

# Final Program

## 2011 Minnesota Toward Zero Deaths Conference

*An Annual Statewide Conference for Traffic Safety Advocates*

**November 16-17, 2011**

**Duluth Entertainment Convention Center**

**Duluth, Minnesota**

### Mark Your Calendar

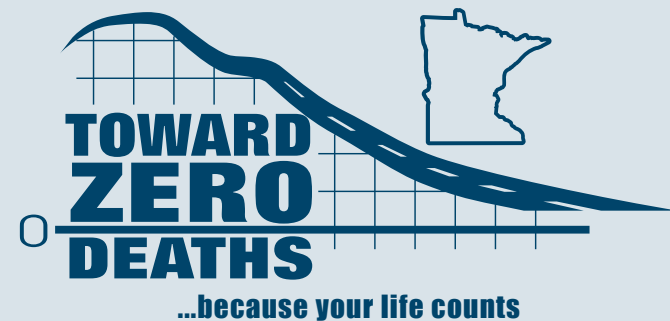
#### 2012 Minnesota Toward Zero Deaths Conference

**October 22-23, 2012**

**DoubleTree by Hilton**

**Bloomington–Minneapolis South**

**[www.minnesotatzd.org](http://www.minnesotatzd.org)**



*Offered by:* Minnesota Toward Zero Deaths Program  
Minnesota Departments of Public Safety, Transportation, and Health

*Hosted by:* Center for Transportation Studies, University of Minnesota

*Facilitated by:* College of Continuing Education, University of Minnesota

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CPE-0355-03/10.11

**[www.minnesotatzd.org](http://www.minnesotatzd.org)**

## Conference Planning Committee

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*Jake Akervik*, Minnesota Department of Transportation  
*Gina Baas*, University of Minnesota  
*Mike Coffey*, City of Cottage Grove  
*Heather Darby*, Office of Traffic Safety, Minnesota Department of Public Safety  
*Dan DeSmet*, North Memorial Ambulance  
*Kristi Engelstad*, F-M Ambulance Service  
*Wayne Fingalson*, Wright County  
*Catherine Flannery*, University of Minnesota  
*Nick Francis*, City of Apple Valley  
*Sharon Gehrman-Driscoll*, Minnesotans for Safe Driving  
*Trisha Gravning*, Kanabec County  
*John Hausladen*, Minnesota Trucking Association  
*Steve Hiebert*, City of Maplewood  
*Jill Hughes*, Office of Traffic Safety, Minnesota Department of Public Safety  
*Cassandra Isackson*, Office of Transportation Data and Analysis, Minnesota Department of Transportation  
*Nancy Johnson*, Minnesotans for Safe Driving  
*Jon Karger*, Otter Tail County  
*Kaydee Kirk*, University of Minnesota  
*Lisa Kons*, Minnesota Safety Council  
*Renae Kuehl*, SRF Consulting  
*Matt Langer*, Minnesota State Patrol, Minnesota Department of Public Safety  
*Bill Lemons*, Minnesota County Attorneys Association  
*Stephanie Malinoff*, University of Minnesota  
*Sue Moldenhauer*, University of Minnesota  
*Donna Naumann*, Minnesota Operation Lifesaver  
*Bob O'Brien*, Office of Traffic Safety, Minnesota Department of Public Safety  
*Bruce Parker*, Minnesota Healthy Families Collaborative  
*Debbie Prudhomme*, Training Wheels Driver Education  
*Amy Roggenbuck*, South Central/Southwestern Regions Toward Zero Deaths Coordinator  
*Frank Roth*, City of Brooklyn Center  
*Wayne Sandberg*, Washington County  
*Nate Selstad*, Emergency Nurses Association of Minnesota  
*Tom Sohrweide*, SEH, Inc.  
*Joanie Somes*, Emergency Nurses Association of Minnesota  
*Laura Turek*, Office of Traffic Safety, Minnesota Department of Public Safety  
*Glen VanWormer*

## Conference Information

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### EXHIBITS

Exhibits will be on display Wednesday, November 16 from 7:30 a.m.-5:30 p.m. in the Edmund Fitzgerald Exhibit Hall.

### 2011 TZD AWARDS

This year's conference will feature the presentation of the Kathy Swanson Outstanding Service Award, the Distinguished Public Leadership Award, and the annual Star Awards. The awards will be presented on Wednesday, November 16, following the luncheon.

### CONFERENCE CREDIT

This conference provides five types of professional development credit:

#### **POST Credit**

This conference has been approved for Minnesota Board of Peace Officer Standards and Training (POST) credit. Attendees will earn 6 hours of credit on November 16, and 4 hours of credit on November 17.

#### **CPS Continuing Education Units (CEUs)**

Participants who attend sessions 6, 13, 20, and 27 will receive CPS CEUs for each session.

#### **Professional Development Hours (PDHs)**

Attendees of this conference may receive up to 9.5 professional development hours.

#### **EMS Credit**

EMS CEUs will be available for emergency medical providers at this conference. Attendees will earn 6 hours of credit on November 16, and 3.5 hours of credit on November 17.

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

Participants who attend session 15 will receive 1.25 CLE credit hours.

### RECEPTION

Plan to attend the reception on Wednesday, November 16, from 4:30 p.m.-5:30 p.m. in the Edmund Fitzgerald Exhibit Hall to view the displays, talk to colleagues, and enjoy hors d'oeuvres and a cash bar.

### THANK YOU TO OUR CONFERENCE SPONSORS



# Program at a Glance 2011 Minnesota Toward Zero Deaths Conference

## WEDNESDAY, NOVEMBER 16, 2011

	Lake Superior Ballroom L	Lake Superior Ballroom M/N	Lake Superior Ballroom O	Gooseberry Falls Room	Split Rock Room	French River Room	Edmund Fitzgerald Exhibit Hall
<b>7:30-8:30 a.m.</b>	<b>Registration</b> (Registration Area) <b>Continental Breakfast and Exhibits</b> (Edmund Fitzgerald Exhibit Hall)						
<b>8:30-9:45</b>	<b>Welcome and Opening Remarks</b> (Lake Superior Ballroom) <b>Opening Plenary: Teen's Life Changed Forever in \$13 Million Crash</b>						
<b>10:00-11:15</b>	<b>Session 1</b> Engineering Solutions for Lane-Departure Crashes	<b>Session 2</b> TZD Safe Roads Grantee Meeting: Coalition Building and Program Sharing	<b>Session 3</b> The Anatomy of an Intersection: Experience and Innovation	<b>Session 4</b> DWI Enforcement, E-charging, and Ignition Interlock	<b>Session 5</b> START Triage: An Overview of a Multi-Casualty Incident	<b>Session 6</b> LATCH Jeopardy: Do You Know All That the LATCH Manual Has to Offer?	<b>Session 7</b> Visit Exhibit Hall
<b>11:30-12:00 p.m.</b>	<b>Luncheon</b> (Lake Superior Ballroom)						
<b>12:00-1:00</b>	<b>Agency Commissioners' Comments and Awards Ceremony</b> (Lake Superior Ballroom)						
<b>1:00-1:30</b>	<b>Visit Exhibit Hall</b>						
<b>1:30-2:45</b>	<b>Session 8</b> Good Trucker or Bad Trucker? Understanding the New CSA Program	<b>Session 9</b> How to Ramp up Traffic Safety Efforts in Your Community	<b>Session 10</b> The Lights Are On but Nobody's Home: Perspectives on 24-Hour Lighting Research	<b>Session 11</b> TZD Law Enforcement Grant Program	<b>Session 12</b> Ambulance Crashes and Occupant Injuries	<b>Session 13</b> 2011 CPS and Airbag Update	<b>Session 14</b> Visit Exhibit Hall
<b>2:45-3:15</b>	<b>Break and Exhibits</b> (Edmund Fitzgerald Exhibit Hall)						
<b>3:15-4:30</b>	<b>Session 15</b> Cops in Court: DWI Mock Trial	<b>Session 16</b> Marketing Safety Across the Generations	<b>Session 17</b> Traffic Records Data: From Crash Scene to User Analysis	<b>Session 18</b> Traffic Law Jeopardy	<b>Session 19</b> Designer Drugs: New Tricks for Old Things	<b>Session 20</b> Essentia Health CPS Case Studies	<b>Session 21</b> Visit Exhibit Hall
<b>4:30-5:30</b>	<b>Reception with Hearty Appetizers</b> (Edmund Fitzgerald Exhibit Hall)						

# Program at a Glance 2011 Minnesota Toward Zero Deaths Conference

## THURSDAY, NOVEMBER 17, 2011

	Lake Superior Ballroom L	Lake Superior Ballroom M/N	Lake Superior Ballroom O	Gooseberry Falls Room	Split Rock Room	French River Room
<b>7:00-8:00 a.m.</b>	<b>Buffet Breakfast</b> (Lake Superior Ballroom)					
<b>8:00-9:00</b>	<b>Plenary Session: Want Zero Deaths? Engage the System that Saves Lives: EMS</b> (Lake Superior Ballroom)					
<b>9:15-10:30</b>	<b>Session 22</b> Commercial Vehicle Enforcement 101	<b>Session 23</b> Sharing the Road Part I – Myths and Myth Busters	<b>Session 24</b> Rural ITS: Lessons Learned	<b>Session 25</b> Data Driven Approaches to Crime and Traffic Safety (DDACTS)	<b>Session 26</b> Motor Vehicle Crash Case Studies: Comparative Patient Outcomes Based on Seatbelt Utilization	<b>Session 27</b> CPS- Technical Changes, Updates, and Future Technology: What Every CPS Advocate Needs to Know
<b>10:45-12:00 p.m.</b>	<b>Session 28</b> Engaging Parents of Teen Drivers: Content and Methods for Implementing a Parental Education Class	<b>Session 29</b> Sharing the Road Part II – Tools for Success	<b>Session 30</b> The Sound of Saving Lives	<b>Session 31</b> What's New with Traffic Crash Reconstruction?	<b>Session 32</b> To Cool or Not to Cool: A Case Study of Hypothermia in Pediatric Neurotrauma	<b>Session 33</b> Minnesota State Booster Seat Survey Results
<b>12:00</b>	<b>Adjourn</b>					

# Program

WEDNESDAY, NOVEMBER 16, 2011

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**7:30-8:30 a.m.**

**Registration** (Registration Area)

**Continental Breakfast and Exhibits**

(Edmund Fitzgerald Exhibit Hall)

**8:30-9:45**

**Welcome and Opening Remarks**

(Lake Superior Ballroom)

*Donna Berger*, TZD Program Co-Chair and Acting Director, Office of Traffic Safety, Minnesota Department of Public Safety; *Sue Groth*, TZD Program Co-Chair and Director, Office of Traffic, Safety, and Technology, Minnesota Department of Transportation; *Mark Kinde*, Injury and Violence Program Director, Minnesota Department of Health; *Lt. Col. Matt Langer*, Minnesota State Patrol, Minnesota Department of Public Safety

**Opening Plenary: Teen's Life Changed Forever in \$13 Million Crash**

(Lake Superior Ballroom)

*Chris Messerly*, Robins, Kaplan, Miller & Ciresi L.L.P.; *Philip Sieff*, Robins, Kaplan, Miller & Ciresi L.L.P.

In April 2003, 19-year-old Amber P. was stopped at an intersection in Ramsey, Minnesota, when a delivery driver traveling about 60 mph crashed into her vehicle. Amber sustained a brain injury so severe she will be unable to live independently for the rest of her life. In this session, participants will hear from the lawyers who represented Amber in the civil case and will learn how one "routine" crash can end up costing \$13 million as a result of injuries, damages, and lifelong care. Amber's mother, who provides most of her care and supervision, will also speak about the physical and emotional impacts of this life-changing event.

**10:00-11:15**

**CONCURRENT SESSIONS**

**1. Engineering Solutions for Lane-Departure Crashes**

(Lake Superior Ballroom L)

Moderator: *Wayne Fingalson*, Wright County

*Cassandra Isackson*, Office of Transportation Data and Analysis, Minnesota Department of Transportation; *Dan Helms*, Mississippi Department of Transportation

In 2010, the NCHRP (National Cooperative Highway Research Program) conducted a domestic scan to document successful engineering strategies that have been implemented to reduce lane-departure crashes. Strategies were collected from the states of Washington, Pennsylvania, Georgia, South Carolina, Missouri, Mississippi, Minnesota, Iowa, Michigan, and Colorado, as well as from Wright County, Minnesota, and Mendocino County, California. Some of the members of the scan team will present their findings during this session.

**2. TZD Safe Roads Grantee Meeting: Coalition Building and Program Sharing**

(Lake Superior Ballroom M/N)

Moderator: *Amy Roggenbuck*, South Central/Southwestern Regions Toward Zero Deaths Coordinator

*Crystal Hoepner*, Douglas County TZD Safe Roads Coalition; *Stephanie Felt*, Kandiyohi County TZD Safe Roads Coalition

To continue working toward its goal of zero traffic deaths and serious injuries on state and local roads, the Office of Traffic Safety in the Department of Public Safety is funding community coalition work through the TZD Safe Roads grant program. Coalition program successes and

challenges will be presented by community coordinators. Regional TZD coordinators will lead a discussion on the local benefits of participating in regional efforts. This session is ideal for someone interested in forming a coalition in their community focused on traffic safety. **TZD Safe Roads grantees are required to attend this session.**

**3. The Anatomy of an Intersection: Experience and Innovation**

(Lake Superior Ballroom O)

Moderator: *Rob Ege*, District 1, Minnesota Department of Transportation

*Jim Rosenow*, Office of Technical Support, Minnesota Department of Transportation; *Steve Misgen*, Metro District, Minnesota Department of Transportation; *Will Stein*, Federal Highway Administration

Highway intersections pose particular challenges with regard to safety and mobility as traffic volumes and congestion levels continue to increase. As a result, drivers, pedestrians, and bicyclists experience longer delays and greater exposure to safety risks. Today's traffic and safety problems are becoming increasingly complex and conventional intersections are not always sufficient to mitigate transportation problems. This session will address how traditional urban and rural intersections are engineered for safety and how alternative intersection designs are being used as new strategies to improve intersection safety.

**4. DWI Enforcement, E-charging, and Ignition Interlock**

(Gooseberry Falls Room)

Moderator: *Sgt. Don Marose*, Minnesota State Patrol, Minnesota Department of Public Safety

*Jeffrey Beahen*, Bureau of Criminal Apprehension; *Kristi Nielsen*, Attorney

General's Office; *Tpr. Matt Dick*, Minnesota State Patrol, Minnesota Department of Public Safety; *Tpr. Tiffani Nielson*, Minnesota State Patrol, Minnesota Department of Public Safety; *Sean McCarthy*, Fluegel Law Firm P.A.

The presenters in this session will discuss new and upcoming technologies, case law, statute changes, and enforcement strategies in detecting and removing impaired drivers from Minnesota's roads.

**5. START Triage: An Overview of a Multi-Casualty Incident**

(Split Rock Room)

Moderator: *Jon Karger*, Otter Tail County Sheriff's Office

*Sgt. Deric Swenson*, Moorhead Police Department

You are the first person on the scene of a bus crash where patients are scattered everywhere. Would you know what to do? This session will talk about the basics of a triage situation, including a review of START (Simple Triage And Rapid Treatment) triage and victim prioritization.

**6. LATCH Jeopardy: Do You Know All That the LATCH Manual Has to Offer?**

(French River Room)

Moderator: *Marla Diederich*, Benton County Human Services

*Diana VanWormer*, Regions Hospital; *Esther DeLaCruz*, Child Passenger Safety Associates

Do you really understand all the valuable information contained in the Lower Anchors and Tethers for Children (LATCH) manual? This session will test your knowledge of the LATCH manual in an interactive format. (This session has been approved for CPS CEUs.)

## 7. Visit Exhibit Hall

Participants are encouraged to visit and network with the exhibitors during this time.

**11:30-12:00 p.m.**

**Luncheon** (Lake Superior Ballroom)

**12:00 -1:00 p.m.**

**Agency Commissioner's Comments and Awards Ceremony** (Lake Superior Ballroom)

Traffic safety partners will be honored for their outstanding work. The Kathy Swanson Outstanding Service Award, the Distinguished Public Leadership Award, and the TZD Star Awards, will be presented.

**1:00-1:30**

**Visit Exhibit Hall**

**1:30-2:45**

**CONCURRENT SESSIONS**

**8. Good Trucker or Bad Trucker? Understanding the New CSA Program** (Lake Superior Ballroom L)

Moderator: *John Hausladen*, Minnesota Trucking Association

*Billy Woolsey*, Midwest Compliance, Inc.

The federal government has put a wealth of new information on the Internet as a result of its new CSA (Compliance, Safety, Accountability) initiative. Such information can be useful to law enforcement ... if they know what the data means. This session will walk attendees through the CSA initiative and related sites to help law enforcement better understand and interpret this information to improve roadside safety.

**9. How to Ramp up Traffic Safety Efforts in Your Community**

(Lake Superior Ballroom M/N)

Moderator: *Gail Weinholzer*, AAA Minnesota/Iowa

*Brenda Thomas*, MADD; *Donna Naumann*, Minnesota Operation Lifesaver; *Sharon Gehrman-Driscoll*, Minnesotans for Safe Driving; *Lisa Kons*, Minnesota Safety Council

Did you know that there are many organizations that provide free traffic programming and resources? Come and hear an overview of what programs and resources are available. Leave with tools to get employees and your community engaged in traffic safety programming.

**10. The Lights Are On but Nobody's Home: Perspectives on 24-Hour Lighting Research** (Lake Superior Ballroom O)

Moderator: *Brad Estochen*, Office of Traffic, Safety, and Technology, Minnesota Department of Transportation

*Gordy Pehrson*, Office of Traffic Safety, Minnesota Department of Public Safety; *Katie Fleming*, Office of Traffic, Safety, and Technology, Minnesota Department of Transportation

At the request of the Minnesota Legislature, the Department of Public Safety and the Minnesota Department of Transportation recently partnered on a study investigating the feasibility of requiring mandatory 24-hour vehicle lighting. This session will discuss the findings of this research.

**11. TZD Law Enforcement Grant Program** (Gooseberry Falls Room)

Moderator: *Shannon Swanson*, Office of Traffic Safety, Minnesota Department of Public Safety

*Bruce Johnson*, Office of Traffic Safety, Minnesota Department of Public Safety

Significant changes have been made to the Office of Traffic Safety enforcement program. This session will provide an overview of those changes and a presentation of the new e-grants system. Attendees will have the opportunity to share suggestions for future program improvements and ideas on how they have enhanced their traffic safety enforcement program. **This session is required for all enforcement grantees.**

**12. Ambulance Crashes and Occupant Injuries** (Split Rock Room)

Moderator: *Jon Karger*, Ottertail County Sheriff's Office

*Sherm Syverson*, F-M Ambulance Service; *Cameron Dean*, Ringdahl Ambulance; *Randall Fischer*, Ringdahl Ambulance

This session will showcase case studies of ambulance crashes and discuss lessons learned from those crashes. What caused the crash? What could have been done differently to prevent the crash? The session will also cover the dangers of having improperly secured equipment in vehicles and the injuries that unsecured equipment can cause.

**13. 2011 CPS and Airbag Update** (French River Room)

Moderator: *Heather Darby*, Office of Traffic Safety, Minnesota Department of Public Safety

*Dave Long*, The Airbag Detective

This session will look at new vehicles with up to 12 airbags and discuss how they relate to CPS. Preview frontal, side, knee, rear, rear seat, and side curtain airbags. New information on locations of side seat, curtain airbag systems, and curtain airbags up to 8-10 feet long will be presented. The speaker will discuss how these airbags affect placement of child safety seats. Experience a "live" side and side curtain airbag deployment. (This session has been approved for CPS CEUs.)

**14. Visit Exhibit Hall**

Participants are encouraged to visit and network with the exhibitors during this time.

**2:45-3:15**

**Break and Exhibits**

(Edmund Fitzgerald Exhibit Hall)

**3:15-4:30**

**CONCURRENT SESSIONS**

**15. Cops in Court: DWI Mock Trial** (Lake Superior Ballroom L)

Moderator: *Bill Lemons*, Minnesota County Attorneys Association

*Sgt. Don Marose*, Minnesota State Patrol, Minnesota Department of Public Safety; *Sean McCarthy*, Fluegel Law Firm P.A.; *Pam Converse*, Scott County Attorney's Office; *Judge Shaun Floerke*, Sixth Judicial District, State of Minnesota

Mock trials are an effective tool for providing law enforcement and prosecutors with experience in case presentation and obtaining feedback and guidance for improving trial performance. This interactive workshop allows law enforcement and prosecutors to observe and comment on the presentation of testimony in a DWI case. (This session has been approved for 1.25 CLEs.)

**16. Marketing Safety Across the Generations** (Lake Superior Ballroom M/N)

Moderator: *Nathan Bowie*, Office of Communications, Minnesota Department of Public Safety

*Bob Filipczak*, Office of Communications, Minnesota Department of Transportation

We are in the middle of a safety revolution, and almost everyone in the nation agrees that the safety of our young people cannot be compromised. This is a unique moment and a unique opportunity. This session will take a look at how we can reach Baby Boomers, Generation X, and the Millennial Generation — through the lens of popular culture — with the message of traffic safety at a pivotal point in our nation's generational history.

## 17. Traffic Records Data: From Crash Scene to User Analysis

(Lake Superior Ballroom O)

Moderator: *Kathleen Haney*, Office of Traffic Safety, Minnesota Department of Public Safety

*Kathleen Haney*, Office of Traffic Safety, Minnesota Department of Public Safety; *Bob Hoemke*, Office of Traffic Safety, Minnesota Department of Public Safety; *Jeff O'Brien*, Office of Traffic Safety, Minnesota Department of Public Safety; *Nathan Drews*, Office of Traffic Safety, Minnesota Department of Public Safety

A traffic crash happens, but what happens to the information in the crash report? Follow the data as it is collected at the scene and through the process it undergoes to become available to users for analysis.

## 18. Traffic Law Jeopardy

(Gooseberry Falls Room)

*Lt. Eric Roeske*, Minnesota State Patrol, Minnesota Department of Public Safety

Participate in a virtual session of Jeopardy, centered on traffic safety-related laws and issues. Test your knowledge and see if you can be crowned the Jeopardy winner! Audience participants will have clickers allowing them to respond to questions you might know and some you've never heard of.

## 19. Designer Drugs: New Tricks for Old Things

(Split Rock Room)

Moderator: *Dan DeSmet*, North Memorial Ambulance

*Richard Moldenhauer*, Alcohol and Drug Abuse Division, Minnesota Department of Human Services

Designer drugs have become the latest craze throughout the nation. With the recent addition of K2 and spice and bath salts, everyone is wondering what these designer drugs are and how they affect the body's responses when driving. This presentation will provide a closer look at their use, effects, and how they are being dealt with in our communities and on our highways.

## 20. Essentia Health CPS Case Studies

(French River Room)

Moderator: *Jenn Hoff*, Essentia Health

*Dr. John Bollins*, Essentia Health

This session will present case studies from Essentia Health in Duluth that highlight injury patterns related to proper and improper child restraint use. Valuable discussion regarding proper pre-hospital and hospital care will also be presented. (This session has been approved for CPS CEUs.)

## 21. Visit Exhibit Hall

Participants are encouraged to visit and network with the exhibitors during this time.

4:30-5:30

## Reception with Hearty Appetizers

(Edmund Fitzgerald Exhibit Hall)

# THURSDAY, NOVEMBER 17, 2011

7:00-8:00 a.m.

**Buffet Breakfast** (Lake Superior Ballroom)

8:00-9:00

**Plenary Session: Want Zero Deaths?**

**Engage the System that Saves Lives: EMS**

(Lake Superior Ballroom)

Moderator: *Lee Munnich*, Center for Excellence in Rural Safety, University of Minnesota

Presenter: *Dia Gainor*, National Association of State EMS Officials

Panelists: *Tim Held*, Minnesota Statewide Trauma System, Minnesota Department of Health; *Dr. Paul Satterlee*, Allina Medical Transportation; *Lt. Col. Matt Langer*, Minnesota State Patrol, Minnesota Department of Public Safety

As the youngest "E," emergency medical and trauma services offers significant opportunities for reduction of death and disability following motor vehicle-related incidents. Pre-hospital care provided by local ambulance services, helicopter EMS, hospitals, and trauma centers offer proven potential for avoiding preventable deaths, especially in rural areas. This session will discuss exciting possibilities emerging on the national level at the intersection of highway safety and intelligent transportation systems. It will also include reactions from Minnesota EMS and trauma care communities.

9:15-10:30

## CONCURRENT SESSIONS

### 22. Commercial Vehicle Enforcement 101

(Lake Superior Ballroom L)

Moderator: *Sgt. Don Marose*, Minnesota State Patrol, Minnesota Department of Public Safety

*Sgt. Mike Wayne*, Minnesota State Patrol, Minnesota Department of Public Safety

If it is big, heavy, and makes hissing sounds (air brakes), this session will tell you what you need to know from the enforcement perspective. Come learn the basics about

commercial vehicle enforcement—things every cop should know.

### 23. Sharing the Road Part I – Myths and Myth Busters

(Lake Superior Ballroom M/N)

Moderator: *Lisa Austin*, Office of Transit, Bicycle and Pedestrian, Minnesota Department of Transportation

*Lisa Austin*, Office of Transit, Bicycle and Pedestrian, Minnesota Department of Transportation; *Chris Potter*, Fargo-Moorhead Police Department; *Greg Lindsey*, Humphrey School of Public Affairs, University of Minnesota

Are bicycle and pedestrian crashes on the rise? Are the number of people walking and biking increasing, and if yes, where? Where is the safest place to ride a bicycle? What time of day do most crashes with pedestrians occur? What is the Minnesota crosswalk law? Can a bicyclist legally use the full traffic lane? Get the answers to these and other important questions by attending the first of a two-part session on sharing the road with bicyclists and pedestrians.

### 24. Rural ITS: Lessons Learned

(Lake Superior Ballroom O)

Moderator: *Tom Swenson*, District 4, Minnesota Department of Transportation

*Tom Sohrweide*, SEH, Inc.; *Jon Jackels*, Office of Traffic, Safety, and Technology, Minnesota Department of Transportation

Dynamic traffic-actuated intelligent transportation system solutions are being used more and more in rural areas. Many of these systems address improving safety at rural intersections and curves. Our expert panel will highlight systems that are being developed, discuss lessons learned, present effectiveness, and outline things to consider before deployment.

**25. Data Driven Approaches to Crime and Traffic Safety (DDACTS)**

(Gooseberry Falls Room)

Moderator: *Cpt. Steve Stromback*, Minnesota State Patrol, Minnesota Department of Public Safety

*Lt. Leigh Wright*, Duluth Police Department; *Cpt. Steve Stromback*, Minnesota State Patrol, Minnesota Department of Public Safety

Come learn about how DDACTS has been implemented in the City of Duluth as a partnership between the Duluth Police Department and the Minnesota State Patrol. Learn ways to implement the same program in your community as a method to reduce crime and increase traffic safety.

**26. Motor Vehicle Crash Case Studies: Comparative Patient Outcomes Based on Seatbelt Utilization** (Split Rock Room)

Moderator: *Kristi Engelstad*, F-M Ambulance Service

*Deb Syverson*, Sanford Medical Center

This session will provide an insider's view of the care and outcomes of critically and non-critically injured victims of motor vehicle crashes. Trauma case studies will be reviewed for comparison of traumatic injuries sustained by both belted and unbelted occupants in same vehicle crashes. Participants will review cases from initial findings of first responders through the amazing variation in discharge outcomes.

**27. CPS – Technical Changes, Updates, and Future Technology: What Every CPS Advocate Needs to Know**

(French River Room)

Moderator: *Heather Darby*, Office of Traffic Safety, Minnesota Department of Public Safety

*Jennifer Booge*, CPS Liaison

As CPS advocates, we all know how important it is to stay current with new products and changes in technology. This session will address changes to child restraints and vehicles, which affect what we all do in the field. We will take a closer look at new products and how higher weight harnessed restraints affect our ability to utilize the LATCH system. This session will also address the use of child restraints outside the vehicle and the dangers it poses to our smallest passengers. (This session has been approved for CPS CEUs.)

**10:45-12:00 p.m. CONCURRENT SESSIONS**

**28. Engaging Parents of Teen Drivers: Content and Methods for Implementing a Parental Education Class**

(Lake Superior Ballroom L)

Moderator: *Gordy Pehrson*, Office of Traffic Safety, Minnesota Department of Public Safety

*Tony Gullikson*, Warren-Alvarado-Oslo Public Schools; *Andrea Gierok*, Winona County Community Health Services; *Lindsey Carlson*, MADD

Effective parental involvement holds significant promise for reducing young driver crashes. Many parents lack awareness of teen driving risks and laws, the important role they play in developing a safe driver, and the tools available to help them. In this session participants will learn about content and strategies to implement a successful parent/teen driver education class, with involvement from various traffic safety partners, and about the MADD Power of Parents program.

**29. Sharing the Road Part II – Tools for Success** (Lake Superior Ballroom M/N)

Moderator: *Lisa Kons*, Minnesota Safety Council

*Mitzi Baker*, Olmsted County; *Peter Flucke*, WE BIKE, etc, LLC; *John Hausladen*, Minnesota Trucking Association; *Erin Petersen*, Minnesota Safety Council

Now what? Part I (session 23) covered the bicycle and pedestrian laws, where and why crashes occur, and other data. How do we take that information and use it to foster behavior changes in motorists, bicyclists, and pedestrians to improve safety and reduce crashes? What role does education and enforcement play? In this session we study cases and best practices to educate the public and conduct enforcement campaigns. Learn about tools you can use in your community to improve bicycle and pedestrian safety.

**30. The Sound of Saving Lives**

(Lake Superior Ballroom O)

Moderator: *Derek Leuer*, Office of Traffic, Safety, and Technology, Minnesota Department of Transportation

*Ken Johnson*, Office of Traffic, Safety, and Technology, Minnesota Department of Transportation; *Victor Lund*, St. Louis County; *Brad Estochen*, Office of Traffic, Safety, and Technology, Minnesota Department of Transportation

Rumble strips and rumble stripes are two of the most cost-effective strategies for reducing lane-departure crashes; however, concerns have been raised both by residents who live close to rumbles and by bicyclists. This session will discuss the performance of rumble strips and stripes, as well as accommodations that are being proposed to reduce concerns from neighbors and bicyclists.

**31. What's New with Traffic Crash Reconstruction?** (Gooseberry Falls Room)

Moderator: *Lt. Eric Roeske*, Minnesota State Patrol, Minnesota Department of Public Safety

*Sgt. Paul Skoglund*, Minnesota State Patrol, Minnesota Department of Public Safety

Come discover new technology related to crash reconstruction. What is a black box? What does it record? What vehicles have them? You'll learn the answers to those questions and walk through a case study at the same time.

**32. To Cool or Not to Cool: A Case Study of Hypothermia in Pediatric Neurotrauma** (Split Rock Room)

Moderator: *Nathan Selstad*, Children's Hospitals and Clinics of Minnesota

*Mark Weiberg*, Mayo One Air Ambulance; *Jeanna Machecek*, Hennepin County Medical Center; *Dr. Andrew Kiragu*, Hennepin County Medical Center; *Nathan Selstad*, Children's Hospitals and Clinics of Minnesota

Hypothermia in pediatric neurotrauma is a technique to help lessen the severity of secondary brain injury. This session will follow the case of a child involved in a car crash whose care involved hypothermia. Attendees will learn how the hospital medical providers, based on information received from first responders in the field, challenged the cutting edge of neurocritical care.

**33. Minnesota State Booster Seat Survey Results** (French River Room)

Moderator: *Hal Campbell*, Office of Traffic Safety, Minnesota Department of Public Safety

*Todd Emanuel*, Mayo Clinic

Are more 4- to 7-year-old Minnesota children buckling up in boosters? This session will present information and provide an opportunity for discussion on Minnesota's booster seat usage rate.

**12:00 Adjourn**