Winter Street Ext. at Bloomingrove Drive
All collisions from 01/01/2008 to 7/14/2021

Total Qualifying Accidents: 75

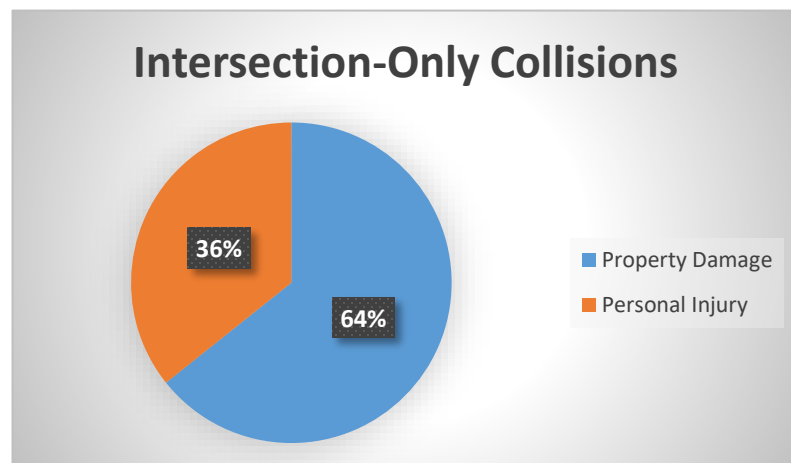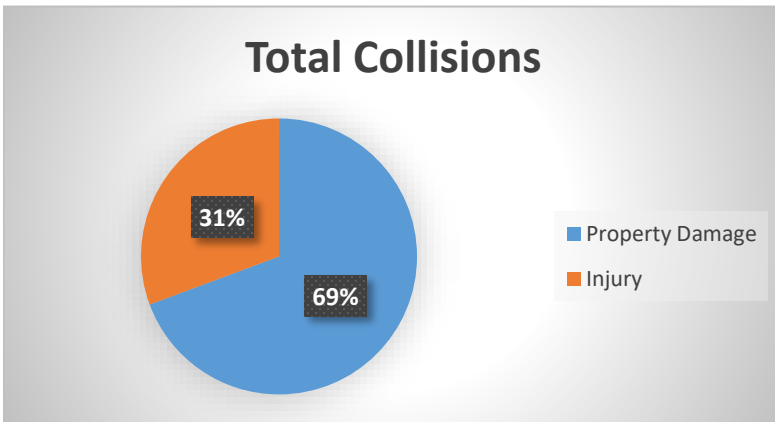|	Total	% of all
Rear end collisions on Bloomingrove Dr:		
Bloomingrove Dr Northbound	17	22.66%
Bloomingrove Southbound	0	0.00%
Winter St Eastbound	0	0%
Winter St Westbound	2	2.66%
Right Angle Collisions in Intersection:		
Bloomingrove N/B hits Winter St Ext E/B	16	21.33%
Bloomingrove N/B hits Winter St Ext W/B	9	12.00%
Bloomingrove S/B hits Winter St Ext E/B	13	17.33%
Bloomingrove S/B hits Winter St Ext W/B	8	10.66%
Winter St Ext E/B turns IFO Winter St Ext W/B	5	6.66%
Winter St Ext W/B turns IFO Winter St Ext E/B	1	1.33%
1 Vehicle Off Roadway Only:	4	5.33%

Collisions can be broken down into 4 main categories using the above data. These are illustrated on the graph below. As can be seen, the most major concern is Bloomingrove Dr traffic failing to yield the right of way to traffic on Winter St Ext.
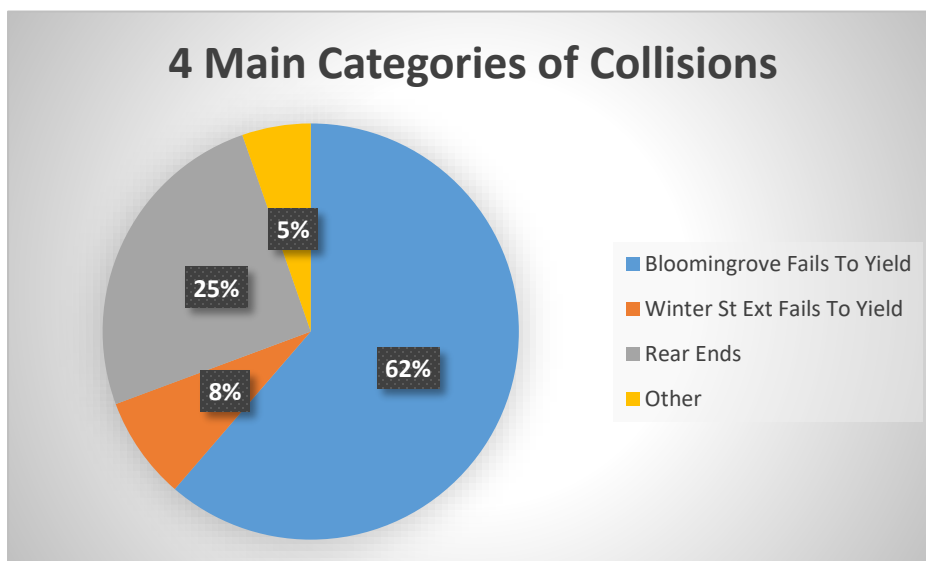
Injuries

| Year	PDAA	PIAA	Total collisions	
2008	1	5	6	
2009	3	1	4	
2010	5	2	7	
2011	4	0	4	
2012	5	5	10	
2013	4	1	5	
2014	6	0	6	
2015	2	1	3	
2016	2	0	2	
2017	2	3	5	
2018	8	2	10	
2019	4	1	5	
2020	2	0	2	
2021	4	2	6	*As of date above

As illustrated in the graph below, roughly 1 in 3 collisions at this intersection result in injury. Since the concern is regarding the intersection safety, rear end collisions can be disregarded when evaluating that. 16 rear end collisions were PDAA only. 3 were PIAA (2 complaints of pain and 1 abrasion).

Total Collisions

- Property Damage 69%
- Injury 31%

Intersection-Only Collisions

- Property Damage 64%
- Personal Injury 36%

Total by time of day:

Time	Count	Percent
6 AM to 7 AM	1	1.33%
7AM to 8 AM	2	2.66%
8AM to 9 AM	5	6.66%
9AM to 10 AM	1	1.33%
10 AM to 11 AM	2	2.66%
11 AM to 12 PM	6	8%
12 PM to 1 PM	4	5.33%
1 PM to 2 PM	11	14.66%
2 PM to 3 PM	8	10.66%
3 PM to 4 PM	9	12%
4 PM to 5 PM	10	13.33%
5 PM to 6 PM	7	9.33%
6 PM to 7 PM	4	5.33%
7 PM to 8 PM	2	2.66%
8 PM to 9 PM	1	1.33%
9 PM to 10 PM	1	1.33%
10 PM to 11 PM	1	1.33%

No other times of day are represented with collisions
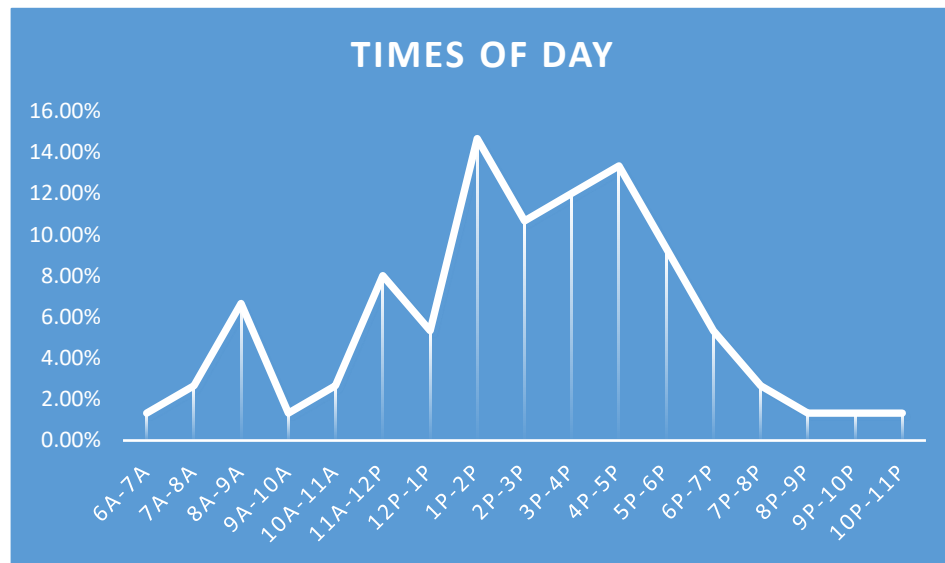
Total by age range (driver causing the collision)

16-20	20	26.66%
21-25	10	13.33%
26-30	2	2.66%
31-35	7	9.33%
36-40	3	4%
41-45	0	0%
46-50	5	6.66%
51-55	2	2.66%
56-60	2	2.66%
61-65	3	4%
66-70	4	5.33%
71-75	4	5.33%
76-80	4	5.33%
81-85	7	9.33%
86-90	1	1.33%
91-95	1	1.33%

As shown in the graph below, the 16-25 YOA group accounts for 40% of all collisions. To evaluate the extent that HVCC students caused a collision, further analysis was done. Assumptions had to be made thatcollisions happening only during school hours, only collisions where the vehicle was directly heading to for from the direction of the school, and ages between 17 and 22 would be applicable. While the originations and destinations of these drivers cannot be known, it is more likely thatthese are students. It was found that only 13 of the 30 collisions met those criteria. If those were in fact HVCC students, they account for 17% of all collisions.
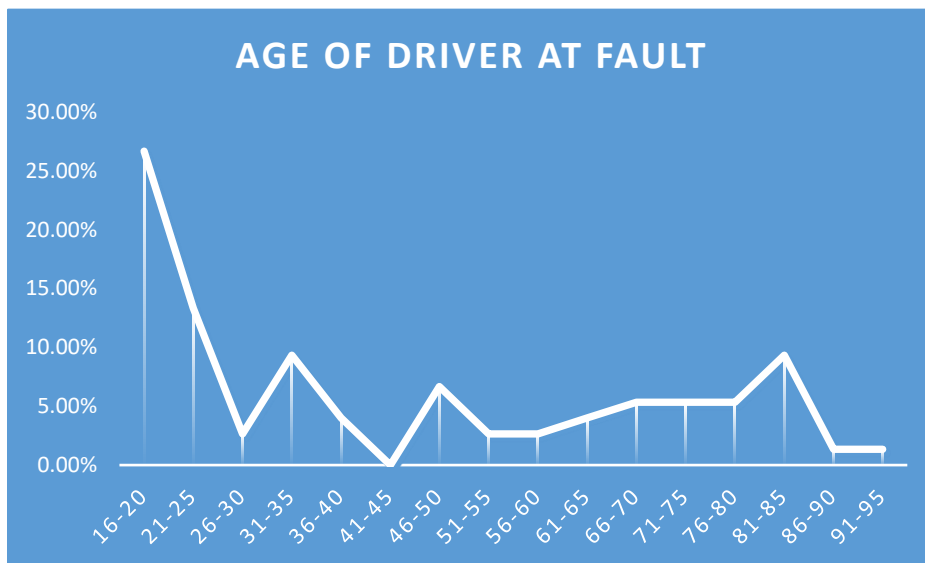
Key Takeaways:

      30%= result in injuries

      22%= low speed rear end collision going northbound

      58%= driver failing to yield at the stop sign

      12.5 % = age groups causing 40% of the collisions

      65%= occur between 1 PM and 6 PM

      69%= occur as a result of failure to yield in the intersection