

The 2025-2029 Strategic Highway Safety Plan

Northwest Minnesota Toward Zero Deaths Regional Workshop

April 23, 2024

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Introductions



Derek Leuer State Traffic Safety Engineer















Tim Burkhardt Director of Transportation Planning



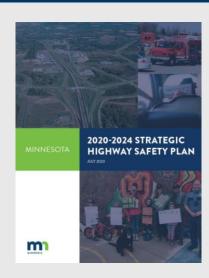


What is the Strategic Highway Safety Plan (SHSP)?

What is the SHSP?

The Minnesota Strategic Highway Safety Plan (SHSP)

- Sets statewide direction to reduce traffic fatalities and serious injuries for all roadway users
- Recognizes that a single crash can have multiple contributing factors
- Promotes partnerships to positively impact safety
- Is informed by data and input from traffic safety professionals and advocates from many disciplines
- Is required by federal law and updated every 5 years



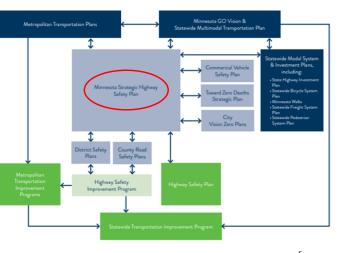
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2

What is the SHSP?

The Minnesota **Strategic Highway Safety Plan** (SHSP)

- Federally required but not just a checkbox for Minnesota
- Sets spending priorities for HSIP and HSP
- Relevant for all traffic safety partners: state, county, local
- Helps feed traffic safety elements of other plans



5

What is the SHSP?

What's inside the current SHSP?

- Crash Data and Trends
- Engagement Results
- Focus Areas
- Priorities
- Action-Oriented Strategies to Reduce Crashes

IMPAIRED ROADWAY USERS

TIMEFRAME TACTIC

STRATEGY1

INCREASE PUBLIC AWARENESS TO REDUCE IMPAIRED DRIVING

1.1. Increase public newareness of the dangers of impaired driving through media campaigns targeting issues and high-frield driver guose. Use care date analysis and maker traesersh is selected by the photo driver groups. The propose of the photo driver groups. The propose of the photo driver groups.

ON-GOING

1.2. Takine message pure or implaints personal responsibility so all drivers brown that even it is impairment can be dispersion.

ON-GOING

ON-GOING

1.3. Include residence based information about the effects of drag of their shows that even it is impairment tempore data collection and analysis for impaired driving officers related to drags officers that should not drive impairment to formation of the photo and the proposed data collection and analysis for impaired driving officers related to drags officers that should not drive the transition to formation of the photo and the photo and the photo and the photo analysis of the pho

ACTION ORIENTED STRATEGIES: CORE FOCUS AREAS

What is the SHSP?

What's new in the 2025-2029 SHSP?

- Includes a review of best practices around the country
- Incorporates the Safe System Approach
- Elevates equity and the needs of vulnerable populations
- Embraces positive social norming and behavior change
- Includes customized reports for regions around the state







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SHSP Combines Crash Data and Stakeholder Input



Advisory Council on Traffic Safety (TZD Leadership Team)



TZD Conferences and Regional Workshops (2023 & 2024)



Meetings with MPOs, Cities, Counties, ATPs, Etc.



Equity-Focused Outreach Meetings



Vulnerable Road User Safety Assessment



Online Public Engagement (Surveys, Etc.)

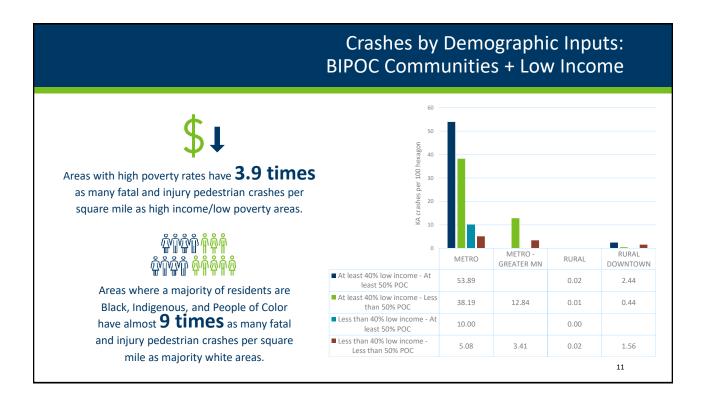


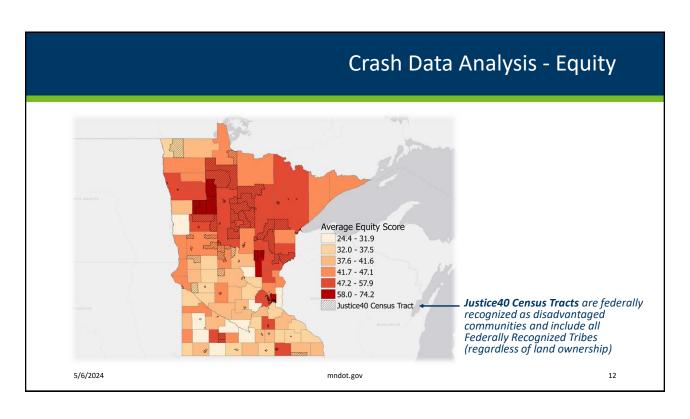
Elevating Equity in the 2025-2029 SHSP

MnDOT's Equity Commitment

MnDOT is committed to creating an equitable transportation system.

Transportation equity means the benefits and burdens of transportation systems, services and spending are fair and just, which historically has not been the case. Transportation equity requires ensuring underserved communities, especially Black, Indigenous and People of Color, share in the power of decision making.







Traffic Safety Focus Areas

Focus Areas

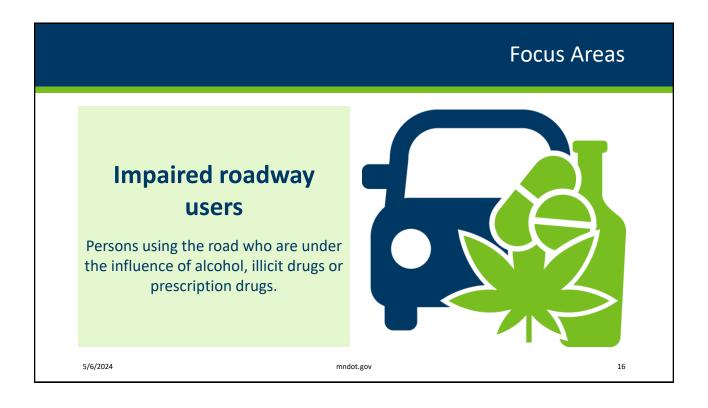
Minnesota's traffic safety focus areas are

crash types

or

factors that contribute to crashes

Inattentive drivers Drivers who are not focusing on the task of driving because of distractions, such as talking on the phone or texting.



Unbelted vehicle occupants

Drivers or passengers who are not restrained in the appropriate fashion based on age or weight.



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Focus Areas

Unlicensed drivers

Drivers who are without a license or with a license that has been suspended, revoked, expired, or canceled.



Older drivers

Drivers who are over 64 years of age.

The number of older drivers will continue to increase as the "baby boom" generation ages and continues to drive.



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Focus Areas

Younger drivers

Drivers who are under 21 years of age.

Newly licensed drivers with less than a year's experience are particularly vulnerable to crashes. A lack of driving experience and a tendency toward risk taking also contribute to crashes involving younger drivers.



Speed

Drivers who are driving aggressively, over the posted speed limit or too fast for conditions. The probability of death or serious injury grows with higher speed at impact.



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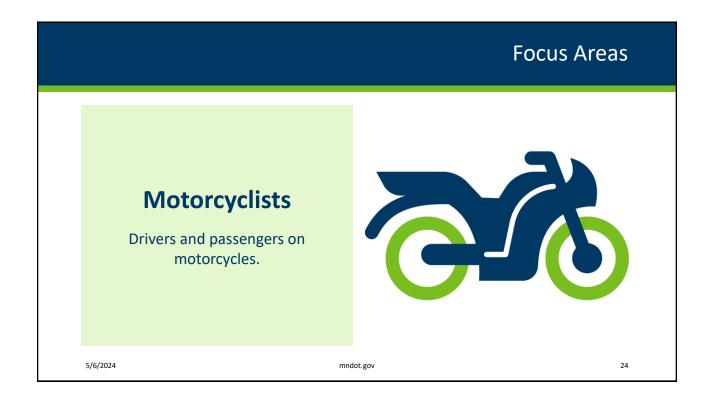
Focus Areas

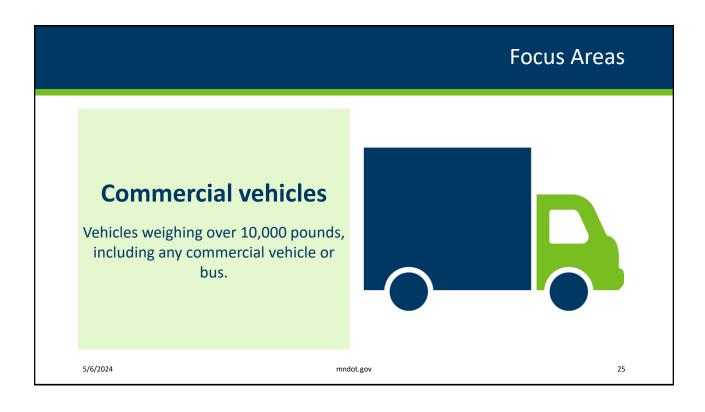
Pedestrians

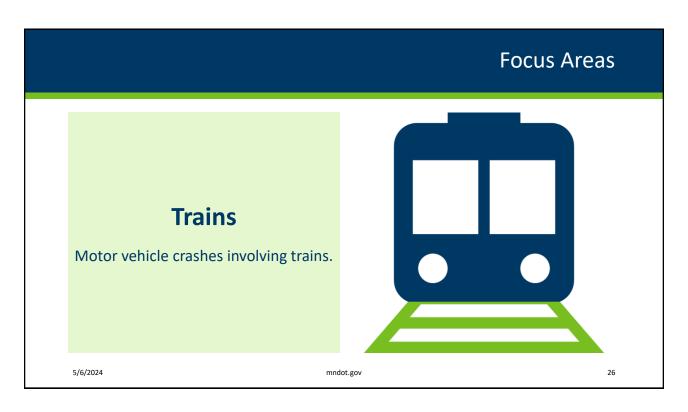
All persons walking, exiting from vehicles or operating a mobility assistance device (e.g., wheel chair) on public roadways who are struck by a motor vehicle.

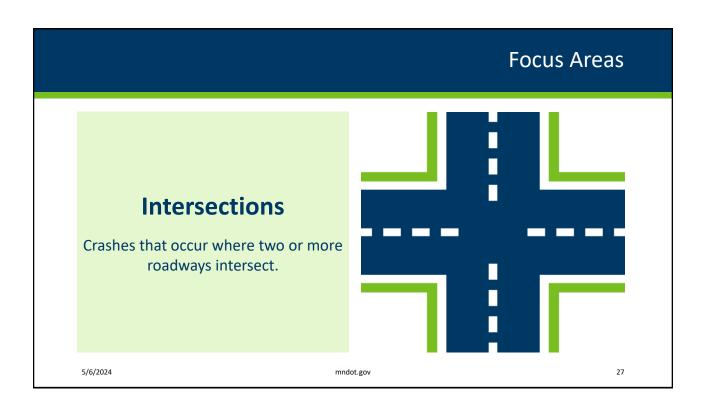


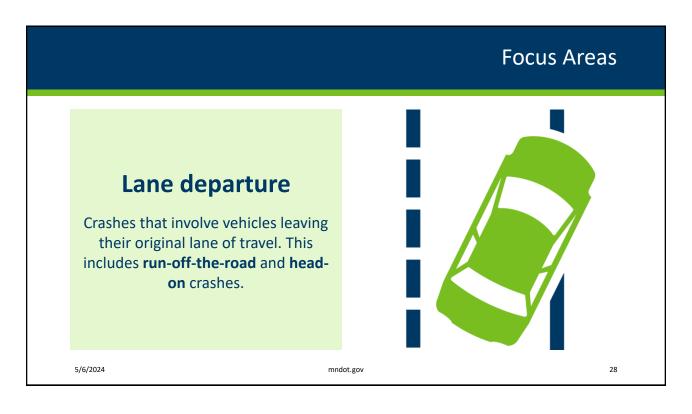
Bicyclists All persons riding a bicycle on a street, trail, bike lane or sidewalk who are struck by a motor vehicle.

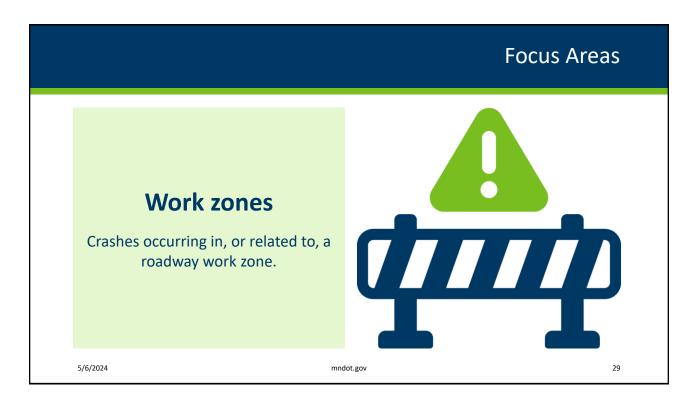


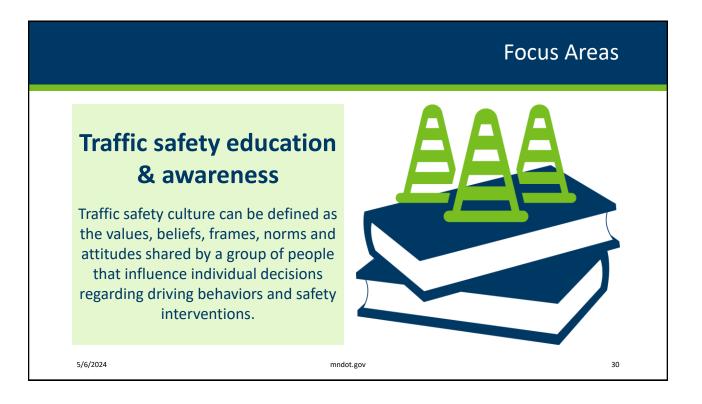












EMS & trauma systems All response and emergency treatment systems involved in caring for victims of traffic crashes.

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Vehicle safety enhancements Vehicles features that can be added or optimized to provide increased safety for vehicle occupants. These may include airbags, stability control or lane departure alert as well as emerging connected and automated vehicle technology.

Data management

Fundamental data and systems used to evaluate traffic safety. This includes crash, vehicle, driver, roadway, citation/adjudication, and injury surveillance data.



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Focus Areas

Management systems

Management systems encompass the policies, processes and management approaches that integrate engineering, education, enforcement, emergency services and other disciplines and organizations.



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34

Traffic Safety Culture

This is an overarching focus area, fostering a culture of traffic safety in Minnesota supports all focus areas.

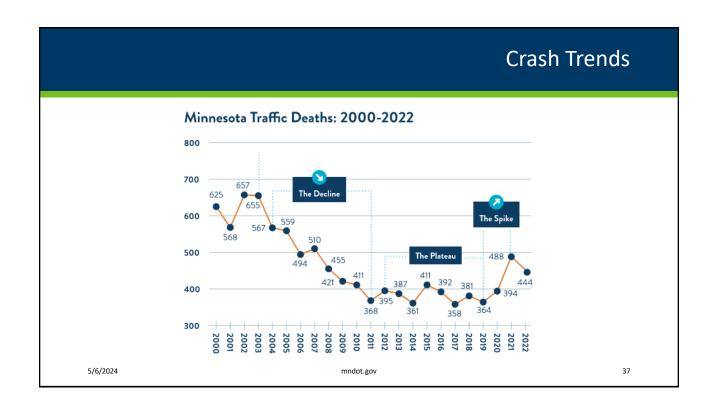
Traffic safety culture is the shared belief system of a group of people that influences their choice of behavior and actions that affect traffic safety.

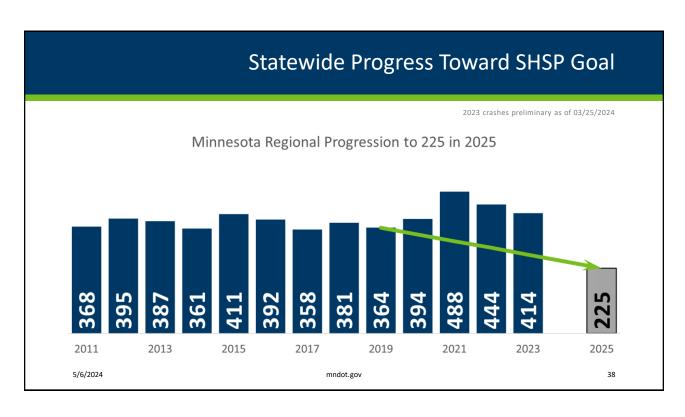


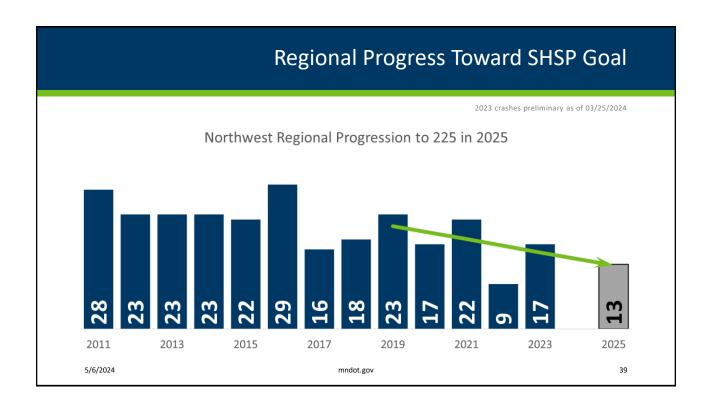
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Crash Data Overview







Statewide Crash Data – Focus Area Ranking												
	Fatal and Serious Injury Crashes = 8,188 over 5 years (2014-2018)											
1	Intersections	47%	6	Motorcyclists	17%	12	Head-On	11%				
2	Single Vehicle Run off the Road	31%	7	Unbelted Occupants Younger Drivers	16% 16%	13	Commercial Vehicles	9%				
3	Impairment	25%	9	Unlicensed Drivers	14%	14	Bicyclists	4%				
4	Speed	20%	10	Inattention	13%	15	Work Zones	2%				
5	Older Drivers	18%	11	Pedestrians	12%	16	Trains	0.4%				
			•					4				

Statewide Crash Data – Trends

1	Intersections	49%	6	Older Drivers	18%	11	Head-On	11%
2	Single Vehicle Run off the Road	32%	7	Motorcycles	17%	12	Commercial Vehicles	9%
3	Impairment	28%	8	Younger Drivers	16%	13	Inattention	8%
4	Speed	23%	9	Unbelted Occupants	15%	14	Bicyclists	4%
5	Unlicensed Drivers	20%	10	Pedestrians	12%	15	Work Zones	2%
						16	Trains	0.2%



Q & A

Whitney Mason | Project Manager MnDOT

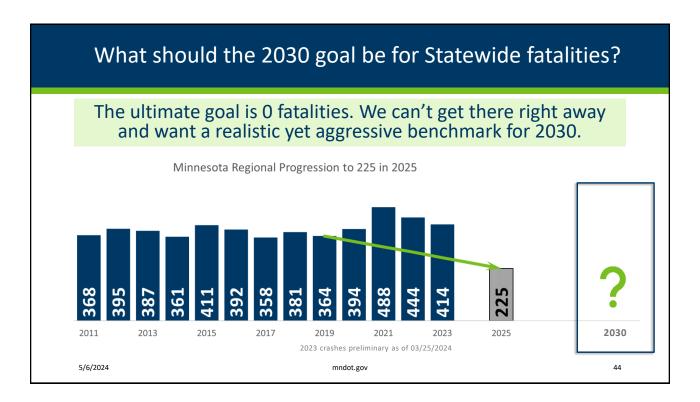
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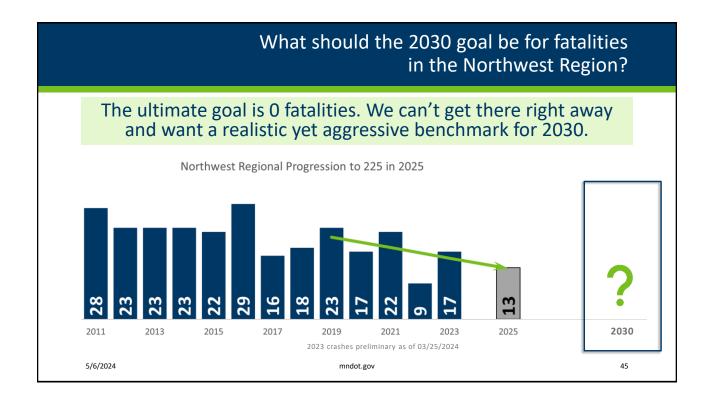
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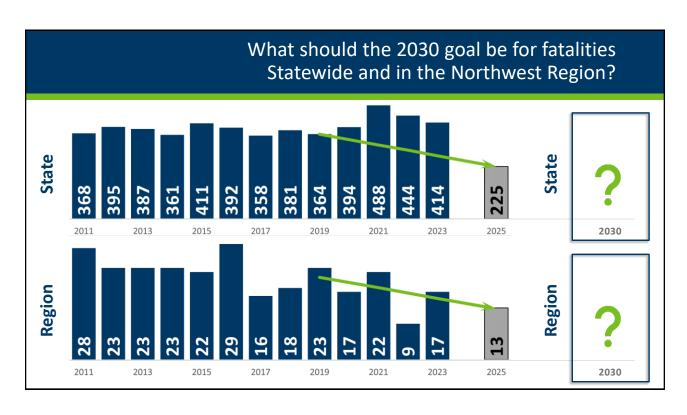
Hannah Johnson Alliant Engineering Professional Transportation Planner hjohnson@alliant-inc.com



2030 Traffic Safety Goal









SHSP Activity: Focus Area Prioritization

• Let's Play Crazy 8's ... MnDOT's version! 8 8 5/6/2024 mndot.gov 48

- Inattentive drivers
- Impaired roadway users
- Unbelted vehicle occupants
- Unlicensed drivers
- Older drivers
- Younger drivers
- Speed

- Pedestrians
- Bicyclists
- Motorcyclists
- · Commercial vehicles
- Trains
- Intersections
- Lane departure
- Work zones

- Traffic safety education & awareness
- EMS & trauma systems
- Vehicle safety enhancements
- Data management
- Management systems
- Traffic safety culture

5/6/2024 mndot.gov 49

Round 2: Narrow down to 6

- Of your top 8, which 2 are less important to focus on?
- Why?



- Inattentive drivers
- Impaired roadway users
- Unbelted vehicle occupants
- Unlicensed drivers
- Older drivers
- Younger drivers
- Speed

- Pedestrians
- Bicyclists
- Motorcyclists
- Commercial vehicles
- Trains
- Intersections
- Lane departure
- Work zones

- Traffic safety education & awareness
- EMS & trauma systems
- Vehicle safety enhancements
- Data management
- Management systems
- Traffic safety culture

5/6/2024 mndot.gov 5

Round 3: Narrow down to 4

- Of your top 6, which 2 are less important to focus on?
- Why?



- Inattentive drivers
- Impaired roadway users
- Unbelted vehicle occupants
- Unlicensed drivers
- Older drivers
- Younger drivers
- Speed

- Pedestrians
- Bicyclists
- Motorcyclists
- · Commercial vehicles
- Trains
- Intersections
- Lane departure
- Work zones

- Traffic safety education & awareness
- EMS & trauma systems
- Vehicle safety enhancements
- Data management
- Management systems
- Traffic safety culture

5/6/2024 mndot.gov 53

Round 4: Narrow down to 2

- Of your top 4, which 2 are less important to focus on?
- Why?



- Inattentive drivers
- Impaired roadway users
- Unbelted vehicle occupants
- Unlicensed drivers
- Older drivers
- Younger drivers
- Speed

- Pedestrians
- Bicyclists
- Motorcyclists
- Commercial vehicles
- Trains
- Intersections
- Lane departure
- Work zones

- Traffic safety education & awareness
- EMS & trauma systems
- Vehicle safety enhancements
- Data management
- Management systems
- Traffic safety culture

5/6/2024 mndot.gov 55

Round 5: Narrow down to 1

- Of your top 2, which 1 is the most important?
- Why?



- Inattentive drivers
- Impaired roadway users
- Unbelted vehicle occupants
- Unlicensed drivers
- Older drivers
- Younger drivers
- Speed

- Pedestrians
- Bicyclists
- Motorcyclists
- Commercial vehicles
- Trains
- Intersections
- Lane departure
- Work zones

- Traffic safety education & awareness
- EMS & trauma systems
- Vehicle safety enhancements
- Data management
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5/6/2024 mndot.gov 57

Crazy 8's Report Out



- Inattentive drivers
- Impaired roadway users
- Unbelted vehicle occupants
- Unlicensed drivers
- Older drivers
- Younger drivers
- Speed

- Pedestrians
- Bicyclists
- Motorcyclists
- Commercial vehicles
- Trains
- Intersections
- Lane departure
- Work zones

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5/6/2024 mndot.gov 5



SHSP Activity: Focus Area Strategy Review



Mark each page up – what would you change?



Add a "Yes" sticker to strategies & tactics that should be included in the 2025-2029 SHSP



Add a "No" sticker to strategies & tactics that should not be included in the 2025-2029 SHSP (already complete, not useful, etc.)



Share your thoughts!

- Add your ideas for new strategies recommendations
- Edit strategies from the old plan
- Write why a strategy works or doesn't work



Thank You!

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63