

Drafted March 2017

Prepared by Vail PD



TRAFFIC CRASHES IN VAIL, COLORADO | 2014 - 2016

The following is a statistical examination of traffic crashes investigated by the Vail Police Department from 2014 through 2016.

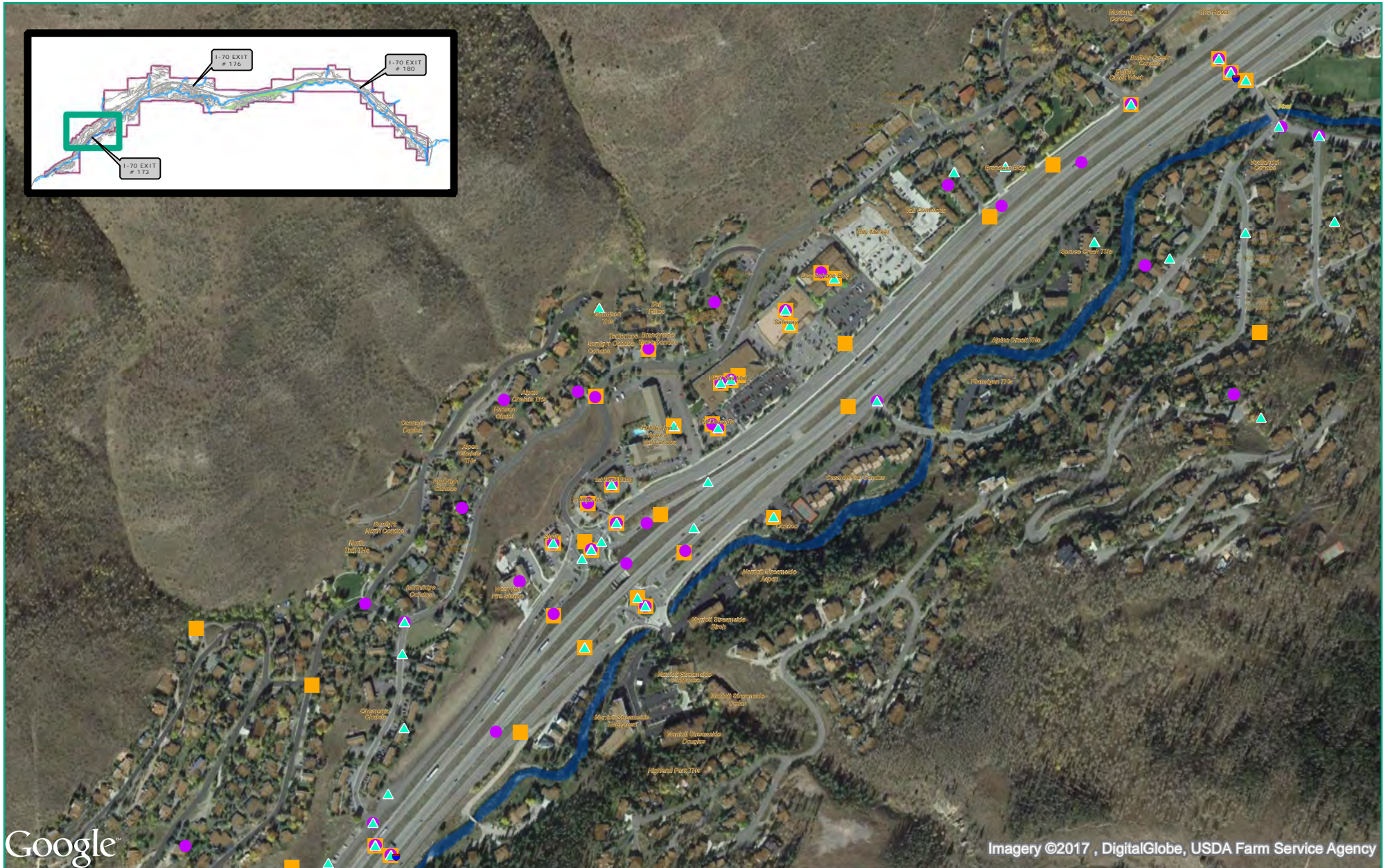
Quick Facts

- The three years averaged 459 collisions.
- The highest number of crashes occurs between 8 am – 10 am, followed by 4 pm to 6 pm. This pattern has been consistent for three years.
- The two parking structures consistently have the highest number of collisions. Contributing factors include: driver unfamiliar, driver inexperience, DUI/DUID/DWAI, driver distracted, and other.
- The three-year average for interstate accidents as a percentage of total accidents is 24%.
- The Friday average daily traffic volume on the I-70 mountain corridor has risen from 37,007 vehicles in 2010 to 42,537 in 2015.
- The three-year average for traffic stops is 2,875. Top reasons for stops include speeding, improper lane usage, weaving.
- The three-year average for hit & runs is 81.
- The percentage of drivers and passengers complaining of injury or having an evident injury is 9.6% of all accidents reported.
- 40% of crashes involve a single vehicle; 56% involve two vehicles; 4% involve three or more.
- 9% involve an impaired driver.
- 100% of fatally or seriously injured pedestrians over the three-year period had been drinking.
- Collisions involving pedestrians do not involve repeat locations.
- Collisions involving bicyclists do not involve repeat locations.
- Crash risk factors over the last three years:
 - Average daily traffic volume is increasing.
 - Distracted walking, distracted driving and changing driver-yielding behavior are playing a bigger role in crashes.
 - The separation between pedestrians, bicyclists and traffic has changed with the increase in development density.

Vehicle Crash Analysis: 2014 - 2016

Chamonix

- ▲ 2014 Crashes - Actual Locations
- 2015 Crashes - Actual Locations
- 2016 Crashes - Actual Locations

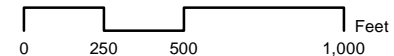


Google

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Vehicle Crash Analysis: 2014 - 2016

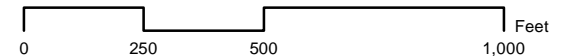
Gore in East Vail

- ▲ 2014 Crashes - Actual Locations
- 2015 Crashes - Actual Locations
- 2016 Crashes - Actual Locations



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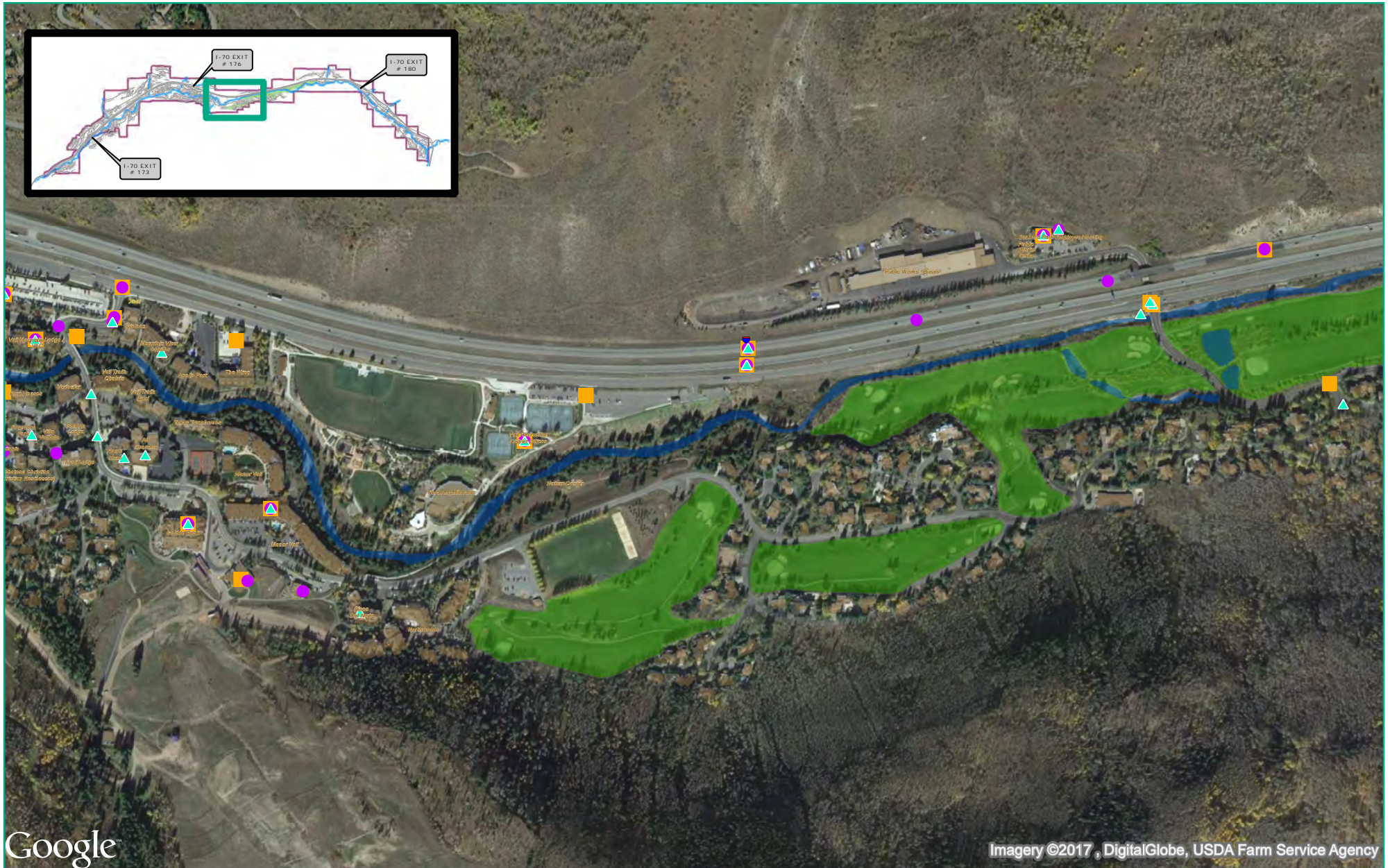
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Vehicle Crash Analysis: 2014 - 2016

Vail Valley Drive

- ▲ 2014 Crashes - Actual Locations
- 2015 Crashes - Actual Locations
- 2016 Crashes - Actual Locations

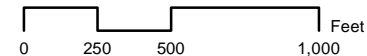


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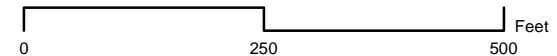
West Meadow Drive

- ▲ 2014 Crashes - Actual Locations
- 2015 Crashes - Actual Locations
- 2016 Crashes - Actual Locations



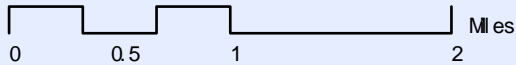
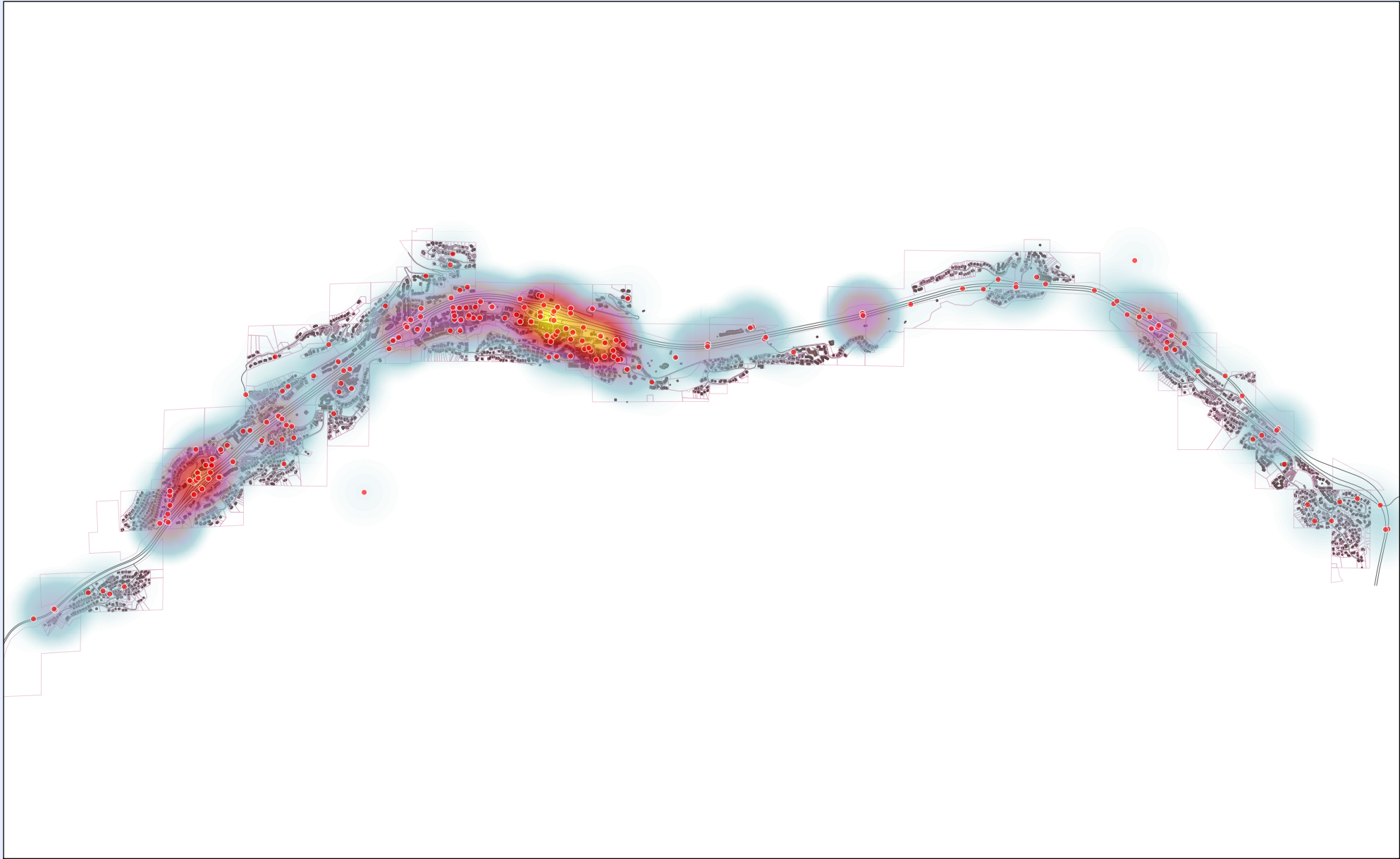
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Vehicle Crash Analysis: 2014

Vail, Colorado



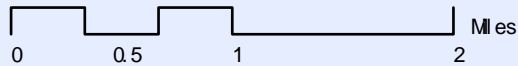
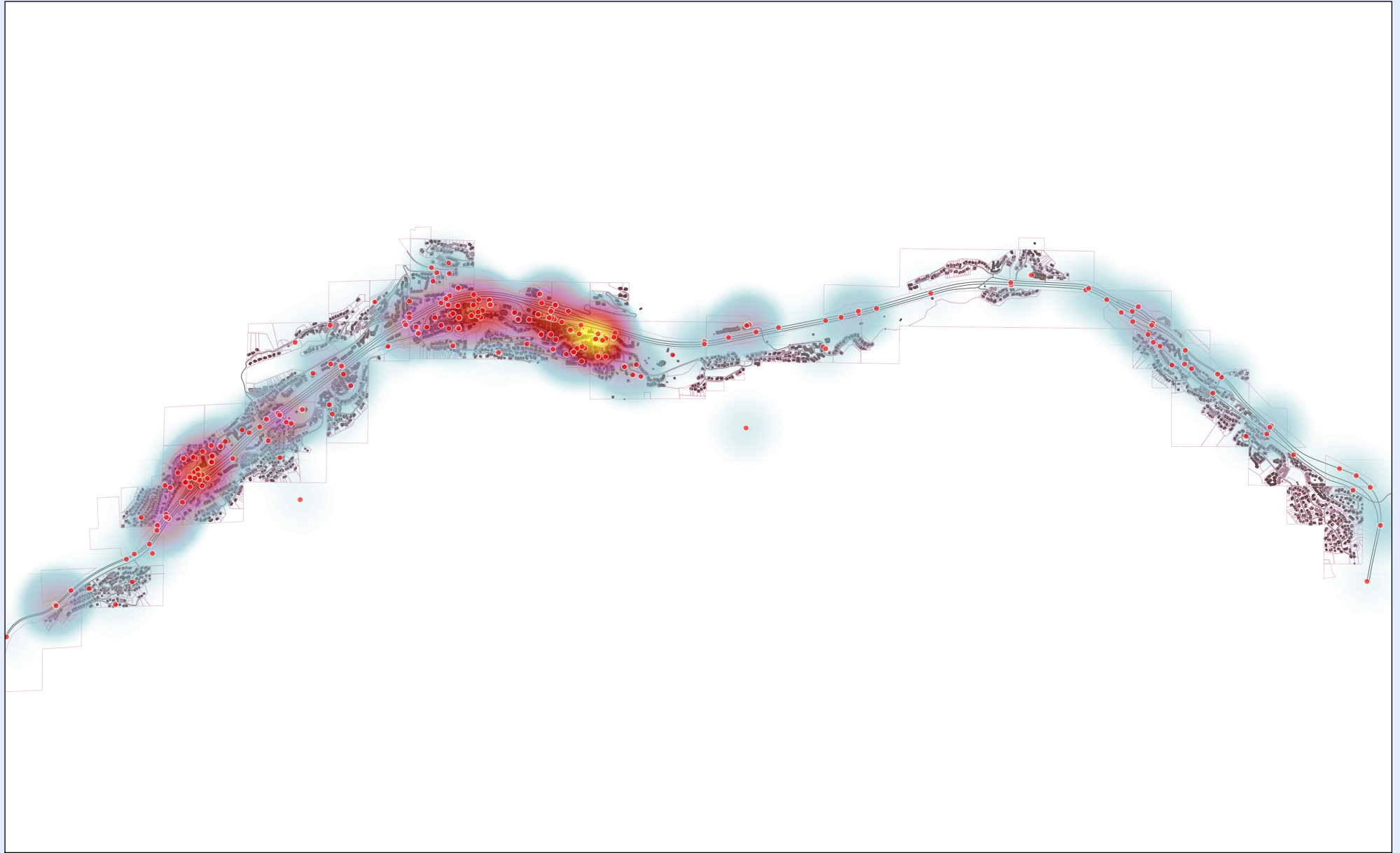
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Vehicle Crash Analysis: 2015

Vail, Colorado



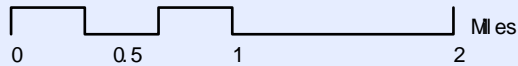
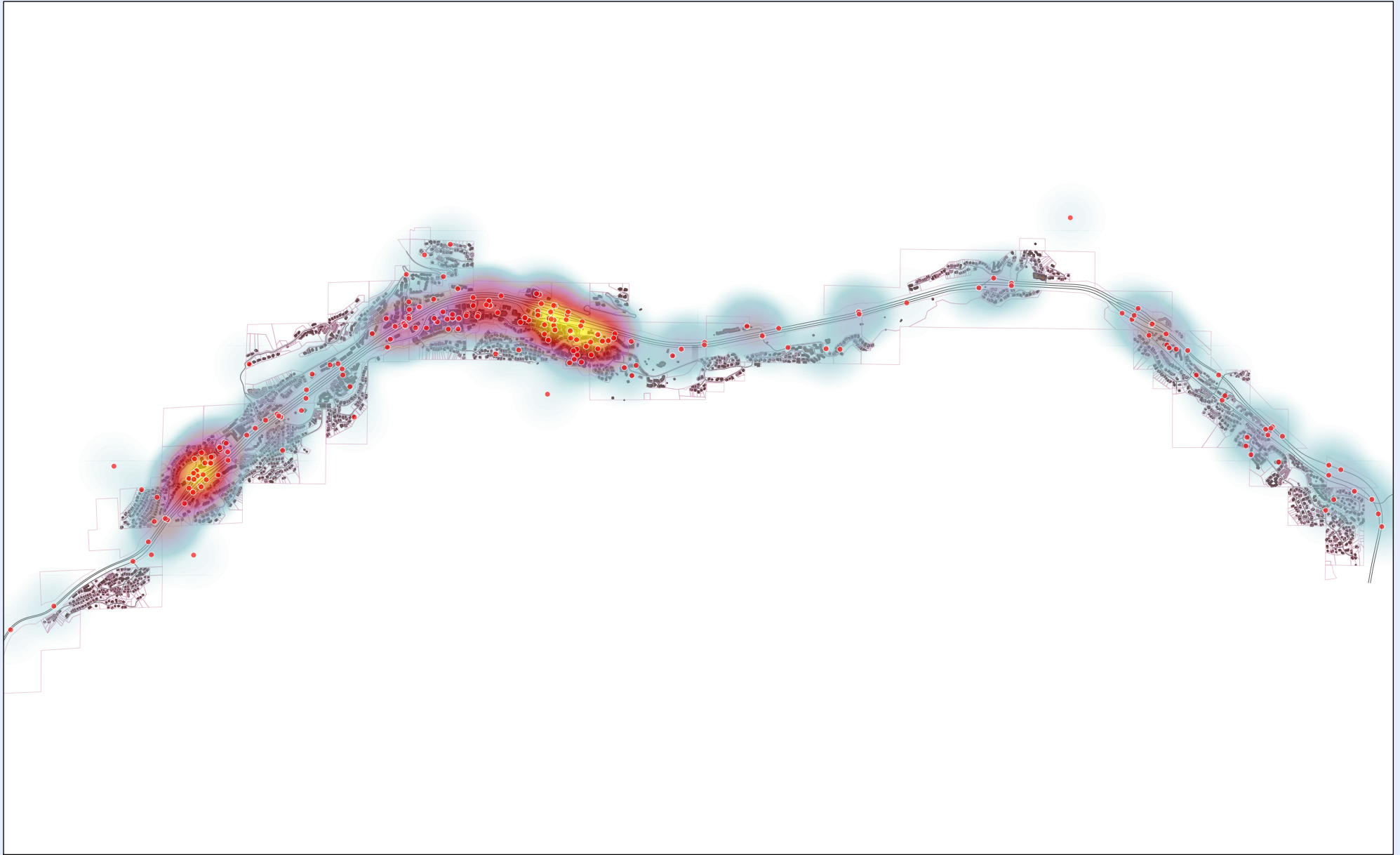
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Vehicle Crash Analysis: 2016

Vail, Colorado



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Locations with the highest number of crashes (excluding parking structures)

Intersections with the most crashes

Top driver contributing factor attributed to crashes on frontage roads and the interstate (excluding "other")

Year 2016

- 2109 – 2131 N Frontage Rd (13)
- 2211 – 2313 N Frontage Rd (13)
- 2161 – 2172 N Frontage Rd (9)
- West Vail North Roundabout (7)
- 1289 Elkhorn (7)
- Main Vail Roundabout (6)

Year 2015

- 2109 – 2131 N Frontage Rd (16)
- 2271 – 2313 N Frontage Rd (7)
- 2161 – 2172 N Frontage Rd (7)
- West Vail North Roundabout (7)
- 1289 Elkhorn (8)
- Main Vail Roundabout (6)

Year 2014

- 2077 – 2131 N Frontage Rd (12)
- 2161 – 2271 N Frontage Rd (12)
- Main Vail Roundabout (10)

Year 2016

- N Frontage Rd W / Vail Rd (3)
- Aspen Ln / S Frontage Rd E (3)
- Bighorn Rd / Main Gore Dr N (3)

Year 2015

- N Frontage Rd W / Vail Rd (10)
- Buffehr Creek Rd / N Frontage (2)

Year 2014

- Gore Creek Dr / Vail Valley Dr (2)
- Chamonix Ln / N Frontage Rd W (2)
- Arosa Dr / Chamonix Ln (2)
- Bighorn Rd / Interstate 70 EB (2)
- S Frontage Rd W / Vail Rd (2)
- N Frontage Rd W / Vail (2)

Frontage Roads

- Driver Inexperience
- DUI/DWAI/DUID

Interstate 70

- Driver Inexperience
- Aggressive Driving

Chamonix Rd/Ln & Gore Creek Dr/PI &
Vail Valley Dr & Meadow Dr
(Top crash spots over a three-year period)

Chamonix:

- 2059 – 2450 Chamonix Ln (10)
- Chamonix Lane / N Frontage Rd W (4)
- Arosa Dr / Chamonix Ln (4)

Gore Creek Drive:

- 174 – 434 Gore Creek Dr (15)
- Bighorn Rd / Main Gore Dr N (4)
- S Frontage Rd W / W Gore Creek Dr (3)

Vail Valley Drive:

- 400 Block Vail Valley Dr (15)
- S Frontage Rd E / Vail Valley Dr (11)
- 500 Block Vail Valley Dr (8)

Meadow Dr:

- 181 W Meadow Dr @parking lot (21)
- 141 E Meadow Dr @parking lot (17)
- 4500 Block Meadow Dr (7)

Top driver actions attributed to crashes
in 4 targeted locations

Chamonix:

- Careless Driving (4)
- Exceeded Safe/Posted Speed (1)
- Failed to Yield (1)
- Improper Backing (1)
- Improper Turn (1)

Gore Creek Drive:

- Careless Driving (6)
- Improper Turn (3)
- Following too Closely (2)
- Failed to Yield (1)
- Improper Passing on Right (1)
- Improper Backing (1)

Vail Valley Drive:

- Improper Backing (4)
- Exceeded Safe/Posted Speed (3)
- Failed to Yield (3)
- Disregarded Stop Sign (1)
- Careless Driving (1)

Meadow Dr:

- Improper Backing (14)
- Careless Driving (10)
- Exceeded Safe/Posted Speed (3)
- Improper Turn (2)
- Lane Violation (2)
- Failed to Yield (1)
- Followed too Closely (1)
- Disregarded Other Device (1)

Collisions involving pedestrians

[1/25/14, 3971 Bighorn Rd]

Female pedestrian at fault and cited for Unlawful Crossing of Roadway by Pedestrian.

[7/6/14, Interstate 70 mm 174]

Female pedestrian ran onto interstate and fatally hit by a car.

[8/3/14, Willow Bridge Rd]

Male driver lets off passengers, then makes a left hand turn and collides with a child (4 yrs) on a stationary bicycle. Child incurs injuries. Driver cited for Careless Driving Causing Bodily Injury.

[11/12/14, 1333 N Westhaven Dr]

Driver loses control of his vehicle, slides into a landscape rock wall then into a pedestrian. Pedestrian incurs injuries. Driver cited for Careless Driving Causing Bodily Injury.

[1/14/15, 4100 Spruce Wy]

Driver struck a walking pedestrian's left hand as it passed. Driver cited for Careless Driving.

[3/17/15, Lionshead Bus Plaza]

Driver of shuttle van strikes a pedestrian/driver of second shuttle van. Driver cited for Careless Driving.

[3/26/15, 190 Gore Crk Dr]

Bicyclist attempts to pass a pedestrian and stroller (occupied by two). The trailer of the bicycle strikes the stroller. No injuries.

[5/3/15, Potato Patch Dr/Red Sandstone]

Skateboarder lost control of her board and slid under the wheel of a pickup truck. Skateboarder suffered scrapes only and was warned that skateboarding on a public road was illegal and could result in a citation.

[8/26/15, West Vail Shell]

Pedestrian struck by motorist backing out from the gas pumps. No injuries.

[9/4/15, Main Vail Roundabout]

Pedestrian was knocked to the ground by a vehicle attempting to enter the Roundabout. The exit the pedestrian was attempting to cross is not designed as a pedestrian crosswalk. Pedestrian was dazed but not injured.

[10/24/15, E Forest Rd / Rockledge]

Pedestrian walking her dog in the middle of the road due to construction activity in the roadway. Truck ran over and injured the pedestrian's feet. No citation issued.

[3/4/16, Interstate 70 mm 175]

An intoxicated pedestrian was hit by a moving vehicle on the interstate. Life-threatening injuries sustained.

[6/9/16, S Frontage Rd / Kinnickinnick]

Motorist failed to yield to skateboarder at a controlled intersection and hit the pedestrian. Motorist cited for Careless Driving.

Collisions involving bicyclists

[6/12/14, Main Vail Roundabout]

Bicyclist, who was exiting the roundabout, struck the rear of a motor vehicle who had stopped to allow the bicyclist to exit onto S Frontage Rd. Motorist was cited for Careless Driving.

[7/16/14, 141 E Meadow Dr]

Motorist drove past a stopped vehicle and began to turn into a parking garage. Front tire of vehicle struck the front tire of the bicycle. Motorist cited for Careless Driving.

[8/12/14, 2077 N Frontage Rd]

Bicyclist was riding eastbound on the sidewalk. Motorist was talking on his cell phone when he began to pull out of driveway and knocked the rider off his bike. Motorist was cited for Careless Driving.

[3/26/15, 190 Gore Creek Dr]

This bicycle vs baby stroller accident is also reported in Pedestrian Section of this report.

Bicyclist attempts to pass a pedestrian and stroller (occupied by two). The trailer of the bicycle strikes the stroller. No injuries.

[6/25/15, 200 Block E Meadow Dr]

Bicyclist, around 10-11 yrs of age, struck the front of a fully stopped TOV bus at a slow rate of speed. The bus was in the legal lane of travel. No injuries.

[7/7/15, E Meadow Dr / Vail Rd]

Bicyclist was in the north crosswalk of the intersection traveling west. Motorist traveling northbound on Vail Rd struck the rear of the bike. Poor visibility and no lights/reflectors on the bike. Motorist cited for Careless Driving.

[7/12/15, West Vail Roundabout]

Bicyclist entered the roundabout southbound and passed a vehicle when the motorist proceeded forward and struck the rear wheel of the bicycle causing damage to wheel. The bike rider was able to maintain control of the bike and did not fall. Motorist cited for Failure to Yield.

[8/26/15, 675 Lionshead Pl]

Motorist began to pull out of the Porte Cohere very slowly when her vehicle was hit by a bicyclist. No injuries.

[9/7/15, 1281 N Frontage Rd]

Bicyclist was riding on the right shoulder of N Frontage Rd W and passed a parked TOV bus at 25 mph. The rider attempted to avoid a second TOV bus that was turning, entered into a skid and slid underneath the front of the moving bus. TOV bus driver saw no on-coming traffic when he commenced his left hand turn. Bicyclist had moderate injuries and was cited for Failure to Display Lights When Required.

[9/16/15, 862 S Frontage Rd]

Motorist, driving west on S Frontage Rd prior to VA curve, overtook a bicyclist heading the same direction. The truck driver turned right, without using a blinker, into the Vail Resorts warehouse parking lot causing the bicyclist to collide with the truck. Motorist cited for Careless Driving.

[10/12/15, S Frontage Rd / W Lionshead Cir]

A bicyclist, traveling west on the shoulder of S Frontage Rd struck, the rear of a semi's flatbed trailer, and dropped off the bike. Bicyclist said he did not see the semi or trailer awaiting entry into the interstate's construction site. No injuries.

Collisions involving bicyclists (continued)

[6/6/16, 635 N Frontage Rd]

A motorist pulled out of the Sun Vail parking lot and stopped on the bike path/sidewalk. The bicyclist, with little time to react, hit the vehicle and was thrown over the hood. Moderate injuries.

[7/9/16, Main Vail Roundabout]

Motorist was exiting the roundabout to travel north when a bicyclist in the Triple Bypass Ride, traveling west on S Frontage Rd, entered the roundabout and collided with the vehicle. Bicyclist was reminded to yield to traffic inside the roundabout before entering. Moderate injuries.

[7/22/16, E Meadow Dr / Vail Valley Rd]

A bicyclist had turned around on her bicycle to look at her husband when she hit a storm drain in the roadway and fell. She was unconscious when paramedics arrived.

[9/1/16, 352 E Meadow Dr]

TOV bus driver slowed his bus and stopped when he saw a group of bicyclists approaching. The driver honked his horn but could not get the attention of the bicyclist riding in the middle of the roadway. No injuries.