

2021 ITS Texas/ TexITE Joint Meeting



Presented by  CISCO

November 3–5, 2021 | Sheraton Dallas Hotel

WEDNESDAY, NOVEMBER 3

8:00 a.m. - 5:00 p.m.	Registration	Skybridge
8:00 a.m. - 1:00 p.m.	Sporting Clay Tournament	Elm Fork Shooting Sports
9:00 a.m. - 11:30 p.m.	Technical Tour: City of Dallas Traffic Management Center	Meeting Location: Sheraton Dallas Hotel Lobby
9:00 a.m. - 12:00 p.m.	Training: Traffic Signal Operations (Part 1)	Lone Star A3-4
9:00 a.m. - 12:00 p.m.	Training: Designing Streets for People	Lone Star Ballroom B
10:00 a.m. - 5:00 p.m.	Vendor Setup	Lone Star Preconvene
12:30 p.m. - 3:00 p.m.	Technical Tour: McKinney Avenue Trolley and Barn	Meeting Location: Sheraton Dallas Hotel Lobby
1:00 p.m. - 3:00 p.m.	Training: Traffic Signal Operations (Part 2)	Lone Star Ballroom A3-4
1:00 p.m. - 3:00 p.m.	Training: Urban Traffic Safety Urban Traffic Safety – Analysis Tools and Approaches	Lone Star Ballroom C3-4
1:30 p.m. - 5:00 p.m.	TexITE Board Meeting	Lone Star C1
3:00 p.m. - 4:30 p.m.	TxDOT Statewide TSMO Planning Update	Lone Star Ballroom B
5:00 p.m. - 6:00 p.m.	Professional Ethics Seminar	Lone Star Ballroom B
6:00 p.m. - 8:00 p.m.	Attendee Reception with Exhibitors	Lone Star Preconvene
8:00 p.m. - Midnight	Wednesday Night Social: “The Big Game”	Lone Star Ballroom B

THURSDAY, NOVEMBER 4

7:30 a.m. - 5:00 p.m.	Registration	Skybridge
7:30 a.m. - 5:00 p.m.	Exhibit Hall Open	Lone Star Preconvene
7:30 a.m. - 8:30 a.m.	Breakfast with Exhibitors (Additional Vendor Setup)	Lone Star Preconvene
7:30 a.m. - 8:30 a.m.	Younger Members Meet & Greet with Leadership	Lone Star A3-4
7:30 a.m. - 8:30 a.m.	Roundabout Committee Meeting	Lone Star C3-4
7:30 a.m. - 8:30 a.m.	At-Large Area Meeting	Lone Star A1-2
8:30 a.m. - 10:00 a.m.	Session 1: Innovation In Transportation	Lone Star Ballroom B
10:00 a.m. - 10:30 a.m.	Break with Exhibitors/Student Poster Session	Lone Star Preconvene
10:30 a.m. - Noon	Technical Session 2A	Lone Star A1-2
	Technical Session 2B	Lone Star A3-4
	Technical Session 2C	Lone Star C3-4
Noon - 1:30 p.m.	Kick-off Luncheon	Lone Star Ballroom B
1:30 p.m. - 3:00 p.m.	Technical Session 3A	Lone Star A1-2
	Technical Session 3B	Lone Star A3-4
	Technical Session 3C	Lone Star C3-4
3:00 p.m. - 3:30 p.m.	Break with Exhibitors/Student Poster Session	Lone Star Preconvene
3:30 p.m. - 5:00 p.m.	Technical Session 4A	Lone Star A1-2
	Technical Session 4B	Lone Star A3-4
	Technical Session 4C	Lone Star C3-4
6:00 p.m. - 9:00 p.m.	2021 Joint Meeting Thursday Night Social	Gilley's Dallas
9:00 p.m. - Midnight	Younger Members Late Night Event	City Tavern

FRIDAY, NOVEMBER 5

7:30 a.m. - 11:30 p.m.	Registration	Skybridge
7:30 a.m. - 10:30 a.m.	Exhibit Hall Open	Lone Star Preconvene
7:30 a.m. - 8:30 a.m.	Breakfast with Exhibitors	Lone Star Preconvene
8:30 a.m. - 10:00 a.m.	Technical Session 5A	Lone Star A1-2
	Technical Session 5B	Lone Star A3-4
	Technical Session 5C	Lone Star C3-4
10:00 a.m. - 10:30 a.m.	Break with Exhibitors/Student Poster Session	Lone Star Preconvene
10:30 a.m. - Noon	Technical Session 6A	Lone Star A1-2
	Technical Session 6B	Lone Star A3-4
	Technical Session 6C	Lone Star C3-4
Noon - 1:30 p.m.	Business and Awards Luncheon	Lone Star Ballroom B
2:00 p.m. - 4:30 p.m.	ITS Texas Board Meeting	Lone Star C2



HOWDY! WELCOME AND THANK YOU for being a part of this special joint meeting between ITS Texas and TexITE. Words cannot overstate how great it is to have you here **IN PERSON!** Take advantage of the opportunity to network and connect with a diverse cross-section of fellow engineers, planners, and technologists from throughout Texas and the United States — all of whom seek to solve our mobility issues in the State every day.

This meeting blends the best of an ITS Texas Annual Meeting with the best of a TexITE District Meeting. Wednesday provides training and technical tours, our vendors reception and a TexITE tradition — the Texas Hold'em Poker Tournament "The Big Game" in one action packed first day. In addition, we will have sporting clay tournament, a first for the joint conference.

Thursday features a full day of vendor exhibits with suppliers and solutions across a wide range of traffic engineering and ITS industries and a host of technical sessions. Our plenary session features both public and private sector perspectives. TxDOT's Director of Strategy and Innovation, Darran Anderson will be discussing the role of technology in transportation across the state. Gary DePreta of title sponsor Cisco will speaking to the future of transportation and connectivity. Paul Lennon of Skyline Technology Solutions will be speaking transportation-technology growth.

We are proud to announce that we will be joined by TxDOT Executive Director Marc Williams, P.E., as keynote speaker at our kickoff luncheon on Thursday. Mr. Williams will be followed by an afternoon of great technical sessions and our Thursday evening social event at Gilley's Dallas.

Friday wraps up with breakfast and our final break with the vendors, more technical sessions, student poster sessions and our combined ITS Texas/TexITE business and awards luncheon. Stick around for special recognitions for achievement, scholarship awards, and election results for both organizations.

The ITS Texas and TexITE Boards of Directors wish to express gratitude to all our vendors and sponsors. Without them, this joint meeting would not be financially possible. And we want to thank you, our meeting participants, for taking the time out of your busy schedules to attend this unique event. In addition, there are numerous volunteers from both organizations, as well as student chapter members, that have dedicated their time to make this a successful event — we appreciate your service!

If at any time you have a need or a problem, stop any ITS Texas or TexITE board member or visit our staff at the registration booth for help.

Thank you and enjoy the meeting!

Your 2021 ITS Texas President,
Joe Hunt

Your 2021 TexITE President,
Paul Luedtke

Local Arrangements Committee:

Alex Power
Vice President, ITS Texas

Erin Eurek
Vice President, TexITE

Joseph Marchione
Greater Dallas Section President, TexITE

Presented by 
CISCO

SESSION DESCRIPTIONS (see pages 11–12 for details)



WEDNESDAY, NOVEMBER 3

8:00 a.m. – 1:00 p.m.	Paradigm Traffic Systems Sporting Clay Tournament <i>Location: Elm Fork Shooting Sports 10751 Luna Rd. • Dallas, TX 75220</i> 
9:00 a.m. – 11:30 a.m.	Technical Tour: City of Dallas Traffic Management Center <i>Meeting Location: Sheraton Dallas Lobby</i>
9:00 a.m. – Noon	Traffic Signal Operations (Part 1) <i>Location: Lone Star Ballroom A3–4</i>
9:00 a.m. – Noon	Designing Streets for People <i>Location: Lone Star Ballroom B</i>
12:30 p.m. – 3:00 p.m.	Technical Tour: McKinney Avenue Trolley and Barn <i>Meeting Location: Sheraton Dallas Lobby</i>
1:00 p.m. – 3:00 p.m.	Traffic Signal Operations (Part 2) <i>Location: Lone Star Ballroom A3–4</i>
1:00 p.m. – 3:00 p.m.	Urban Traffic Safety – Analysis Tools and Approaches <i>Location: Lone Star Ballroom C3–4</i>
1:30 p.m. – 5:00 p.m.	TexITE Board Meeting <i>Location: Lone Star Ballroom C1</i>
3:00 p.m. – 4:30 p.m.	TxDOT Statewide TSMO Planning Update <i>Location: Lone Star Ballroom B</i>
5:00 p.m. – 6:00 p.m.	Professional Ethics <i>Location: Lone Star Ballroom B</i>
6:00 p.m. – 8:00 p.m.	Attendee Reception with Exhibitors <i>Location: Lone Star Preconvene</i>
8:00 p.m. – Midnight	Lambeth Engineering Wednesday Night Social “The Big Game” <i>Location: Lone Star Ballroom B</i> 

SESSION DESCRIPTIONS

THURSDAY, NOVEMBER 4

7:30 a.m. – 8:30 a.m.	Breakfast with Exhibitors <i>Location: Lone Star Preconvene</i>
7:30 a.m. – 8:30 a.m.	Younger Members Meet and Greet with Leadership <i>Location: Lone Star Ballroom A3–4</i>
<p>Session Moderator: <i>Cody Stone, City of Austin; TexITE Younger Member Committee Chair</i></p> <p>We encourage younger members or interested transportation professionals to come attend this Leadership Meet and Greet. We will have several industry leaders attend to discuss their experience and help guide attendees with career development, decision-making, and leadership in the transportation field. The event will include attendees from the TexITE and ITS Texas Boards. There will be break out groups for roundtable discussions and time for questions and answers. Join us as our current transportation leaders help develop the new generation!</p>	
7:30 a.m. – 8:30 a.m.	Roundabout Committee Meeting <i>Location: Lone Star Ballroom C3–4</i>
7:30 a.m. – 8:30 a.m.	At-Large Area Meeting <i>Location: Lone Star Ballroom A1–2</i>
8:30 a.m. – 10:00 a.m.	SESSION 1: INNOVATION IN TRANSPORTATION <i>Location: Lone Star Ballroom B</i>

WELCOME AND OPENING PLENARY SESSION

Session Moderators:

- **Joe Hunt**, Texas Department of Transportation
- **Paul Luedtke**, City of Garland

Current and Future Innovation Areas for Texas Transportation

Darran Anderson, TxDOT, Director of Strategy and Innovation

Bringing the Digital to Infrastructure

Gary DePrata, Cisco, Vice President of US Public Sector

Transportation–Technology Growth

Paul Lennon, Skyline Technology Solutions, Chief Technology Officer

2021 TexITE Board

President	<i>Paul Luedtke</i>
Vice-President	<i>Erin Eurek</i>
Secretary-Treasurer	<i>Scott Nelson</i>
International Director	<i>Melisa Finley</i>
Past President	<i>Marc Jacobson</i>
At-Large Representative	<i>John Habermann</i>
Brazos Valley Section Rep	<i>David Florence</i>
Capital Area Section Rep	<i>Vivek Deshpande</i>
Greater Dallas Section Rep	<i>David Halloin</i>
Greater Houston Section Rep	<i>Charles Stevens</i>
Greater Fort Worth Section Rep	<i>Mark Mathis</i>
South Texas Section Rep	<i>Larry Picasso</i>

2021 ITS Texas Board

President	<i>Joe Hunt</i>
Vice-President	<i>Alex Power</i>
Treasurer	<i>Victor De La Garza</i>
Secretary	<i>Lester Miyasaki</i>
Past President	<i>Thomas Fowler</i>
Director	<i>Marques Allen</i>
Director	<i>John Gianotti</i>
Director	<i>Brian Jahn</i>
Director	<i>Minh Le</i>

SESSION DESCRIPTIONS

THURSDAY, NOVEMBER 4

10:30 a.m. – Noon

TECHNICAL SESSIONS 2A, 2B, AND 2C

SESSION 2A: CONNECTED AND AUTONOMOUS VEHICLES, PART 1

Location: Lone Star Ballroom A1–2

SESSION SPONSOR



Session Moderator:

Joe Hunt, Texas Department of Transportation

What's Taking Place in Texas with CV/AV? The State Perspective

Robert E. Brydia, Texas A&M Transportation Institute

Planning for Equitable Autonomous Vehicle Networks

Josh Smith, Lee Engineering

Connecting the Future of Transportation

Blake Hansen and Rusty Hartman, Olsson

SESSION 2B: POTPOURRI

Location: Lone Star Ballroom A3–4

Session Moderator:

Larry Picasso, WSP USA

Smart Columbus: A Model for Connected Cities

Sai Geetha Koganti, HNTB Corporation

Post Pandemic Considerations

Elizabeth Aziz, Polara Enterprises

Traffic Signal Design Challenges of DDI's

Micahel Trueblood, WSP USA

SESSION 2C: ITE TOWN HALL

Location: Lone Star Ballroom C3–4

Session Moderator: *Charles Stevens, Stevens Technical*

Speakers:

- *Alyssa Rodriguez, City of Henderson, NV; ITE International President*
- *Beverly Kuhn, Texas A&M Transportation Institute; ITE International Vice President*

Noon – 1:30 p.m.

KICKOFF LUNCHEON

Location: Lone Star Ballroom B

Session Moderators:

- *Joe Hunt, Texas Department of Transportation*
- *Paul Luedtke, City of Garland*

Welcome Speaker:

Alyssa Rodriguez, City of Henderson, NV; ITE International President

Keynote Speaker:

Marc Williams, TxDOT Executive Director

SESSION DESCRIPTIONS

THURSDAY, NOVEMBER 4

1:30 p.m. – 3:00 p.m.

TECHNICAL SESSIONS 3A, 3B, AND 3C

SESSION 3A: ITS DATA AND RESEARCH

Location: Lone Star Ballroom A1–2

SESSION SPONSOR



Session Moderator:

Alex Power, Texas Department of Transportation
(retired)

Identifying and Quantifying the Causes of Congestion

Rick Ayers, Center for Advanced Transportation
Technology Lab

Statewide Fiber Optic Mapping and Future ITS Need Assessment

Richard Downs, Southwest Research Institute

System Engineering in ITS

Joe Hunt, Texas Department of Transportation

SESSION 3B: INNOVATIVE INTERSECTION DESIGN—ROUNDBOUTS AND MORE

Location: Lone Star Ballroom A3–4

Session Moderator:

Brad Brimley, Binkley & Barfield, Inc.

Innovative Structural Solutions to Dallas Area Traffic Signals

Sean Merrell, BGE Inc.

Flipped Left Diamond Interchange, Another Innovative Design in the Tool Box

Bahareh Bakhtiari, LJA Engineering

Turbo Roundabout Implementation Tool

Matthew Vechione, The University of Texas at Tyler

3C: NEW TECHNOLOGIES IN TRANSPORTATION/ITS TECHNOLOGY TOOLBOX

Location: Lone Star Ballroom C3–4

Session Moderator: **Lester Miyasaki**, WTI

Cloud Technology in Transit Signal Priority and Emergency Vehicle Preemption

Tim Menard, LYT

Iteris Vantage Complete to Get the Most Out of Your Data

Steven Torkelson and Terry Hammack, Iteris, Inc.

Video-as-a-Sensor Technology Drives Safer Roadways

Aaron Meade, Bosh Security and Safety Systems

Connected Vehicles

Randy Johnson, Ver-Mac

Smart Pavement Management – Simple, Easy, Affordable, and Accurate Condition Rating Powered by AI

Atsushi Onishi, Central Nippon Expressway Company Limited

The Importance of Influencing Human Behavior in a Connected Vehicle and Smart City World

Tony Wheeler, Image Sensing System, Inc.

SESSION DESCRIPTIONS

THURSDAY, NOVEMBER 4

3:30 p.m. – 5:00 p.m.

TECHNICAL SESSION 4A, 4B, AND 4C

SESSION 4A: WORK ZONE ITS

Location: Lone Star Ballroom A1–2

SESSION SPONSOR



Session Moderator:

John Gianotti, Texas Department of Transportation

How to Get There: Standardized, Real-Time Work Zone Data to Improve Inter-Jurisdictional Coordination

Eliza Shaw, one.network

How to Crash and Probe Data Helped Identify Operational Improvements – Making a Difference in the Real World

Terri Johnson, INRIX

Automated Work Zone Speed Enforcement in Pennsylvania

Mahmood Shehata, RK&K

SESSION 4B: MULTI-MODAL TRANSPORTATION OPPORTUNITIES

Location: Lone Star Ballroom A3–4

Session Moderator:

Brendon Wheeler, North Central Texas Council of Governments

What Street Designers Need to Know about Transit

- *James Llama, Traffic Engineers, Inc.*
- *Yuhauna Mahmud, Houston METRO*

Detailed Sidewalk Data Collection and Analysis for People Walking and Biking within Montrose

Eleni Pappas, Traffic Engineers, Inc.

TxDOT Freight Network Technology and Operations Plan

Sherry Pifer, Texas Department of Transportation

SESSION 4C: DATA ANALYTICS

Location: Lone Star Ballroom C3–4

Session Moderator: *Minh Le, Texas A&M Transportation Institute*

Leveraging Video, ATSPM, and Crowd Sourced Data to Improve Safety and Operations

Kirk Houser, City of Frisco

Visualizing Transportation Data Using Business Intelligence Tools

Lance Ballard, Kimley-Horn

A System Approach to More Resilient Data Analytics in Texas

Leah Hanvey, UrbanLogiq

SESSION DESCRIPTIONS

FRIDAY, NOVEMBER 5

8:30 a.m. – 10:00 a.m.

TECHNICAL SESSIONS 5A, 5B, AND 5C

SESSION 5A: PERFORMANCE MEASUREMENT

Location: Lone Star Ballroom A1–2

SESSION SPONSOR



Session Moderator:

Marques Allen, Shrewsberry

Using Vehicle Trajectory Data to Solve Traffic Signal Operations and Safety Problems

Steve Remias, INRIX

An Overview of Uptime Requirements in Microwave Design

Rhett Westerman, Deep South Communications, LLC

Mobility Evaluation During Pandemic

Venu Madhav Kukkapalli, Transcend Engineers and Planners, LLC

SESSION 5B: SAFETY/VISION ZERO/END THE STREAK/ITS ON THE ROAD TO ZERO

Location: Lone Star Ballroom A3–4

Session Moderator:

Adam Kaliszewski, Texas Department of Transportation

Predicting Distracted-Affected Crashes Using Mobile Location Data

Sky Guo, Texas A&M University

Rebuilding Dallas Intersection Through State Safety Programs

Joseph Marchione, City of Dallas

Emerging and Ongoing Federal Safety Priorities

- *Amelia Hayes, FHWA Texas Division*
- *Stephen Ratke, FHWA Texas Division*

SESSION 5C: CONNECTED AND AUTONOMOUS VEHICLES, PART 2

Location: Lone Star Ballroom C3–4

Session Moderator:

Victor de la Garza, AECOM

The Importance of Integrating Micromobility and Autonomous Vehicle Technology

Corey Clothier, Stantec GenerationAV

Case Study: Leveraging Connected Vehicle Technology and Artificial Intelligence in Central Texas

Paul-Matthew Zamsky, Waycare

Expanding the Reach of Connected Vehicle Data Using the Connected Vehicle Data Framework

Lynne Randolph, Southwest Research Institute

Preparing for Louisiana's CAV Future

- *Luis Alvergue, Arcadis*
- *Paul Hsu, Arcadis*

SESSION DESCRIPTIONS

FRIDAY, NOVEMBER 5

10:30 a.m. – Noon

TECHNICAL SESSIONS 6A, 6B, AND 6C

SESSION 6A: INCIDENT MANAGEMENT AND SPECIAL EVENTS

Location: Lone Star Ballroom A1–2

SESSION SPONSOR



ARCADIS

Design & Consultancy
for natural and
built assets

Session Moderator:

Tom Fowler, Kimley-Horn

2021 Ice Storms: Impact on Traffic Incident Management and ITS

David McDonald, Texas Department of Transportation

TIM Planning from a Corridor Perspective: I-35 Capital Express

Dan Malsom, Kimley-Horn

City of Toronto Flood Mitigation Using Automated Access Control System

Marie-Claude Seguin, Versilis, Inc.

SESSION 6B: TRANSPORTATION SYSTEM MANAGEMENT AND OPERATIONS

Location: Lone Star Ballroom A3–4

Session Moderator:

Sean Merrell, BGE, Inc.

TSMO In TxDOT

Joe Hunt, Texas Department of Transportation

Understanding TSMO Benefits Through Data Analytics

- *Josh Hoffmann, HDR*
- *Nicole Jolly, HDR*

Equity in TSMO: An Oregonian Approach

Josh Peterman, Fehr & Peers

SESSION 6C: ARTERIAL TRAFFIC MANAGEMENT SYSTEMS (ATMS)

Location: Lone Star Ballroom C3–4

Session Moderator: *Brian Jahn, HR Green*

Transitioning to Cloud Based CMSS

Srinivasa Rao Veeramallu, City of Dallas

ATMS Network Cybersecurity Best Practice

Trevor Mabery, Moxa Americas Inc.

Applying Software Solutions for Proactive Traffic Signal System Operations and Management

Scott Carlson, Iteris

Noon – 1:30 p.m.

JOINT ITS TEXAS AND TexITE BUSINESS AND AWARDS LUNCHEON

Lone Star Ballroom B

2:00 p.m. – 4:00 p.m.

ITS TEXAS BOARD MEETING

Lone Star C2

PRE-MEETING EVENT DESCRIPTIONS

Paradigm Traffic Systems Sporting Clay Tournament

Date: Wednesday, November 3 • **Time:** 8:00 a.m. – 1:00 p.m.

Pre-registration required. Transportation to and from the facility is not provided.

EVENT SPONSORS



Location:

Elm Fork Shooting Sports
10751 Luna Rd.
Dallas, TX 75220



Schedule:

8:00 a.m. – 9:00 a.m.
Breakfast

9:00 a.m. – Noon
Sporting Clay Team Shooting

Noon – 1:00 p.m.
Lunch and Awards

Traffic Signal Operations Training

Date: Wednesday, November 3

Part 1: 9:00 a.m. – Noon

Part 2: 1:00 p.m. – 3:00 p.m.

Location: Lone Star Ballroom A3–4

Instructors: *Nader Ayoub and Allison Palumbo, Iteris*

Pre-registration required.

This class is intended to provide not only what values to use setting up your traffic signal timing program, but more importantly, why. Being able to visualize the operations of the controller through data has made a difference in how we program controllers now. This nuts-to-bolts traffic operations class has been updated to demonstrate and explain traffic operations concepts visually using high-resolution controller data. The class will start with basic timing concepts in the morning and progress to more complex advanced controller features in the afternoon. It will address both the safety as well as efficiency issues in traffic signal operations. There should be something for all who want to take the next steps in traffic signal operations.

ITS TRAINING SPONSOR



**walter
p moore**

Designing Streets for People Workshop

Date: Wednesday, November 3

Time: 9:00 a.m. – Noon

Location: Lone Star Ballroom B

Instructors: *Gary Schatz and Wade Odell, Texas Department of Transportation*

Pre-registration required.

This hands-on workshop will introduce participants to planning and design principles, techniques, and examples for creating multimodal streets which are safer for people of all ages and abilities and result in context-sensitive, people-centric, and inclusive places. Upon completion of the workshop, attendees will be able to: Demonstrate an empathetic understanding of the needs of people to travel both along and across streets regardless of age or ability or mode of travel; integrate safety and quality of life initiatives and applications into the basic thought processes of planning and design. Identify proven safety countermeasures and recognize the opportunities for their implementation; formulate and develop conceptual designs for multimodal, people-centric streets and roadway networks and articulate their need; and, showcase independent and creative thinking informed by state of the practice resources.

TEXTITE TRAINING SPONSOR



Stantec

PRE-MEETING EVENT DESCRIPTIONS

City of Dallas Traffic Management Center Tour

Date: Wednesday, November 3

Time: 9:00 a.m. – 11:30 a.m.

Meeting Location: Dallas Sheraton Hotel Lobby

Pre-registration required.

The City of Dallas has been working on upgrading its advance traffic management system since 2014 and finished all upgrades in 2021. Join us on the tour of Dallas' traffic management center to see and discuss the conversion to a modern system and some lessons learned during the process. We will also go on a field visit to see some of the equipment in action and discuss how these upgrades have helped the City to make smarter decisions.

McKinney Avenue Trolley and Barn Tour

Date: Wednesday, November 3

Time: 12:30 p.m. – 3:00 p.m.

Meeting Location: Dallas Sheraton Hotel Lobby

Pre-registration required.

Join us for a tour of the McKinney Avenue Trolley. MATA leadership will share the history, current operations, lessons learned, and future plans. Participants will get a tour of the line, the maintenance facility, and headquarters. The most recent thirty years of operation has been a model for future operations of this type. We look forward to you joining us on the Trolley!

Professional Ethics Seminar

Date: Wednesday, November 3

Time: 5:00 p.m. – 6:00 p.m.

Location: Lone Star Ballroom B

Moderator: *Wade Odell, Texas Department of Transportation*

Speakers: *Stephanie Buckingham and Kevin St. Jacques, Freese and Nichols, Inc.*

This seminar will meet the requirements of the Texas Board of Professional Engineers for ethics training. The seminar is free and will meet on Wednesday afternoon after the above workshops and before the vendor exhibit reception. There is no cost to attend the seminar and no pre-registration required.

TxDOT Statewide TSMO Planning Update

Date: Wednesday, November 3

Time: 3:00 p.m. – 4:30 p.m.

Meeting Location: Lone Star Ballroom B

The initial version of the TxDOT Statewide TSMO Strategic Plan was issued in August of 2017. The purpose of the Statewide TSMO Strategic Plan is to provide a framework for TSMO planning throughout the state. With every district either having completed their TSMO plan, or near completion, this update will cover the entire process. This presentation will include a roundtable from districts both metro and rural, consultants and TRF management. Join us as we cover why TSMO is important in both a day to day operations, and overall strategic perspective at TxDOT. There is no cost to attend the session and no pre-registration required.

Urban Traffic Safety Workshop - Analysis Tools and Approaches

Date: Wednesday, November 3

Time: 1:00 p.m. – 3:00 p.m.

Location: Lone Star Ballroom C3–4

Speaker: *Robert Wunderlich, Director of Center for Transportation Safety at Texas A&M Transportation Institute*

Pre-registration required.

The workshop will include a demonstration and review of a new Intersection Safety Analysis Tool created by TTI. The tool is design to be used by safety practitioners across Texas to examine intersection safety. The workshop will also cover the Safe Systems approach and include an opportunity stakeholder engagement for the Texas State Highway Safety Program (SHSP).

Wednesday Night Social "The Big Game"

Date: Wednesday, November 3

Time: 8:00 p.m. – Midnight

Location: Lone Star Ballroom B

Please join us for a Texas Hold'em poker tournament following the attendee reception. No experience necessary and there is no cost to join this friendly tournament. Snacks and drinks will be available.



SOCIAL SPONSOR



Location:
Gilley's Dallas
1135 South Lamar St.
Dallas, TX 75215

Shuttle Schedule:
Shuttles will be running continuously between the hotel and Gilley's.

First shuttle departs from hotel at 5:30 p.m. Last shuttle departs from Gilley's at 9:00 p.m.

Thursday Night Social

Date: Thursday, November 4
Time: 6:00 p.m. – 9:00 p.m.

Please join us for an evening of great food and fun at Gilley's. Gilley's provides a rustic elegant setting with a 3,000 sq. ft. balcony that shines under the lights of downtown. We will have games and activities for all as well as access to their speakeasy that features a touch of the 1920s and 30s mixed with a vintage warehouse aesthetic which features soft lounge furniture and community tables with stools capped off with an original skylight unique to the Schepps building. Come visit us in this very unique location and enjoy the night away.

TextITE Younger Members Late Night Social

Date: Thursday, November 4
Time: 9:00 p.m. – 11:30 p.m.
Location: City Tavern, 1514 Elm St., Dallas, TX 75201

Transportation: *City Tavern is an approximate 8 minute walk from the hotel.*

Come join us at the TextITE Younger Members Late Night Social following the Joint Meeting Thursday Night Social! We will also have engineering trivia and games for special prizes. This event will be a fun time for networking between professionals and a great way to catch up after over a year of remote work. All meeting attendees and guest are welcome!



Corpus Christi Omni Hotel
May 4–6, 2022



2022 SPRING MEETING

2022 ITS Texas Annual Meeting



 **September 28–30, 2022**
Embassy Suites • San Marcos, TX

EXHIBITORS

ITS Texas and TexITE gratefully acknowledge the commitment and support of the vendors who help make this joint meeting a success.

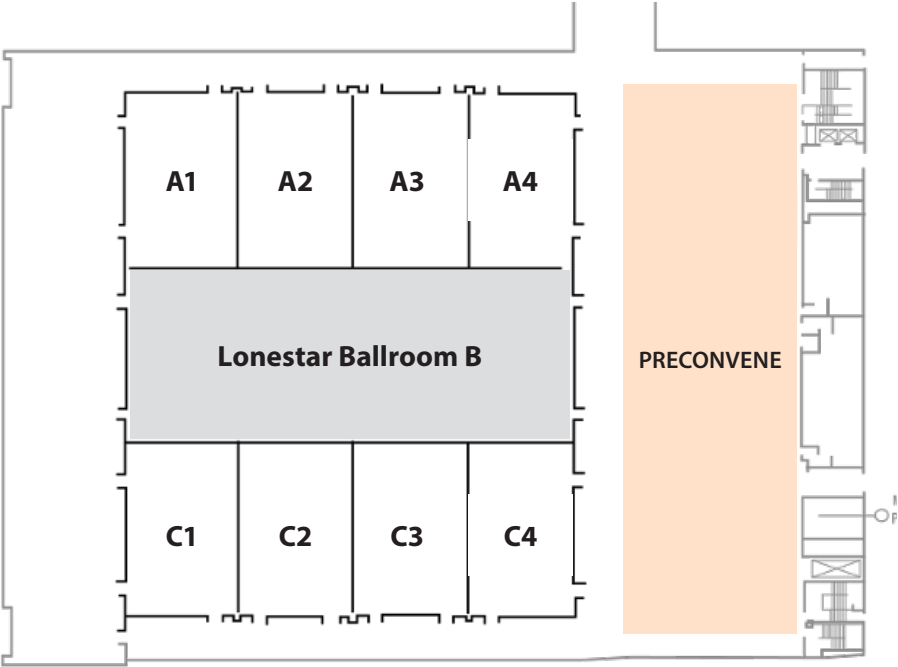
BOOTH	EXHIBITOR NAME
A1	Cisco
A2	Bosch Security System
A3	LaneLight Traffic
A4	Miovision
B1	ITS Plus, Inc.
B2	Numeric
B3	INRIX
B4	Antaira Technologies
C1	Versilis Systems Inc.
C2	Skyline Products
C3	One.network
C4	AM Signals LLC
D1	Consolidated Traffic Controls Inc.
D2	McCain
D3	360 Network Solutions
D4	Twincrest Technologies
E1	Iteris, Inc.
E2	Daktronics, Inc.
E3	ELTEC
E4	Valmont Industries, Inc.
E5/F5	Texas Highway Products
F1	Pelco
F3/F4	Mobotrex
G1/H1	Paradigm Traffic Systems
G2	WTI
G3	TrafficVision
G4	Oriux
G5	Ver-Mac
H2	Applied Information
H3	Image Sensing Systems, Inc
H4	JTS Johnston Technical Services, Inc.
H5	Tiger Traffic

BOOTH	EXHIBITOR NAME
J1	EtherWAN Systems Inc.
J2	Siemens RUGGEDCOM
J3	Lantronix
J4	Houston Radar LLC
J5	TTI
K1	B&B Roadway & Security
K2	Cubic, ITS
K3	UrbanLogiq
K4	Southern Manufacturing
K5	TAPCO
L1	GRAM NTX
L2	PedSafety
L3	ZincFive
L4	Hill & Smith, Inc
L5	K&K Systems Inc.
M1	LYT
M2	Pexco, Davidson Traffic Control Pods
M3	S2 Rentals and Sales LLC
M5	ComNet

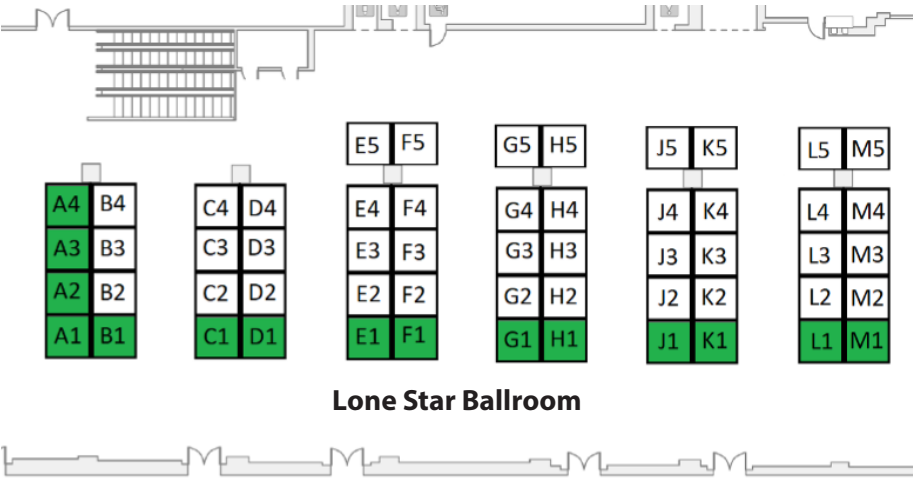


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