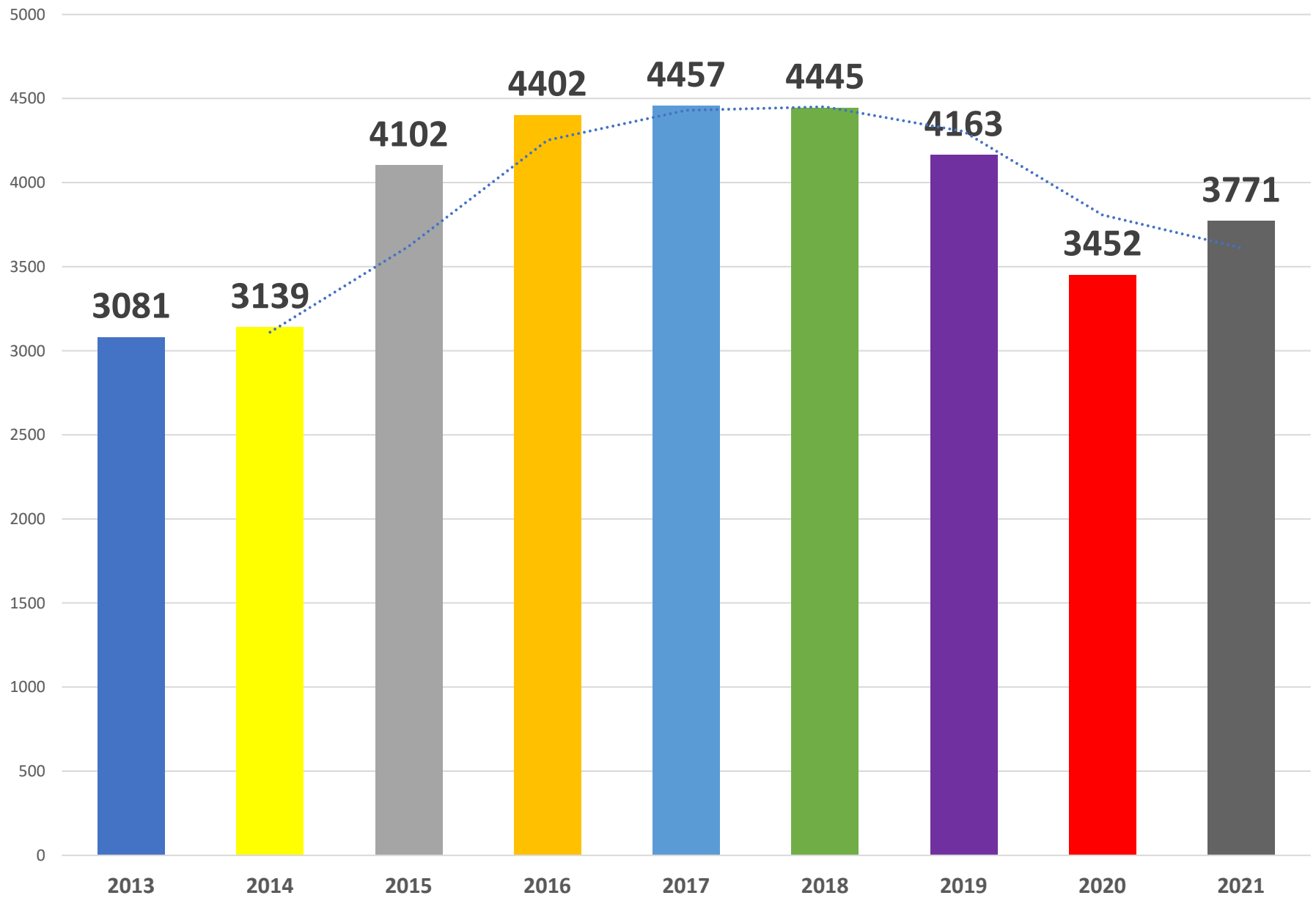


## 2021 COLLISION ANNUAL REPORT

- 3,771 collisions were reported in 2021, up by 319 collisions from 2020, but still lower than yearly collisions from 2015 to 2019. The slight increase can be contributed to more cars back on the roadway compared to the COVID-19 year of 2020.
- Friday was the highest day of week for collisions with 659, Sundays the lowest with 345, similar to historic data.
- Collisions trended upward toward a peak around 3pm-5pm, similar to historic data
- Monday through Wednesdays in the 4pm hour were the peak time frames, with afternoon “rush hours” seeing the highest volume of collisions each weekday.
- There were 5 collisions involving a fatality last year, down from 8 in 2020 but still trending upward since 2016.
- Percentage of collisions with an injury remained at 15% for 2021, compared to 18% in 2018 and 2019. High number of collisions with injuries occurred in the northeast corridors of Rock Hill as well as the Dave Lyle/I-77 corridor.
- Distraction/inattention was the top factor for collisions with 813, similar to 2020. Other factors such as failed to yield right of way, followed too closely, disregarding signs/signals and driving too fast for conditions were often cited as well. Areas in the city that saw multiple collisions related to alcohol were Celanese/Mt Gallant, Celanese/I-77 and the Dave Lyle/Quantz areas.
- The top intersections for collisions were the Tinsley/Chamberside/Dave Lyle intersection with 55 collisions along with the Celanese/Mt Gallant intersection. Other intersections with higher number of collisions were Springsteen/John Ross/Dave Lyle, Celanese/Riverchase, Patriot/Automall/Cherry and Cherry and Mt Gallant, all 50 or more collisions.
- During the weekdays, collisions were highest on the northeastern side of the city, as well as around the hospital, Winthrop/downtown and Galleria mall areas which is historically the trend. On the weekends, the Dave Lyle/I-77 area sees a higher concentration as well as the northeast areas of the city.
- The two DDACTS (data driven approach to crime and traffic safety) areas in the city accounted for 19.3% of all collisions in the city, down slightly compared to 2020. These areas are a focus for the police department for reducing crimes and collisions.
- Rear end collisions were by far the most prevalent manner of collision in 2021, with 1092 collisions. Weather played an impact as 244 collisions occurred during rainy conditions. There were 17 collisions involving a school bus in 2021 which was higher than previous years. Pedestrian (13) and Bicycle (10) collisions remained low in 2021.

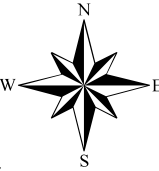
TOTAL COLLISIONS BY YEAR 2013-2021



# ALL COLLISIONS BY AREA (10 OR MORE) 2021



0 0.25 0.5 1 Miles



## COLLISION COUNT (>=10)

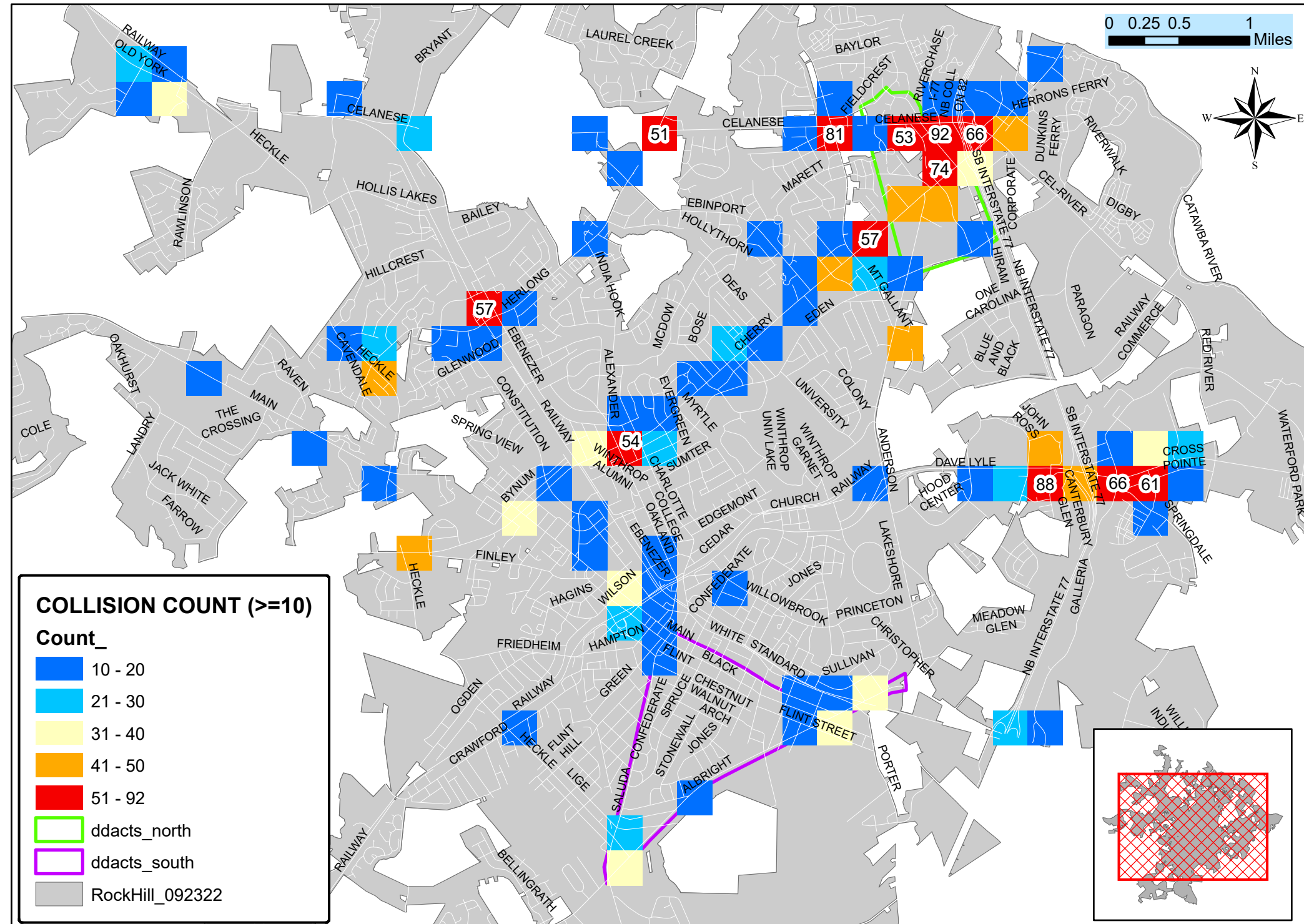
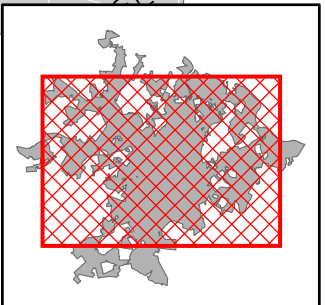
Count\_

- 10 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- 51 - 92

■ ddacts\_north

■ ddacts\_south

■ RockHill\_092322

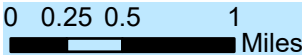


## TOP COLLISION INTERSECTIONS- 2021

INTERSECTION	COUNT	TRAFFIC COUNTS
TINSLEY/CHAMBERSIDE/DAVE LYLE	55	DAVE LYLE 20,800
MT GALLANT/CELANESE	55	MT GALLANT 13,100; CELANESE 45,400
SPRINGSTEEN/JOHN ROSS/DAVE LYLE	52	DAVE LYLE 20,800
RIVERCHASE/CELANESE	50	CELANESE 45,400
PATRIOT/AUTOMALL/CHERRY	50	CHERRY 36,100
MT GALLANT/CHERRY	50	MT GALLANT 13,100; CHERRY 27,900
HERLONG/HECKLE	47	HERLONG 21,500; HECKLE 16,300
INDIA HOOK/CELANESE	45	INDIA HOOK 20,700; CELANESE 40,900
SPRINGDALE/DAVE LYLE	43	SPRINGDALE 5,600; DAVE LYLE 37,400
SECESSION/MILLER POND/OLD YORK	43	OLD YORK 29,600
CHERRY/ANDERSON	42	CHERRY 36,100; ANDERSON 21,400
HECKLE/MCCONNELLS/CHERRY	42	HECKLE 19,200; CHERRY 13,000
MEETING/DAVE LYLE	42	DAVE LYLE 37,400

ALL COLLISIONS BY INTERSECTION- 2021

INTERSECTIONS OVER 45 COLLISIONS LABELED (COLLISIONS MAPPED TO CLOSEST INTERSECTION)



HERLONG/HECKLE- 47

MT GALLANT/CELANESE- 55

RIVERCHASE/CELANESE- 50

PATRIOT/AUTOMALL/  
CHERRY- 50

MT GALLANT/CHERRY- 50

TINSLEY/CHAMBERSIDE/  
DAVE LYLE- 55

SPRINGSTEEN/JOHN ROSS/  
DAVE LYLE- 52

COLLISIONS BY INTERSECTION (>=10)

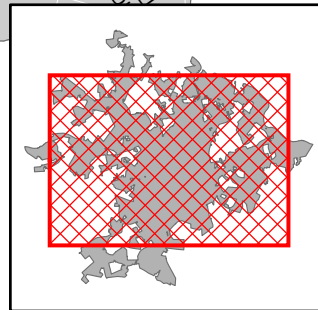
Count\_

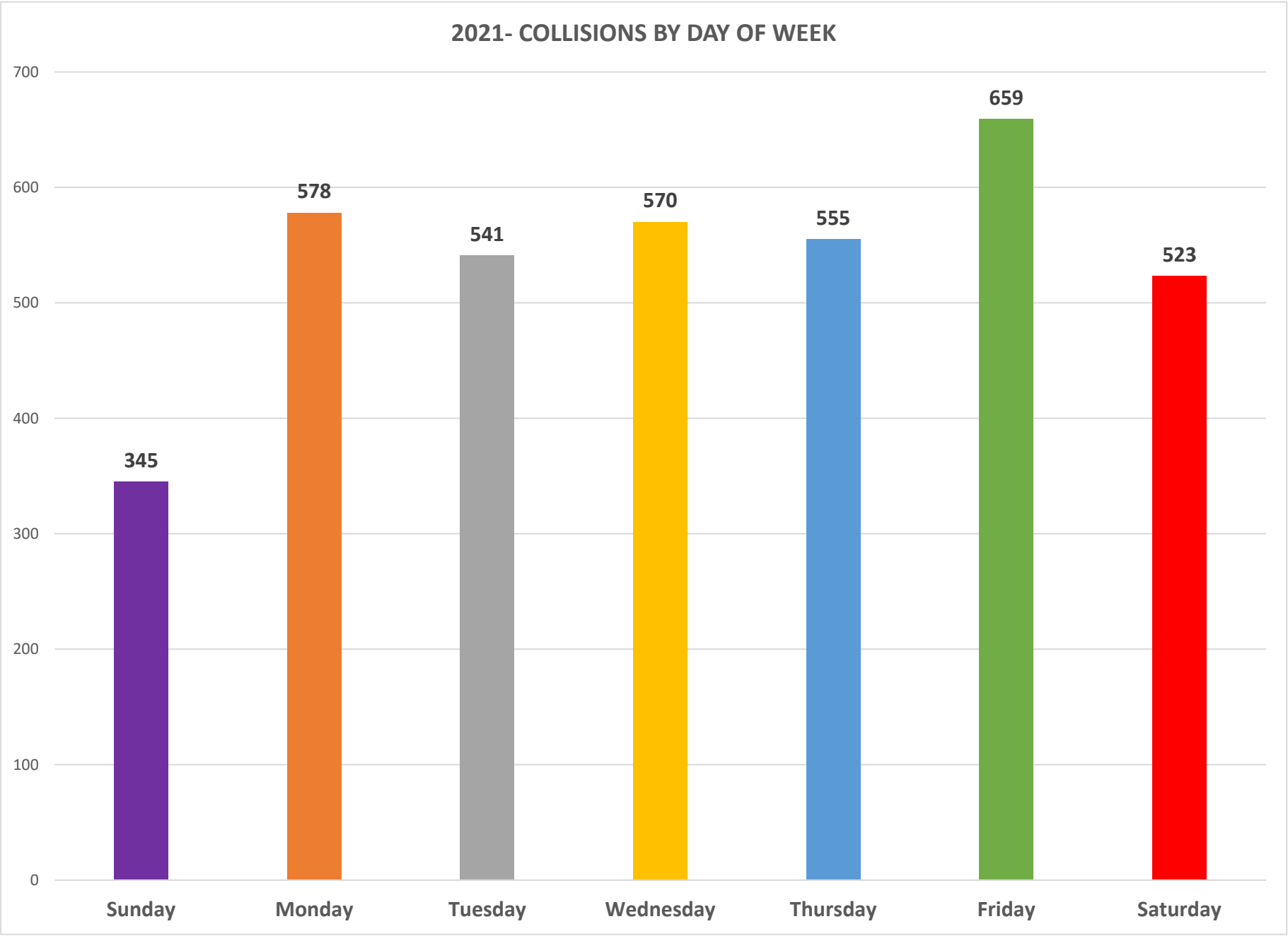
- 10 - 15
- 16 - 20
- 21 - 35
- 36 - 45
- 46 - 55

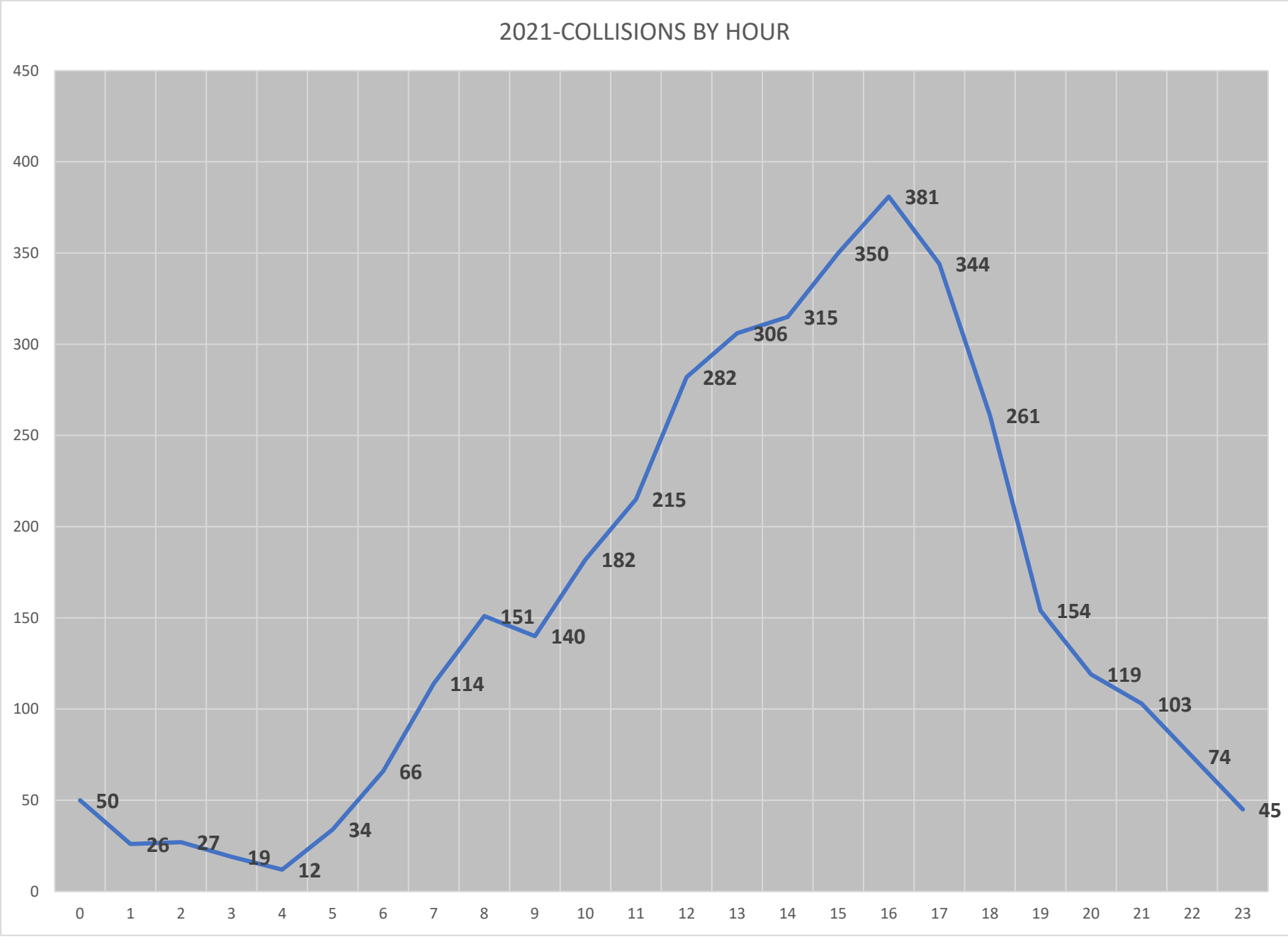
ddacts\_north

ddacts\_south

RockHill\_092322







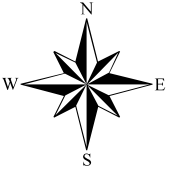
# 2021 COLLISIONS BY HOUR/DOW

HOUR/DOW	DOW							
HOUR	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
0	15	2	10	2	4	10	7	50
1	8	2	2	4	2	3	5	26
2	8	3	4	3	1	3	5	27
3	4		1	2	4	5	3	19
4	1	1	3	2	1	2	2	12
5	3	5	2	5	11	4	4	34
6	2	17	9	12	11	11	4	66
7	1	22	22	27	11	26	5	114
8	8	23	21	30	28	29	12	151
9	10	28	23	24	20	19	16	140
10	15	33	23	26	30	28	27	182
11	15	29	32	34	30	44	31	215
12	21	35	42	53	43	47	41	282
13	32	50	43	44	37	53	47	306
14	43	45	37	35	39	63	53	315
15	27	50	56	57	58	56	46	350
16	29	73	66	65	54	59	35	381
17	39	55	57	50	51	50	42	344
18	14	45	32	36	50	49	35	261
19	13	20	18	20	27	27	29	154
20	13	18	8	19	16	19	26	119
21	13	10	13	11	15	20	21	103
22	6	7	10	4	10	20	17	74
23	4	5	7	5	2	12	10	45
Grand Total	344	578	541	570	555	659	523	3770

# ALL COLLISIONS BY AREA- WEEKDAYS (10 OR MORE) 2021



0 0.25 0.5 1  
Miles



## WEEKDAY COLLISIONS (>=10)

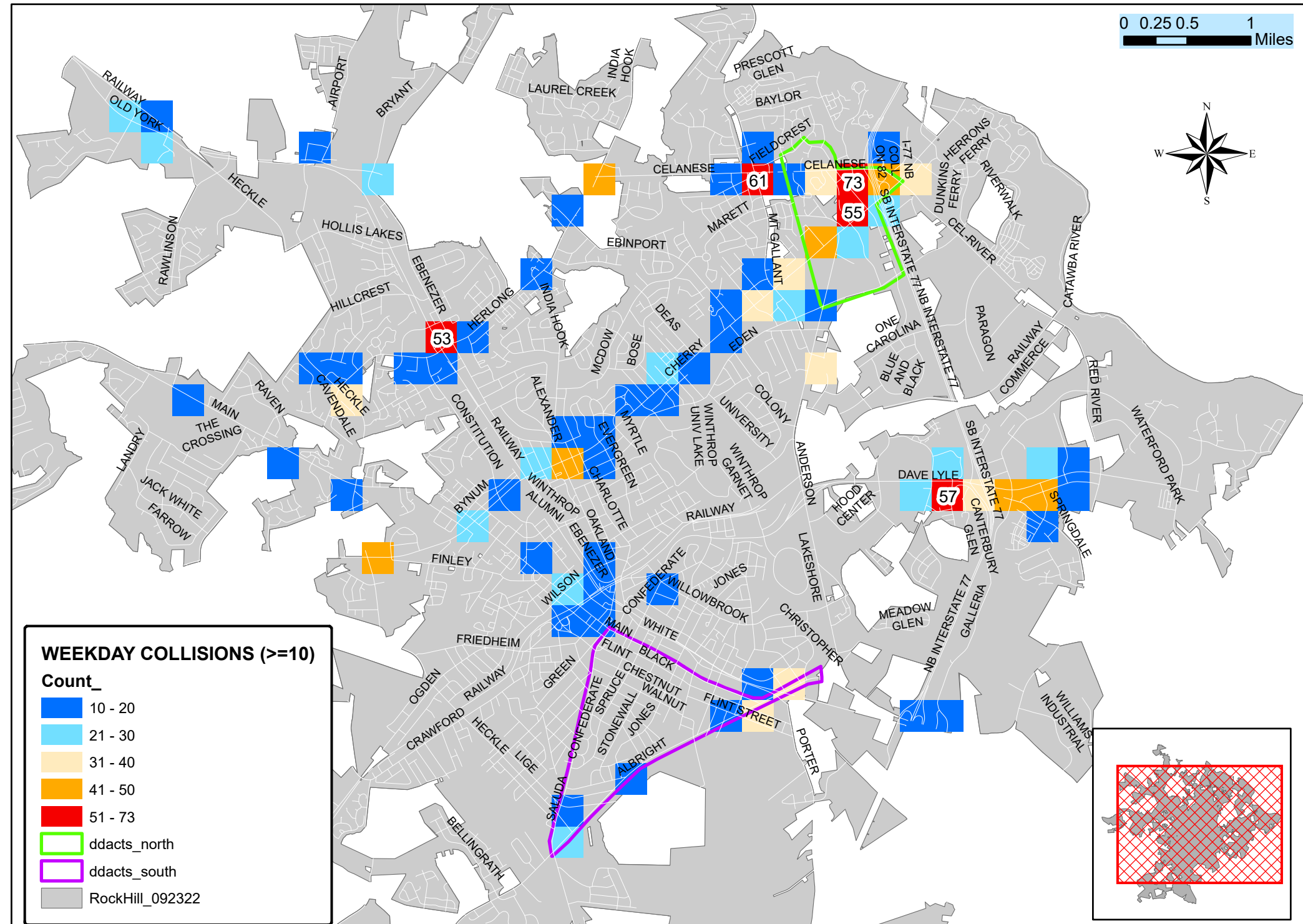
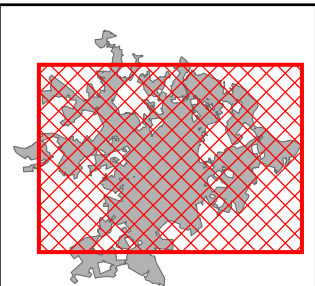
Count\_

- 10 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- 51 - 73

ddacts\_north

ddacts\_south

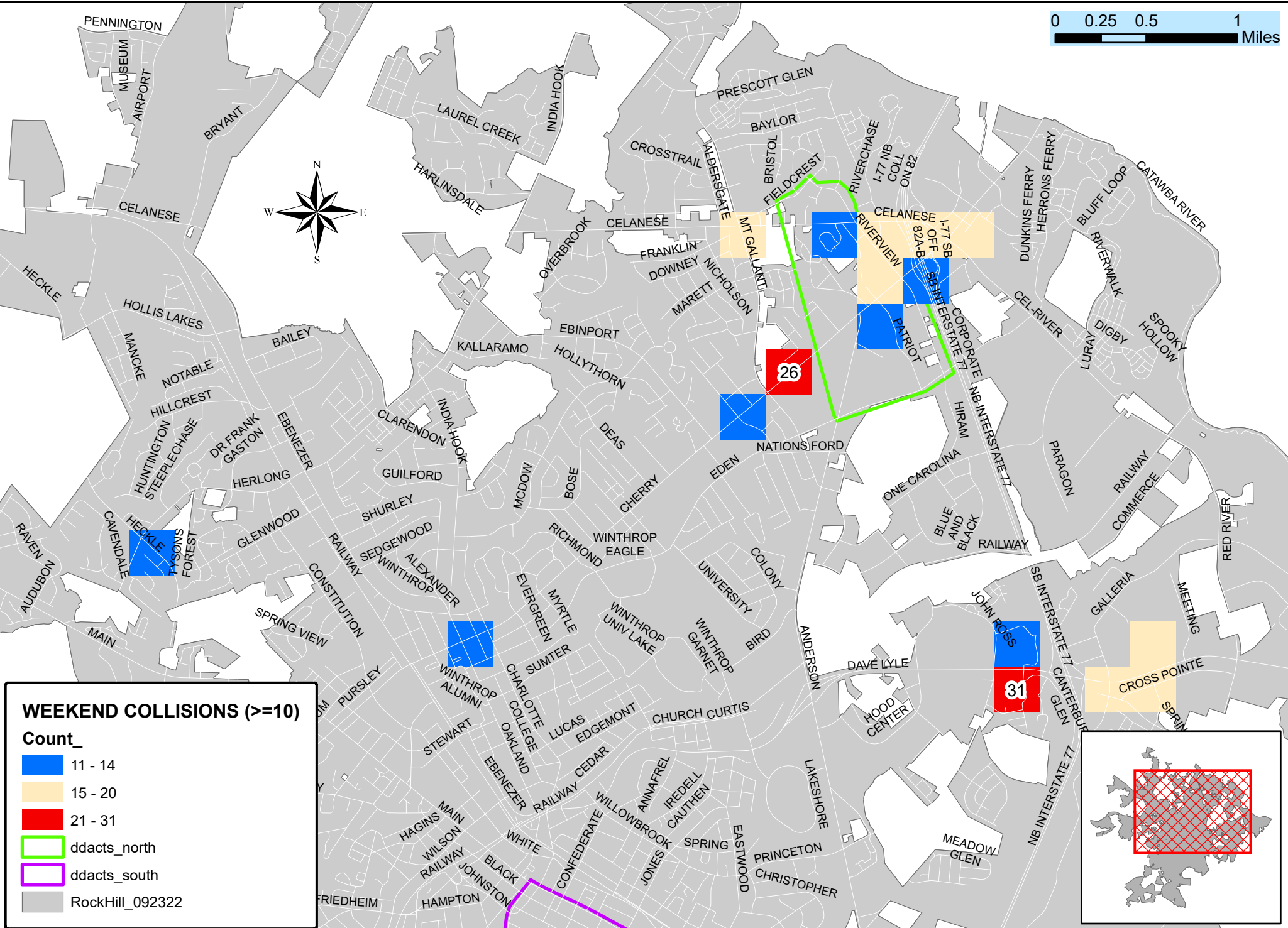
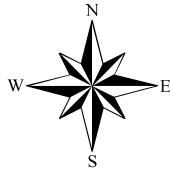
RockHill\_092322



# ALL COLLISIONS BY AREA- WEEKENDS (10 OR MORE) 2021



0 0.25 0.5 1 Miles



## WEEKEND COLLISIONS (>=10)

Count\_

11 - 14

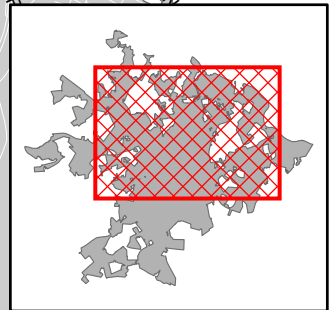
15 - 20

21 - 31

ddacts\_north

ddacts\_south

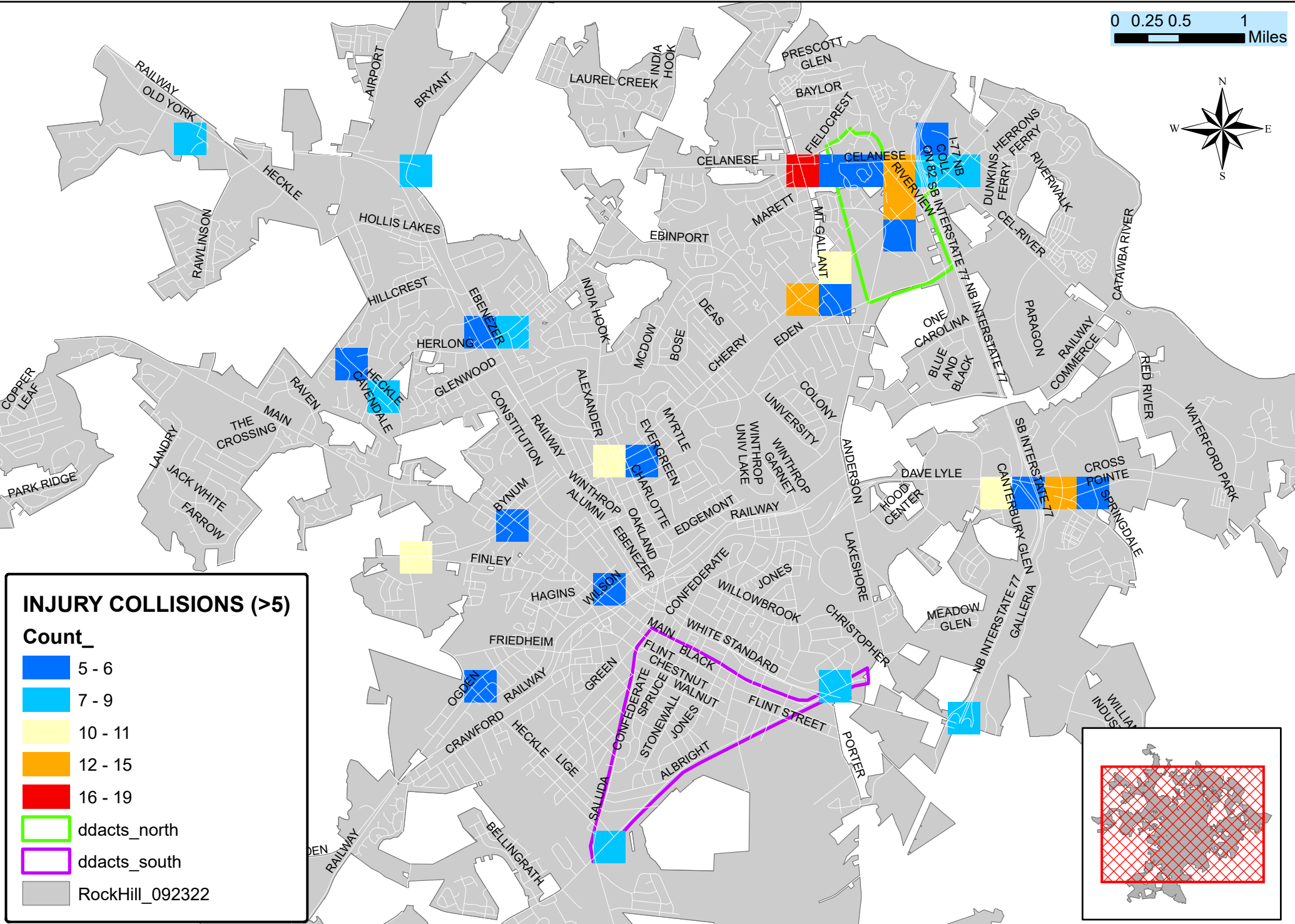
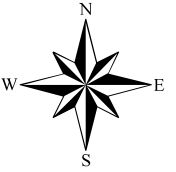
RockHill\_092322



# ALL COLLISIONS WITH INJURIES BY AREA (5 OR MORE) 2021



0 0.25 0.5 1 Miles

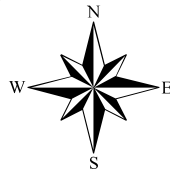


# COLLISIONS- DDACTS AREAS (DATA DRIVEN APPROACH TO CRIME AND TRAFFIC SAFETY)

2021



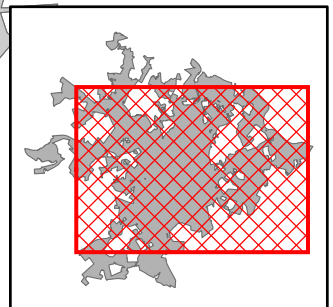
0 0.25 0.5 1 Miles



478 COLLISIONS  
12.7% OF TOTAL

249 COLLISIONS  
6.6% OF TOTAL

ddacts\_north  
ddacts\_south  
RockHill\_092322

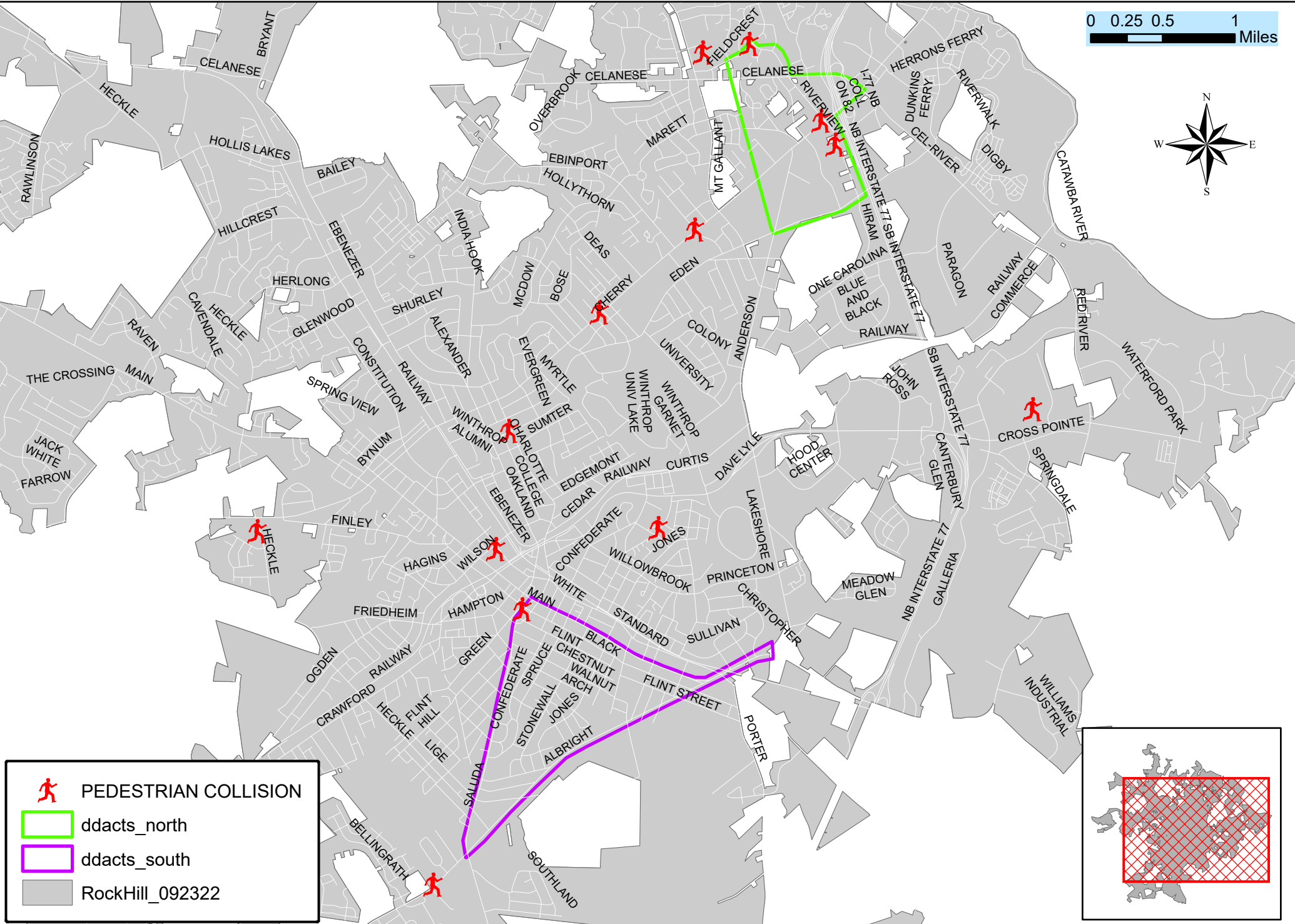
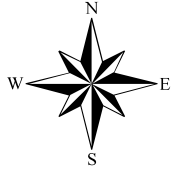


# COLLISIONS INVOLVING PEDESTRIANS

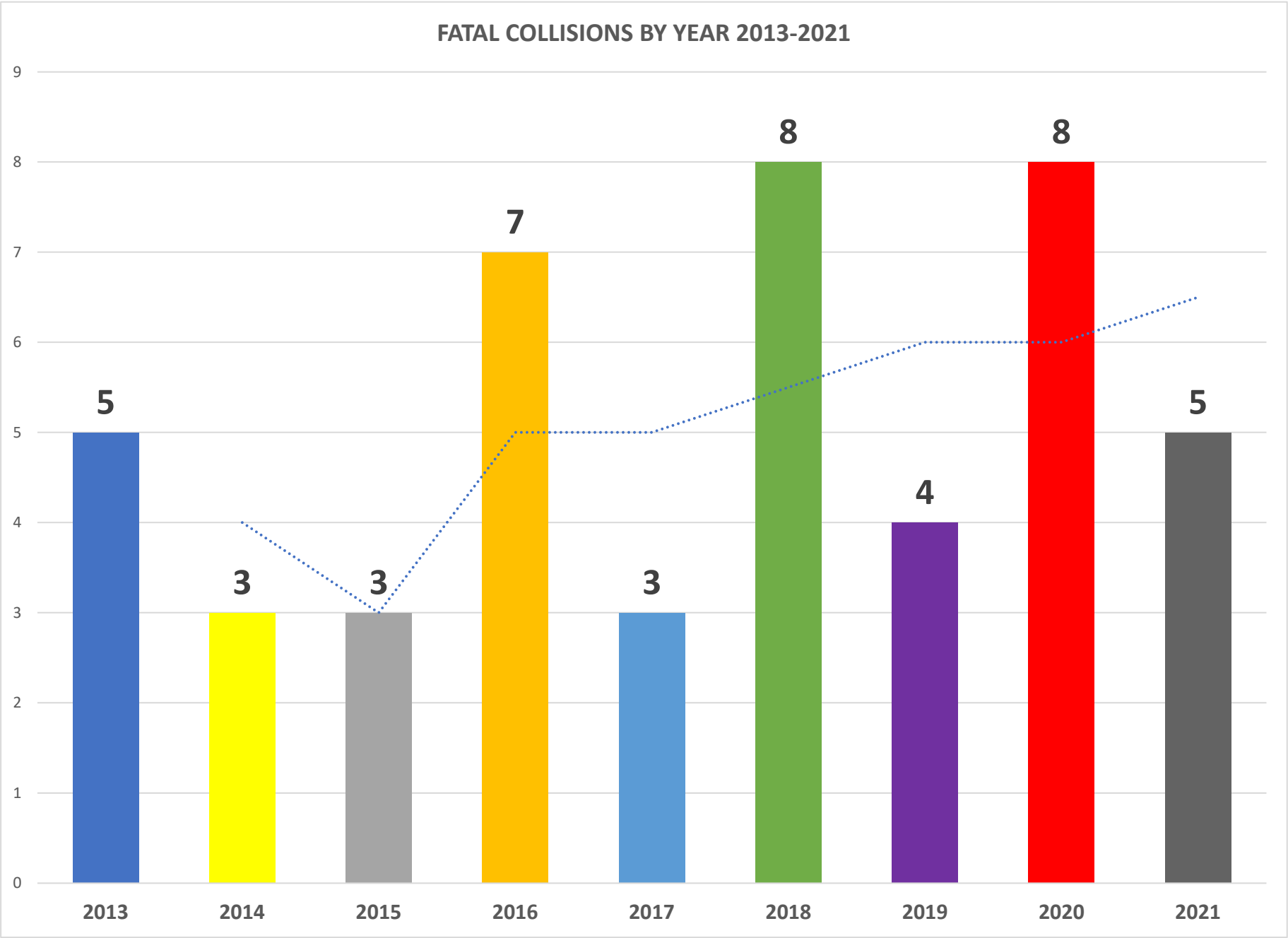
## 2021



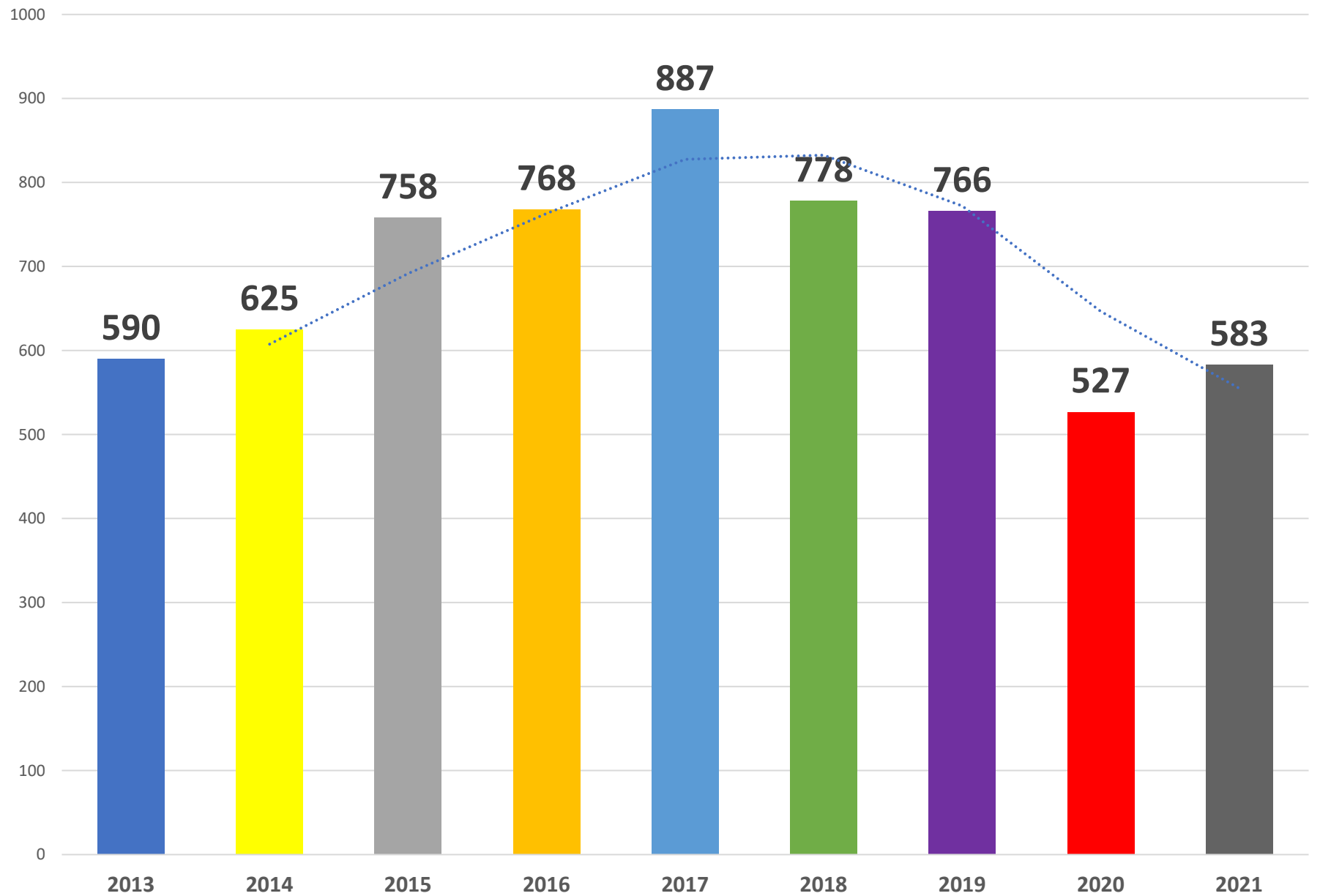
0 0.25 0.5 1  
Miles



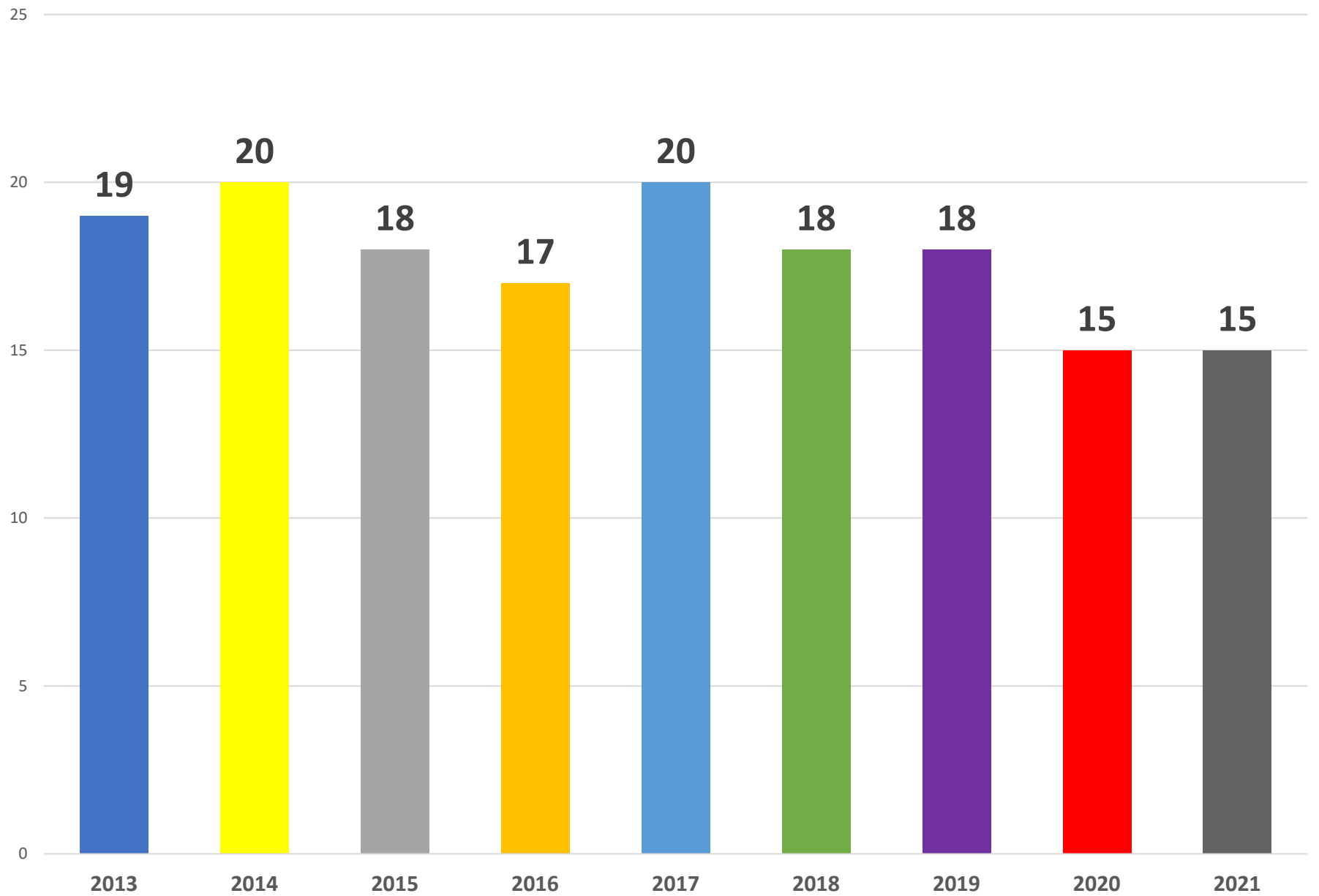




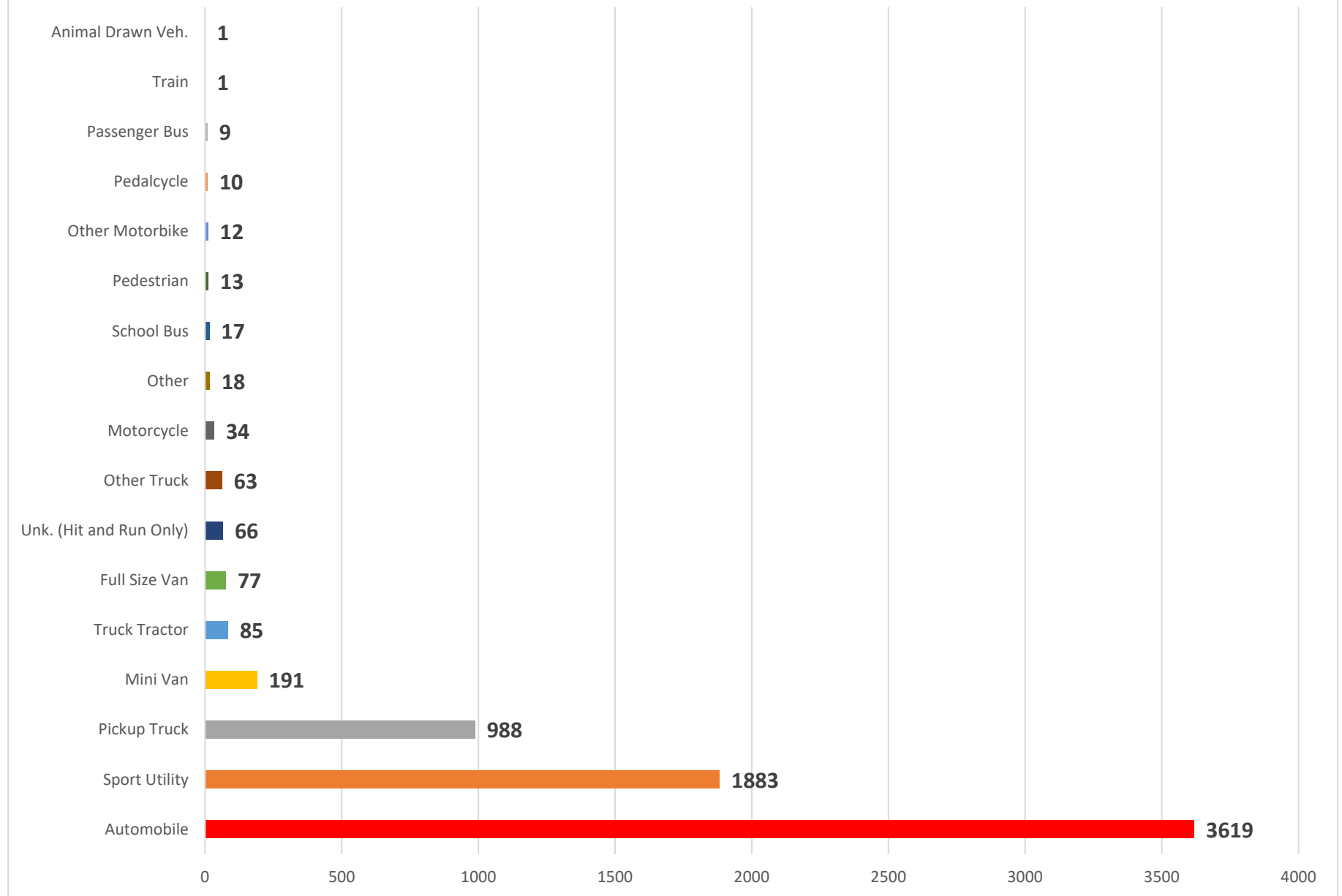
### COLLISIONS WITH INJURIES BY YEAR 2013-2021



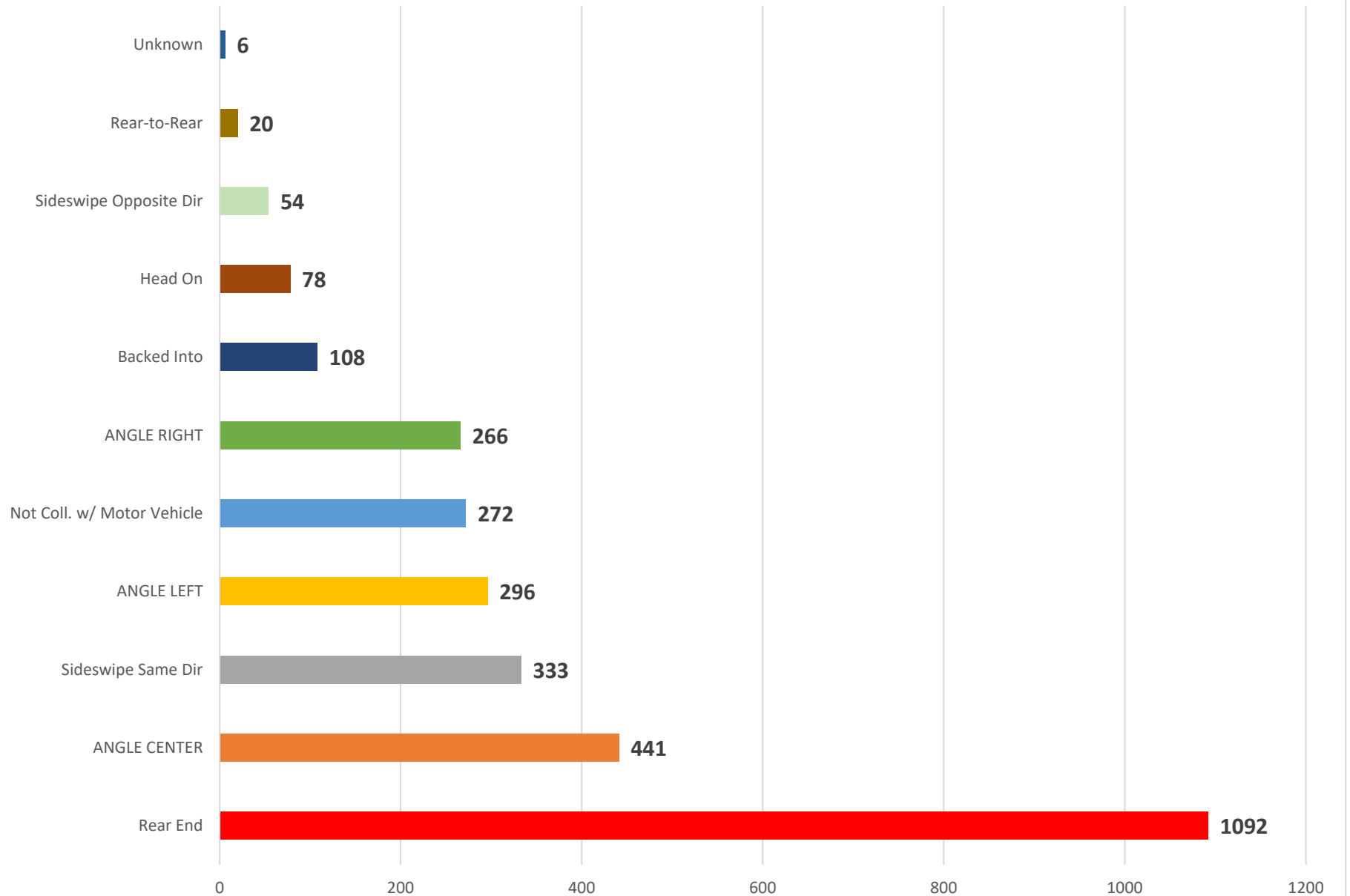
PERCENTAGE OF TOTAL COLLISIONS WITH INJURIES BY YEAR 2013-2021



## TYPE OF VEHICLE OR OTHER INVOLVED IN COLLISIONS- 2021



### MANNER OF COLLISION (IF STATED)- 2021



## PRIMARY FACTOR OF COLLISIONS (10 OR MORE COLLISIONS)- 2021

