

Business Problem

Problem Definition:

The City of Seattle and our partners are not satisfied with recent trends and we are prepared to take swift action to reduce collisions and save lives. The data is clear that our top priorities for the Vision Zero program moving forward must focus on the High Injury Network and pedestrian safety. The actions outlined in this document, along with our existing programs and maintenance efforts, will advance our safety goal. Vision Zero will always be about more than data. Each year, more than 180 lives were changed by traffic collisions. And the ripple effect is so much greater, as each person has a family, circle of friends, and larger community that continues to be impacted by loss, grief, and in many instances, long-term recovery.

- 1) To model the prediction of severity of an accident based on factors that are included in such an event.
- 2) This project will look at predicting the probability and severity of vehicular accidents based on weather and other characteristics, using historic collision data.
- 3) The thing is, traffic collisions aren't accidents - they're preventable through smarter street design, targeted enforcement, partnerships, and thoughtful public engagement. Together, we can make Seattle's streets safer for everyone

INTRODUCTION:

What's new?

- In February 2020, we released phase 2 of our [Bike and Pedestrian Safety Analysis](#), to look at bicycle and pedestrian incident trends. This tool helps us proactively make safety enhancements across the city. This groundbreaking approach helps us prioritize locations, anticipate issues, and make decisions informed by data.
- On December 10, Mayor Jenny A. Durkan [announced a series of steps to improve safety on City streets](#) and reaffirm the City's commitment to achieving the Vision Zero goal of ending traffic deaths and serious injuries by 2030. Mayor Durkan announced the City will [reduce speed limits to 25 miles per hour \(mph\) throughout the city, double the number of safety-enhanced traffic signals](#), invest in engineering changes to create safer streets, create a new crash review task force, and launch additional traffic safety education and enforcement tactics. Read our [2019 update](#) to learn more.

While we're excited to implement these steps, we also want to take a moment to remind everyone that we all have a role to play in improving safety. As you're traveling Seattle's streets, look out for yourself and for each other. Recognize that every intersection is unique, so stay alert. If you're driving, pay attention, slow down, and expect people are walking and biking in every part of the city at all times of the day.