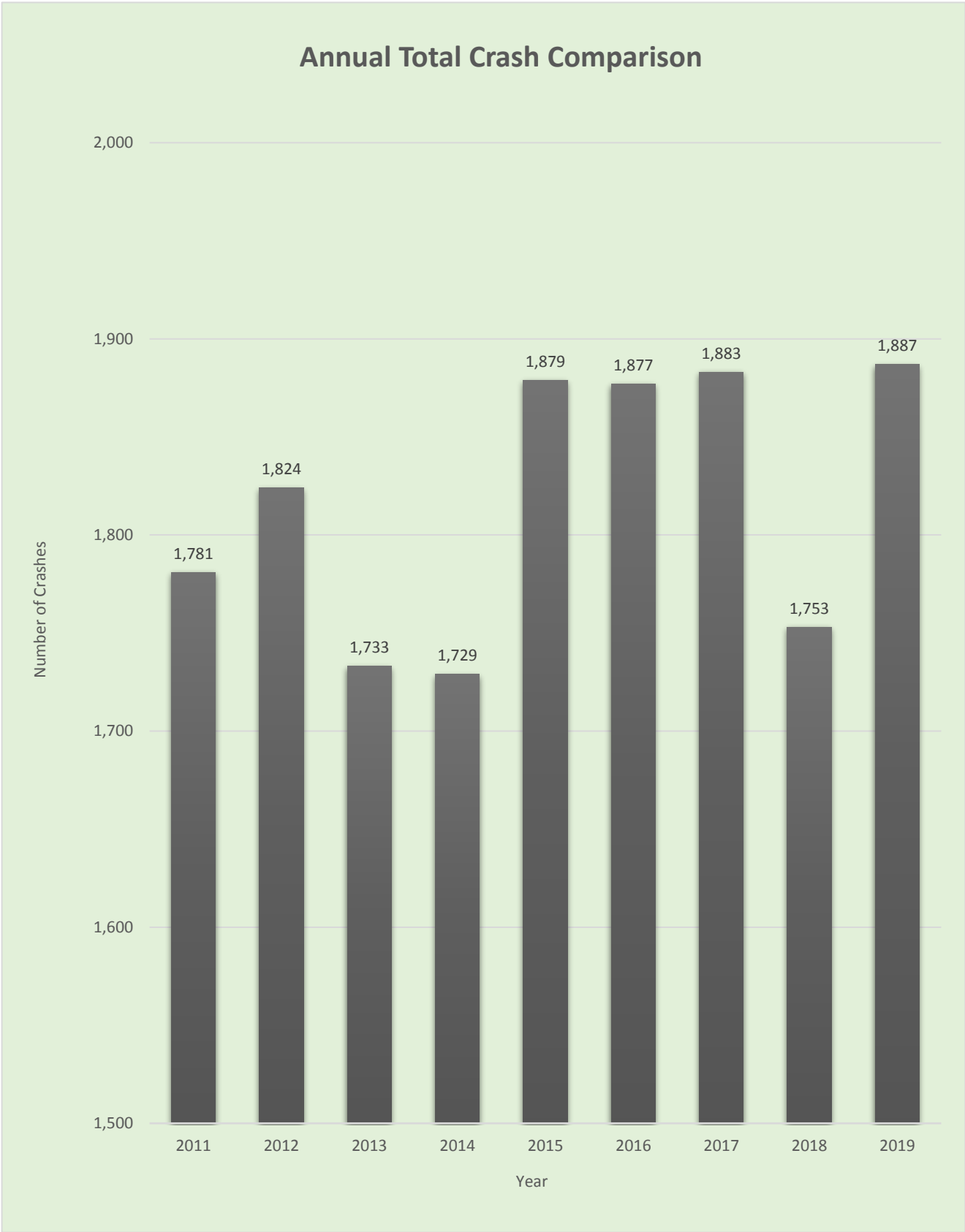


Figure 2

Annual Change of Crash Types in Rocky Mount 2018 - 2019

Type of Crash	Number of Crashes 2018	Number of Crashes 2019	Change (+/-)	% Change
Rear End	499	499	0	0.0%
Right Angle	289	303	14	4.0%
Side Swipe	127	251	124	97.0%
Left Turn	151	177	26	17.0%
Run-Off-Road	211	132	-79	-37.0%
Animal	50	108	58	54.0%
Backing	85	54	-31	-38.0%
Lost Control	65	73	8	12.0%
Fixed Object	75	76	1	1.0%
Right Turn	68	81	13	19.0%
Unusual Occurrence	33	21	-12	-36.0%
Bike/Motorcycle	30	29	-1	3.0%
Parked Vehicle	23	36	13	56.0%
Head On	13	21	8	61.0%
Pedestrian	24	21	-3	-13.0%
Overturn on Road	5	4	-1	-20.0%
Railroad	5	1	-4	-80.0%
Totals	1,753	1,887	134	7%

TRAFFIC CRASH RECORDING

When do traffic crashes occur in Rocky Mount? Is there a pattern of occurrence? From the Form 349, crashes are recorded as to when they happen.

Crashes occur when the causes reach a tipping point. There is no good time for a traffic crash, but factors like driver behavior, weather conditions, traffic congestion and vehicle performance affect the likelihood of a crash.

The map on page 9 indicates the top ten crash locations in the City of Rocky Mount. The top ten crash locations are represented by a color shaded circle, the larger circles have the greatest number of crashes.

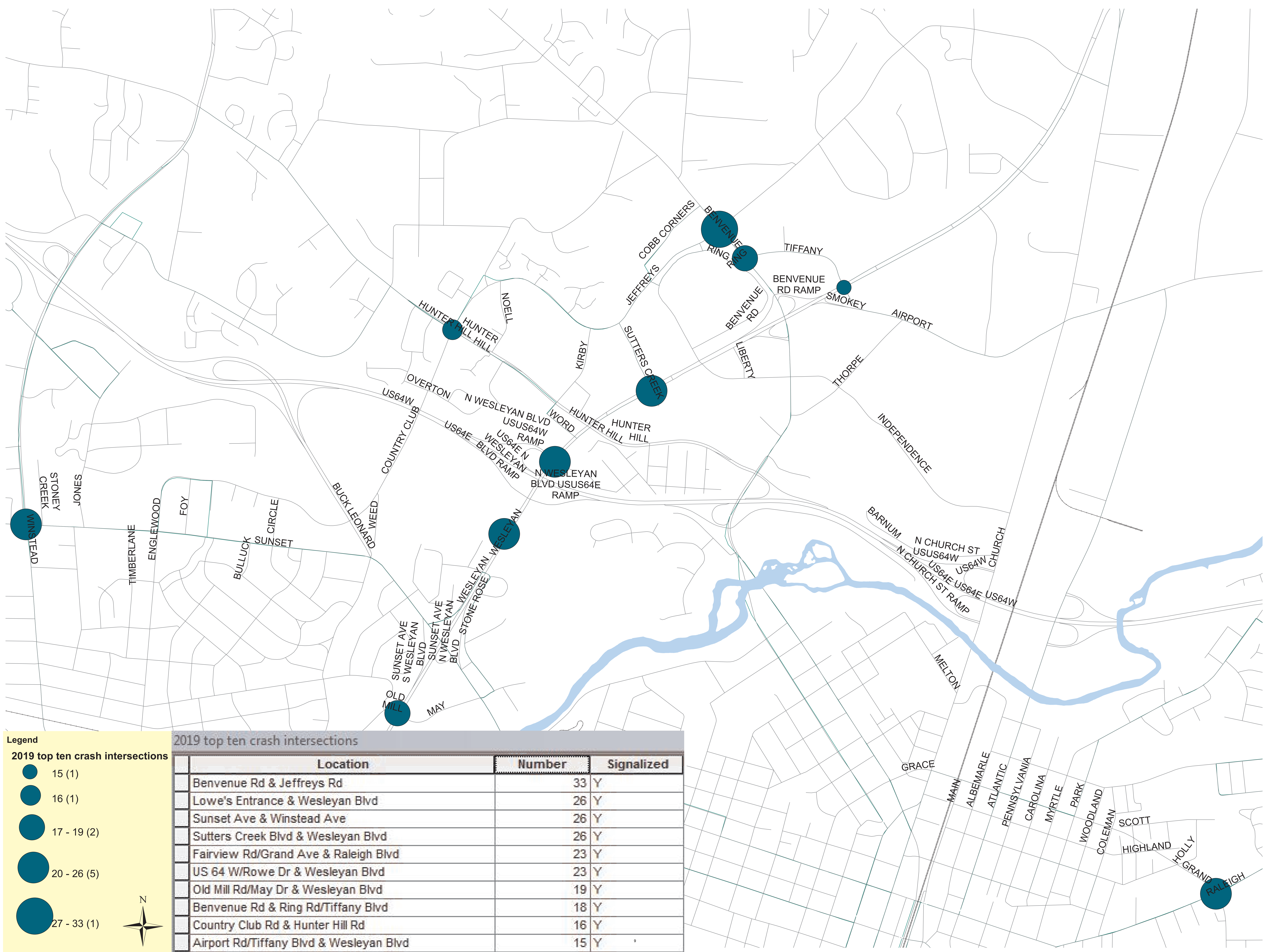
Figures 3, 4 and 5 represent the 2019 distribution of crashes by month, day and hour. Figures 6 and 7 represent the distribution of crashes for the recent three years.

Research suggests traffic crashes occur more often in rush hour traffic, the summer season, on holiday weekends, and in snow/ice storms.

On average 5.2 crashes were recorded per day on Rocky Mount streets in 2019. There were only 2 days in 2019 that no crashes were recorded.



In 2019, there were 21 pedestrian crashes, resulting in zero fatalities.



Legend

2019 top ten crash intersections

15 (1)

16 (1)

17 - 19 (2)

20 - 26 (5)

27 - 33 (1)

N

2019 top ten crash intersections			
	Location	Number	Signalized
	Benvenue Rd & Jeffreys Rd	33	Y
	Lowe's Entrance & Wesleyan Blvd	26	Y
	Sunset Ave & Winstead Ave	26	Y
	Sutters Creek Blvd & Wesleyan Blvd	26	Y
	Fairview Rd/Grand Ave & Raleigh Blvd	23	Y
	US 64 W/Rowe Dr & Wesleyan Blvd	23	Y
	Old Mill Rd/May Dr & Wesleyan Blvd	19	Y
	Benvenue Rd & Ring Rd/Tiffany Blvd	18	Y
	Country Club Rd & Hunter Hill Rd	16	Y
	Airport Rd/Tiffany Blvd & Wesleyan Blvd	15	Y

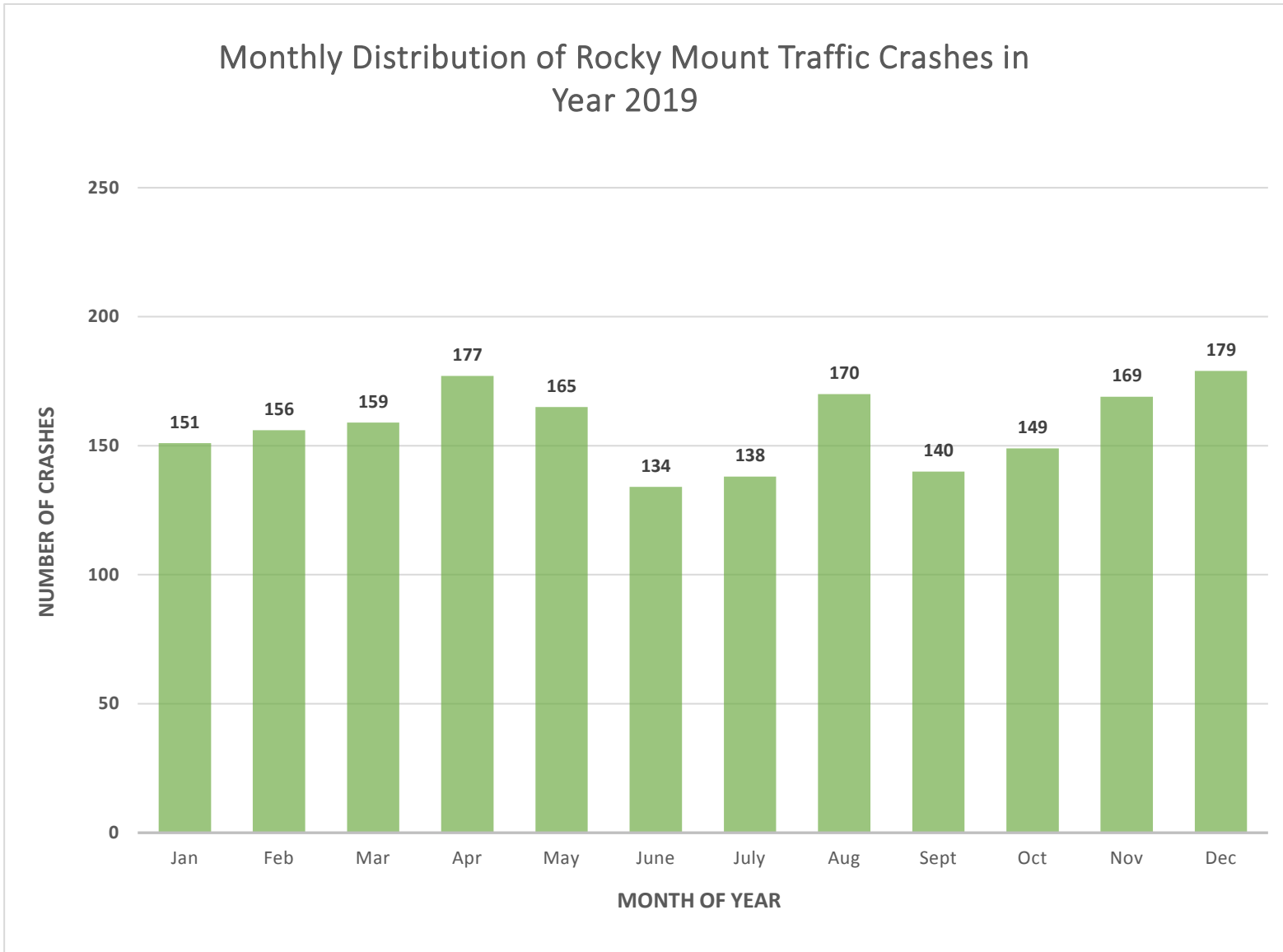


Figure 3

Daily Distribution of Rocky Mount Traffic Crashes in Year 2019

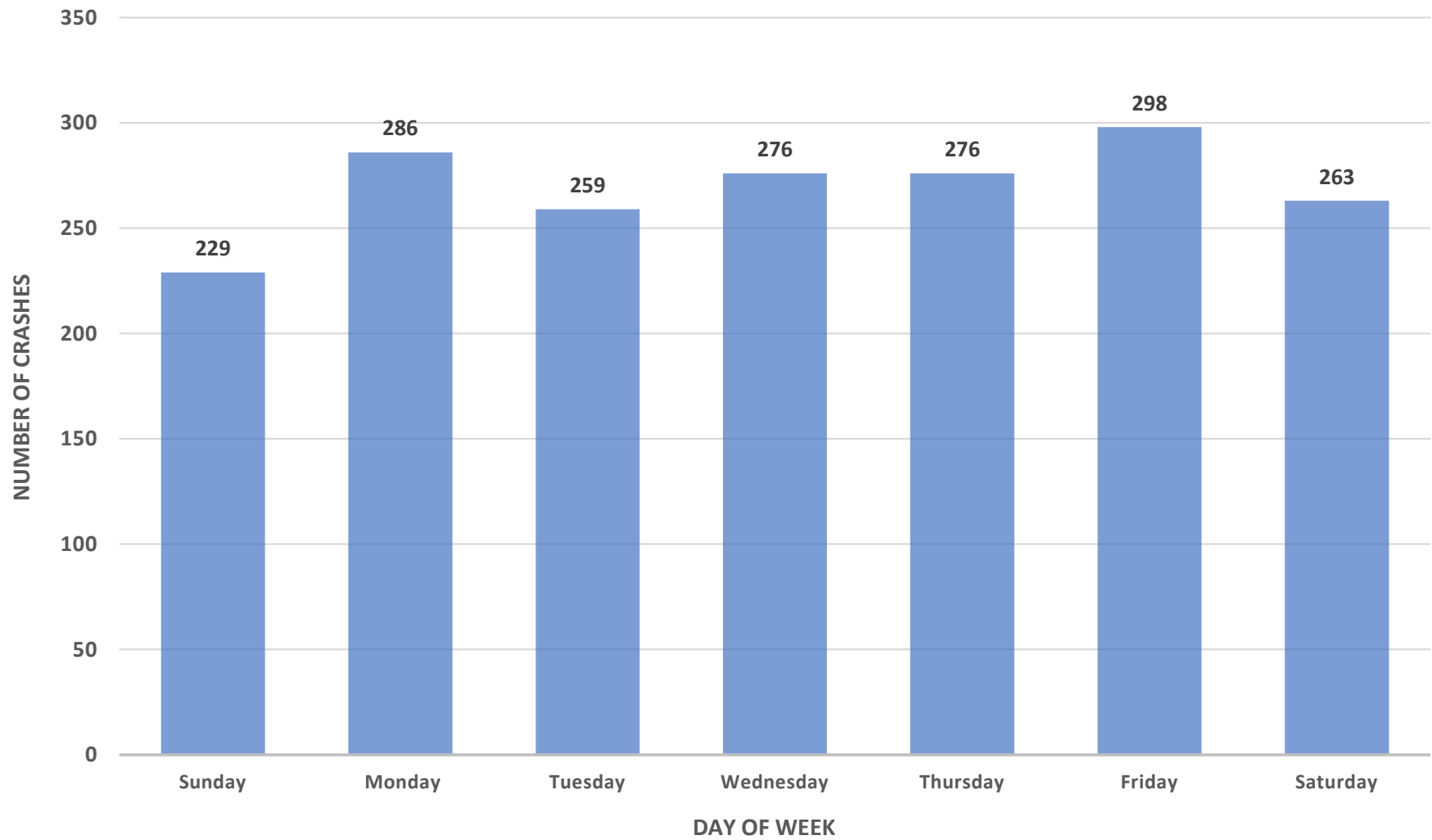


Figure 4

Hourly Distribution of Rocky Mount Traffic Crashes in Year 2019

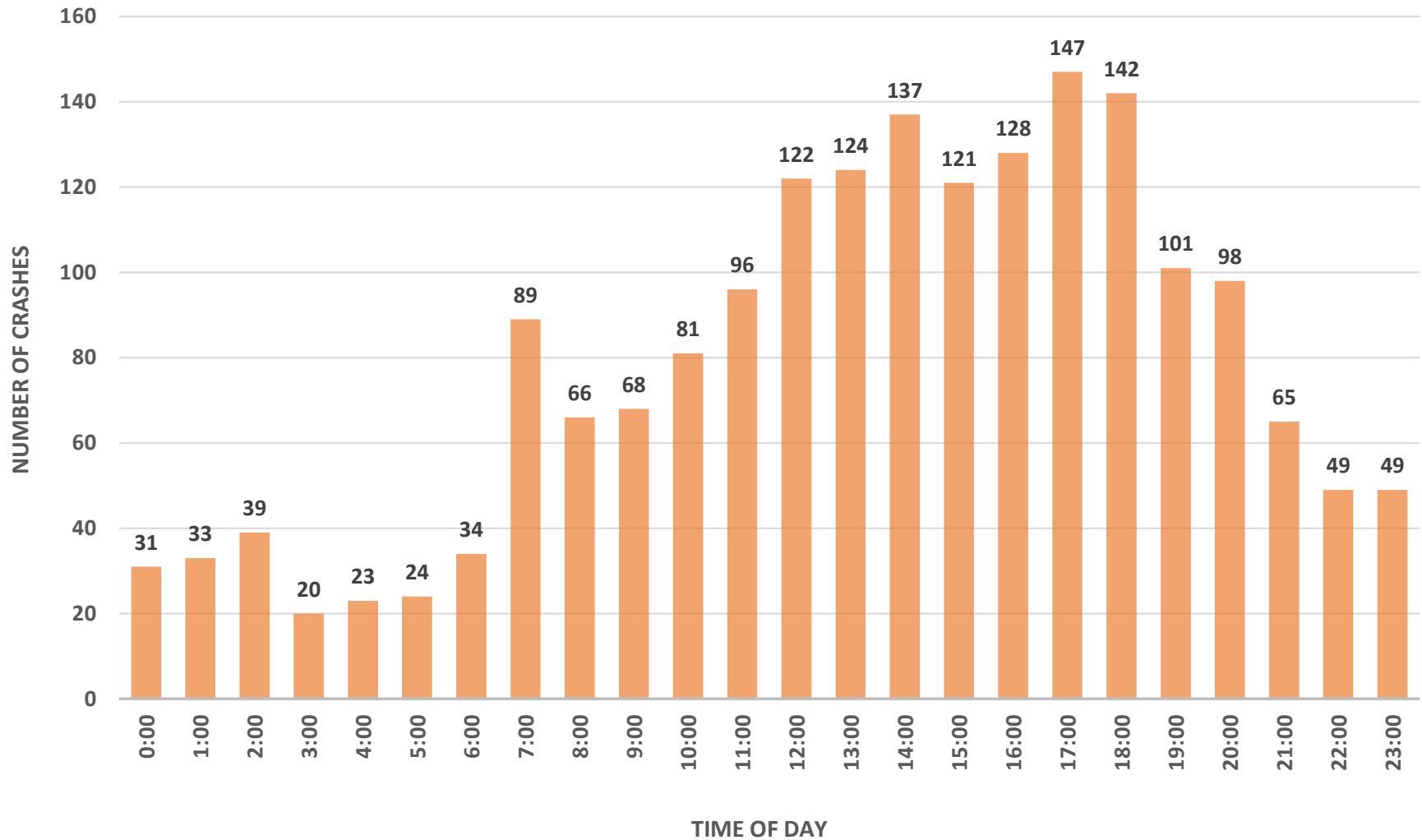


Figure 5

Daily Distribution of Rocky Mount Traffic Crashes

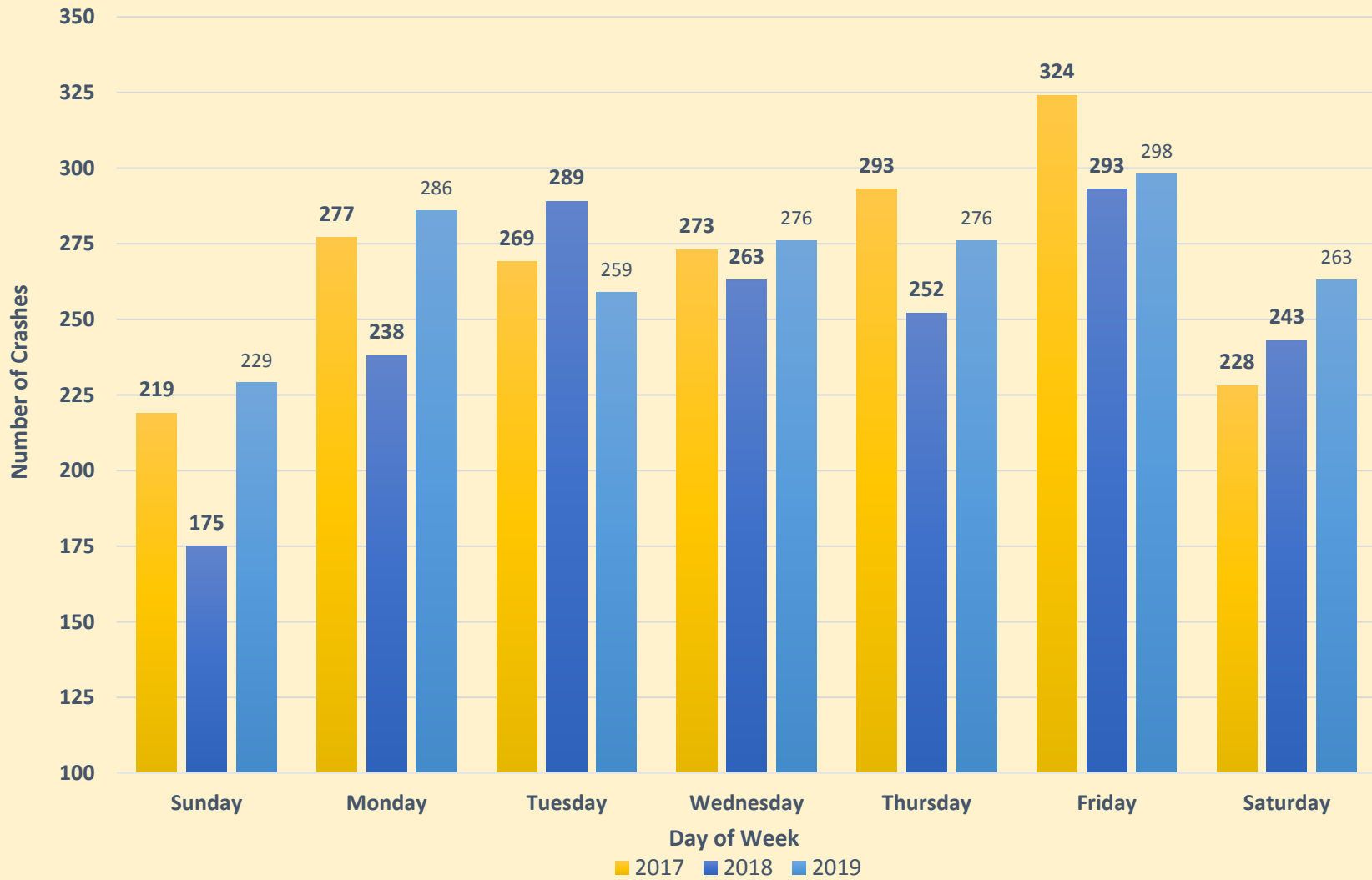


Figure 6

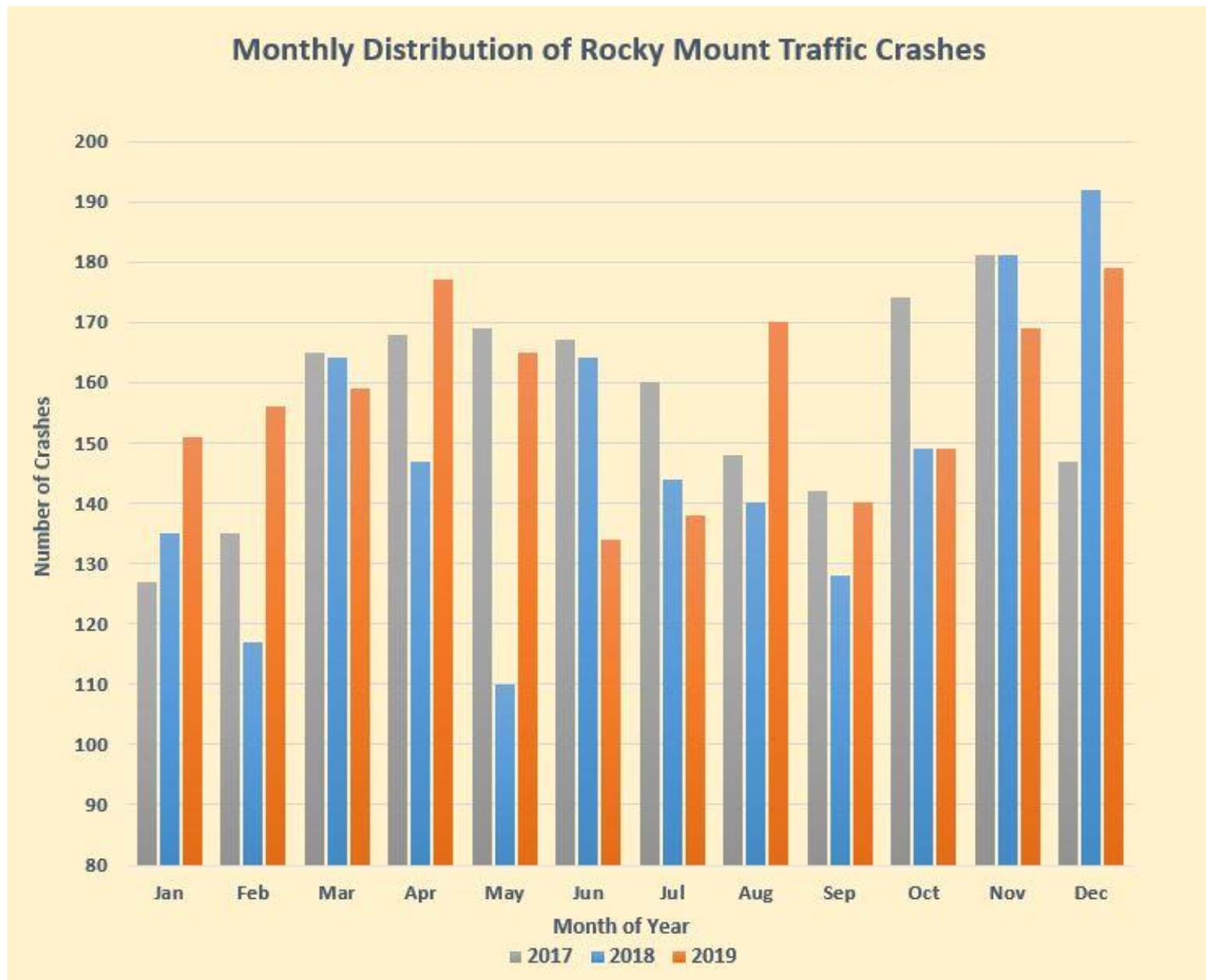


Figure 7

TRAFFIC FATALITIES

One traffic fatality is too many!
Vision Zero is a USDOT program to combat traffic crashes, reduce serious injury, and eliminate traffic fatalities.

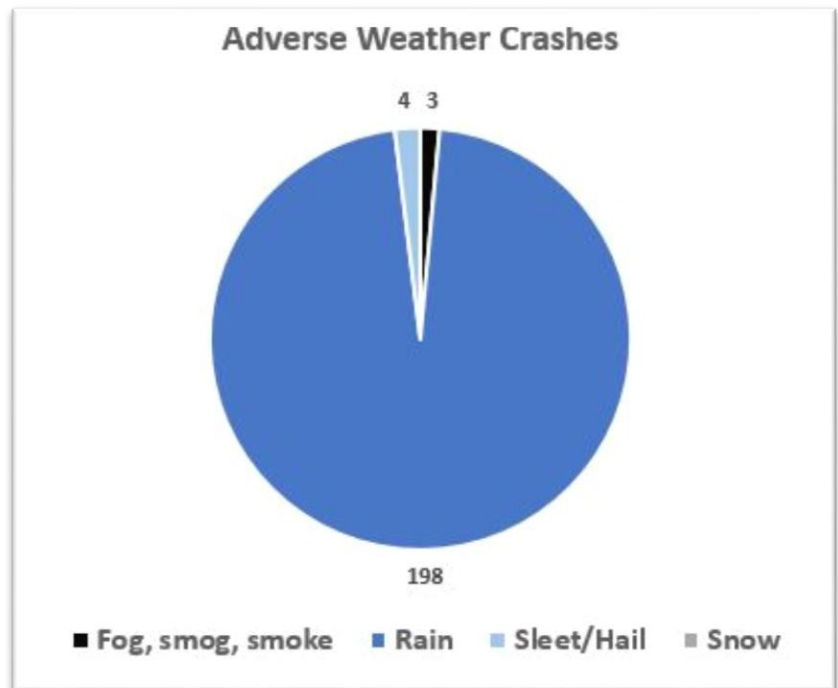
Risky driving behavior, like alcohol use, speeding, failure to wear seat belt and distracted driving contribute to traffic fatalities. Pedestrian violations too can be dangerous.

36,560 people died in motor vehicle crashes in the U.S. in 2018.

The Table on page 16 is a summary of 2019 traffic fatalities in Rocky Mount.

Figure 9 shows the continuing traffic fatality problem in Rocky Mount over a twenty-year period. Often the fatality number for the year will be low, and then within days the annual fatality count will climb. After watching the local trend for years, one can sense the coming tragedy. The Rocky Mount traffic fatality count in 2019 was ten.

See Figure 10 for a display of annual traffic fatality development.



10.8% of all traffic crashes in 2019 happened during adverse weather conditions, however no fatalities were recorded during this inclement weather.

Figure 8

Rocky Mount Traffic Fatality Report Year 2019

#	<u>Location</u>	<u>Date</u>	<u>Time of Day</u>	<u>Type</u>	<u>DWI</u>	<u>Speeding</u>	<u>Number of Vehicles</u>	<u>Number of Injuries</u>	<u>Number of Fatalities</u>
1	Beechwood Dr & Old Mill Rd	01/17/19	21:50	ROR	No	Yes	1	1	1
2	Airport Rd/Tiffany Blvd & Wesleyan Blvd	03/28/19	12:29	RA	No	Yes	2	4	1
3	NC 97 & Tanner Rd	04/01/19	18:10	ROR	Yes	Yes	1	0	1
4	Grace St & Raleigh Blvd	04/08/19	23:36	RA	Yes	Yes	2	3	1
5	Cooley Rd & US 301/Wesleyan Blvd	04/20/19	15:29	ROR	No	No	2	1	2
6	Cloverdale Dr & Farmington Rd	05/24/19	17:32	UO	Yes	No	1	2	1
7	Arlington St & Vestal Rd	08/13/19	18:23	LC	No	No	1	2	1
8	Goldrock Rd & Roundtree Dr/Waterloo Dr	08/28/19	18:11	RT	Yes	Yes	3	3	1
9	Hunter Hill Rd & Strawbush Rd	11/25/19	11:37	BIKE	No	No	2	0	1
	Total Fatalities Year 2019								10

Fatalities By Year (2000 - 2019)

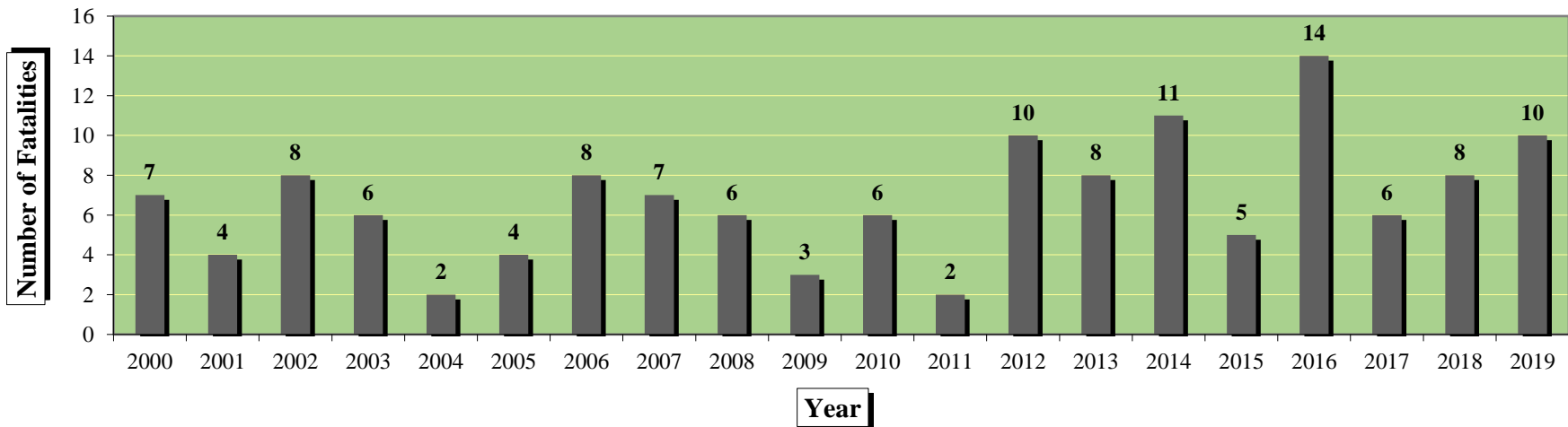


Figure 9

The Annual Tally of Rocky Mount Traffic Fatalities by Month

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec										
2009	0			1									2	3								
2010	0			1	2		3	4	5			6										
2011	1		2																			
2012	1	2	4		5		6	7		8	10											
2013	0	2		3		4	5		6		7	8										
2014	0		1		4	5		6		9	11											
2015	0			2				3	4		5											
2016	0		4			5		6		10	12	14										
2017	0		1		2	3				6												
2018	1		2			3		4	7			8										
2019	1		3	6	7				9				10									
Number of Fatalities:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Figure 10

CITY of ROCKY MOUNT TRAFFIC CRASH STATISTICS

Key Indicators	2015	2016	2017	2018	2019
Total Crashes	1,879	1,877	1,883	1753	1887
Total Fatalities	5	14	6	8	10
Average Crashes Per Day	5.1	5.1	5.2	4.8	5.2
Most Frequent Crash Day	Friday	Friday	Friday	Friday	Friday
Least Frequent Crash Day	Sunday	Sunday	Sunday	Sunday	Sunday
Most Frequent Crash Hour	5:00 PM	5:00 PM	5:00 PM	5:00 PM	5:00 PM
Least Frequent Crash Hour	3:00 AM	4:00 AM	4:00 AM	4:00 AM	3:00 AM
Most Frequent Crash Month	December	November	November	December	December
Least Frequent Crash Month	July	January August	January	May	June
Days Per Year Without a Crash	4	3	4	4	2
Most Frequent Crash Type	Rear End	Rear End	Rear End	Rear End	Rear End
State of NC Crash Ranking * (City of Rocky Mount)	10	8	12	9	Not Available

* State of North Carolina Crash rankings are based on many factors. For 86 cities with populations of 10,000 or more, a ranking of "1" would indicate the worst case situation, and a ranking of "86" would indicate the best case situation.

The data presented in this document reflects public street crashes only and does not include crashes that occur on private property.

UNIT# ☐ VEHICLE ☐ PEDESTRIAN ☐ HIT & RUN ☐ OTHER

Driver	_____	_____	_____	_____
	First	Middle	Last	Suffix
Address	_____			
City	_____		State	Zip _____
Same Address on Driver's License?	Driver's Phone Numbers	H (_____) _____ W (_____) _____		
<input type="checkbox"/> Yes <input type="checkbox"/> No				
D.L. # _____	CDL License <input type="checkbox"/>		State _____	
DOB _____	34 Vision Obstruction _____	35 Physical Condition _____	36 D.L. Restrictions _____	
mm/dd/ccyy				
37 Alcohol/Drugs Suspected _____	38 Alcohol/Drugs Test _____	39 Results (if known) _____	40 Vehicle Seizure (DWI) <input type="checkbox"/>	

Owner _____
 Same as Driver? ☐

Address _____
 Same Address as Driver? ☐

City _____ State _____ Zip _____

Plate # _____ Plate _____ Plate _____
 State _____ Year _____

VIN _____

Vehicle _____ Vehicle _____ 41 Vehicle _____ 42 Vehicle _____ Yes
 Make _____ Year _____ Style (Type) _____ Drivable ☐ No

43 TAD _____ 44 Estimated _____
 Damage _____

Insurance _____
 Company _____

Policy # _____

Carrier Identification Numbers, GVWR, Axles

US DOT# _____ ICC# _____ Axles on Vehicle
Including Trailers _____

State _____ State# _____ IFTA# _____

FEI# _____ Fleet# _____ Gross Vehicle
Weight Rating _____

21	22	23	24	25	26	27	28	29	30	31	32	Names and Addresses for All Persons (Unit 1/Unit 2 Drv, Ped, etc. - See Above); Use check blocks if address same as Driver
----	----	----	----	----	----	----	----	----	----	----	----	--

46 Name of EMS _____ 46 Name of EMS _____

47 Injured Taken _____ 47 Injured Taken _____
by EMS to (Treatment Facility and City or Town) by EMS to (Treatment Facility and City or Town)

84 **DIAGRAM**

Indicate North

The diagram is a technical drawing on a grid background. It features a complex layout of lines, circles, and various symbols. The diagram is labeled "84 DIAGRAM" in the top left corner. A small box in the top left corner contains the text "Indicate North". The diagram includes several circles of different sizes, some of which are labeled with numbers or letters. There are also various lines, including straight lines and curved lines, that form a network across the grid. Some symbols resemble crosshairs or small crosses. The overall layout is a technical drawing, possibly a map or a schematic diagram, with a focus on precise measurement and alignment.

[illegible]

WITNESSES

Name _____ Address _____ Phone No. (_____) _____

Name _____ Address _____ Phone No. (_____) _____

Officer Name	Officer Number	Department	Date of Report
--------------	----------------	------------	----------------

APPENDIX

Traffic Safety Resources

NCDOT Traffic Safety Information and Resources

<https://connect.ncdot.gov/resources/safety/Pages/default.aspx>

USDOT Transportation Safety Institute

<https://www.transportation.gov/transportation-safety-institute>

UNC Highway Safety Research Center

<http://www.hsrb.unc.edu/>

Governor's Highway Safety Program

<https://www.ncdot.gov/initiatives-policies/safety/ghsp/Pages/default.aspx>

Insurance Institute for Highway Safety

<https://www.iihs.org/iihs>

AAA Foundation for Traffic Safety

<https://aaaafoundation.org/>