Boulder, CO

A Systemic Approach to Crash Reduction

Vision Zero

Adopted in 2014 as part of the City's Transportation Master Plan
Data-driven approach to increasing the safety of Boulder's streets
Targeted improvements to street design, enforcement, and
outreach efforts in places where they are needed most



High Risk Network

The High Risk Network, measured by crashes per vehicle miles traveled, has roughly five times more risk than all Boulder arterial streets.

Managing risk and mitigating crashes on this small percentage of streets can have an outsized impact on reducing fatal and serious injury crashes.

Vision Zero Action Plan (VZAP) focuses on common crash types and typical solutions.

| L L L | Violet Ave | |
|-------|------------|--------|
| | | Jay Rd |





Oncoming bicyclist in bike lane volume threshold

or bicyclist pushes the pedestrian push buttor

Providing protected left-turn signal phasing when a pedestria

Analysis of the High Risk Network found / crash types account for **62%** of fatal and serious injury crashes:



Running red lights



Left-turn crashes



Right-turn slip lanes



Pedestrian crashes while



Right-turn on red crashes



Right-turn crashes

Multi-use path crossings

Related areas of concern from 2022 Safe Streets Report:

Bicycle, pedestrian, and motorcycle crashes
 People ages 15-29 and older adults ages 65 and older
 People speeding, people impaired, and people making left-turns

remaining traffic signals (2026







Findings from the Vision Zero Boulder: Safe Streets Report (SSR) show that 67% of traffic crashes resulting in severe injury or fatality occur on arterials. In response, the city is focusing its investments and resources to design and construct improvements on a "Core Arterial Network" (CAN).

This connected system of protected bicycle lanes, intersection enhancements, pedestrian facilities, and transit upgrades will help reduce the potential for severe crashes and make it more comfortable and convenient for people to get where they need to go.

While most CAN corridors will explore multi-modal enhancements, others will have an emphasis on bicycle or transit facilities. Here are some of the design elements that may be considered across the suite of CAN projects.



67% of serious injury and fatal traffic crashes occur on arterial streets (only

about **17%** of streets)









Low Wall Concrete Barriers

The Baseline Road Transportation Safety Project (28th Street to Foothills Parkway) will create safer conditions for walking, bicycling, and driving on Baseline Road while enhancing connections to popular community destinations.

Low wall pre-cast concrete barriers will be placed in strategic, prioritized locations to harden existing separated bike lanes east of 30th street. This will be the first time these barriers are used in the City of Boulder.

