

ITE Transportation Safety Communication/Action Plan 2023

Council Overview

The ITE Transportation Safety Council (TSC) assumes a leadership role, provides meaningful coordination, and helps advance technical activities throughout the Institute within the broad field of surface transportation safety. The TSC Executive Committee includes three standing committees: Vision Zero (VZ), Transportation Forensics and Risk Management (TFARM), and Data-Driven Safety Analysis (DDSA). These component groups represent critical focus areas and opportunities for improved organization and collaboration, have contributed to the development of this plan, and have identified action items and deliverables for the 2023.

2023 Mission

To exercise leadership and work to transform our professional and organizational cultures by prioritizing safety as a societal value.

Goals

To fulfill our mission, while consistent with the strategic goals outlined by the ITE IBOD and other governance documents, the TSC shall:

- Advance the state-of-the-practice and body of knowledge in the field of roadway safety to contribute to an overarching goal of eliminating traffic-related fatalities and serious injuries following the Safe System approach.
- Collaborate and communicate internally within ITE and with external organizations who share common goals that focus on improving transportation safety throughout society.
- Support innovation and promote meaningful dialogue to timely safety issues.
- Be the focal point for advances in transportation safety best practices, innovation, deployment of new products, and professional development in the Institute.
- Create and provide opportunities for TSC members to enhance their professional careers through participation in the Institute or Council technical projects, communications, and activities.

Executive Committee

Position	Name	Contact
Chair	Meghan Mitman	M.Mitman@fehrandpeers.com
Vice Chair	Priyanka Alluri	PAlluri@fiu.edu
Secretary	Diwu Zhou	D.Zhou@fehrandpeers.com
Communications Director	Waleed Bin Tariq	waleedbintariq0@gmail.com
VZ Standing Committee Lead	Sandeep Aysola	saysola@newhavenct.gov
TFARM Standing Committee Lead	Rock Miller	rock@rockemiller.com
DDSA Standing Committee Lead	Mohamadreza Banihashemi	mohamad.banihash@dot.gov

ITE Transportation Safety Communication/Action Plan 2023

One ITE Liaison Roster

Position	Name	Contact
ITE Liaison	Luana Broshears	lbroshears@ite.org
Traffic Engineering Council Liaison	Jeannette Qirus	jjqirus@mccormicktaylor.com

Standing Committee Roster

Standing Committee Name	Committee Action Plan page number
Vision Zero	9
Transportation Forensics and Risk Management	13
Data-Driven Safety Analysis	15

For more information about the Council, Chairperson Meghan Mitman (M.Mitman@fehrandpeers.com); Vice Chairperson Priyanka Alluri (palluri@fiu.edu); and/or Secretary Diwu Zhou (D.Zhou@fehrandpeers.com).

ITE Transportation Safety Communication/Action Plan 2023

Project Summary

The following table provides a high-level overview of the projects that will be completed or started this year.

Project	Task Owner	Final Due Date	Set up for Success?			
			CLT approval (y/n)	Volunteers assigned to support	# of additional volunteers needed	ITE Staff Approval & ITE Forms
ITE Technical Conference: Session Development	Meghan Mitman (TSC EC Chair)	March 2023		3 - 5	0	
Safety & Big Data: Develop/Deliver Technical Brief, Webinar, and Workshop	Diwu Zhou	February 2023		5	0	ITE Graphics and Web Posting
Core Elements of a Local Road Safety Plan: Develop/Deliver Technical Brief, Webinar, and Workshop	Emily Finkel	May 2023		5	0	ITE Graphics and Web Posting
Quick Bite on Various Topics	Priyanka Alluri	December 2023		1	0	ITE Graphics and Web Posting
Identification and launch of next TSC Technical Brief(s)	Meghan Mitman	December 2023		0	5+	ITE Graphics and Web Posting
Fall Student Spotlight	Priyanka Alluri	December 2023		3	3+	ITE Graphics and Web Posting
Identify and Draft TSC Developing Trends	Steve Lavernz	August 2023		1	3	
Support Safe System Certificate Course	Meghan Mitman	March 2023		5	0	
Coordination with Standing Committees	Varies	Varies		See Standing Committee Action Plans		

ITE Transportation Safety Communication/Action Plan 2023

Webinar Summary

Assigned webinar date	Webinar topic	Set up for Success?				Success Record	
		Abstract prepared	Assigned moderator	Presenters	Outreach planned	Delivered on time	Number of attendees
TBD	Applications of Big Data in Safety Analysis (Safety Council)	Yes	Diwu Zhou	Diwu Zhou, Noah Budnick, Paul St-Aubin	Social Media		
TBD	Core Elements of an LRSP (Safety Council)	Yes	Emily Finkel	Emily Finkel	Social Media		
TBD	Safety Cameras and Automated Enforcement (Vision Zero)	Yes	TBD	TBD	Social Media		
TBD	Building Effective Interdisciplinary Tactical Relationships with Enforcement, Emergency Services, Health, and Providers of Transportation Services (Vision Zero)	Yes	TBD	TBD	Social Media		
TBD	Tracking and Sharing Vision Zero Program Effectiveness (Vision Zero)	No	TBD	TBD	Social Media		
TBD	Liability of Connected and Autonomous Vehicles (TFARM)	No	TBD	TBD	Social Media		
TBD	Trends in Alcohol & Marijuana interaction on driving (TFARM)	No	TBD	TBD	Social Media		
TBD	TBD DDSA Webinar (DDSA)	No	TBD	TBD	Social Media		

ITE Transportation Safety Communication/Action Plan 2023

Webinars

Applications of Big Data in Safety Analysis | Assigned Date from ITE: TBD

In 2021, the Institute of Transportation Engineers (ITE) Safety Council published the Technical Brief “Incorporating Big Data into Safety Analysis: An Integrated and Proactive Approach”, defining Big Data in the context of safety and describing how Big Data can be used to supplement traditional crash data. This Technical Brief builds upon the former and provides a guide to help transportation professionals understand how to define and incorporate Big Data when scoping and implementing and evaluating safety projects. Case studies of specific applications are discussed to demonstrate how Big Data can be applied when evaluating safety performance.

Webinar Team

Role	Name	Email	Phone
Moderator/Presenter	Diwu Zhou	d.zhou@fehrandpeers.com	512-731-0432
Presenter	Noah Budnick	NBudnick@cityofberkeley.info	
Presenter	Paul St-Aubin	Paul.st.aubin@transoftsolutions.com	

Webinar 1 Pathway to Success

Deliverables	Responsible Party	Due Date	ITE Deadline
Administrative Draft Report	Diwu Zhou	September 2022	
Draft Report	Diwu Zhou	November 2022	
Review Draft Report	Diwu Zhou	December 2022	
ITE Peer Review	Diwu Zhou	January 2023	February 2023
Address Comments from ITE	Diwu Zhou	March 2023	
Organize and Deliver Webinar	Diwu Zhou	May 2023	

ITE Transportation Safety Communication/Action Plan 2023

Core Elements of a Local Road Safety Plan (LRSP) | Assigned Date from ITE: TBD

The Core Elements of an LRSP Webinar provides practitioners with roadmap for implementing Safe System approach in Local Road Safety Plans.

Webinar Team

Role	Name	Email	Phone
Moderator/Presenter	Emily Finkel	e.finkel@fehrandpeers.com	(562) 294-6365

Webinar 1 Pathway to Success

Deliverables	Responsible Party	Due Date	ITE Deadline
Administrative Draft Report	Emily Finkel	September 2022	
Draft Report	Emily Finkel	November 2022	
Review Draft Report	Emily Finkel	December 2022	
ITE Peer Review	Emily Finkel	January 2023	February 2023
Address Comments from ITE	Emily Finkel	March 2023	
Organize and Deliver Webinar	Emily Finkel	May 2023	

ITE Transportation Safety Communication/Action Plan 2023

Product/Project/Initiative

Core Elements of an LRSP: Technical Brief

The Core Elements of an LRSP Technical Brief provides practitioners with roadmap for implementing Safe System approach in Local Road Safety Plans.

Project 1 Pathway to Success

Deliverables	Responsible Party	Due Date
Outline	Emily Finkel	March 2022
Obtain Volunteers	Emily Finkel	April 2022
Administrative Draft	Emily Finkel	September 2022
Draft	Emily Finkel	December 2022
Submit Draft to ITE	Emily Finkel	January 2023
Final Draft	Emily Finkel	February 2023
Submit Final Draft to ITE	Emily Finkel	March 2023
Final Project!	Emily Finkel	May 2023

Applications of Big Data in Safety Analysis: Technical Brief

In 2021, the Institute of Transportation Engineers (ITE) Safety Council published the Technical Brief *Incorporating Big Data into Safety Analysis: An Integrated and Proactive Approach*, defining “Big Data” in the context of safety and describing how Big Data can be used to supplement traditional crash data. This Technical Brief builds upon the former and provides a guide to help transportation professionals understand how to define and incorporate Big Data when scoping, implementing, and evaluating safety projects. Case studies of specific applications are included to illustrate real world examples of evaluating safety performance with Big Data.

Project 2 Pathway to Success

Deliverables	Responsible Party	Due Date
Outline	Diwu Zhou	March 2022
Obtain Volunteers	Diwu Zhou	April 2022
Administrative Draft	Diwu Zhou	September 2022
Draft	Diwu Zhou	December 2022
Submit Draft to ITE	Diwu Zhou	January 2023
Final Draft	Diwu Zhou	February 2023
Submit Final Draft to ITE	Diwu Zhou	March 2023
Final Project!	Diwu Zhou	May 2023

ITE Transportation Safety Communication/Action Plan 2023

2023 Technical Brief

2023 Technical Brief will be determined after the Transportation Research Board Conference in January/February.

Project 3 Pathway to Success

Deliverables	Responsible Party	Due Date
Outline	TBD	TBD
Obtain Volunteers	TBD	TBD
Administrative Draft	TBD	TBD
Draft	TBD	TBD
Submit Draft to ITE	TBD	TBD
Final Draft	TBD	TBD
Webinar	TBD	TBD
Submit Final Draft to ITE	TBD	TBD
Final Project!	TBD	TBD

ITE Transportation Safety Communication/Action Plan 2023

Vision Zero Standing Committee

Committee Overview

The Vision Zero (VZ) Standing Committee is associated with the ITE Transportation Safety Council (TSC). In this capacity it serves in a leadership capacity while providing support and guidance in developing coordination and advancing technical activities throughout the Institute to accelerate plans, programs, and projects to eliminate traffic-related human deaths and serious injuries.

Primary audience of the VZ Standing Committee is ITE membership including TSC and other key Councils and Committees such as the Complete Streets Council (Pedestrian and Bicycle Standing Committee), Traffic Engineering Council (Roundabout Standing Committee), Planning Council (Transportation and Health Standing Committee, and the Standing Committee on Ethics in the Transportation Committee.

The VZ Standing Committee is also actively engaged in information exchange with other organizations including Transportation Research Board (TRB), Vision Zero Network, U.S. Department of Transportation (USDOT), Association of Pedestrian and Bicycle Professionals (APBP), Road to Zero Coalition, Toward Zero Deaths, National Safety Council, Center for Auto Safety and National Association of City Transportation Officials (NACTO).

Regular or event-driven communication from the Committee Chair to membership to enhance information sharing.

2023 Mission

To solidify, support and expand commitment to exercise leadership and work to transform our professional and organizational cultures by prioritizing safety as an intrinsic societal value and responsibility.

The Vision Zero Standing Committee looks forward to advancing Vision Zero Programs and policies of ITE. Continuing efforts in 2023 will focus on:

- further integrating safety into the culture of federal, State and local agencies;
- gaining support and coordinating efforts with elected officials, non-transportation agencies, advocacy groups, private sector, travelling public, and social and mainstream media

Goals

To fulfill our mission in a manner consistent with the strategic goals of the TSC and as outlined by the ITE International Board of Directors (IBOD) and other governance documents, the VZ Standing Committee shall:

1. Enhance and strengthen activities of Executive Committee.

- Transition to new leadership – Sandeep Aysola and Xavier R. Falconi.
- Call for volunteers to serve on the executive committee.
- Promote accountability and improve communication by holding regular meetings virtually or in-person.

2. Expand the reach of the Committee.

- Create a communications and outreach plan.

ITE Transportation Safety Communication/Action Plan 2023

- Utilize and expand targeted email distribution list.
 - Expand partnership conversations with other ITE councils/committees (e.g., Complete Streets/Pedestrian and Bicycle, Traffic Engineering, Transportation Planning, Transportation and Health, Roundabout, Ethics).
- 3. Develop a Vision Zero Webinar Program Series**
 - Identify potential topics; survey internal/external audiences for level of interest.
 - Develop up to three webinars for ITE Professional Development Program.
 - Actively pursue opportunities for collaborations to co-host webinars with other organizations.
 - 4. Facilitate opportunities to educate the transportation community on Vision Zero**
 - Identify and enable committee members to write articles in ITE Journal and other publications.
 - Encourage committee members to write safety-related articles in newsletters of ITE Districts, Sections and Chapters.
 - 5. Serve the greater community's safety needs**
 - Support ITE Policy Committee and Transportation Safety Council in developing and implementing policies.
 - Assess ability and resources available to advance the state-of-the-practice and body of knowledge to contribute to overarching goal of reducing traffic-related fatalities and serious injuries.
 - Support innovation and encourage creative responses to timely safety issues.
 - Create and provide opportunities for VZ Standing Committee members to enhance their professional careers through participation in the ITE technical projects, communications and activities.

Executive Committee

Position	Name	Contact
Chair	Sandeep Aysola, PMP, PTP, RSP1	saysola@newhavenct.gov
Vice Chair	Xavier R. Falconi, P.E.	XFalconi@wpb.org
Staff Liaison	Luana Broshears, Ph.D. P.E. PTOE, RSP21	lbroshears@ite.org
Director of Communications	VACANT	
Technical Advisor	John R. Campbell IV, P.E., RSP21	jcampbell@tadi-us.com
Secretary	VACANT	
Webinar Committee Liaison	LiLi Liang, P.E., PTOE, PTP	lliang@mdot.maryland.gov
Board Liaison	Steven Lavrenz, Ph.D., RSP21	slavrenz@wayne.edu
	Kathryn Kleinschmidt, P.E., PTOE	Kathryn.kleinschmidt@ghd.com
	Stacey Meekins, AICP	smeekins@samsachwartz.com

One ITE Liaison Roster

ITE Council or Committee	Name of Liaison	Contact
Advocacy Committee		
Complete Streets Council	John Campbell	jcampbell@tadi-us.com
Consultants Council		

ITE Transportation Safety Communication/Action Plan 2023

Education Council	Steve Lavrenz	slavrenz@wayne.edu
Ethics Standing Committee	Safety Council Liaison	
Industry Council		
ITE CAV Standing Committee	Bjorg Olafs	bolafs@hntb.com
Joint Railgrade Crossing Standing Committee	Nicole Jackson	
National SimCap Committee	Eric Tripi	
Parking Standing Committee		
Ped/bike Standing Committee		
Public Agency Council		
Roundabout Standing Committee	Tim Barnett	tebarnett1@ua.edu
Smart Communities Standing Committee		
Sustainability Standing Committee		
Traffic Engineering Council	Bjorg Olafs	bolafs@hntb.com
Transit Standing Committee		
Transportation and Health Standing Committee		
Transportation Forensics & Risk Management Standing Committee		
Transportation Planning Council		
Transportation Safety Council	Gerard Soffian	gerardsoffian@gmail.com
TSMO Council		
Urban Goods Movement Standing Committee		
Vision Zero Standing Committee	N/A	

Projects Summary

The following table provides a high-level overview of the projects that will be completed or started this year.

Project	Task Owner	Final Due Date	Set up for Success?			
			CLT approval (y/n)	Volunteers assigned to support	# of additional volunteers needed	ITE Staff Approval & ITE Forms
Host 3 webinars	Sandeep Aysola	December 2023		5	0	ITE Graphics and Web Posting
1 Technical brief	Sandeep Aysola	December 2023		0	5+	ITE Graphics and Web Posting
1-3 Quick bites	Sandeep Aysola	December 2023		0	1+	ITE Graphics

ITE Transportation Safety Communication/Action Plan 2023

							and Web Posting
--	--	--	--	--	--	--	-----------------

Webinars Summary

Assigned webinar date	Webinar topic	Set up for Success?				Success Record	
		Abstract prepared	Assigned moderator	Presenters	Outreach planned	Delivered on time	Number of attendees
TBD	Safety Cameras and Automated Enforcement						
TBD	Building Effective Interdisciplinary Tactical Relationships with Enforcement, Emergency Services, Health, and Providers of Transportation Services						
TBD	Tracking and Sharing Vision Zero Program Effectiveness						

ITE Transportation Safety Communication/Action Plan 2023

Transportation Forensics and Risk Management Standing Committee

Committee Overview

This committee is associated with the ITE Transportation Safety Council.

This committee formerly existed as the Expert Witness Council but was merged into the Transportation Safety Council a few years ago. Many of the members are active in working as expert witnesses in litigation, mostly involving traffic collisions. Some members are interested in doing this work in the future, and others are interested in understanding the tort liability system and how it can affect their agency, company, or personal work and exposure.

2023 Mission

The committee will deliver its action plan in 2023 that includes a few projects being carried over from the previous year. We plan to offer two webinars: Alcohol and Marijuana effects on driving, and liability regarding connected and autonomous vehicles. We are also planning to propose an Annual Meeting session on liability and safe systems/vision zero, and we are supporting the Transportation Safety Council/ITE initiative to develop a safe systems certificate course. We are continuing to work on a project to update the Expert witness notebook that was created many years ago and contains content that continues to be valuable, but has required more resources than the committee can deliver in a single year.

Goals

Fulfillment of the 2023 Action Plan for webinars and annual Meeting sessions

Executive Committee

Position	Name	Contact
Chair	Rock Miller	rock@rockmiller.com
Vice Chair	Tom Rush	tom@focusforensics.com
Staff Liaison	Luana Broshears	lbroshears@ite.org
Secretary	TBD	
Webinar Committee Liaison	TBD	
Board Liaison	TBD	

One ITE Liaison Roster

Position	Name	Contact
Transportation Safety Council Liaison	Rock Miller	rock@rockmiller.com
ITE Liaison		

ITE Transportation Safety Communication/Action Plan 2023

Project Summary

The following table provides a high-level overview of the projects that will be completed or started this year.

Project	Task Owner	Final Due Date	Set up for Success?			
			CLT approval (y/n)	Volunteers assigned to support	# of additional volunteers needed	ITE Staff Approval & ITE Forms
Host 2 Webinars	Rock Miller	Dec 2023		5	0	ITE Graphics and Web Posting
Update Expert Witness Handbook	Rock Miller	Dec 2023		3	0	
Provide support on ITE initiatives	Rock Miller	Dec 2023		3	0	

Webinar Summary

Assigned webinar date	Webinar topic	Set up for Success?				Success Record	
		Abstract prepared	Assigned moderator	Presenters	Outreach planned	Delivered on time	Number of attendees
TBD	Liability of Connected and Autonomous Vehicles						
TBD	Trends in Alcohol & Marijuana interaction on driving						

ITE Transportation Safety Communication/Action Plan 2023

Data-Driven Safety Analysis Standing Committee

Committee Overview

Data Driven Safety Analysis (DDSA) committee is associated with the ITE Transportation Safety Council. This committee is about employing newer, evidence-based approaches and models that provide state and local agencies and highway safety practitioners with the methodologies and tools to quantify the safety effects of countermeasures. It also includes methods that could identify high-risk roadway facilities and countermeasures that provide the most beneficial and efficient safety improvements by eliminating fatal and severe injury crashes.

The scope of the activities of this committee is to promote the use of DDSA methodologies/tools in conducting qualitative and quantitative evaluations in all steps of transportation system processes, including but not limited to, network screening, diagnosis, crash prediction, countermeasure selection, economic appraisal, project prioritization, and safety effectiveness evaluation. The scope includes the promotion of safety for all users of the surface transportation system, including transit users, pedestrians, bicyclists, and other vulnerable users of the transportation system as well as promoting equity in transportation system.

In recent years there have been many uses of emerging programs, applications, technologies, and data sources to evaluate roadway safety. It is imperative that the DDSA committee identifies these applications and helps practitioners understand and use them in the most effective way. In many cases, the emerging programs, applications, technologies, and data sources are intertwined, and their applications are directly or indirectly related. Understanding these relations and dependencies and conveying this knowledge to the practitioners is another task that the DDSA committee can assist with.

Emerging Programs: Emerging and newly introduced programs, such as “Safe System Approach” and “Complete Streets,” bring new ways and possibilities to the safety engineers to improve transportation safety.

Emerging Data Sources: Emerging Data Sources may include Big Data such as video data, sensor data, Naturalistic Driving Study (NDS) data, Connected and Automated Vehicles (CAVs) data, socioeconomic data, census data, probe speed data, maintenance data, asset management data, and many crowd-sourcing data.

Emerging Applications: Emerging and newly introduced applications allow practitioners to analyze safety and emerging data more efficiently and develop trends that are more difficult to find. DDSA committee can play an active role in identifying applications, understanding the effectiveness and limitations of these tools, and conveying this information to highway safety practitioners.

Emerging Technologies: Emerging technologies can be grouped under two main categories, emerging technologies in surface transportation system, including Connected and Automated Vehicles (CAVs) and related technologies such as vehicle-to-infrastructure (V2I) and emerging technologies in data analysis such as Artificial Intelligence (AI), including Machine Learning (ML) and Deep Learning (DL) could make it possible to use the emerging data alongside conventional data.

ITE Transportation Safety Communication/Action Plan 2023

Goals

The main goal of the DDSA committee is to promote the level of understanding and capability of the safety practitioners to the level that they can take advantage of all existing and emerging knowledge and technologies to eliminate fatalities and severe injuries in our transportation system. Another objective of the committee is to make the transportation system as equitable as possible. Providing a safe system for all users of the transportation system, including all vulnerable users of the system, is one of the highest priorities of this committee.

Executive Committee

Position	Name	Contact
Chair	Mohamadreza Banihashemi	mohamad.banihash@dot.gov
Vice Chair	Wendy Kerhbiel	Wendy.Krehbiel@kimley-horn.com
Staff Liaison	Luana Broshears	lbroshears@ite.org
Secretary	Ossama E. Ramadan	Ossama.Ramadan@wsp.com
Webinar Committee Liaison	Lili Liang	liliang1@mdot.maryland.gov
Data, Analysis, and Tools Subcommittee Chair	Sam Harris	sharris@dot.ga.gov
Liaison and Technology Transfer Subcommittee Chair	Subasish Das	s-das@tti.tamu.edu

One ITE Liaison Roster

Position	Name	Contact
Transportation Safety Council Liaison	Mohamadreza Banihashemi	
ITE Liaison		

ITE Transportation Safety Communication/Action Plan 2023

Project Summary

The following table provides a high-level overview of the projects that will be completed or started this year. The DDSA Committee has these 10 subjects in line and we have volunteers to work on these but we have not decided what type of product we are going to produce for each of these (Quick Bite, Technical Brief, or Webinar).

Project	Task Owner	Final Due Date	Set up for Success?			
			CLT approval (y/n)	Volunteers assigned to support	# of additional volunteers needed	ITE Staff Approval & ITE Forms
DDSA and Safe Systems Approach *	Ehsan Dadvar	Dec 2023		4	0	
HSM and Safe Systems Approach *	Karla Rodrigues-Silva	Dec 2023		2	0	
DDSA and Big Data	Mohammad Jayaler	Dec 2023		4	0	
DDSA and Emerging Analytics such as AI and ML	Paul St-Aubin	Dec 2023		1	0	
DDSA and Equity	Christy Jeon	Dec 2023		5	0	
Safe System Approach for Intersections	Dave Petrucci	Dec 2023		4	0	
Wrong Way Driving	Mohammad Jalayer	Dec 2023		1	0	
BBI Data	Sam Harris	Dec 2023		1	0	
Probe Data	Sam Harris	Dec 2023		2	0	
Near-miss Analysis (VRUs)	Sam Harris	Dec 2023		4	0	
1+ Webinars	Mohamadreza Banihashemi	Dec 2023		0	5+	ITE Graphics and Web Posting
1 Technical Brief	Mohamadreza Banihashemi	Dec 2023		0	5+	ITE Graphics and Web Posting
1-3 Quick Bites	Mohamadreza Banihashemi	Dec 2023		0	1+	

ITE Transportation Safety Communication/Action Plan 2023

Webinar Summary

Assigned webinar date	Webinar topic	Set up for Success?				Success Record	
		Abstract prepared	Assigned moderator	Presenters	Outreach planned	Delivered on time	Number of attendees
TBD	TBD	TBD	TBD	TBD	TBD		