



#### Introductions



## The Safe Systems Principles

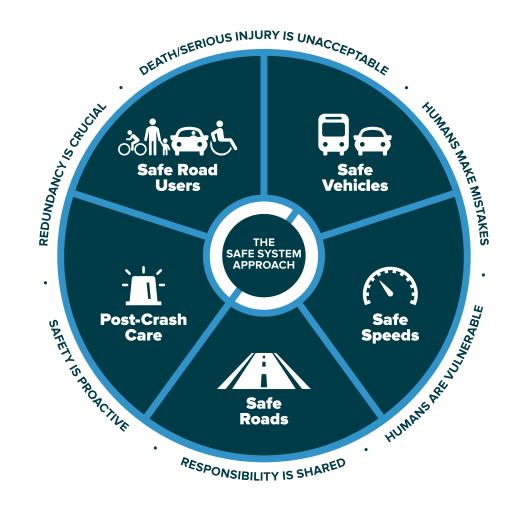
#### Safety Vocabulary

- Crashes not accidents
- KSI Killed or Serious Injury Crashes
- Proven Safety Countermeasure an action designed to reduce KSI crashes
- Systemic Safety applying changes to a system based on risk and not just history



## The Safe System Approach

- Aims to eliminate fatal and serious injuries for all road users by:
  - accommodating human mistakes
  - keeping impacts on the human body at tolerable levels





## Principles



Death/serious injury is unacceptable



Humans make mistakes



Humans are vulnerable



Responsibility is shared



Safety is proactive



Redundancy is crucial



#### **Elements**



Safe road users



Safe vehicles



Safe speeds



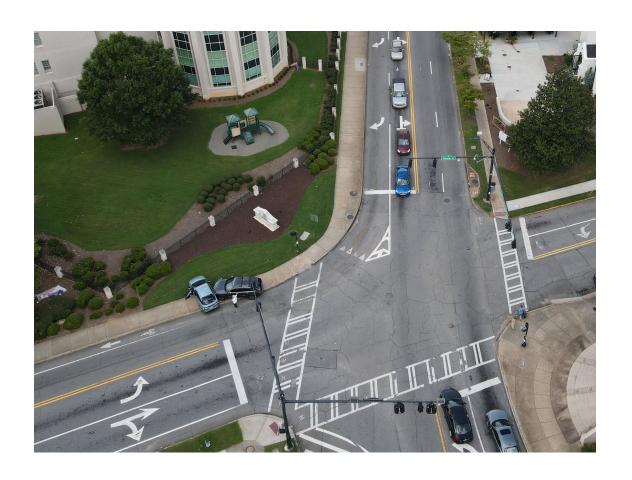


Post-crash care



#### Crash Type Examples

- Pedestrians
  - Multiple Threat
  - Turning Vehicles
- Bicyclists
  - Right Hook
  - Vehicle Overtaking Bicycle
- Roadway Departures
  - Ran off road (with or without curve)
- Intersections
  - Left Turn
  - Sideswipe







### Safety Focus Areas

- Speed Management
- Pedestrian/Bicyclist
- Roadway Departure
- Intersections
- Crosscutting





### Proven Safety Countermeasures

- Speed Management
  - Appropriate Speed Limits
  - Speed Cameras
- Pedestrian/Bicyclist
  - Refuges
  - Bike Lanes
- Roadway Departure
- Intersections
- Crosscutting



































### Proven Safety Countermeasures

- Speed Management
- Pedestrian/Bicyclist
- Roadway Departure
  - Enhanced Delineation
  - Design Changes at Curves
- Intersections
  - Access Management
  - Reduce Left Turn Conflicts
  - Roundabouts
- Crosscutting
  - Lighting
  - Pavement Friction Management





































#### **Breakout Discussion**

# Have you ever been in a crash?



#### **Questions for Discussion**

- 1. How do you learn about road safety issues in your community?
- 2. What are the specific locations in your community that have been identified as having crashes/near crashes that safety countermeasures can be implemented?
- 3. How would you describe your community's approach to increasing road safety?
- 4. After you have identified a corridor or intersection in need of safety improvements, what comes next?
- 5. How well do your local leaders and agency staff understand road safety issues?





#### Your Input for Safety Webinars

# What will be valuable to learn during this project?





# **Next Steps**