
PEDESTRIAN AND BICYCLE PROGRAMS/ DATA ANALYSIS

RAYMOND HESS, TRANSPORTATION MANAGER



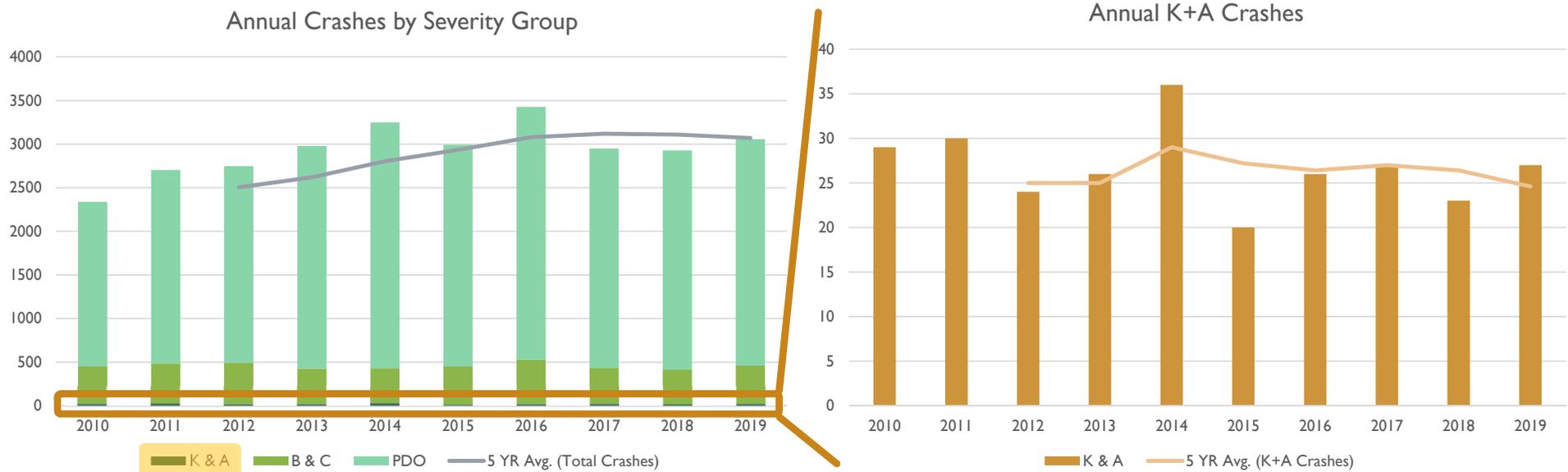
Presentation Overview:

1. Crash Report and Characteristics
2. Strategies
3. Pedestrian Initiatives
4. Bicycling Initiative
5. Healthy Streets
6. Traffic Calming
7. Transportation Plan Update

CRASH REPORT

Source: Draft 2010-2019 Crash Data Report

All Crashes

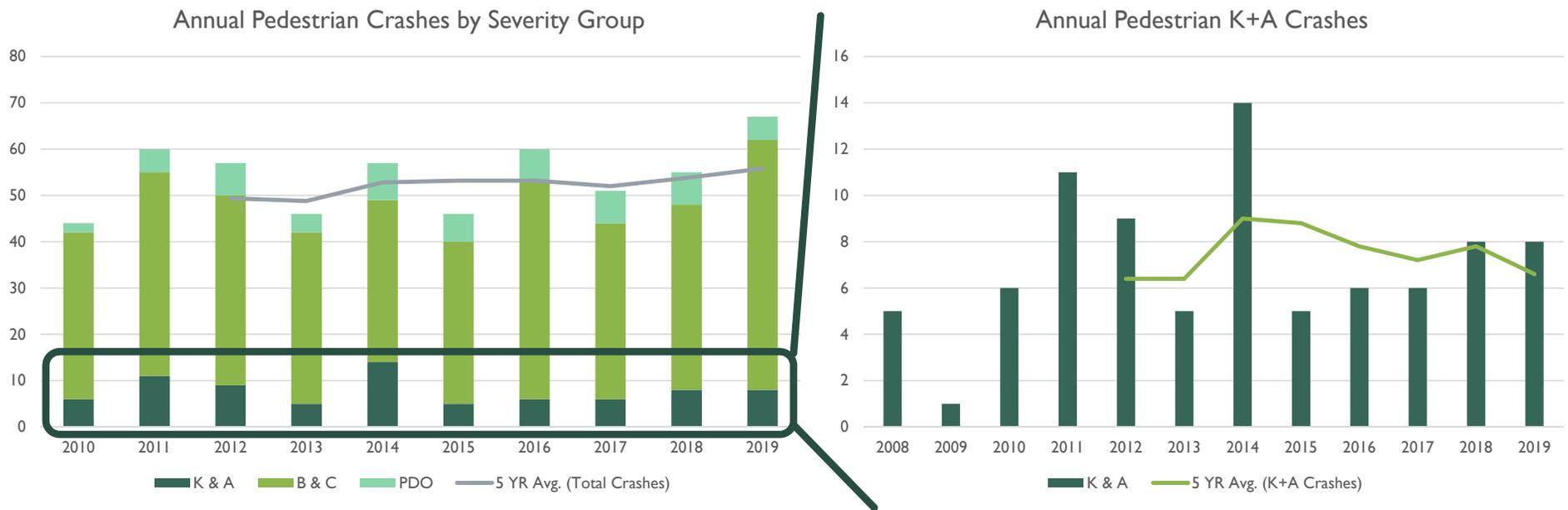


K = Fatality; A = Incapacitating Injury; B = Non-Incapacitating; C = No visible injury but possible pain; PDO = property damage only

CRASH REPORT

Source: Draft 2010-2019 Crash Data Report

Pedestrian Crashes



K = Fatality; A = Incapacitating Injury; B = Non-Incapacitating; C = No visible injury but possible pain; PDO = property damage only

CRASH REPORT

Source: Draft 2010-2019 Crash Data Report

Bicycle Crashes



K = Fatality; A = Incapacitating Injury; B = Non-Incapacitating; C = No visible injury but possible pain; PDO = property damage only

CRASH CHARACTERISTICS

Source: Mobility in Ann Arbor: Today Factbook

**Mode of Transportation
to Work**



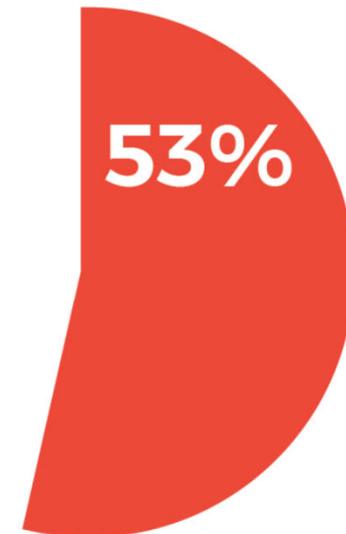
20% of Ann Arbor residents walk or bike to work.

**Serious Injuries
from Traffic Crashes**



36% of people seriously injured in traffic crashes in Ann Arbor are walking or biking.

**Fatalities
from Traffic Crashes**



53% of people killed in traffic crashes in Ann Arbor are walking or biking.

CRASH CHARACTERISTICS

Source: Mobility in Ann Arbor: Today Factbook

hit by a person driving
on a road with a
speed limit of...

● person walking
survived collision ● resulted in a
fatality

20 MPH



30 MPH



40 MPH



CRASH CHARACTERISTICS

Source: Mobility in Ann Arbor: Today Factbook

Speed Limit

55% of all crashes where a person is killed or seriously injured occurred on streets with a speed limit of **35 MPH or greater**.

% of severe crashes on 35mph or higher streets



% of all street miles



Number of Lanes

40% of all crashes where a person is killed or seriously injured occurred on streets with **four or more lanes**.

% of severe crashes on streets with 4 lanes or more



% of all street miles



CRASH CHARACTERISTICS

Source: Mobility in Ann Arbor: Today Factbook

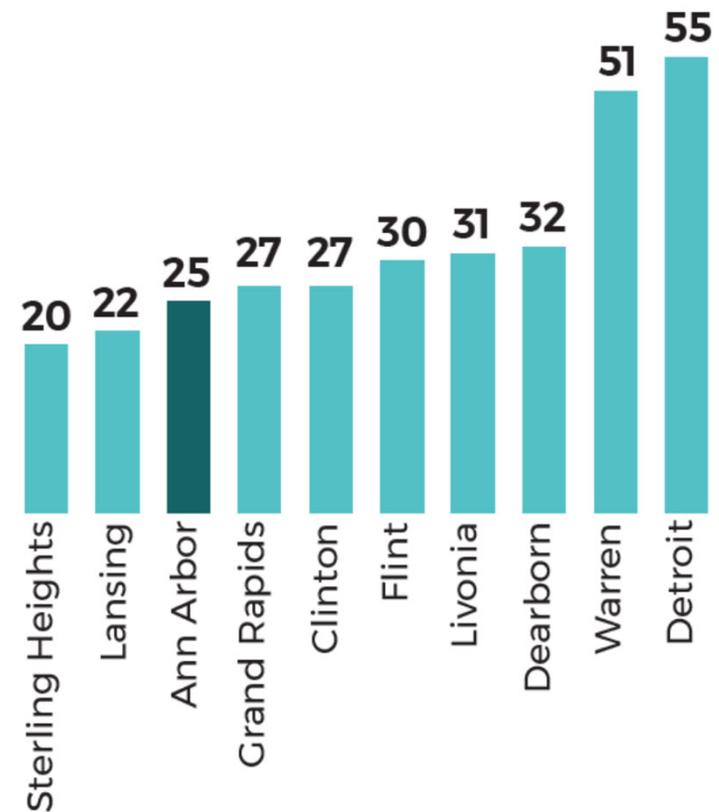
70% of all crashes that resulted in a fatality or serious injury involved one or more of the following dangerous behaviors:

- **Failure to yield**
- **Impaired driving**
- **Speeding**
- **Disregarded traffic signs/signals**
- **Reckless/careless driving**

CRASH CHARACTERISTICS

Source: Mobility in Ann Arbor: Today Factbook

Crash Rates for 10 Largest Municipalities in Michigan³¹
(2009-2018 fatalities and serious injuries/100,000 people)



STRATEGIES

- 6 “E” Framework
- Know Your Assets
- Data Driven Decision Making
- Guidelines
- Emulate Best Practices
- Systems Approach



PEDESTRIAN INITIATIVES

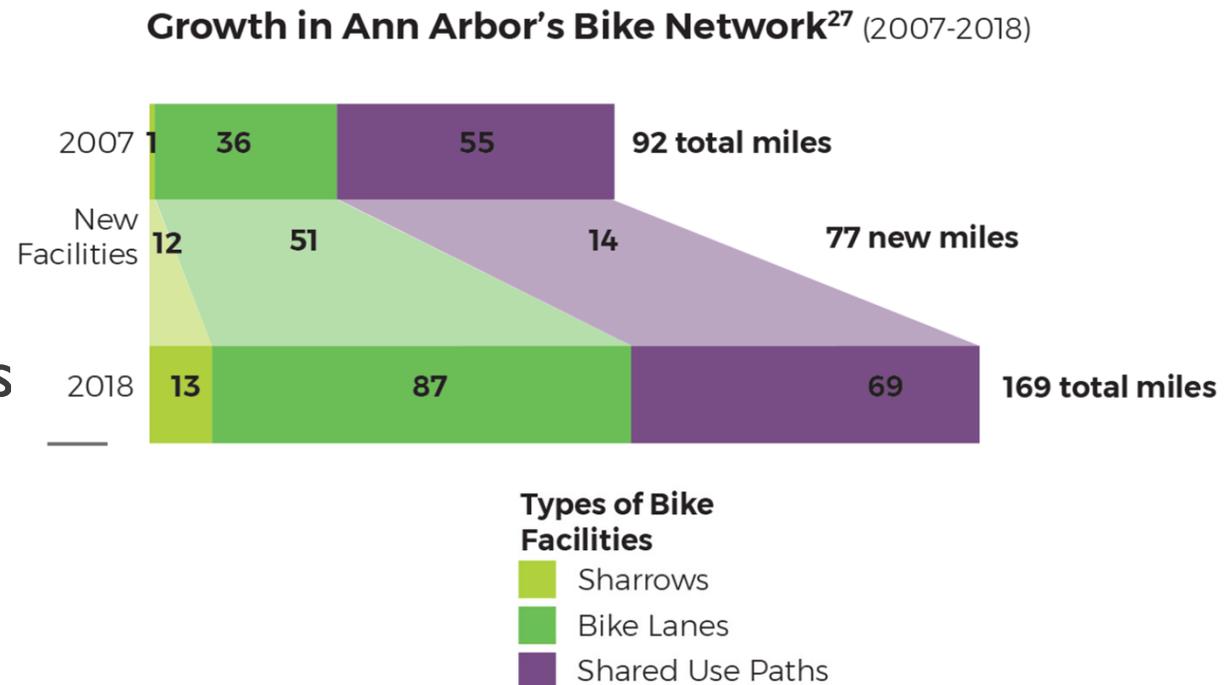
- Inventory and Target Design
- RRFBs
- School Zones
- Countdown Pedestrian Signals
- Leading Pedestrian Intervals
- Streetlights



BICYCLING INITIATIVES

Graphic Source: Mobility in Ann Arbor: Today Factbook

- Protected and buffered bike lanes
- Green pavement
- Non-Motorized Progress Report + Counts
- Bike light give-away



HEALTHY STREETS

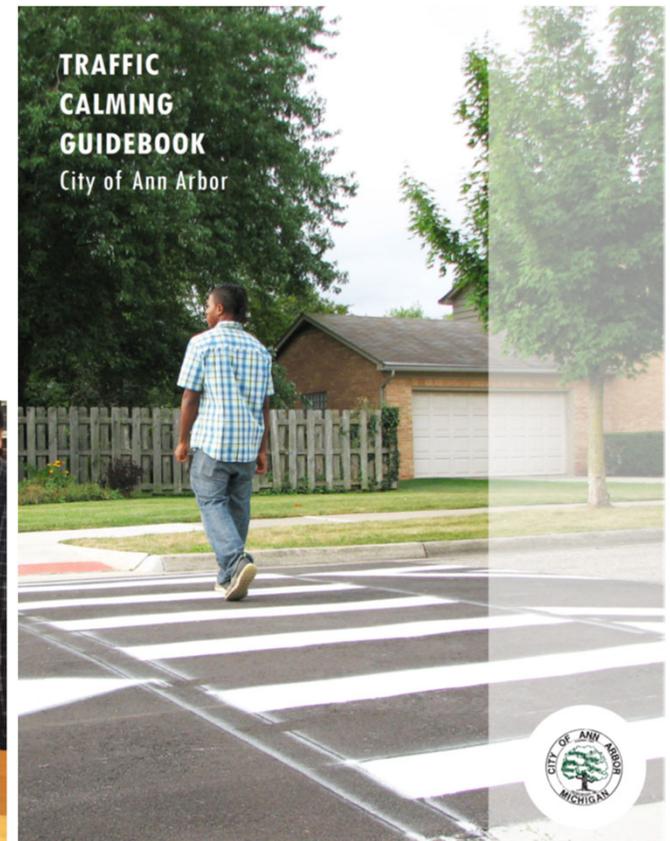
- Online Engagement
- Neighborhood Slow Streets
- Major Streets Reconfigurations



TRAFFIC CALMING

Source: Traffic Calming Guidebook

- Fernwood Ave
- Glenwood Dr
- 6 more in queue



TRANSPORTATION PLAN UPDATE

Source: Draft Ann Arbor Moving Together Plan

ANN ARBOR MOVING TOGETHER

TOWARDS VISION ZERO



- Safety
- Mobility
- Accessibility for all
- Healthy people and sustainable places
- Regional connectivity

TRANSPORTATION PLAN UPDATE

Source: Draft Ann Arbor Moving Together Plan; Clipart by Unknown
Author is licensed under [CC BY](#)

ANN ARBOR MOVING TOGETHER

TOWARDS VISION ZERO



- Discovery Phase
- Ideation Phase
- Action Plan Phase



VISION ZERO NETWORK

Source: <https://visionzeronetwork.org/>

“Vision Zero is a strategy to eliminate traffic fatalities and severe injuries among all road users, and to ensure safe, healthy, equitable mobility for all”

VISION ZERO IS ACHIEVABLE!!!

PEDESTRIAN AND BICYCLE PROGRAMS/ DATA ANALYSIS

RAYMOND HESS, TRANSPORTATION MANAGER



Thank You!