

# **2022 TZD CONFERENCE**

19th ANNUAL STATEWIDE CONFERENCE FOR TRAFFIC SAFETY STAKEHOLDERS



October 12-13, 2022

**River's Edge Convention Center** St. Cloud, Minnesota

Offered by:

Minnesota Toward Zero Deaths Program and Minnesota Departments of Public Safety, Transportation, and Health with funding from the National **Highway Traffic Safety Administration** 

MinnesotaTZD.org

Hosted by:

Center for Transportation Studies, University of Minnesota

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#### **Hosted by:**



# Mark Your Calendar 2023 Minnesota TZD Conference

November 14–15, 2023 Mayo Civic Center Rochester, MN

## Facilitated by:



# **TZD Traffic Safety Hotdish Webinars**

Join virtually www.minnesotatzd.org/events/hotdish

# **GENERAL INFORMATION**

**Welcome to the 2022 Toward Zero Deaths Conference!** This conference provides a forum for sharing information on best practices in engineering, enforcement, education, and emergency medical and trauma services. Discover and engage with new approaches in preventing traffic fatalities and life-changing injuries on Minnesota roads.

#### **Social Media**



@MNTZD and #mntzd2022



facebook.com/MNTZD

#### **Exhibit Information**

The exhibit space will be open on Wednesday, October 12, from 7:00 a.m. to 5:30 p.m. in Terry Haws C.

#### Reception

The conference reception will be held on Wednesday, October 12, from 4:30 to 5:30 p.m. in Terry Haws C. Enjoy hors d'oeuvres, visit the exhibitors, and network with other conference participants. All are welcome!

#### **Post-Conference Materials**

Presentation slides and handouts shared at the conference will be posted to the TZD website: minnesotatzd.org/events/conference/2022

#### **Conference Evaluation**

(Use to provide feedback on concurrent sessions and the overall conference.)



#### **Conference Credit**

Credit forms are on available on the TZD website: minnesotatzd.org/events/ conference/2022/credit. Print and keep each form for your records as well as the final program and any handouts from these sessions.

#### **Child Passenger Safety (CPS)**

In-person attendees are eligible for up to 5.5 CPS Continuing Education Units (CEUs) for the October 11 pre-conference training and up to 6.0 CEUs for conference sessions. Credit forms are available on-site. CEUs are not available for virtual attendance.

#### **Continuing Legal Education (CLE)**

In-person attendees are eligible for 8.5 Continuing Legal Education (CLE) credits.

#### **Emergency Medical and Trauma Services (EMS)**

In-person conference attendees are eligible for up to 8.5 EMS Continuing Education Units (CEUs).

#### **Peace Officer Standards and Training (POST)**

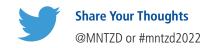
Earn up to four hours of POST credit on October 11; five hours of POST credit on October 12; and three hours of POST credit on October 13. Attendees must sign the POST Affidavit of Attendance roster at the registration desk in order to receive credit.

#### **Professional Development Hours (PDH)**

Earn up to 8.5 professional development hours.

# PROGRAM AT A GLANCE 2022 TOWARD ZERO DEATHS CONFERENCE

1:00–5:00 p.m.	CarFit Training (separate registration required) Mitchell/Schilplin			
4:00-6:30 p.m.	Participant Registration River's Edge Lobby and Exhibitor Setup Terry Haws C			
5:30-6:30 p.m.	Minnesota Coalitions Working Together Swisshelm/Whitney			
WEDNESDAY, OC	TOBER 12			
7:00–8:30 a.m.	Registration River's Edge Lobby Continental Breakfast and Exhibits Terry Haws C			
8:30-9:45 a.m.	Welcome, Opening Remarks, and Plenary: Aftermath of a DWI Crash—An Officer's Comeback Story Terry Haws A & B and livestreamed			
10:00-11:15 a.m.	Session 1 Investigating Alcohol Overservice and Discovering Real Solutions	Session 2 Meet the Manufacturers Wilson Suite	Session 3  Building Knowledge of CAV and Driverless Technology to Increase Safety	Session 4 Roadway Safety Features: Are They Working?
	Swisshelm/Whitney Room and livestreamed		Coborn/Metzroth/Helgeson Room and livestreamed	Mitchell/Schilplin Room
11:30 a.m.—noon	Luncheon Terry Haws A & B			
Noon-1:00 p.m.	Agency Commissioners' Comments and Awards Ceremony Terry Haws A & B and livestreamed			
1:00-1:30 p.m.	Break and Exhibits Terry Haws C			
1:30-2:45 p.m.	Session 9 Traffic Safety and Equity	Session 10 Autonomous Vehicle Technology	Session 11 Why Reinvent the Wheel? Partner	Session 12 Good Cars Gone Bad: New
	Swisshelm/Whitney Room and livestreamed	Wilson Suite	with a Traffic Safety Advocate!  Coborn/Metzroth/Helgeson Room and livestreamed	Vehicle Technology and New Risks to Responders
				Mitchell/Schilplin Room
2:45—3:15 p.m.	Break and Exhibits Terry Haws C			
3:15-4:30 p.m.	Session 17 Work Zone Promising Practices	Session 18 Who Wants to Be a	Session 19 The Impact of Speed and How	Session 20 Using IPAWS to Increase Traffic Safe
	Swisshelm/Whitney Room and livestreamed	Safety Millionaire?	Minnesota is Addressing the Problem	During Unexpected Road Closures
		Wilson Suite	Coborn/Metzroth/Helgeson Room and livestreamed	Mitchell/Schilplin Room
4:30–5:30 p.m.	Reception Terry Haws C			
5:15–6:00 p.m.	Law Enforcement Grantee Meeting Mitchell/Schilplin Room			
THURSDAY, OCTO	BER 13			
7.00.000	Buffet Breakfast Terry Haws A & B			
7:00—8:00 a.m.	Plenary Session: Take Action Now–What YOU Can Do to Create a Culture of Wellness in Your Agency (and in Yourself)! Terry Haws A & B and livestreamed			
8:00–9:00 a.m.	and livestreamed Session 25	Session 26	Session 27	Session 28
8:00–9:00 a.m.	and livestreamed  Session 25 Teens Teaming Up for Safer	MACPS Trivia Game	Personal Energy Management	Telling the Crash Story: Multiple
8:00–9:00 a.m.	and livestreamed  Session 25 Teens Teaming Up for Safer Minnesota Roads  Swisshelm/Whitney Room		Personal Energy Management & Mindset Resilience Coborn/Metzroth/Helgeson	
3:00-9:00 a.m. 9:15-10:30 a.m.	and livestreamed Session 25 Teens Teaming Up for Safer Minnesota Roads Swisshelm/Whitney Room and livestreamed	MACPS Trivia Game	Personal Energy Management & Mindset Resilience	Telling the Crash Story: Multiple Data Sets Complete the Picture
3:00–9:00 a.m. 0:15–10:30 a.m. 0:30–10:45 a.m.	and livestreamed  Session 25 Teens Teaming Up for Safer Minnesota Roads  Swisshelm/Whitney Room and livestreamed  Break Riverview Commons	MACPS Trivia Game Wilson Suite	Personal Energy Management & Mindset Resilience Coborn/Metzroth/Helgeson Room and livestreamed	Telling the Crash Story: Multiple Data Sets Complete the Picture <b>Mitchell/Schilplin Room</b>
7:00—8:00 a.m. 8:00—9:00 a.m. 9:15—10:30 a.m. 10:30—10:45 a.m. 10:45 a.m.—noon	and livestreamed  Session 25 Teens Teaming Up for Safer Minnesota Roads  Swisshelm/Whitney Room and livestreamed  Break Riverview Commons  Session 33 Human Trafficking and Exploitation:	MACPS Trivia Game	Personal Energy Management & Mindset Resilience Coborn/Metzroth/Helgeson Room and livestreamed Session 35 County Road Safety Assessments	Telling the Crash Story: Multiple Data Sets Complete the Picture Mitchell/Schilplin Room  Session 36 Tribal Road Safety for All Modes
8:00–9:00 a.m. 9:15–10:30 a.m. 10:30–10:45 a.m.	and livestreamed  Session 25 Teens Teaming Up for Safer Minnesota Roads  Swisshelm/Whitney Room and livestreamed  Break Riverview Commons  Session 33	MACPS Trivia Game Wilson Suite  Session 34 Implementing an In-Patient Car	Personal Energy Management & Mindset Resilience Coborn/Metzroth/Helgeson Room and livestreamed	Telling the Crash Story: Multiple Data Sets Complete the Picture Mitchell/Schilplin Room  Session 36
8:00–9:00 a.m. 9:15–10:30 a.m.	and livestreamed  Session 25 Teens Teaming Up for Safer Minnesota Roads  Swisshelm/Whitney Room and livestreamed  Break Riverview Commons  Session 33 Human Trafficking and Exploitation: Identify, Help, and Investigate  Swisshelm/Whitney Room	MACPS Trivia Game Wilson Suite  Session 34 Implementing an In-Patient Car Seat Consult Service: Providing Equitable Access	Personal Energy Management & Mindset Resilience  Coborn/Metzroth/Helgeson Room and livestreamed  Session 35 County Road Safety Assessments  Coborn/Metzroth/Helgeson	Telling the Crash Story: Multiple Data Sets Complete the Picture Mitchell/Schilplin Room  Session 36 Tribal Road Safety for All Modes





Session 5 Complete Streets: Serving All Users Safely

Fandel/Marsh Room and livestreamed

Session 6

Techniques to Address Equity in Traffic Safety

**Edelbrock/Clarke Room** 

Session 7

Trains, Motorcycles, and ATVs—What Are We Seeing on Our Roads?

Bell/Alexander Room

Session 8

Tots, Cots, Rotors, and Props

**Weidner Room** 

Session 13

Making Safe System a Reality: Planning to Implementation

Fandel/Marsh Room and livestreamed

Session 14

BCA Impaired Driving Services

Edelbrock/Clarke Room

Session 15

Medical Marijuana—and Don't Drive When Taking This.....Herbal??!!

**Bell/Alexander Room** 

Session 16

Death Notification and Beyond: Working with Victims and Families from Crash through Trial

**Weidner Room** 

Session 21

Worried about an Aging Driver? Ways to Increase Their Safety

Fandel/Marsh Room and livestreamed

Session 22

Crash Data and the Tools to Get Data

Edelbrock/Clarke Room

Session 23

NHTSA Curriculum Updates

Bell/Alexander Room

Session 24

Crash Victims: Risks of Undertriage

and Overtriage

Weidner Room

Session 29

Tackling Impaired Driving through the Ignition Interlock Program

Fandel/Marsh Room and livestreamed

Session 30

State Patrol Flight Section

Edelbrock/Clarke Room

Session 31

Minnesota's Drug Crisis: Where Are We Now?

**Bell/Alexander Room** 

Session 32

Crash and Burn: Caring for Patients and Providers after Fiery Crashes

**Weidner Room** 

Session 37

Legal Update
Fandel/Marsh Room
and livestreamed

Session 38

Pedestrian Safety: One Step at a Time

Edelbrock/Clarke Room

Session 39

Modeling Large Truck Crash Trends

**Bell/Alexander Room** 

Session 40

Hospital or Jail: Medical Conditions That Mimic Impairment

**Weidner Room** 

## 2022 TOWARD ZERO DEATHS CONFERENCE

#### RIVER'S EDGE CONVENTION CENTER OCTOBER 12-13, 2022

#### **EXHIBITOR LIST**

AAA The Auto Club Group

Meredith Mitts MMitts@acg.aaa.com

Bolton & Menk, Inc.

Chris Chromy chris.chromy@bolton-menk.com

**Bray Leather Studios** 

Mike Bray saddle@uslink.net

CarFit

Annette Larson annette.l.larson@state.mn.us

Chicco

Courtney Barry Chiccocps.usa@artsana.com

Children's Minnesota

Lorelei Noire lorelei.noire@childrensmn.org

**Emergency Automotive Technologies Inc.** 

Mitch Paquin MitchP@eatimn.com

Getac

Jonah Meyer jonah.meyer@getac.com

Goodbaby International/Evenflo & Cybex

Eve Miller

evenflosales@worldsafe.net

**Hiway Credit Union** 

Mark Hodowanic mhodowanic@hiway.org

Intoximeters

Tim Brewer jfaust@intox.com

KidsEmbrace

Tony Jerisha tonyj@kidsembrace.com

Life Link III

Brooke Ahlers blahlers@lifelinkiii.com

**Mercury Distributing** 

Sean Kennedy skennedy@mercurydistributing.com

Minnesota Child Passenger Task Force

Sheila Denton

sheila.denton@scmnems.org

Minnesota Department of Public Safety Bureau of Criminal Apprehension

Michael Asleson

mike.asleson@state.mn.us

Minnesota Department of Public Safety Ignition Interlock

Heather Lopez

heather.lopez@state.mn.us

Minnesota Department of Public Safety Office of Traffic Safety

Kristen Oster

kristen.oster@state.mn.us

Minnesota Department of Transportation
Damage Restitution

Mary Parrott

mary.parrott@state.mn.us

Minnesota Department of Transportation
Office of Human Resources

Lena Garcia

lena.garcia@state.mn.us

Minnesota Department of Transportation Office of Traffic Engineering

Maxwell Moreland

maxwell.moreland@state.mn.us

Minnesota Emergency Nurses Association

Joan Somes

someswasblackhole@gmail.com

Minnesota Network of Employers for Traffic Safety (NETS)

Lisa Kons

lisa.kons@minnesotasafetycouncil.org

Minnesota State Patrol DRE

Sgt. Tyler Milless

tyler.milless@state.mn.us

Minnesota Toward Zero Deaths Regions

Kristine Hernandez

kristine.hernandez@state.mn.us

**Mothers Against Drunk Driving** 

Veronica Hawman

veronica.hawman@madd.org

**Motorola Solutions** 

Nate Kinsey

nate.kinsey@motorolasolutions.com

**MPH Industries** 

Jim Hendrickson

jhendrickson@mphindustries.com

North Memorial Health - AIRCARE

Matthew Jakubik

matthew.jakubik@northmemorial.com

Northland Chapter of ATSSA

Seven Blaufuss

steven.blaufuss@state.mn.us

Nuna

**Bob Wall** 

Bob.wall@nunababy.com

Regions Hospital Burn and Trauma Center

Heidi Altamirano

heidi.m.altamirano@healthpartners.com

Safe Traffic System Inc.

Vera Fullaway

vera@safetrafficsystem.com

**SRF** Consulting

Renae Kuehl

rkuehl@srfconsulting.com

Stalker Radar

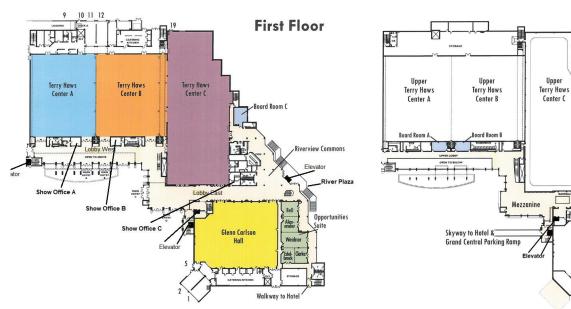
Paul Spano

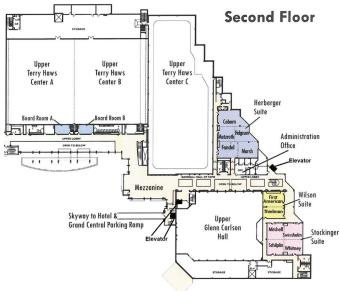
sales@stalkerradar.com

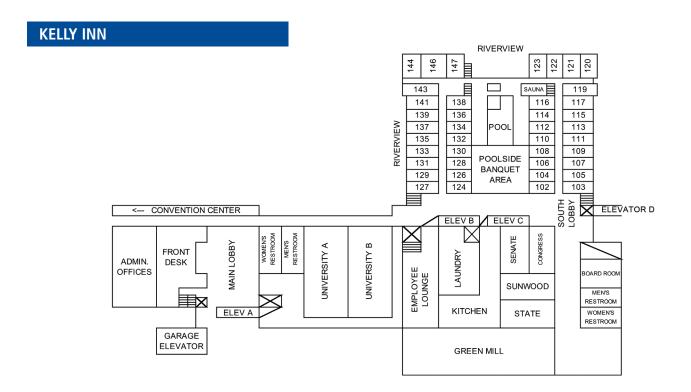
# **2022 TOWARD ZERO DEATHS CONFERENCE**

#### **FLOOR PLANS**

#### **RIVER'S EDGE**







#### **TUESDAY, OCTOBER 11**

#### PRECONFERENCE TRAINING

#### 8:00 a.m.-5:00 p.m. Child Passenger Safety on School Buses National Training (Wilson Suite)

Younger and younger students are being transported on school buses to and from school. These may be children with special needs or a teen mom traveling with her children to and from school programming. As a CSRS technician, you can play a role in educating school district transportation staff and school bus contractor staff on how they can safely and properly secure children in school buses—either in conventional car seats or in school-bus-specific seats. Taking this course will give you the opportunity to update your credentials, and as a technician, gain the skills to teach the NHTSA eight-hour course. Topics covered in this course include general guidelines for using a CSRS, installation of a conventional CSRS, school-bus-specific CSRS, safety vests and integrated seats, proper use of lap/shoulder belts, evacuations, and hands-on installation. *Total CPS CEUs: 5.5 (School Bus Training)*. NOTE: Hands-on practice CANNOT be used for seat check signoffs for recertification.

#### **1:00–5:00 p.m. CarFit Training and Event** (Mitchell/Schilplin Room)

This training will provide the knowledge and skills needed for CarFit technicians to help expand the program across Minnesota. CarFit is an educational program that offers older adults the opportunity to check how well their personal vehicles "fit" them. The CarFit program also provides information and materials on community-specific resources that could enhance older adults' safety as drivers and increase their mobility in the community. The first half of the class will be focused on learning about the CarFit program and gaining the knowledge to help implement a CarFit event. The second part of the class will be held outdoors using all the knowledge and skills learned in the first half to conduct a hands-on CarFit event.

#### 1:00-5:00 p.m. Standard Field Sobriety Testing (SFST)/DWI Update Training

(Swisshelm/Whitney Room)

Explore the most recent and relevant court cases affecting law enforcement procedures, learn about the ever-changing DWI law, get tips on solidifying your DWI case, and review SFST skills and techniques—perfect for those who have already attended the 16-hour SFST course. Free to attend. Attendees are responsible for their own lunch. *Approved for 4 POST credits*.

#### **5:30–6:30 p.m. Minnesota Coalitions Working Together** (Swisshelm/Whitney Room)

Unfunded and funded coalitions will join together during this collaborative meeting to network, learn from each other, and share ideas and initiatives that have worked and not worked. During this informational time together you'll meet the new statewide coordinator and members of Minnesota coalitions. Attendees will also discuss requirements in the 2023 TZD Safe Roads Program.

#### WEDNESDAY, OCTOBER 12

7:00–8:30 a.m. Registration (River's Edge Lobby), Continental Breakfast, and Exhibits (Terry Haws C)

**8:30–9:45 a.m. Welcome and Opening Remarks** (Terry Haws A & B and livestreamed)

Speakers: Mike Hanson, Minnesota TZD Program Co-chair, and Director, Office of

Traffic Safety, Minnesota Department of Public Safety

Colonel Matt Langer, TZD Leadership and Chief, Minnesota State Patrol,

Minnesota Department of Public Safety

Opening Plenary—Aftermath of a DWI Crash: An Officer's Comeback Story

Speaker: Officer Samantha Strandberg, Lakeville Police Department

When Officer Samantha Strandberg signed on for her shift on July 31, 2021, her plan was to aggressively seek out impaired drivers as she had done on so many shifts in the city of Lakeville. Unfortunately, it was the impaired driver who found her first by crashing into her patrol car and sending her to the hospital as a result of this serious-injury crash. This plenary session will explore Officer Strandberg's story of recovery and her long journey back to full duty as a police officer. It will also serve as motivation to further develop your passion for traffic safety with the goal of preventing these types of life-altering events.

#### 10:00–11:15 a.m. Concurrent Sessions

 Investigating Alcohol Overservice and Discovering Real Solutions for Your Community (Swisshelm/Whitney Room and livestreamed)

Moderator: Officer Susan Schultz, Orono Police Department

Speakers: Sgt. Adam Moore, South Lake Minnetonka Police Department

Sheila Nesbitt, North Memorial Health

This session is designed to help your community find real solutions for alcohol overservice and alcohol-related issues. You'll learn techniques for investigating alcohol overservice crimes, how to track the origins of these incidents, and how to work with your communities and establishments to reduce the number of incidents.

Meet the Manufacturers (Wilson Suite)

Moderator: Aimee Eggen, Norman-Mahnomen Public Health

Speakers: Eve Miller, Goodbaby International (Evenflo & CYBEX)

Tony Jerisha, KidsEmbrace

**Vera Fullaway,** Safe Traffic System **Bob Wall,** Nuna Baby Essentials

Courtney Barry, Chicco

Get the latest updates and a glance at new products, functions, and features from manufacturers. *Approved for 1.5 CPS CEU credits*.

3. Building Knowledge of CAV and Driverless Technology to Increase Safety on Our

Roadways (Coborn/Metzroth/Helgeson Room and livestreamed)

Moderator: Melissa Hjelle, Southwest TZD Regional Coordinator

Speakers: Thomas Johnson-Kaiser, Office of Connected and Automated Vehicles,

Minnesota Department of Transportation

Katie Caskey, HDR

Gina Baas, Center for Transportation Studies, University of Minnesota

Learn about work being done by Minnesota's Connected and Automated Vehicles (CAV) Innovation Alliance Education and Outreach Committee. Presenters will share why safety is a core message for CAV and why it's important to align CAV information throughout the state. You'll hear what Minnesotans said about safety and CAV in a statewide survey and learn key messaging partners can use. Additionally, presenters will share plans for 2022 and 2023 CAV demonstration work and will discuss the importance of educating people about technology to make roads safer for all users.

4. Roadway Safety Features: Are They Working? (Mitchell/Schilplin Room)

Moderator: Matt Knight, SRF Consulting Group

Speakers: Maxwell Moreland, Office of Traffic Engineering, Minnesota Department

of Transportation

Mark Wagner, Office of Traffic Engineering, Minnesota Department

of Transportation

Vic Lund, St. Louis County Public Works

This rapid-fire session will provide quick overviews of recent safety evaluations for flashing yellow arrows, reduced-conflict intersections, high-tension cable barriers, rectangular rapid-flashing beacons, pedestrians at roundabouts, school-zone speed limits, and high-friction surface treatments. Presenters will share the findings of these evaluations and the impacts these features are having on crashes on the state's roadways.

#### 5. Complete Streets: Serving All Users Safely (Fandel/Marsh Room and livestreamed)

Moderator: Nicole Bitzan, SRF Consulting Group

Speakers: Nissa Tupper, Office of Sustainability and Public Health, Minnesota

Department of Transportation

Sonja Piper, Office of Traffic Engineering, Minnesota Department

of Transportation

Chris Bower, Metro District, Minnesota Department of Transportation

Learn how to apply a Complete Streets approach to design roadways that serve all users safely. This session will provide foundational information about what it means to apply a Complete Streets approach and how Complete Streets connects to the safe system approach. Attendees will also learn about MnDOT's updated Complete Streets Policy and what they can expect, along with best practices and lessons learned from project case studies in Minnesota.

#### 6. **Techniques to Address Equity in Traffic Safety** (Edelbrock/Clarke Room)

Moderator: Kristine Hernandez, Statewide Minnesota TZD Program Manager

Speakers: Joan M. Vanhala, Hennepin County Community and Engagement Services

Chelsea Moore-Ritchie, SEH Engineering

Kristin Petersen, SEH Engineering

Learn about incorporating equity into your transportation safety projects! First, hear from Hennepin County about the value of contracting directly with community-based experts on project design. Since 2020, the Metro Blue Line Extension Light Rail Transit (BLRT) project has contracted with 15 community and cultural groups from environmental justice communities. Presenters will share contracting methods and outcome highlights. Then, learn data analysis tips and tricks to inform and promote equitable transportation outcomes—from equity analysis to inform more inclusive engagement to new ways to think about, communicate, and prioritize equitable solutions more likely to rely on walking, biking, and public transportation.

## 7. Trains, Motorcycles, and ATVs: What Are We Seeing on Our Roads?

(Bell/Alexander Room)

Moderator: Tara Helm, West Metro TZD Regional Coordinator

Speakers: Sheryl Cummings, Minnesota Operation Lifesaver

Jay Bock, Office of Traffic Safety, Minnesota Department of Public Safety

Lt. Brent Speldrich, Minnesota Department of Natural Resources

Chief Darren Juntunen, Moose Lake Police Department

Becky Putzke, Northwest Law Enforcement Liaison, Office of Traffic Safety,

Minnesota Department of Public Safety

The uptick in deaths on our roads has come not only from cars: other forms of transportation are also seeing a rise in crashes. In this session, you'll hear about concerns with motorcycles, ATVs, and trains and what communities are doing to help prevent crashes. Minnesota trends and information about trains, motorcycles, and ATVs will also be shared.

**8.** Tots, Cots, Rotors, and Props (Weidner Room)

Moderator: Katy Kressin, West Central TZD Regional Coordinator

Speaker: Josh Duda, North Memorial AirCare

Transporting children in "other" vehicles can pose many challenges to caregivers. Explore best practices for transporting children in emergency settings. While the main focus of this session will be on transporting children safely in ambulances, it will also cover transport in other vehicles.

other venicles.

**11:30–noon Luncheon** (Terry Haws A & B)

Noon—1:00 p.m. Agency Commissioners' Comments and Awards Ceremony (Terry Haws A & B

and livestreamed)

1:00–1:30 p.m. Break and Exhibits (Terry Haws C)

1:30–2:45 p.m. Concurrent Sessions

**9. Traffic Safety and Equity** (Swisshelm/Whitney Room and livestreamed)

Moderator: Gina Kundan, Office of Equity and Diversity, Minnesota Department

of Transportation

Speakers: Dr. Catherine Diamond, Injury and Violence Prevention Section, Minnesota

Department of Health

Dr. Nichole Morris, HumanFIRST Lab, University of Minnesota

Mark Griffith, South Central Minnesota EMS System

This session will highlight trends in Minnesota's crash and health data with respect to equity, discuss equity-related themes showing up in traffic safety research conducted at the University of Minnesota, and share details of a recently developed multicultural driver education program.

10. Autonomous Vehicle Technology (Wilson Suite)

Moderator: Allison Nicolson, Trauma, St. Mary's Medical Center, Essentia Health

Speaker: Vera Fullaway, Safe Traffic Systems

CPS technicians are critical in successfully transitioning into the world of driverless vehicles. This session will help you understand motor vehicle automation as well as the critical role that CPS technicians will play at each phase of this transition. Discussions will include the history of automation in motor vehicles, NHTSA's reasoning for the initiatives, and the timeline for implementation. Current and future technologies, their functions, and their capabilities will be highlighted, including what additional technologies are expected in the future. *Approved for 1.5 CPS CEU credits*.

#### 11. Why Reinvent the Wheel When You Can Partner with a Traffic Safety Advocate?!

(Coborn/Metzroth/Helgeson Room and livestreamed)

Moderator: Kat Vue, Office of Traffic Safety, Minnesota Department of Public Safety

Speakers: Tara Helm, West Metro TZD Regional Coordinator

Beth Brisky, Washington County Public Health and Environment

Improve safety in your community with a Positive Culture Framework (PCF), an approach that promotes changing the culture of roadway safety. Learn how to shift perceptions, attitudes, and behaviors by raising concerns while providing hope that change is possible. Prevention coordinators and coalition leaders will share how they have created powerful communication campaigns focused on positive messaging, including the Peds and Pups Campaign and Valentine's Day Campaign. If you have copies of materials that you have created, bring them to share with other traffic safety advocates! Join us to learn, share, and collaborate!

# 12. Good Cars Gone Bad: With New Vehicle Technology and Safety Comes New Risks to Responders (Mitchell/Schilplin Room)

Moderator: Katy Kressin, West Central TZD Regional Coordinator

Speaker: Tom Nixon, Asst. Fire Chief and Responder Educator, and Minnesota

**Department of Transportation** 

The number of crashes that involve new vehicle technology continues to grow as the fleet converts to newer vehicles. What is missing is the knowledge of how to conduct rescue operations on and around these new technologies. General risks to approach, the amount of water needed, the strength of equipment needed, and other rescue priorities must be updated. Through examples and discussion, attendees will leave this session with a greater awareness and a few new tools in the toolbox when approaching the latest vehicle technology after a crash happens.

# **Making Safe System a Reality: Planning to Implementation** (Fandel/Marsh Room and livestreamed)

Moderator: Kristine Hernandez, Statewide Minnesota TZD Program Manager

Speakers: Ken Johnson, Office of Traffic Engineering, Minnesota Department

of Transportation

Vic Lund, St. Louis County Public Works

**Brad Estochen, Ramsey County** 

The Safe System approach is founded on the principles that people make mistakes and that human bodies have a limited ability to tolerate crash impacts. Another key principle in the Safe System approach is shared responsibility, which means that all the "E's" can (and should) be involved. This presentation will offer a summary of the Safe System approach, examine practical methods of what can be done in each of the 4E domains, and discuss local perspectives and ideas—the application of which will help reach the goal of zero deaths in Minnesota.

#### **14. BCA Impaired Driving Services** (Edelbrock/Clarke Room)

Moderator: Bill Hammes, Metro Law Enforcement Liaison, Office of Traffic Safety,

Minnesota Department of Public Safety

Speakers: Troy Woltman, Bureau of Criminal Apprehension, Minnesota Department

of Public Safety

Mike Asleson, Bureau of Criminal Apprehension, Minnesota Department of

**Public Safety** 

Brent Nelson, Bureau of Criminal Apprehension's Forensic Science Services,

Minnesota Department of Public Safety

Vanessa Perez, Bureau of Criminal Apprehension's Forensic Science Services,

Minnesota Department of Public Safety

In this session, BCA personnel will provide updates about eCharging and DWI testing. Representatives from the BCA Lab will discuss trends in drug testing, marijuana impairment, and breath alcohol testing and provide an overview of the involved processes of toxicology testing. The differences in eCharging procedures and lab testing when processing a criminal vehicular operation/homicide investigation will also be discussed. In addition, attendees will have the opportunity to ask BCA chemists about the toxicology testing processes.

#### 15. Medical Marijuana—and Don't Drive When Taking This...Herbal??!!

(Bell/Alexander Room)

Moderator: Sgt. Tyler Milless, Minnesota State Patrol, Minnesota Department of

**Public Safety** 

Speakers: Sqt. Tyler Milless, Minnesota State Patrol, Minnesota Department of

**Public Safety** 

Dr. Joan Somes, Emergency Nurses Association

Medical marijuana and many over-the-counter herbal supplements can cause effects similar to prescription medications that carry the warning "Do not drive when taking this drug." Many people think these "drugs" are harmless. This session will identify several of the herbal supplements that can affect mental status and thus, driving.

# 16. Death Notification and Beyond: Working with Victims and Families from Crash through Trial (Weidner Room)

Moderator: Bill Lemons, Traffic Safety Resource Prosecutor, Minnesota County Attorneys

Association, and Office of Traffic Safety, Minnesota Department of Public Safety

Speakers: Joanne Thomka, National District Attorneys Association

Don Marose, Mothers Against Drunk Driving

DWI, CVO, and CVH are violent crimes. This means working with victims and families who are injured or who have lost loved ones. This session will be a real-world discussion about how to work with victims beyond the death notification to partner with them throughout the case and trial and prepare them for the courtroom. What words can you say? What words should you never say? What is required by the victim rights statutes, Minn. Stat. 611A? Join us to discuss these and other questions.

#### **2:45–3:15 p.m. Break and Exhibits** (Terry Haws C)

#### 3:15–4:30 p.m. Concurrent Sessions

**17. Work Zone Promising Practices** (Swisshelm/Whitney Room and livestreamed)

Moderator: Lisa Kons, Minnesota Safety Council

Speakers: Michelle Moser, Office of Traffic Engineering, Minnesota Department

of Transportation

Jed Falgren, Office of Maintenance, Minnesota Department

of Transportation

Steve Blaufuss, Office of Maintenance, Minnesota Department

of Transportation

Crashes in work zones are a significant cause of traumatic death and serious injury, both to the traveling public and to the workers within the work zone. This presentation will give an overview of some promising best practices on the cusp of deployment.

**18**. **Who Wants to Be a Safety Millionaire?** (Wilson Suite)

Moderator: KaRee Liimatainen, Human Service Division, Fond du Lac Reservation

Speakers: Bob Wall, Nuna Baby Essentials

**Tony Jerisha,** KidsEmbrace **Paul Albright,** KidsEmbrace

In this CEU opportunity, participants will compete against each other to win the most "safety money." Teams will respond to CPS-related technical questions about car seat use as well as details of the car seats and designs. Responses will be recorded and scored by judges. During the competition, the correct response will be revealed after each question and back-up education will follow to reinforce the accurate information. May the best team win! Approved for 1.5 CPS CEU credits.

**19. The Impact of Speed and How Minnesota is Addressing the Problem** (Coborn/Metzroth/ Helgeson Room and livestreamed)

Moderator: Shannon Grabow, Office of Traffic Safety, Minnesota Department of

**Public Safety** 

Speakers: Mike Hanson, Minnesota TZD Program Co-chair, Office of Traffic Safety,

Minnesota Department of Public Safety

Ken Johnson, Office of Traffic Engineering, Minnesota Department

of Transportation

Major Joe Dwyer, Minnesota State Patrol, Minnesota Department of

**Public Safety** 

As traffic fatalities climbed in 2020 and 2021, speed became a leading contributing factor. Speakers will highlight the successful speed enforcement projects employed during this time, address the challenges of speed enforcement, and present speed fatality data and possible engineering solutions.

20. How Using IPAWS (Integrated Public Alert and Warning Systems) Can Increase Traffic Safety and Improve Awareness and Communications During Unexpected Road Closures (Mitchell/Schilplin Room)

Moderator: Sqt. Jesse Grabow, Minnesota State Patrol, Minnesota Department of

**Public Safety** 

Speaker: John Dooley, Emergency Communication Networks, Minnesota Department

of Public Safety

How do we get the message out to a driver traveling from Montana to Wisconsin who is using Apple maps, listening to Sirius Radio, and unfamiliar with the region that a winter storm is impacting visibility and road conditions? Learn how IPAWS can connect with more people and get important emergency messages out regarding road closures, no-travel advisories, and other civil emergencies.

21. Worried about an Aging Driver? Considerations, Options, and Actions to Increase Their Safety (Fandel/Marsh Room and livestreamed)

Moderator: Annette Larson, South Central TZD Regional Coordinator

Speakers: Dr. Joan Somes, Emergency Nurses Association

Ann Forrest-Clark, St. Luke's Hospital Duluth

An increasing amount of information about screening drivers for physical and cognitive changes that affect driving has come out in recent years. This session will offer a brief look at the screening tools, what these tools screens for, how occupational therapists and driving rehab specialists can further evaluate drivers, and what options they recommend.

**22. Crash Data and the Tools to Get Data** (Edelbrock/Clarke Room)

Moderator: Derek Leuer, Office of Traffic Engineering, Minnesota Department

of Transportation

Speakers: Allison Hawley, Office of Traffic Safety, Minnesota Department of

**Public Safety** 

Maxwell Moreland, Office of Traffic Engineering, Minnesota Department

of Transportation

Dr. Nichole Morris, HumanFIRST Lab, University of Minnesota

CrashMART, MnCMAT, MNCRASH—Ever wonder what these different crash tools do? Crash data experts will demonstrate and explain how to use these tools in addition to a new crash severity assessment tool for law enforcement to use when filling out a crash report. Presenters will also discuss new software MnDOT is exploring that uses speeding analytics to help agencies identify and rank regional speeding hotspots.

23. NHTSA Curriculum Updates (Bell/Alexander Room)

Moderator/ Sgt. Tyler Milless, Minnesota State Patrol, Minnesota

Speaker: Department of Public Safety

Learn about the most recent updates for the SFST, ARIDE, and DRE released by the National Highway Traffic Safety Administration (NHTSA). Several big changes have been made and this session will teach attendees the newest curriculum for the programs.

# 24. Crash Victims: Undertriage is Associated with Increased Mortality and Overtriage Results in Significant Resource Overuse (Weidner Room)

Moderator: Kristi Engelstad, Sanford Health

Speaker: Kayla Shaw, Sanford Health

This session will help attendees find the middle ground for appropriate triage for traumarelated patients and increase survivability. The American College of Surgeons has updated guidelines to help providers make more accurate judgments about the care needed for an injured patient. After reviewing Minnesota crash cases, attendees will be better equipped to make informed decisions to save lives.

**4:30–5:30 p.m. Reception** (Terry Haws C)

**5:15–6:00 p.m.** Law Enforcement Grantee Meeting (Mitchell/Schilplin Room)

OTS grant coordinators will discuss changes to the grant requirements and federal funding. It's been a challenging few years since the last in-person TZD conference. This is a time for grantees, OTS grant coordinators, and LELs to discuss best practices during the challenging environment, as well as for grantees to provide feedback to OTS about the program. OTS grant coordinators will also discuss common obstacles grantees encounter. All fiscal and partner agencies should attend.

# **THURSDAY, OCTOBER 13**

**7:00–8:00 a.m. Buffet Breakfast** (Terry Haws A & B)

**8:00–9:00 a.m. Opening Remarks** (Terry Haws A & B and livestreamed)

Speaker: Brian Sorenson, Minnesota TZD Program Co-chair, and State Traffic Engineer,

Office of Traffic Engineering, Minnesota Department of Transportation

Plenary Session—Take Action Now: What YOU Can Do to Create a Culture of Wellness in Your Agency (and in Yourself)!

Speakers: Amber Peterson, Managing Partner, Peterson & Perme Associates

Mike Goldstein, Retired Public Safety Director and Plymouth (MN) Police

Chief, Minnesota Department of Public Safety

Mary Schauf, Retired Captain of the Training Team, Madison (WI)

Police Department

Join us to learn how you, as traffic safety stakeholders, can take your personal and organizational wellness to the next level to perform (and feel) your best! Community expectations for healthy public servants are rising; given the current demands, it is vital that organizations first create a constructive culture INSIDE their departments to build the trust they want to see outside with the community. And here's the key: this shift can start with anyone inside the department.

#### 9:15–10:30 a.m. Concurrent Sessions

#### 25. Teens Teaming Up for Safer Minnesota Roads

(Swisshelm/Whitney Room and livestreamed)

Moderator: Sue Johnson, Northwest TZD Regional Coordinator

Speakers: Kendal Rantanen, Thief River Falls Key Club: Teens Toward Zero Deaths

Olivia Hempel, Thief River Falls Key Club: Teens Toward Zero Deaths Sgt. Geoffrey Dowty, Sherburne County Safe Roads Coalition/Sherburne

County Sheriff's Office

Aarushi Vyas, Shreya R. Dixit Foundation Distraction-Free Life Club, Eden

Prairie High School

Darren Tanubrata, Shreya R. Dixit Foundation Distraction-Free Life Club, Eden

Prairie High School

When Mom or Dad talk, kids often hear, "Blah, blah, blah..." no matter the message. We've learned that statistics or blood and gore don't change teens' driving behavior, either. But when their friends talk, they listen. Join this session to hear from several Minnesota teens taking a positive social norming approach to influence their peers and make a difference. You'll also hear from the Shreya R. Dixit Foundation's student interns, who researched younger driver awareness programs throughout the U.S. and the world that resulted in recommendations for Minnesota.

#### **26**. **MACPS Trivia Game** (Wilson Suite)

Moderator: Jill Hylla, Minnesota CPS Task Force

Speaker: Courtney Barry, Chicco

Don't miss this popular session for technicians—MACPS Trivia! Technicians, participating as individuals or teams, will learn by answering a series of questions about car seats, vehicles, regulations, technician etiquette, and more. The trivia game will be facilitated through the interactive KaHoot app. *Approved for 1.5 CPS CEU credits.* 

# 27. Personal Energy Management and Mindset Resilience: Driving Factors of Satisfaction and Effectiveness in Public Safety (Coborn/Metzroth/Helgeson Room and livestreamed)

Moderator: Chief Dave Bentrud, Waite Park Police Department

Speakers: Amber Peterson, Peterson & Perme Associates

Mike Goldstein, Retired Public Safety Director and Plymouth (MN) Police

Chief, Minnesota Department of Public Safety

Mary Schauf, Retired Captain of the Training Team, Madison (WI)

Police Department

As an extension to the opening plenary, participants will learn more about how to enhance personal energy management and fortify a resilient mindset, regardless of the cultural expectations they may be experiencing.

#### 28. Telling the Crash Story: Multiple Data Sets Complete the Picture

(Mitchell/Schilplin Room)

Moderator: Mark Kinde, Minnesota TZD Program Co-chair, and Injury and Violence Prevention Section, Minnesota Department of Health

Speakers: Allison Hawley, Office of Traffic Safety, Minnesota Department of

**Public Safety** 

**Deb Syverson,** Sanford Health

Anna Gaichas, Injury and Violence Prevention Section, Minnesota

Department of Health

Nathan Drews, Office of Safety and Operations Management, Minnesota

Department of Transportation

This session will review the different data sources available regarding the impact of motor vehicle crashes on Minnesotans. The review will be followed by a discussion of the results of combining these sources and the potential policy and programmatic implications.

# **29**. **Tackling Impaired Driving through the Ignition Interlock Program** (Fandel/Marsh Room and livestreamed)

Moderator: Nick White, Office of Traffic Safety, Minnesota Department of Public Safety

Speakers: Heather Lopez, Office of Driver and Vehicle Services, Minnesota Department

of Public Safety

Judge Kerry Meyer, Minnesota State Judicial Outreach Liaison, Office of

Traffic Safety, Minnesota Department of Public Safety

Impaired driving continues to be a contributing factor in far too many fatal and serious-injury crashes. This session will provide an overview of the ignition interlock program, touch upon how the 2021 legislative changes impacted the program, and provide perspectives from the judicial system around impaired driving.

#### **30. State Patrol Flight Section** (Edelbrock/Clarke Room)

Moderator: Scott McConkey, South Law Enforcement Liaison, Office of Traffic Safety,

Minnesota Department of Public Safety

Speaker: Lt. Craig Benz, Minnesota State Patrol Flight Section, Minnesota Department

of Public Safety

This session will give an overview of the Minnesota State Patrol flight section and its current support of public safety in Minnesota, with a focus on pursuit mitigation and assistance to the ground unit.

#### 31. Minnesota's Drug Crisis: Where Are We Now? (Bell/Alexander Room)

Moderator/ Sgt. Tyler Milless, Minnesota State Patrol, Minnesota Department of

Speaker: Public Safety

This session will take a deep look into Minnesota's ever-growing rate of drug use among its residents. Attendees will learn about commonly mixed drugs, how they affect the body, how they create a danger behind the wheel, and how an officer can detect an impaired driver. Presenters will also offer a look at the change in statistics related to drug use in the state.

32. Crash and Burn: Caring for Patients and Providers after Fiery Crashes (Weidner Room)

Moderator: Julie Philbrook, Hennepin Healthcare

Speakers: **Dr. Nick Simpson,** Hennepin Healthcare

Jake LaFerriere, Firefighters for Healing

When a vehicle catches fire after a crash, the situation can quickly turn life-threatening for the vehicle occupants and their rescuers. Many burn victims sustain skin damage that requires extensive surgeries, lengthy hospital stays, and painful rehabilitation. Severe burn injuries may change the quality of life, mobility, or the way a victim is able to complete daily tasks. For some, the injuries result in death.

**10:30–10:45 a.m. Break** (Riverview Commons)

10:45 a.m.—noon Concurrent Sessions

33. Human Trafficking and Exploitation: Identify, Help, and Investigate Potential Cases

During Traffic Incidents (Swisshelm/Whitney Room and livestreamed)

Moderator: Tara Helm, West Metro TZD Regional Coordinator

Speakers: Investigator Molly Berhow, TRUST Task Force Commander, Fond Du Lac

Tribal Police Department

Investigator Brian Pottratz, TRUST Task Force Co-Commander, Leech Lake

Tribal Police Department

Trafficking and exploitation in and around Minnesota's Native American communities is a complex and pervasive problem. This session will give a foundational overview of the dynamics and scope of trafficking and exploitation. It will teach law enforcement how to recognize potential cases and how to conduct a preliminary investigation—documenting relevant information, handling disclosures, starting the initial investigation, and working across jurisdictional communities. EMS providers will learn how to help identify potential situations and will benefit from knowing the process for law enforcement.

34. Implementing an In-Patient Car Seat Consult Service: Providing Equitable Access to Critical Safety Education and Resources (Wilson Suite)

Moderator: Nichole Korth, Car Seat Education Consultant, Regions Hospital

Speaker: Shonette Micco, Hospital Support Child Passenger Safety Liaison, Office of

Traffic Safety, Minnesota Department of Public Safety, and Safekids Greater

East Metro, Regions Hospital

This presentation will outline the process involved in developing and implementing an in-patient car seat consult service to serve the Regions Hospital Family Birth Center while providing cross coverage to the ER, Trauma, and Burn units. Patient and staff feedback was collected along with comparative demographic data between caregivers receiving education while in the Family Birth Center and caregivers receiving education from attending a community-based car seat clinic; these data will be shared as well. Approved for community service credits.

#### **35. County Road Safety Assessments** (Coborn/Metzroth/Helgeson Room and livestreamed)

Moderator: Joe Gustafson, Washington County

Speakers: Kristi Sebastian, Transportation Office, Dakota County

Tom Musick, Hennepin County

This session will cover approaches to evaluating and addressing safety issues on county roads in a consistent manner system wide. Two counties—Dakota and Hennepin—will be highlighted, focusing on both rural and urban practices.

#### **36**. **Tribal Road Safety for All Modes** (Mitchell/Schilplin Room)

Moderator: Jeff Lenz, District 3A, Minnesota Department of Transportation, and Co-chair,

Brainerd Lakes TZD Coalition

Speakers: Michael Petesch, Office of Transit and Active Transportation, Minnesota

**Department of Transportation** 

**Rosemarie Anderson**, Office of Safety, Federal Highway Administration **April McCormick**, Grand Portage Band of Lake Superior Chippewa

Native American populations in our country experience higher rates of fatalities associated with transportation than the general population as a whole. MnDOT's Statewide Pedestrian System Plan identified Native Americans as one of six priority populations in the state who face disproportionate risks as pedestrians. This session will highlight two initiatives to assist with improving tribal road safety. The first is a recent pedestrian improvements study on the Anishinaabe Reservation. The second is the FHWA's Local and Tribal Road Safety Mentoring, Assistance, Training, and Communication Help (MATCH) mentor program, which provides free, broad-based technical assistance to local and tribal agencies for them to learn from and build on previous experience from mentors who have faced similar safety issues on similar roadway types—and successfully mitigated those issues.

#### **37. Legal Update** (Fandel/Marsh Room and livestreamed)

Moderator: Bill Lemons, Traffic Safety Resource Prosecutor, Minnesota County Attorneys

Assoc., and Office of Traffic Safety, Minnesota Department of Public Safety

Speakers: David Bernstein, Minneapolis City Attorney's Office

Amy Tripp Steiner, Minneapolis City Attorney's Office

This session will cover legislative changes affecting DWI and traffic safety laws and review important court decisions from the last year. Attendees will get a preview of the next legislative session, potential legislative initiatives, and past legislative efforts. The panel will discuss other court-related matters, changes to the medical marijuana law, and challenges with enforcing medical marijuana. The need for a legislative change prohibiting smoking medical marijuana while driving will also be covered. Finally, the panel will discuss oral fluid testing technology and efforts to create a pilot.

#### **38. Pedestrian Safety: One Step at a Time** (Edelbrock/Clarke Room)

Moderator: Renae Kuehl, SRF Consulting Group

Speaker: Sonja Piper, Office of Traffic Engineering, Minnesota Department

of Transportation

The increase in pedestrian fatalities is a national public health trend that MnDOT is aiming to reduce through a multi-step data-driven approach to address pedestrian safety: using data to identify latent demand, reviewing crash study results to understand trends, using nonmotorized-specific analysis tools, and integrating a Safe System approach in the process.

#### **39**. **Modeling Large Truck Crash Trends** (Bell/Alexander Room)

Moderator: Lt. Brian Reu, Minnesota State Patrol, Minnesota Department of

**Public Safety** 

Speaker: Abbigail Markus, American Transportation Research Institute

The American Transportation Research Institute (ATRI) reports on the latest trucking trends regarding safety, efficiency, and viability. In 2005, ATRI's Research Advisory Committee recognized the need for a crash predictor modeling tool. Since 2005, four reports have been released that are aimed at notifying carriers of driver behaviors and characteristics that predict crash trends. Like the earlier crash predictor reports, the 2022 report focuses on traffic violations, convictions, and prior crashes when predicting crashes; additionally, new research will build off 2018's gender and age investigations, enforcement analysis, compliance reviews, and state trends.

#### 40. Hospital or Jail: Medical Conditions That Mimic Impairment (Weidner Room)

Moderator: Katy Kressin, West Central TZD Regional Coordinator

Speaker: Michael Morelock, North Memorial Health

Many medical conditions may cause a person to appear to be impaired by alcohol and/or drugs. Understand how to recognize the medical conditions and do what is best for such a person when necessary.

#### Noon Adjourn

#### 1:00–3:00 p.m. CarFit Community Event (Conference Center Parking Lot)

Older drivers are often the safest drivers in that they are more likely to wear their seatbelts and less likely to speed or drink and drive. However, according to NHTSA, older drivers are more likely to be killed or seriously injured when a crash does occur because of the greater fragility of their aging bodies.

CarFit is an educational program that offers older adults the opportunity to check how well their personal vehicles "fit" them. CarFit technicians also provide additional information and materials on community-specific resources that could enhance older adults' safety as drivers and increase their mobility in their communities.

Want to know if your vehicle has the best "fit" for you? Then this event is for you! It's open to the community, but appointments are needed. If you would like to attend the CarFit event, please contact Cheryl Salo at 952-835-1882 or visit "View Events" at *car-fit.org*.

# NOTES





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