# **LINCOLN**

## CRASH DATA ANALYSIS

**Lincoln's goal:** Reduce the frequency and severity of crashes through targeted implementation of safety countermeasures.

Transportation is fundamental to our success as a world class city. The reliability of Lincoln's transportation system is second only to its safety. Our continued analyses of data and implementation of safety improvements is vital to maintain mobility, economic development, and opportunity for all.

> Lonnie Burklund Assistant Director – Transportation, City of Lincoln

**Crash trends tell a story** of Lincoln's transportation system safety performance. For a 5-year period of study, there were a total of **42,552 crashes** within Lincoln city limits.

This includes:





On average, a crash happened in Lincoln every **58** minutes

4	-
0	0

Crashes resulting in a fatal injury averaged once every 39 days

- OJ	

Nearly 1 out of every 5 crashes results in an injury

### **CRASH IMPACTS ADD UP:**



On average, crashes cost an average of **\$294 Million each year** between 2012 and 2016. That's a total estimated cost of **\$1.47 Billion**.

## Constant Con



More crashes happen in the fall than during other seasons



More crashes happen on Fridays than on any other day of the week



More crashes happen between **3 PM and 6 PM** than any other time of the day



Crashes that happen **after dark** are more severe than those occurring in daylight

Rear-end crashes are the most common crash type



Crashes occur most often within **intersections** 

O
Õ
õ

Intersection crashes are more prevalent at intersections with traffic signals



There are fewer crashes at roundabouts



One in five crashes involve behaviors (impairment, distracted driving) that cause the driver to make risky driving maneuvers

**DISTRACTED DRIVING CRASHES** make up 15.5% of all crashes.

## CRASHES INVOLVING PEDESTRIANS & BICYCLES



84% of all pedestrian and bicycle crashes result in injury



These crashes represent **11% of all injury crashes** 



Pedestrians and bicyclists are most at risk at locations with high (or heavy) vehicle volumes



Pedestrian and bike crashes occur **most commonly at intersections** 

Most crashes occur as a result of vehicles turning across the path of a pedestrian or bicyclist THE CITY OF LINCOLN maintains a database of 6,300+ intersections. Ongoing analyses helps the City evaluate where crashes are concentrated and identify improvements that could make them safer.

#### **Solutions that Benefit All Users**

- Constuct geometric improvements
- Enforce traffic control devices
- Promote awareness and education

#### **Pedestrians and Bikes**

- Shorten crossing distances
- Continue to use pedestrian countdown timers
- Implement leading pedestrian intervals at traffic signals hold vehicles on a red light and signal pedestrians to walk, giving them a head start
- Implement safe on-street bike facilities
- Evaluate safety for children walking to school

#### **At Intersections**



- Improve visibility
- Convert appropriate intersections to roundabouts
- Enhance signing and markings
- Implement flashing yellow arrow left turn signals
- Add turn lanes to separate conflicts and reduce vehicle queue lengths
- Improve signal timings
- Remove on-street parking and control access from driveways in proximity to intersections





## WHAT'S NEXT?

The Lincoln Crash Data Analysis summarizes crash trends across all streets and provides location-specific safety evaluations and project recommendations. Updating and maintaining this Crash Data Analysis provides insight into the effectiveness of past programs and informs the City if changes need to be made to address emerging crash trends. The analysis can be found on the City of Lincoln, Traffic Engineering home page (*lincoln.ne.gov/city/ltu/engine/traffic*).

VISION ZERO is a strategy to eliminate traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all. It is being adopted by a growing number of national and international communities. While safe mobility is not a new concept, Vision Zero requires a shift in how communities approach decisions, actions, and attitudes around safe mobility. Lincoln is ready to meet this challenge. Lincoln will be working towards a VISION ZERO program.

