

2008



**TRAFFIC
COLLISION
AND VICTIMS
REPORT**



City of Vacaville

DEPARTMENT OF PUBLIC WORKS



**City of Vacaville
Department of Public Works
Traffic Engineering**

June 24, 2008

TO: Honorable Mayor and City Council
Attention: David J. Van Kirk, City Manager

FROM: Dale I. Pfeiffer, Director of Public Works

SUBJECT: 2008 TRAFFIC COLLISIONS REPORT

This report on traffic safety and traffic collision victims has been prepared by your staff and is submitted to City Council for your information. Traffic collisions are the number one cause of death for persons in the United States between the ages of 1 and 34. Over 40,000 people die every year in this country in traffic collisions. 11 people a day die in California in traffic collisions.

This report looks at traffic collisions in Vacaville in the years 2006 and 2007. It only reports collisions on City streets, no freeway collisions are included.

- 1,499 Traffic Collisions
- 603 People Injured in Traffic Collisions
- 5 People Killed in Traffic Collisions

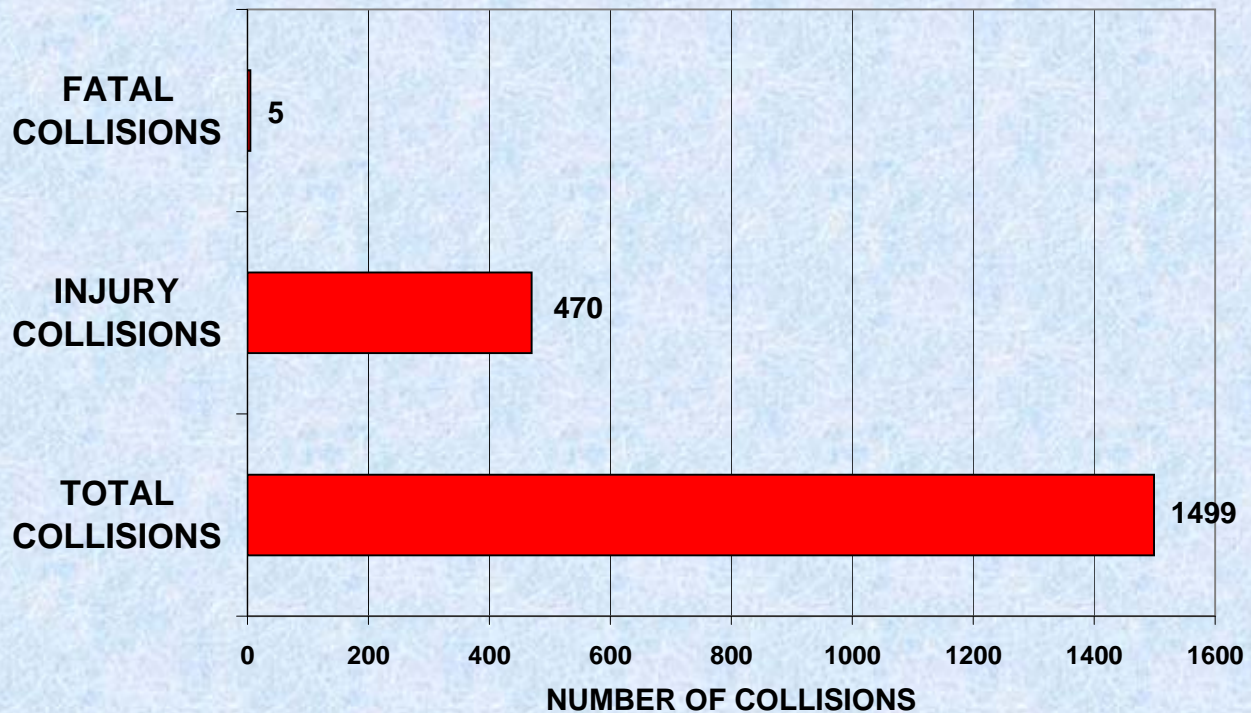
There is only so much that Traffic Engineering and Traffic Enforcement can do to prevent traffic collisions. 93% of traffic collisions involve human factors. Improving traffic safety requires Engineering, Enforcement and Education, the three E's. One of the purposes of this report is to educate the public about the local impacts of poor, reckless, and lawless driving behavior. Traffic collisions are not just a federal or state problem, or just a problem in big cities, tragically they are a local problem too.

Like any other form of crime, the City needs the community's assistance in combating this problem. The City can install traffic signals and stop signs, but drivers have to obey these devices. The City can provide the best roads in the county, but drivers have to use good judgment when turning or walking in front of oncoming traffic.

Staff hopes that a review of the impact of traffic collision in the City will help the public to realize that traffic collisions are not accidents, they are a crime. Staff plans on distributing this report to local schools for their use in educating those most at risk of being injured in traffic collisions.

VACAVILLE COLLISIONS

2-year History (2006 - 2007)



TRAFFIC COLLISIONS VICTIMS

(2006 - 2007)

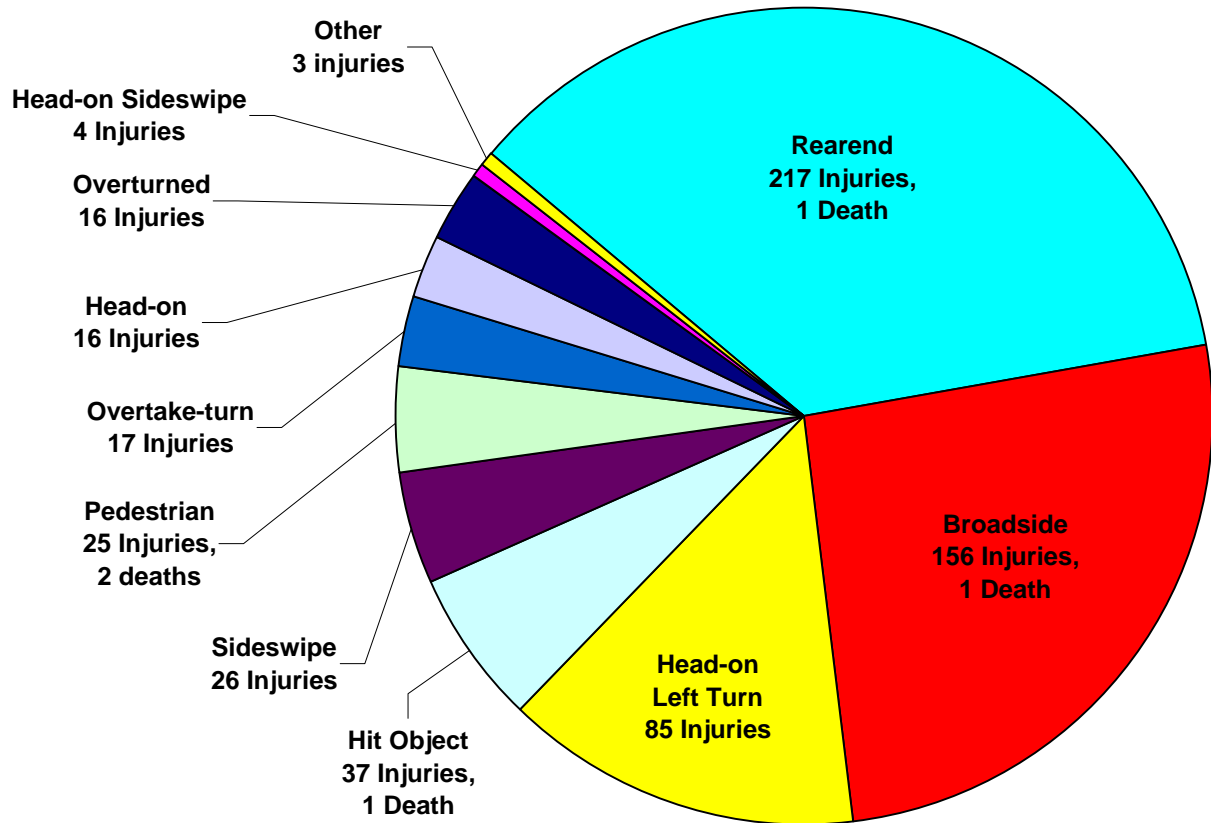
| | PERSONS INJURED | PERSONS KILLED | |
|-------------|--------------------|-------------------|------|
| PEDESTRIANS | 26 | 2 | 5% |
| BICYCLISTS | 47 | 0 | 8% |
| ALL OTHERS | 530 | 3 | 9% |
| | 603 | 5 | 100% |

Traffic Collisions are not accidents, they're a CRIME!!!

During this 2-year period (2006 through 2007) an average of 2 collisions occurred every day, resulting in almost one injured person every day.

5 people were killed and 603 people were injured in traffic collisions on Vacaville roadways during this study period. This report does not include any statistics from freeway collisions within the City.

Victims by Collision Type 2006-2007



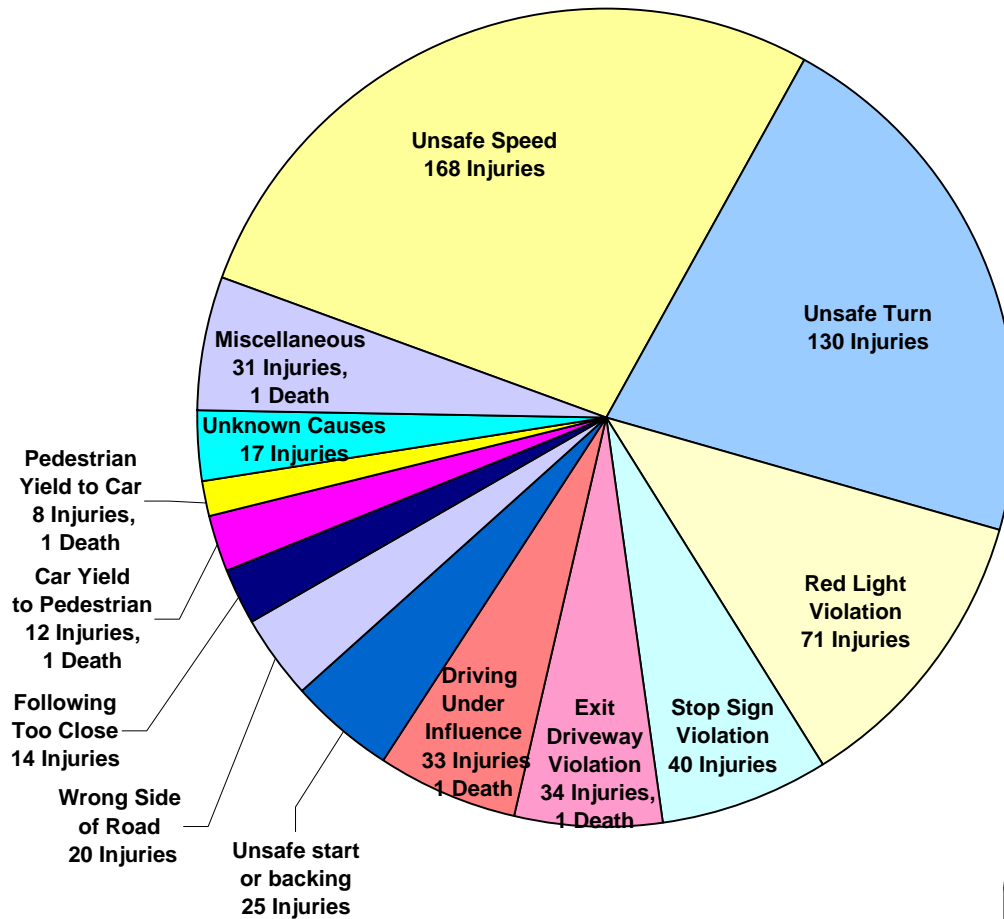
The #1 cause of death in the United State for people ages 1 to 34 is Traffic Collisions.

During this 2-year period (2006 through 2007) 5 people where killed in traffic collisions in Vacaville on City streets. All 5 of these collisions occurred in 2007.

Number of Deaths by Cause and by Age: United States, 2005

| Cause of Death | Age at Time of Death | | | | | | | | | |
|-----------------------------------|----------------------|------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--|
| | 1 - 34 | | 1 - 4 | | 5 - 14 | | 15 - 24 | | 25 - 34 | |
| 1 Motor Vehicle Collisions | 20,211 | 617 | 13.0% | 1,447 | 21.9% | 10,908 | 31.9% | 7,239 | 17.3% | |
| 2 Homicide | 10,934 | 375 | 7.9% | 341 | 5.2% | 5,466 | 16.0% | 4,752 | 11.3% | |
| 3 Suicide | 9,474 | | | 272 | 4.1% | 4,212 | 12.3% | 4,990 | 11.9% | |
| 4 Cancer | 7,078 | 429 | 9.0% | 1,076 | 16.3% | 1,810 | 5.3% | 3,763 | 9.0% | |
| 5 Accidental poisoning | 6,942 | 21 | 0.4% | 51 | 0.8% | 2,484 | 7.3% | 4,386 | 10.5% | |
| 6 Heart Disease | 6,016 | 217 | 4.6% | 367 | 5.6% | 1,391 | 4.1% | 4,041 | 9.6% | |
| 7 Congenital abnormalities | 1,858 | 522 | 11.0% | 396 | 6.0% | 504 | 1.5% | 436 | 1.0% | |
| 8 Accidental drowning | 1,780 | 493 | 10.4% | 253 | 3.8% | 649 | 1.9% | 385 | 0.9% | |
| 9 HIV | 1,492 | 2 | 0.0% | 13 | 0.2% | 159 | 0.5% | 1,318 | 3.1% | |
| 10 Diabetes | 859 | 2 | 0.0% | 38 | 0.6% | 202 | 0.6% | 617 | 1.5% | |
| All 113 differentiated causes | 87,517 | 4,756 | | 6,602 | | 34,234 | | 41,925 | | |

Primary Collision Causes 2006 - 2007



93% of all traffic collisions are the result of human factors.

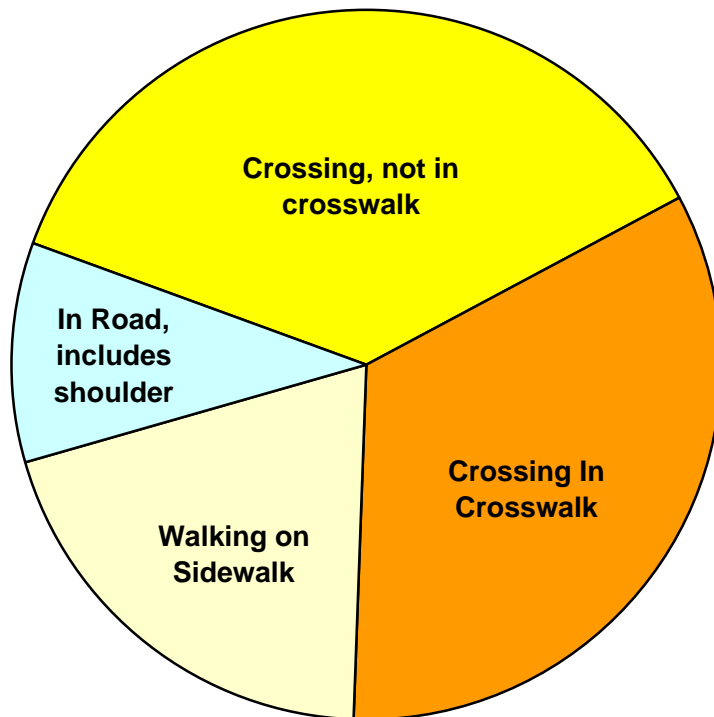
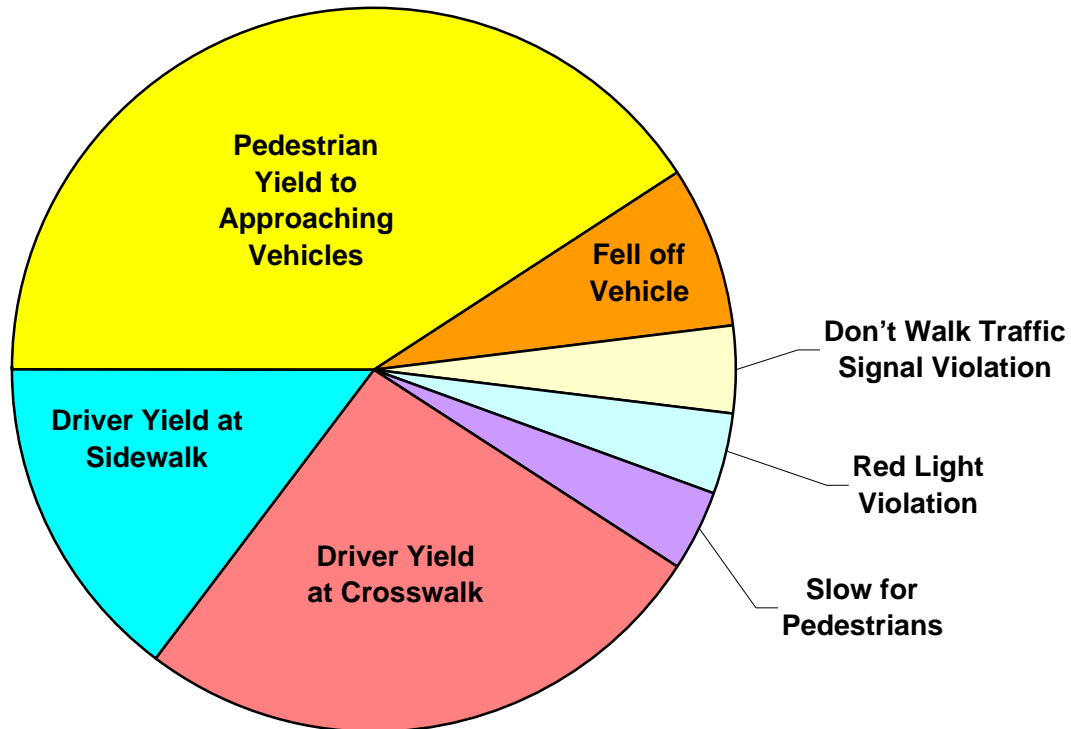
520 injuries and 3 deaths were the result of multi-vehicle collisions.

Seatbelts and child safety seats are your and your family's best defense against drunk drivers, speeders, red light and stop sign runners, and other law breakers behind the wheel.

Speeding and Unsafe Turns caused 46% of all collisions and resulted in about 1/2 of all traffic collision injuries.

Running Red Lights and Stop Signs were the cause of 11% of all collisions and resulted in over 18% of all traffic collision injuries.

Primary Causes of Pedestrian Collisions



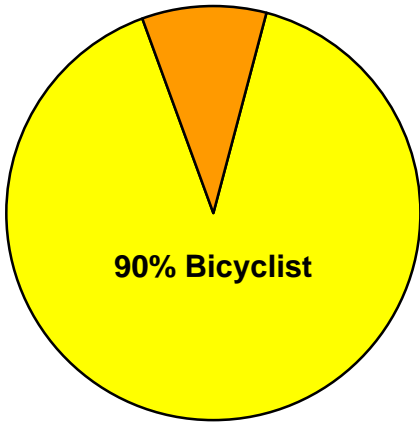
Pedestrian Action Before Collision

2 people were killed and 25 injured in pedestrian collisions.

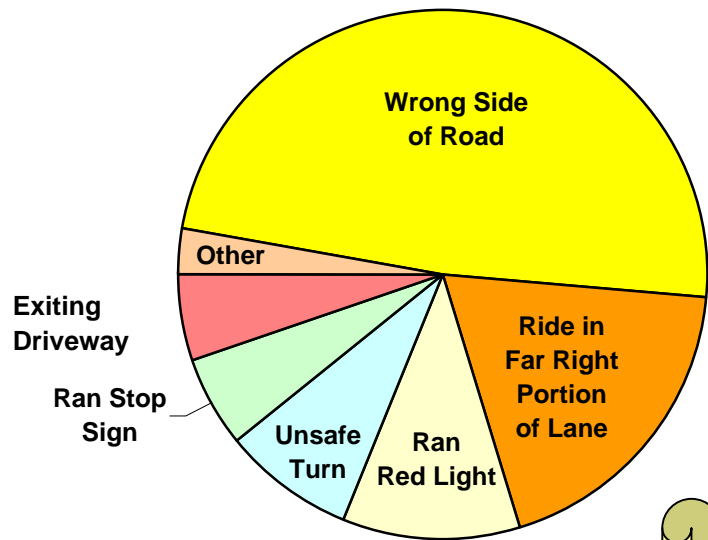
Pedestrians were at fault a little more than 50% of the time.

Bicycle Collisions 2006 - 2007

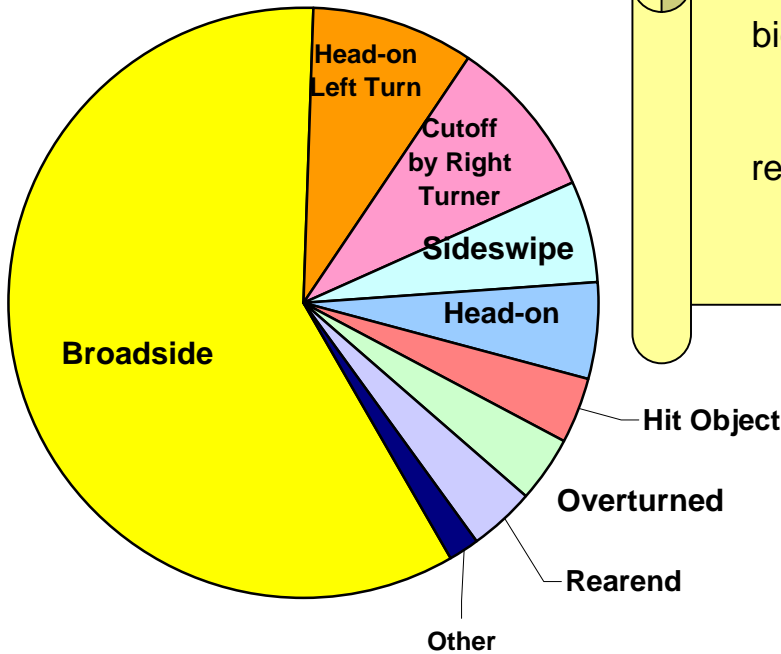
Party at Fault



Primary Bicyclist Violations



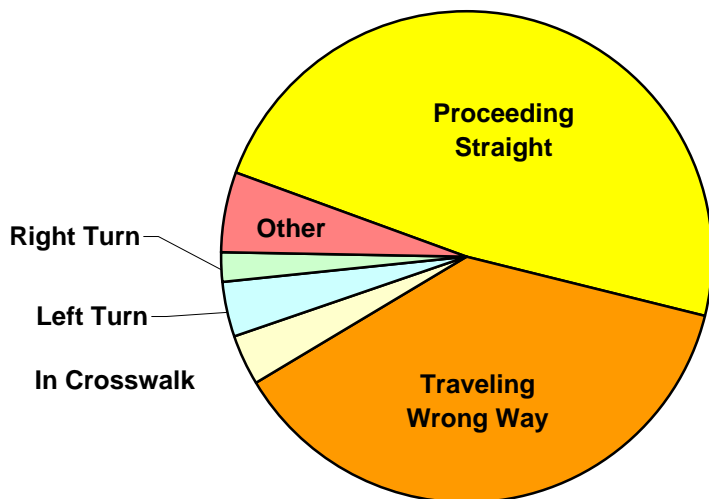
Type of Collision



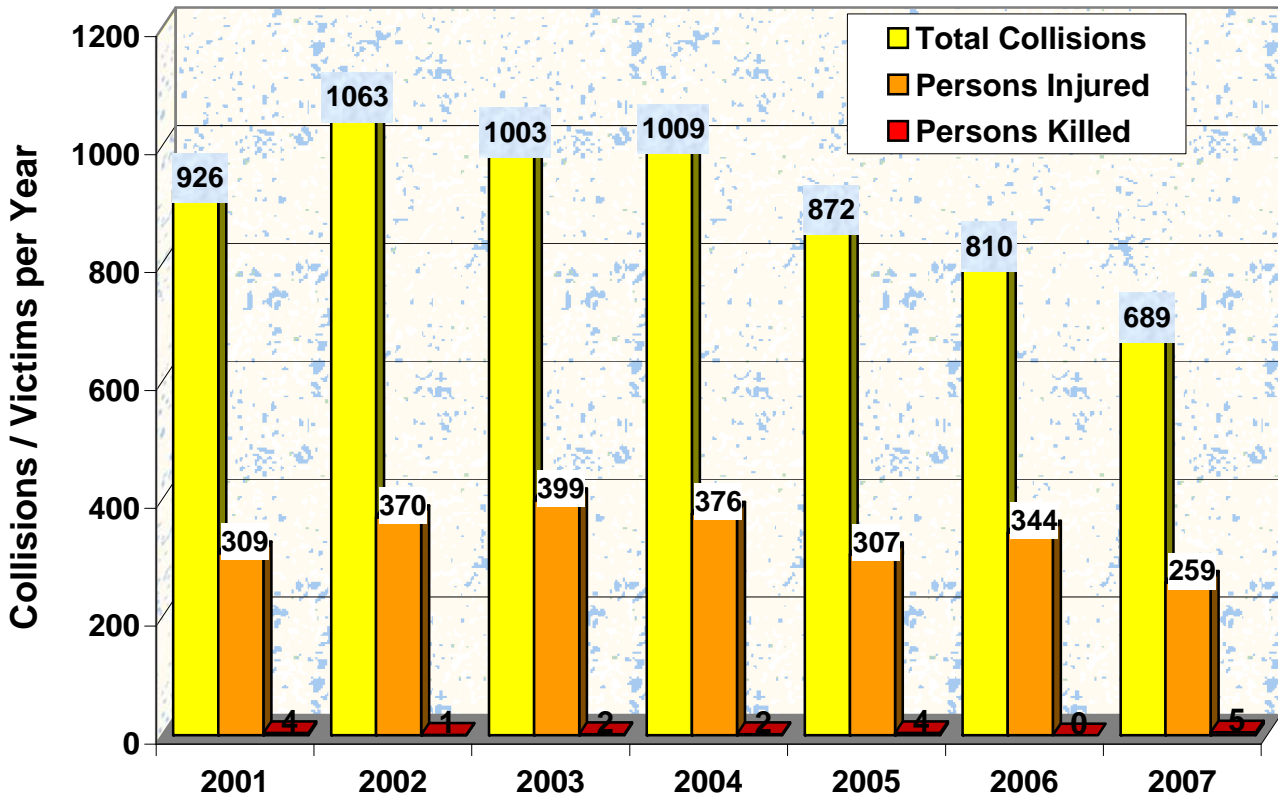
47 people were injured in bicycle collisions in Vacaville.

Being broadsided, not rearended or sideswiped was the most common type of collision.

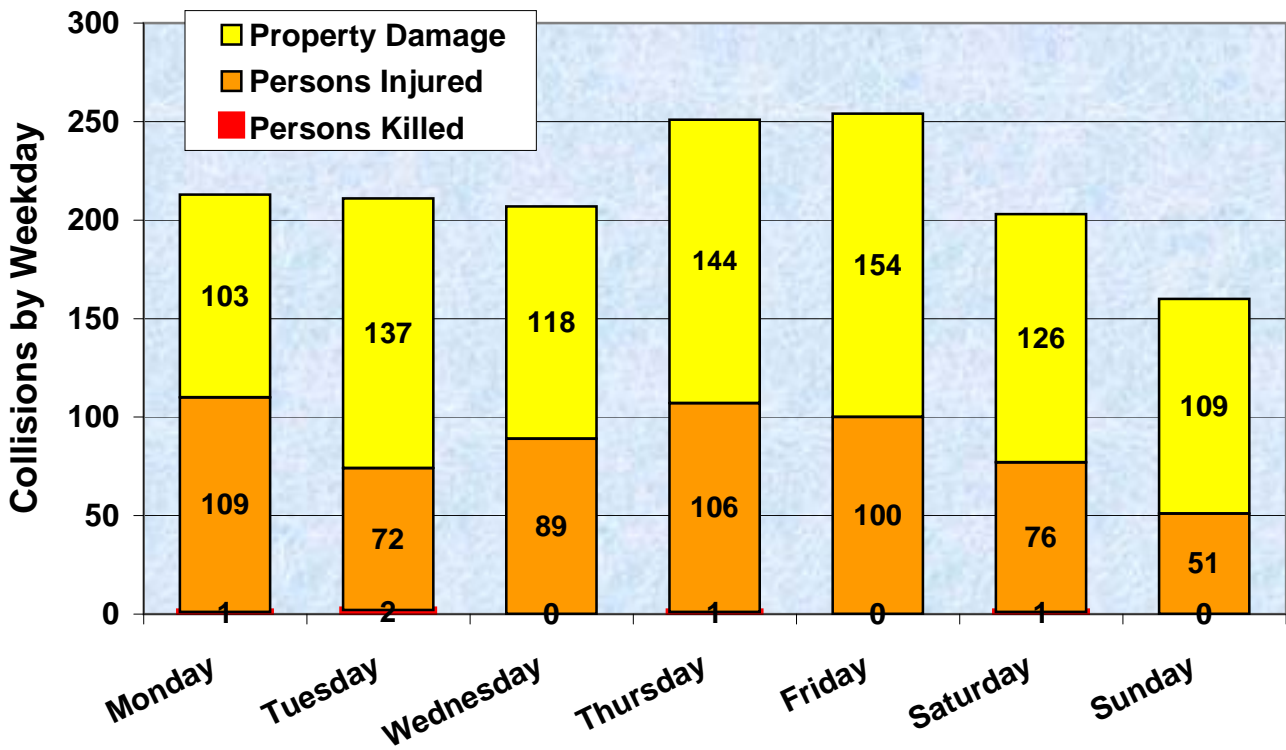
Bicycle Movement Before Collision



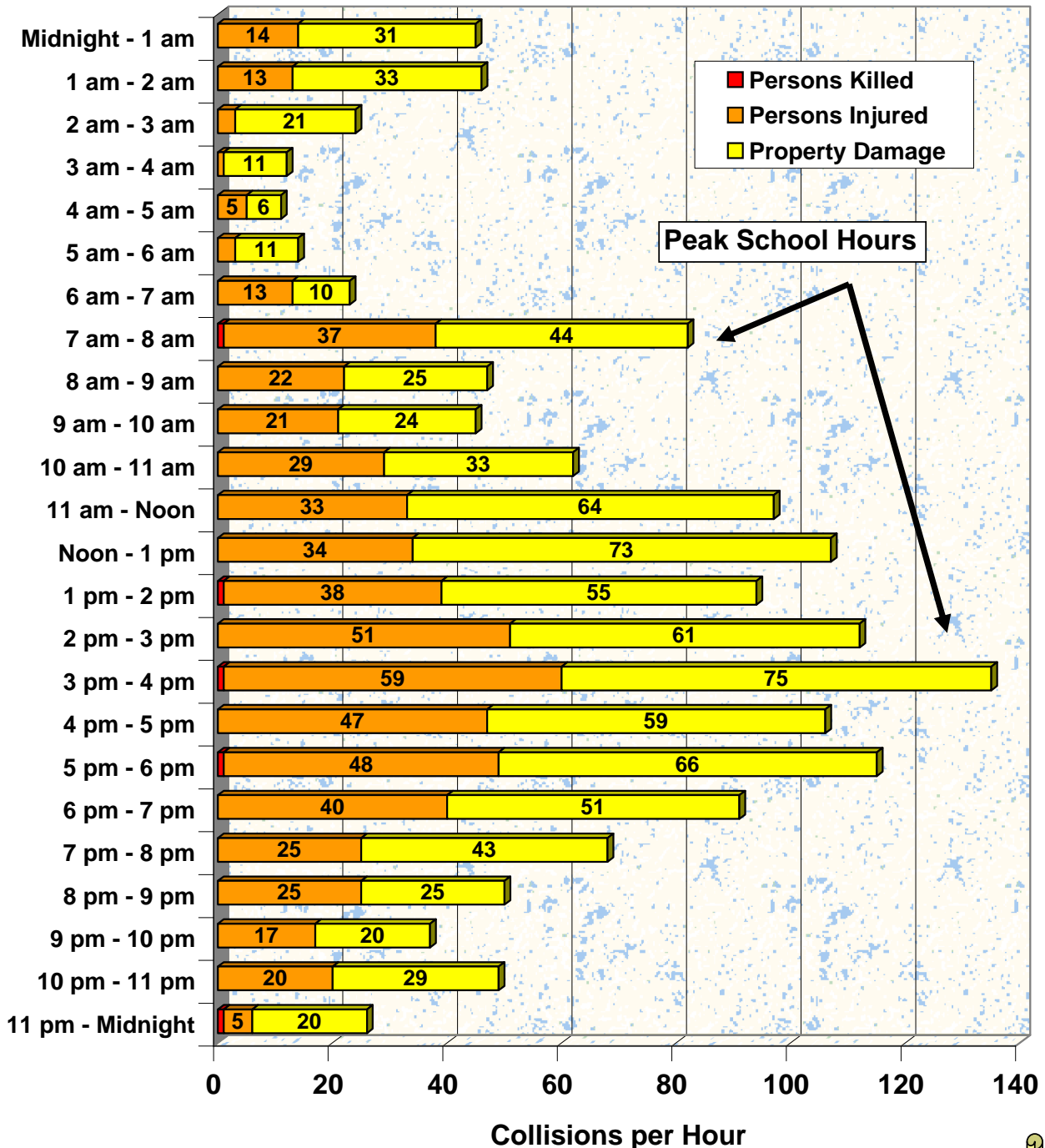
Vacaville Collision Trends (2001 to 2007)



Collisions by Day of Week 2006-2007

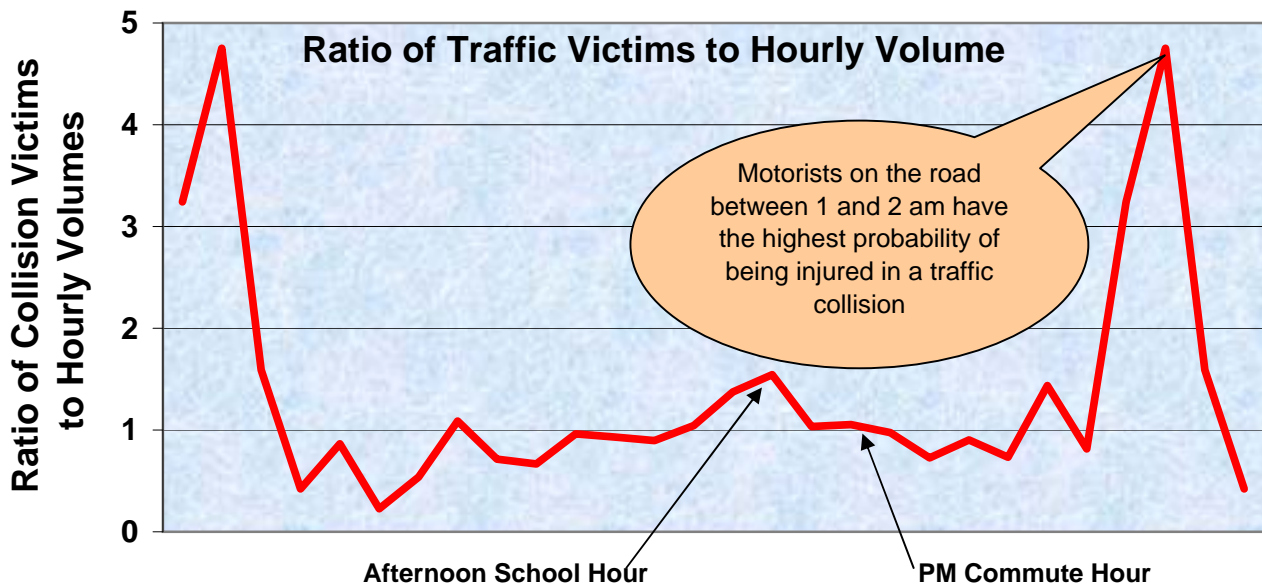
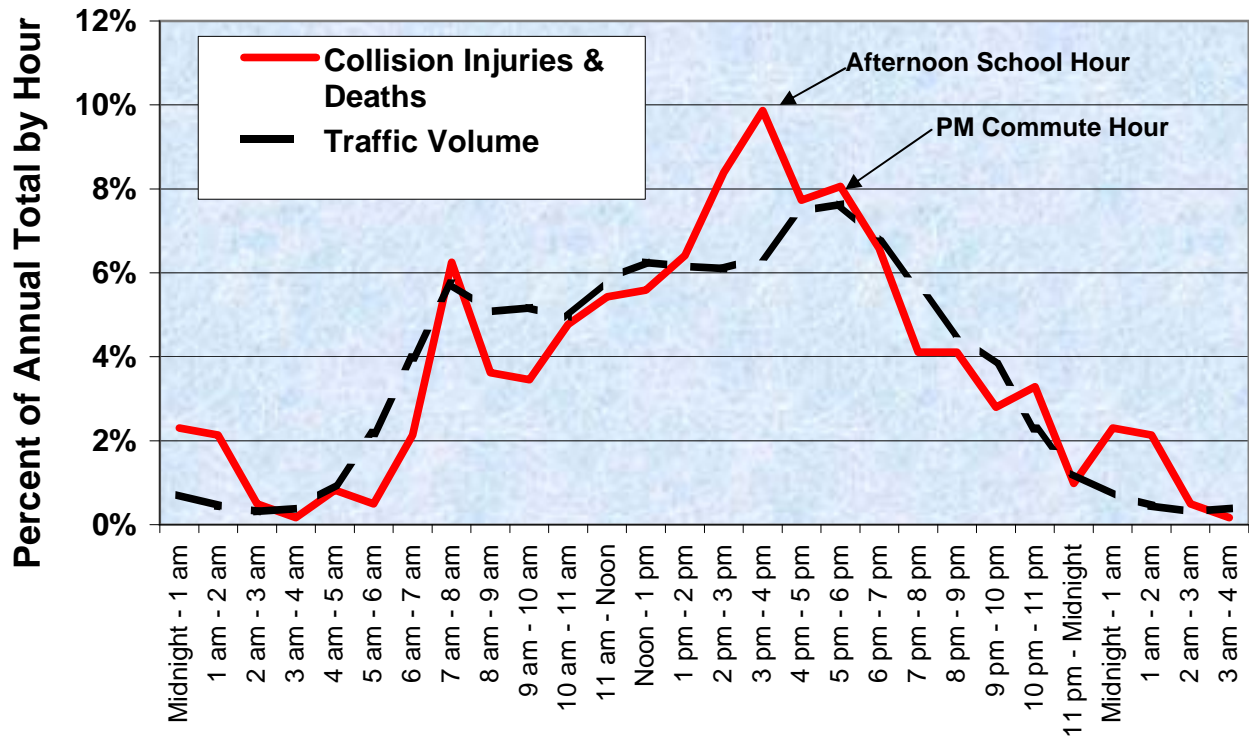


Traffic Collisions by Time of Day 2006-2007



The afternoon peak school traffic hour experiences more traffic collisions than any other hour of the day, with 10% of all annual injury collisions.

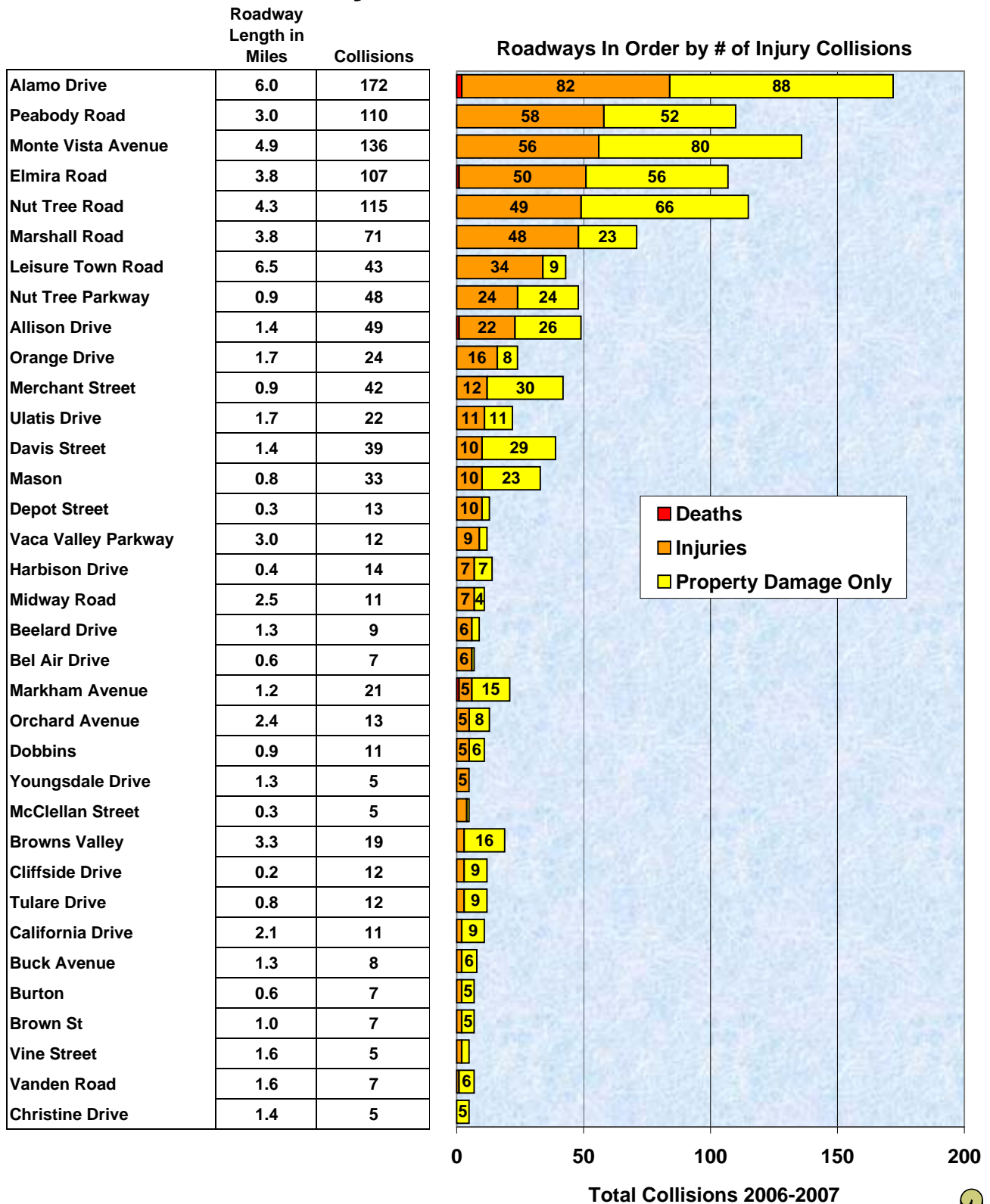
Traffic Collision Injuries and Deaths



The peak traffic hour is from 5 to 6 pm representing 7.6% of the day's traffic. 8.1% of all injury and fatal collisions occur during this same time period.

However, the probability of a motorists on the road being injured in a traffic collision is 4.5 times greater between 1 and 2 am when less than 0.5% of the day's traffic is on the road, but 2.1% of traffic collision injuries occur.

Roadway Collisions 2006 - 2007



About 31 million vehicle miles a year are driven along Alamo Drive. This means that there are about 1.35 traffic injuries for every million miles traveled along this roadway.

The worst collision rate studied was on McClellan Street with 10.33 injuries for every million vehicle miles traveled.

35 Busiest Intersections

Millions of
vehicles
per Year

