



1

Agenda

- Iowa SHSP (Strategic Highway Safety Plan)
 - Overview and Development Process
 - Emphasis Areas
 - Safe Systems Approach
 - Next Steps
- Iowa VRU (Vulnerable Road User) Safety Assessment
 - Overview
 - Methodology and Development Process
 - Engagement
 - Next Steps

2

Iowa SHSP Overview

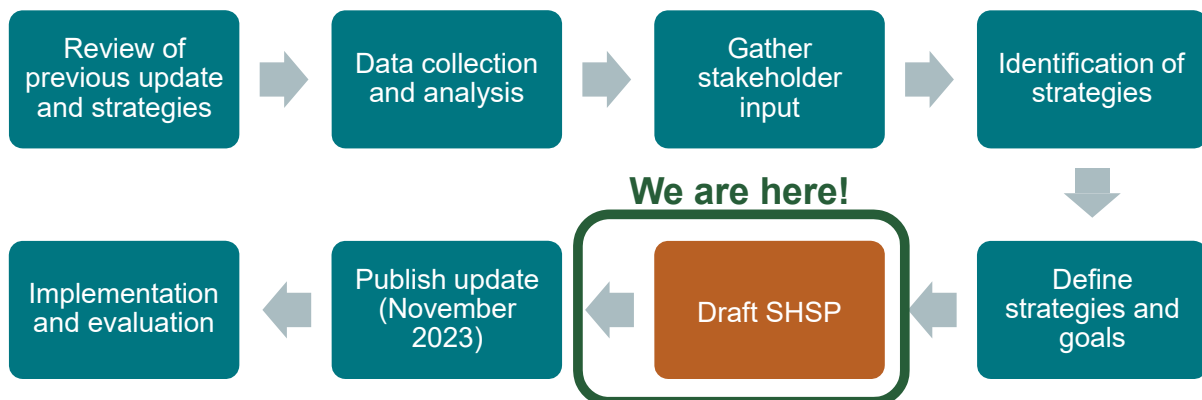
- Federal requirement for states since the adoption of Safe, Accountable, Flexible, Efficient, Transportation Equity Act: A Legacy for Users (SAFETEA-LU) in 2005
- Drives funding and safety initiatives statewide
- Must be updated every five years



IOWADOT

3

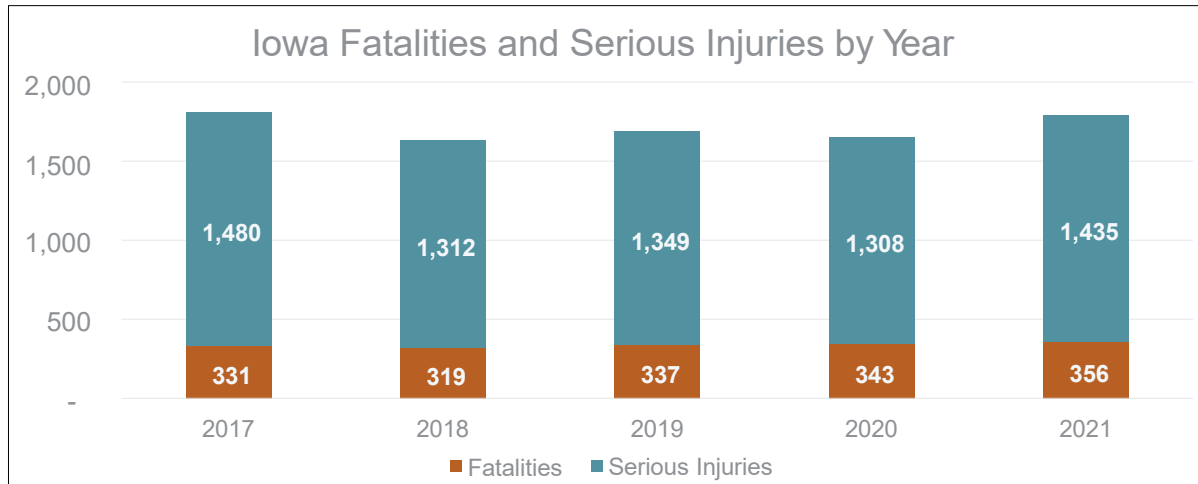
Development Process



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4

Crash Analysis



5

SHSP Emphasis Areas

- Analyzed 18 emphasis areas that impact roadway safety
 - Fatal and serious injury crash analysis by emphasis
 - Survey of Advisory Team and stakeholders

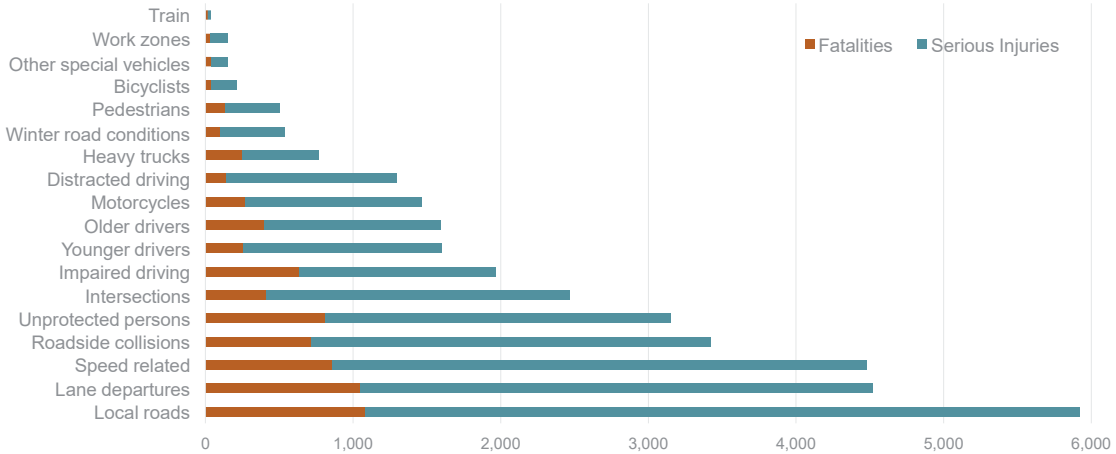
Goal: Identify critical emphasis areas that have the greatest potential to reduce fatalities and serious injuries on Iowa's roads



6

Crash Analysis

Fatalities and Serious Injuries by Emphasis Area (2017 - 2021)



Note: Fatalities and serious injuries can include multiple emphasis areas.



7

Collaboration

- Diverse group of safety professionals involved in the update



8

Advisory Team Input

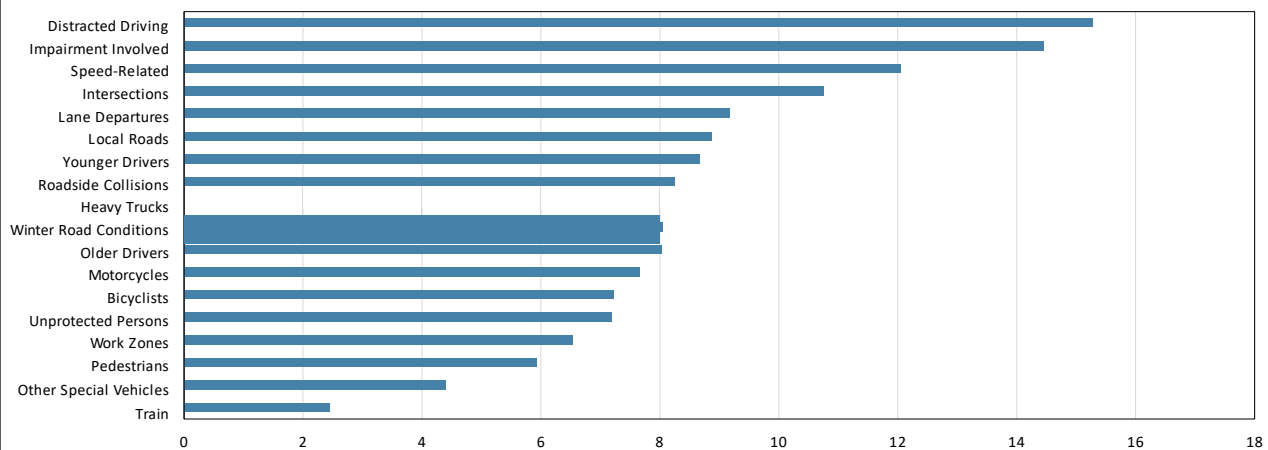
- Multiple Advisory Team Meetings to:
 - Present crash data
 - Present survey findings
 - Obtain input on the Emphasis Areas
 - Review strategies and output measures



9

Survey Results

Please rank the following emphasis areas in order of importance.



As of 03/27/2023: 459/540 respondents (85%)



10

Survey and Crash Analysis Results

Emphasis Area	Rank			2017 to 2021 Fatalities and Serious Injuries Rank
	All	Stakeholder	Advisory Team	
Distracted Driving	1	1	1	11
Impairment Involved	2	2	2	7
Speed-Related	3	3	3	3
Intersections	4	4	6	6
Lane Departures	5	5	4	2
Local Roads	6	6	12	1
Younger Drivers	7	7	7	8
Roadside Collisions	8	8	13	4
Heavy Trucks	9	10	9	12
Winter Road Conditions	10	9	16	13
Older Drivers	11	11	10	9
Motorcycles	12	12	11	10
Bicyclists	13	13	14	15
Unprotected Persons	14	14	5	5
Work Zones	15	15	8	17
Pedestrians	16	16	15	14
Other Special Vehicles	17	17	17	16
Train	18	18	18	18

11

Safe System Approach



APPROACH

Zero is our goal. A Safe System is how we get there.



Source:
<https://highways.dot.gov/safety/zero-deaths>



12

Emphasis Areas

- Grouping based on the Safe System Approach

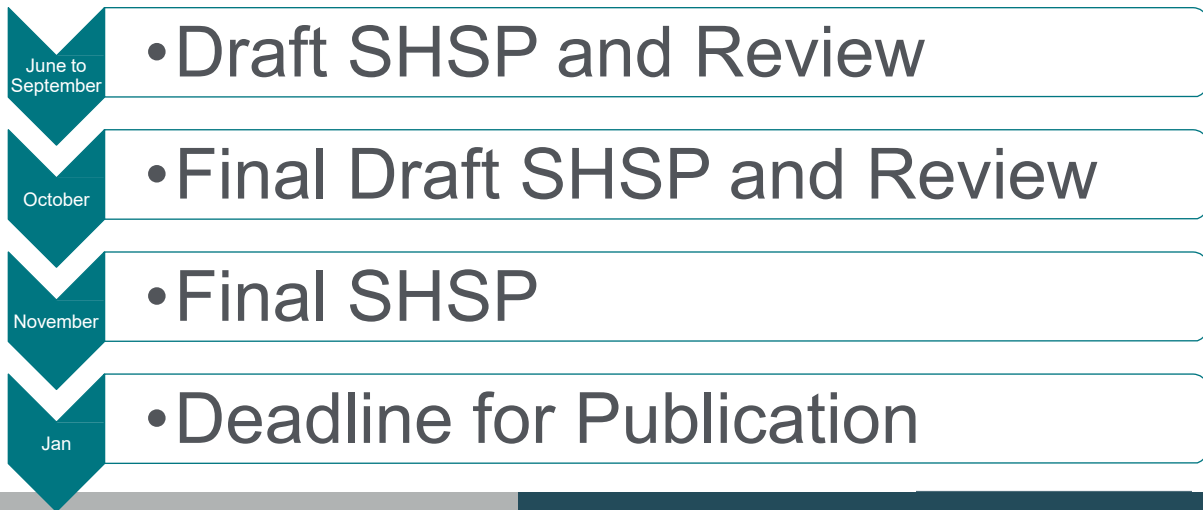
Safer People	Post-Crash Care	Safer Vehicles	Safer Speeds	Safer Roads
Occupant Protection (37%) * Impairment Involved (23%) * Distracted Driving (15%) * Younger Drivers (19%) Older Drivers (19%) Bicyclists (3%) Pedestrians (6%)	Post Crash Care	Heavy Trucks (9%) Motorcycles (17%) Other Special Vehicles (2%) Train (0.4%)	Speed-related (52%) *	Local Roads (69%) * Lane Departures (53%) * Intersections (29%) * Roadside Collisions (40%) Winter Road Conditions (6%) Work Zones (2%)

Percent indicates percentage of fatalities and serious injuries associated with the Emphasis Area. Note: Fatalities and serious injuries can include multiple Emphasis Areas.
*Indicates Key Emphasis Areas



13

Next Steps



14

Iowa VRU Safety Assessment Overview

- New requirement from the Bipartisan Infrastructure Law
- Must be approved by the governor or designee



Due: November 15, 2023

“All states are required to develop a Vulnerable Road User Safety Assessment as part of their Highway Safety Improvement Program (HSIP) in accordance with 23 U.S.C. 148(1).”



15

Methodology

- Builds off previous *Statewide Bicycle Pedestrian Systemic Safety Analysis 2020*
- Utilizes 10 years of crash data (January 1, 2013 through December 31, 2023)
- Adds equity data analysis
- Identifies strategies to address safety risks for VRU
- Develops high-level recommendations for 16 locations



Statewide Bicycle and Pedestrian Systemic Safety Analysis 2020

SYSTEMS PLANNING BUREAU



16

Development Process



17

Engagement

- MPO/RPA
 - June 21
 - September 20: present analysis and findings
- Bicycle and Pedestrian Advisory Committee
 - Targeting an August presentation
- SHSP Advisory Team
- Targeting end of October/early November period for input on draft document



18

Next Steps

- June/July • VRU Risk Factor Assessment
- Aug/Sept • Engagement, Strategy, and Project Development
- Oct/Nov • Review of Draft VRU Safety Assessment
- Nov • Final VRU Safety Assessment / Deadline for Publication



19



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20