



### PEDESTRIAN SAFETY WEBINAR

February 21, 2019

Pedestrian Advisory Committee

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### **AGENDA**

- Introductions
- Vision Zero
- Initial Safe Streets Analysis Results
- Intro to Low-Stress Walk Network
- Next Steps

# VISION ZERO

### WHAT IS VISION ZERO?

VISIONZERO

- Comprehensive travel safety program
- Goals:
  - Reduce the number of traffic-related fatalities and serious injuries to zero.
  - Reduce other types of collisions for people using all modes of travel.
  - Improve travel conditions for people walking and bicycling by addressing travel comfort and security.
- Intro video: https://vimeo.com/247190014

"Traffic collisions are preventable, and even one fatality is too many."



4 E's



Education/Encouragement



Enforcement



Engineering



**Evaluation** 

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### **VISION ZERO: COMMUNITY-WIDE EDUCATION**

Community-wide education through social media





"Craig Towler lost both his legs – and nearly his life – on July 4, 2016, in Boulder due to an impaired driver. Craig, and the city, ask that you never, ever drive impaired." <a href="https://www.nearly.com/ow.ly/mxn130kJDe2">ow.ly/mxn130kJDe2</a> #VisionZero





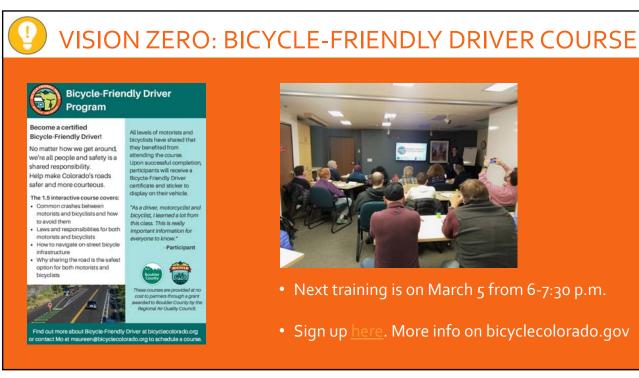


VISION ZERO: HEADS UP CROSSWALK SAFETY CAMPAIGN

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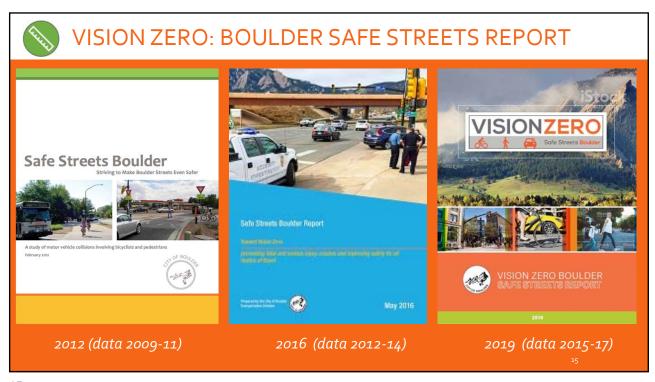




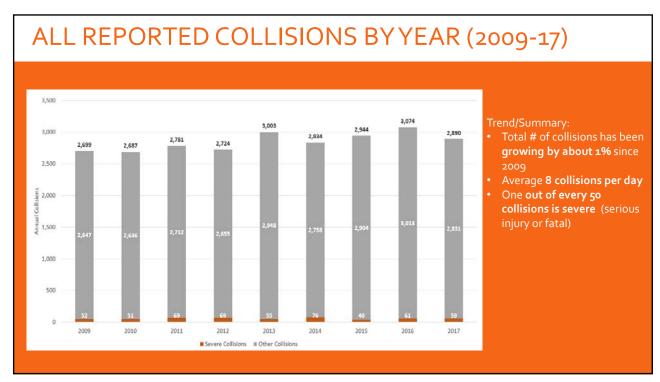


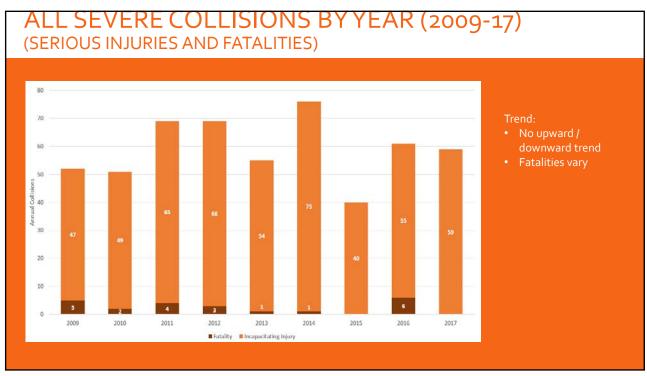
\* 141 mitigation tactics in 83 locations

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## INITIAL SAFE STREETS ANALYSIS RESULTS



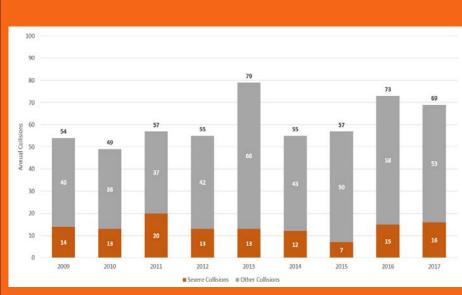


### WHEN ARE COLLISIONS OCCURRING?

- More common in August, September and October
- More common on weekdays than during the weekend
- Occur more often in the afternoon **between 12:00 p.m. and 5 p.m**.

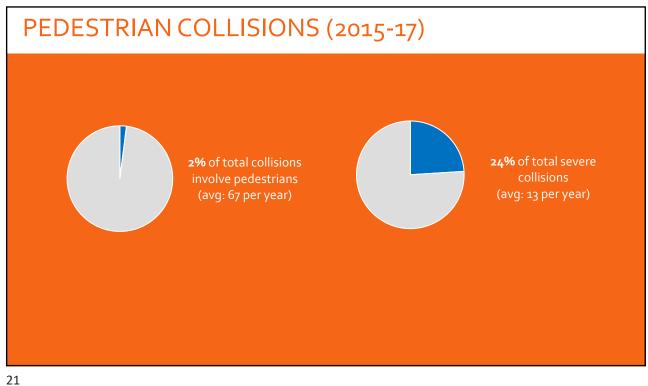
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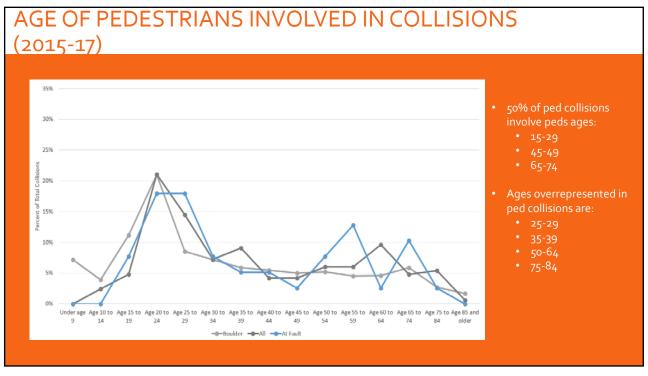
## PEDESTRIAN COLLISIONS BY YEAR (2009-17)



### Trend:

- Total number is increasing at a rate of 2 per year
- No upward / downward trend in severe





### **QUESTION TO PARTICIPANTS:**

## Where do you think most pedestrian collisions occur?

- Crosswalks
- Driveways/alleys
- Parking lots
- Roadways
- Sidewalks/multi-use paths

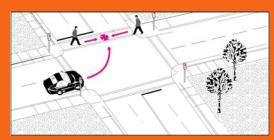
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## Location of All Pedestrian Collisions Location of Severe Pedestrian Collisions Location of Severe Pedestrian Collisions Location of Severe Pedestrian Collisions From Park, 289 Parking Lot, 489 Crosswalk, 5896 \* 58% of total ped collisions occur in crosswalks, 1 out of 6 is severe (where a sidewalk crosses an intersection, driveway or at a mid-block crosswalk) \* 26% in roadway, 1 out of 3 severe (in a roadway means not in an intersection, but could be close to intersection)

### TYPES OF PEDESTRIAN COLLISIONS

### Turning vehicles

- 41% of all ped collisions involve a ped crossing a roadway when a vehicle is turning
- 1 out of 6 is severe (= 12 severe collisions)
- Left turning cars (9 out of 12)
- Right turning cars (3 out of 12)



Example: left turning car

### Pedestrian dash/dart-out

- 18 % of all ped collisions involve a pedestrian walking or running out into the roadway
- 1 out of 3 is severe (= 10 severe collisions)
- Pedestrian dash out (running) between two parked cars (8 out of 10)
- Pedestrian dart out (view is blocked) (2 out 10)

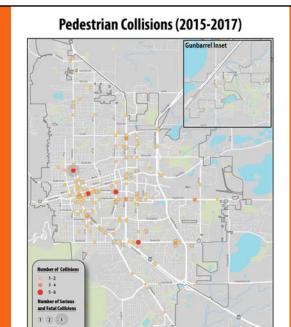


Example: Pedestrian dashing out between two parked cars

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### **QUESTION TO PARTICIPANTS:**

At which specific locations do you think pedestrian collisions happen most?



- High crash corridors:
  - Arapahoe
  - Broadway
  - Folsom
  - 28<sup>th</sup> Street
- High crash intersections
  - Broadway/North
  - 15<sup>th</sup>/Canyon
  - Folsom/Canyon
  - 30<sup>th</sup>/Baseline

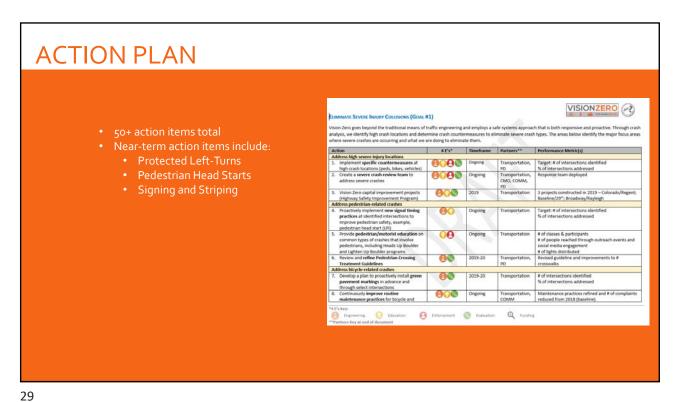
### SPEED AND IMPAIRMENT

### **Speed-related collisions:**

- Speed was an **influential factor** causing severe injury or
- The vehicle traveled over the posted speed limit
- No speed-related collisions involving pedestrians occurred in 2015-17

### Impaired collisions:





### **QUESTION TO PARTICIPANTS:**

What other pedestrian safety questions would you like answered?

### LOW-STRESS WALK NETWORK

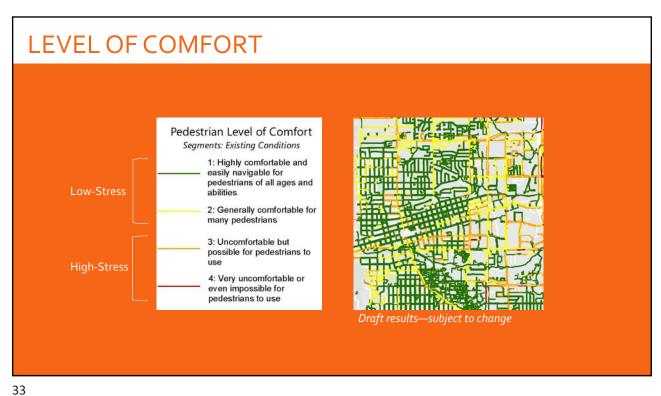
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### LOW-STRESS WALK NETWORK PLAN

- Reflect comfort to support identification of improvement projects
- Emulate Low-/High-Stress assessment of bike facilities
- Separate methodology for segments and crossings
- Use available data for key factors
- Update/improve over time



Low-/High-Stress Bike Map



### PRELIMINARY FACTORS

### Segments

- Presence of Sidewalk and Type
- Number of Travel Lanes
- Posted Speed Limit
- Commercial Driveway Curb Cuts

### Crossings

- Marked/Unmarked
- Treatment (signal, stop sign, etc.)
- Crossing Distance/# of Travel Lanes
- Maximum Posted Speed at Intersection

### 15-MINUTE NEIGHBORHOOD Access/walkability scores Question of the Month Walkable Destinations Low-Stress Facilities # of Responses SCHOOLS LIBRARIES CITY RECREATION. TRAILHEADS BUS STOPS RESTAURANTS/PUBS/BARS PARKS/NEIGHBORHOOD. CAFES/COFFEE SHOPS GROCERY STORES 50 100 150

35

## NEXT STEPS

### **NEXT STEPS**

### Safe Streets Report

• Final report Q2 2019

### THANK YOU!

### **Low-Stress Walk Network**

- Finalize comfort methodology and apply 15-min neighborhood Q1 2019
- Identify projects Q2 2019

### **Pedestrian Plan**

- March TBD: Walkabout #4
- Wed, March 20: Pedestrian Advisory Committee Meeting #4
- Thu, Mar 21: TMP Open House
- Thu, Apr 4: What's Up Boulder Open House

### **Questions?**

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