

2018 ITS Texas/TexITE Joint Meeting



November 7-9, 2018

Omni Houston Hotel

WEDNESDAY, NOVEMBER 7		
8:00 a.m. – 7:00 p.m.	Registration	<i>Post Oak Prefunction</i>
8:00 a.m. – 1:00 p.m.	Sporting Clay Shoot Tournament	<i>American Shooting Centers</i>
8:00 a.m. – 2:00 p.m.	2018 Pre-Conference Workshop, Session 1: Trafficware Training and City of Sugar Land TMC Tour	<i>Trafficware Headquarters and Sugar Land Traffic Management Center</i>
9:00 a.m. – 3:00 p.m.	2018 Pre-Conference Workshop: Connected Vehicle 201 – Preparing for Connected Vehicle Deployment	<i>Greenway Ballroom A</i>
10:00 a.m. – 5:00 p.m.	Vendor Setup	<i>Post Oak Ballroom and Prefunction</i>
11:00 a.m. – 5:00 p.m.	2018 Pre-Conference Workshop, Session 2: Trafficware Training and City of Sugar Land TMC Tour	<i>Trafficware Headquarters and Sugar Land Traffic Management Center</i>
2:30 p.m. – 3:30 p.m.	City of Sugar Land TMC Tour (Only)	<i>Sugar Land Traffic Management Center</i>
1:00 p.m. – 4:30 p.m.	TexITE Board Meeting	<i>Heights Boardroom</i>
1:30 p.m. – 4:00 p.m.	Bike Tour of Houston Greenways	<i>Hermann Park</i>
3:00 p.m. – 4:30 p.m.	TxDOT Statewide TSMO Planning Update	<i>Greenway Ballroom A</i>
5:00 p.m. – 6:00 p.m.	Professional Ethics Seminar	<i>Greenway Ballroom A</i>
6:00 p.m. – 8:00 p.m.	Vendor Reception	<i>Post Oak Ballroom and Prefunction</i>
8:00 p.m. – Midnight	Texas Hold'em Tournament	<i>Constellation Ballroom</i>
THURSDAY, NOVEMBER 8		
7:30 a.m. – 5:00 p.m.	Registration	<i>Post Oak Prefunction</i>
7:30 a.m. – 8:30 a.m.	Breakfast with Exhibitors	<i>Post Oak Ballroom & Prefunction</i>
7:30 a.m. – 7:30 p.m.	Exhibit Hall Open	<i>Post Oak Ballroom & Prefunction</i>
7:30 a.m. – 8:30 a.m.	TexITE Roundabout Committee	<i>Museum Park Boardroom</i>
8:30 a.m. – 10:00 a.m.	Session 1: Opening Plenary Session	<i>Constellation Ballroom</i>
9:00 a.m. – 11:30 a.m.	TexITE Board Meeting (if necessary)	<i>Heights Boardroom</i>
10:00 a.m. – 10:30 a.m.	Break with Exhibitors	<i>Post Oak Ballroom & Prefunction</i>
10:30 a.m. – Noon	Technical Session 2A	<i>Greenway Ballroom A</i>
10:30 a.m. – Noon	Technical Session 2B	<i>Greenway Ballroom B</i>
Noon – 1:30 p.m.	Kickoff Luncheon	<i>Constellation Ballroom</i>
1:30 p.m. – 3:00 p.m.	Technical Session 3A	<i>Greenway Ballroom A</i>
1:30 p.m. – 3:00 p.m.	Technical Session 3B	<i>Greenway Ballroom B</i>
3:00 p.m. – 3:30 p.m.	Break with Exhibitors	<i>Post Oak Ballroom & Prefunction</i>
3:00 p.m. – 3:30 p.m.	Student Poster Session	<i>Prefunction</i>
3:30 p.m. – 5:00 p.m.	Technical Session 4A	<i>Greenway Ballroom A</i>
3:30 p.m. – 5:00 p.m.	Technical Session 4B	<i>Greenway Ballroom B</i>
6:00 p.m. – 9:00 p.m.	2018 Joint Meeting Social: A Night at the Aquarium	<i>Downtown Aquarium</i>
9:00 p.m. – 11:30 p.m.	Younger Members Late Night Social	<i>Pitch 25 Beer Park</i>
FRIDAY, NOVEMBER 9		
7:30 a.m. – Noon	Registration	
7:30 a.m. – 10:30 a.m.	Exhibit Hall Open	
7:30 a.m. – 8:30 a.m.	Breakfast with Exhibitors	
8:30 a.m. – 10:00 a.m.	Technical Session 5A	<i>Greenway Ballroom A</i>
8:30 a.m. – 10:00 a.m.	Technical Session 5B	<i>Greenway Ballroom B</i>
10:00 a.m. – 10:30 a.m.	Break with Exhibitors	
10:00 a.m. – 10:30 a.m.	Student Poster Session	<i>Prefunction</i>
10:30 a.m. – Noon	Technical Session 6A	<i>Greenway Ballroom A</i>
10:30 a.m. – Noon	Technical Session 6B	<i>Greenway Ballroom B</i>
Noon – 2:00 p.m.	Business and Awards Luncheon	<i>Constellation Ballroom</i>
2:00 p.m. – 4:30 p.m.	TexITE Student Leadership Forum	<i>Heights Boardroom, Museum Park Boardroom, and Greenway A</i>
2:00 p.m. – 4:00 p.m.	ITS Texas Board Meeting	<i>Shady Acres Board Room</i>

HOWDY! WELCOME AND THANK YOU for being a part of this special joint meeting between ITS Texas and TexITE. We appreciate your participation in this conference and we hope that the expertise and experiences offered at the training and technical sessions will give each of you ideas to improve the safety and operations of our transportation system in Texas. 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 Texas Highway Products Group and ITS Texas evening vendors reception and a TexITE tradition — the Texas Hold'em Poker Tournament in one action packed first day.

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 highlights of two Texas-size projects from HCTRA and TxDOT, and an update from ITS America on the latest in technology, mobility and what's happening in Washington, D.C.

We are proud to announce that we will be joined by State Representative Dennis Paul, P.E. as keynote speaker at our kickoff luncheon on Thursday. Representative Paul will be followed by an afternoon of great technical sessions and our Thursday evening social event at the Downtown Aquarium. We end the evening with a bit of late-night fun with the Younger Members (and younger members at heart) at Pitch 25 in EaDo.

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 2018 ITS Texas President,
Tony Voigt*

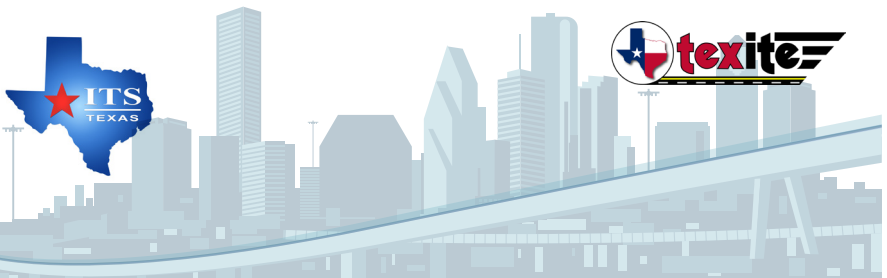
*Your 2018 TexITE President,
Brian Moen*

Local Arrangements Committee:

Marian Thompson, Vice President, ITS Texas



Manu Isaac, Vice President, TexITE

Zina Schwartz, Greater Houston Section Representative, TexITE



SESSION DESCRIPTIONS

WEDNESDAY, NOVEMBER 7

8:00 a.m. – 1:00 p.m.	Sporting Clay Shoot Tournament
Location: American Shooting Ctr.	
8:00 a.m. – 2:00 p.m.	Trafficware Controller Training and City of Sugar Land TMC Tour (Session 1)
Location: Trafficware HQ	
9:00 a.m. – 3:00 p.m.	Connected Vehicles 201, presented by ITS America and USDOT/FHWA
Location: Greenway Ballroom A	
2:30 p.m. – 3:30 p.m.	City of Sugar Land TMC Tour (Only)
Location: Sugar Land TMC	
11:00 a.m. – 5:00 p.m.	Trafficware Controller Training and City of Sugar Land TMC Tour (Session 2)
Location: Trafficware HQ	
3:00 p.m. – 4:30 p.m.	TxDOT Statewide TSMO Planning Update
Location: Greenway Ballroom A	Marco Cameron, TxDOT TRF
5:00 p.m. – 6:00 p.m.	Professional Ethics Seminar <i>presented by the Texas Board of Professional Engineers</i>
Location: Greenway Ballroom A	Session Moderator: Manu Isaac, Kimley-Horn Rick Valdes, Texas Board of Professional Engineers
6:00 p.m. – 8:00 p.m.	ADVANCED TRAFFIC SOLUTIONS/FOURTH DIMENSION VENDOR RECEPTION
Location: Constellation Ballroom	
<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: black; color: white; padding: 5px; margin-right: 10px;">RECEPTION SPONSOR</div> <div style="text-align: center;">   </div> </div>	
8:00 p.m. – Midnight	Texas Hold'em Tournament
Location: Constellation Ballroom	

2018 ITS Texas Board

President	Tony Voigt
Vice-President	Marian Thompson
Treasurer	Tom Fowler
Secretary	Joseph Hunt
Past President	Dave Carter
Director	Alex Power
Director	Victor De la Garza
Director	Lester Miyasaki
Director	Marques Allen

2018 TexITE Board

President	Brian Moen
Vice-President	Manu Isaac
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Greater Dallas Section Rep	David Halloin
Greater Houston Section Rep	Zina Schwartz
Greater Fort Worth Section Rep	Erin Eurek
South Texas Section Rep	Justin Clark

SESSION DESCRIPTIONS

THURSDAY, NOVEMBER 8

7:30 a.m. – 8:30 a.m.

Breakfast with Exhibitors

Location: Post Oak Ballroom and Prefunction

8:30 a.m. – 10:00 a.m.

SESSION 1: CONNECTING OUR COMMUTE FOR THE FUTURE

Location: Constellation Ballroom

WELCOME AND OPENING PLENARY SESSION

Session Moderators:

Tony Voigt, Gradient Group, LLC

Brian Moen, City of Frisco

Ship Channel Bridge Project

John Tyler, Harris County Toll Road Authority

North Houston Highway Improvement Project

Varuna Singh, Texas Department of Transportation, Houston District

ITS America Update

Shailen Bhatt, ITS America

SESSION SPONSOR

Kimley»Horn

10:30 a.m. – Noon

TECHNICAL SESSIONS 2A and 2B

SESSION 2A: POTPOURRI

Location: Greenway Ballroom A

SESSION SPONSOR



Session Moderator:

Sharmon Owens, City of Lubbock

This session features presentations that were just too good to leave off the program, but didn't quite fit into the other TexITE sessions. Focusing on signing timing, communications and operations during weather events, speakers will present timely information on important recent projects.

Lubbock's TMC/ATMS & Communications Network

Will Cummings and **David Bragg**,
City of Lubbock

Diamond Signal Timing – Recent Advancements

Gerry deCamp, KBH Traffic

Transportation System Resilience to Extreme Weather

Charlie Stevens, Stevens Technical Services

Novel Operations Approach to LRT Timing

Fred Mills, City of Houston

SESSION 2B: ITS PROJECT PLANNING AND TSMO

Location: Greenway Ballroom B

SESSION SPONSOR

SIEMENS

Ingenuity for Life

Session Moderator:

Alex Power, Texas Department of Transportation

Moving operations and technology into project planning, development and implementation lifecycle will be a considerable focus over the next several years. This session will present several speakers that are planning for TSMO projects or delivering them for the benefit of the traveling public.

A Data Driven Approach to Smart Planning: TxDOT Fort Worth ITS Master Implementation Plan

Koushik Arunachalam, Arcadis

Development of a Roadway Flood Warning System for the Houston Metro Region

Dinah Massie, Houston TranStar

Using Big Data to Help the TSMO Planning Process – 511DFW Developments

Matthew Juckes, Kapsch

Bridging TSMO and ADM: A Transportation Balancing Act

Brenda Bustillos, TxDOT Houston

SESSION DESCRIPTIONS

THURSDAY, NOVEMBER 8

Noon – 1:30 p.m.

KICKOFF LUNCHEON

Location: Constellation Ballroom

Session Moderators:

Tony Voigt, Gradient Group, LLC

Brian Moen, City of Frisco

Keynote Speaker:

Rep. Dennis Paul, Texas House of Representatives, District 129 (Houston)

1:30 p.m. – 3:00 p.m.

TECHNICAL SESSIONS 3A and 3B

SESSION 3A: INNOVATIVE INTERSECTIONS/ROUNDBOUTS

Location: Greenway Ballroom A

SESSION SPONSOR



ARCADIS

Design & Consultancy
for natural and
built assets

Session Moderator:

Susanna Set, Midtown Engineering

Accidents occurring at intersections contributed over 50% of all reported crashes. Innovative intersections, such as diverging diamond intersections (DDI), Superstreets along with roundabouts are designed to improve safety for all users. How can we, as transportation professionals, help the general public to understand that these “unusual” designs can improve safety and efficiency. This session will focus on projects around the Country.

Opportunities for More DDIs

Gilbert Chlewicki, ATS

Texas First “Queue Cutter” Signal Near RR

Hiron Fernando, Kimley-Horn

FM 2818 Superstreet: Transforming a “Parking Lot” into a Thoroughfare

Brad Brimley, Binkley & Barfield

Transforming a FM Road in Bryan

Gary Schatz, Mobility Planning and Engineering

SESSION 3B: TECHNOLOGY SHOWCASE

Location: Greenway Ballroom B

SESSION SPONSOR

SIEMENS

Ingenuity for life

Session Moderator:

Lester Miyasaki, WTI

This fast paced session gives vendors and exhibitors the opportunity to feature their newest products and technology in practical terms as they highlight deployment projects in Texas and throughout the United States. Come learn more about the tools of the trade, and more importantly how they have been used to increase levels of safety and mobility for travelers.

Speakers:

Marie Seguin, Versilis Inc.

Clara Alacon, Intuicom

Avery Quayle, Activu Corp.

Craig Anderson, Live Traffic Data Corp.

Steve Frank, EtherWAN Systems, Inc.

Vipin Malik, Houston Radar

Jeff McAleer, Zinc Five

Roger Yue, MOXA

Leah Hanvey, Urban Logiq

Darold R. Cherry, Texas Highway Products

Ray Keys, Trafficvision

Brent Isenberg, Skyline Technology Solutions



**2019 Annual Meeting
and Exhibit**

July 21–24, 2019

Hilton Austin and Hilton Garden Inn • Austin, TX

SESSION DESCRIPTIONS

THURSDAY, NOVEMBER 8

3:30 p.m. – 5:00 p.m.

TECHNICAL SESSIONS 4A and 4B

SESSION 4A: INCIDENT MANAGEMENT/ TRAFFIC SAFETY

Location: Greenway Ballroom A

SESSION SPONSOR



Session Moderator:

Cameron Williams, Binkley & Barfield, Inc.

Safety is for all including pedestrian, cyclists, and motorist and it takes everyone working together on this journey to Vision Zero. Safety begins at the planning stages and continues through implementation. Join us as we look at challenges facing agencies and practitioners, learn about tools and techniques available for analyzing crashes and conditions, and see how new techniques and technologies are being used today to increase safety on our transportation system.

Frisco's Closest to Dispatching System
Brian Moen, City of Frisco

Practitioners Use of HSM for Crash Analysis
Michael Trueblood, WSP

FHWA's Safety Countermeasures and Every Day Counts
Stephen Ratke, FHWA Texas

Understanding Dallas District Pedestrian Issues
Minh Le, Texas A&M Transportation Institute

SESSION 4B: ADVANCED TRAFFIC MANAGEMENT SYSTEMS (ATMS)

Location: Greenway Ballroom B

SESSION SPONSOR



Session Moderators:

Marques Allen, HDR

Victor De la Garza, Walter P Moore

Early deployments of ITS along the freeway systems are moving into the maintenance phase and the focus is now shifting to the deployment of ITS along arterial roadways. While some commutes do not involve freeways, nearly all commutes include travel on arterials. Due to multiple jurisdictions, management of arterials is typically less seamless than freeway management. This session will cover examples of how ITS is being used on city streets.

Sugar Land Intelligent Transportation System
Robert Valenzuela, City of Sugar Land

The World According to Garth... Experiences in Adaptive Control
Matthew Johnson, City of Baytown

A City of Commuters: Traffic Management Center Working for Its Residents
Kevin Cummings, City of Missouri City

Getting the Most Out of Your ATMS Data
Brian D. Van De Walle, City of Austin

TexITE Spring Meeting



St. Anthony Hotel, San Antonio TX
April 15–17, 2019

SESSION DESCRIPTIONS

FRIDAY, NOVEMBER 10

8:30 a.m. – 10:00 a.m.

TECHNICAL SESSIONS 5A and 5B

SESSION 5A: COMPLETE STREETS

Location: Greenway Ballroom A

SESSION SPONSOR



Session Moderator:

Kevin St. Jacques, Freese & Nichols

Complete Streets are designed streets for all users. They enable safe access for pedestrians, bicyclists, motorists and transit riders of all ages and abilities. Implementing Complete Streets means agencies changing their approach to roadway facilities by directing their transportation planners and engineers to design and operate the entire right of way to enable safe access for all users.

Conversion of a 1-way Couplet to 2-way in Victory Park, Dallas

Scott Booth, Halff Associates

Bagby Street – Weather Resilience Through Complete Streets Approach

Lee Anne Dixon, Walter P Moore

University Drive in College Station's Urban Core

James Robertson, Lee Engineering

Austin Street Design Guide – Halfway to Complete Streets

Jeff Whitacre, Kimley-Horn

Ben Wilson Street in Victoria, Texas

Kevin St. Jacques, Freese & Nichols

SESSION 5B: CONNECTED/AUTOMATED VEHICLES

Location: Greenway Ballroom B

SESSION SPONSOR

SIEMENS

Ingenuity for life

Session Moderators:

Tom Fowler, Kimley Horn

Dave Carter, Stantec

Connected and automated vehicles (CV/AV) offer tremendous promise for safety and mobility improvements. As technology quickly advances, one challenge for public sector agencies is how to prepare for and implement programs to take advantage of what CV/AV has to offer. In this session we'll hear from three public agencies in Texas about what they are doing today to realize tomorrow's promise of CV/AV.

City of Frisco AV Deployment with Drive.ai

Kerin Smith, City of Frisco

Conway Chen, Drive.ai

Texas Cooperative and Automated Transportation Initiatives

Jianming Ma, TxDOT Traffic Safety Division

Austin's New Mobility Office CV/AV Initiatives

Jorge Riveros, City of Austin

**2019 ITS Texas
Annual Meeting**



**Omni Las Colinas, Irving, TX
November 13–15, 2019**



SESSION DESCRIPTIONS

FRIDAY, NOVEMBER 10

10:30 a.m. – Noon

TECHNICAL SESSIONS 6A and 6B

SESSION 6A: MULTI-MODAL TRANSPORTATION

Location: Greenway Ballroom A

SESSION SPONSOR



Session Moderator:

Gary Thomas, Kittleson, LLC

A trip from A to B, using multiple means, is regularly used by travelers every day. In this session, presenters will share their experiences in planning and delivering transportation services outside of the SOV, using shared services and new dedicated facilities to do so.

TSU Automated Shuttle Transit Connector

Sam Lott and Carol Lewis, Texas Southern University

Uptown BRT Project Houston

Ramesh Gunda and Mohan Atluri, Gunda Corp

Transit Agency Implementation of TNC Service and Other Alternative Delivery Methods

Jim Cline, Former DCTA President

Mueller Development – Multi-modal Transportation

Patrick Benedict and Rashed Islam, HDR Inc.

SESSION 6B: PERFORMANCE MEASURES/BIG DATA

Location: Greenway Ballroom B

SESSION SPONSOR



Session Moderators:

Marian Thompson, NCTCOG

Joe Hunt, TxDOT

The use of data to plan, deliver and optimize transportation systems and networks has become pervasive in the past few years. In this session, presenters will provide examples of how big data streams can result in better operations which result in better user experiences on the transportation networks. Data, particularly when blending disparate streams, can be a powerful change agent to deliver transportation services.

Signal Performance Measures in Traffic Signal Operations

Nader Ayoub, Iteris

Waze Integration (City Services in the Age of Crowdsourcing)

Doug Gideon, City of Fort Worth

Data Lake and Analytics at TxDOT

Cassie Jordan, TxDOT IMD

TSMO Analytics for Texas: An Overview of Newly Available Tools

Michael Pack, University of Maryland

Noon – 2:00 p.m.

JOINT ITS TEXAS and TexITE BUSINESS LUNCHEON

Location: Constellation Ballroom

Session Moderators:

Tony Voigt, Gradient Group, LLC

Brian Moen, City of Frisco

Business Meeting Items

- Treasurer's Report
- Student Chapter Updates
- Scholarship Awards
- Project and Individual Awards
- Officer Election Results

2:00 p.m. – 4:00 p.m.

ITS Texas Board Meeting

Location: Shady Acres Board Room

2:00 p.m. – 2:30 p.m.

TexITE Student Leadership Forum: Mock Interviews

Location: Heights Boardroom and the Museum Park Boardroom

2:30 p.m. – 4:30 p.m.

TexITE Student Leadership Forum: Student Poster Competition

Location: Greenway A

PRE-CONFERENCE WORKSHOPS

Connected Vehicle 201 – Preparing for Connected Vehicle Deployment

Date: Wednesday, November 7

Time: 9:00 a.m. – 3:00 p.m., with an hour and a half break for lunch on your own

Location: Greenway Ballroom A

Moderator: Alex Power, TxDOT

The purpose of this course is to help transportation agencies that are beginning to plan implementation of a connected vehicle (CV) environment and teach participants how to develop an action plan in collaboration with regional partners to improve readiness for CV deployment. Participants will learn more about the safety, mobility, and applications and will gain an overview of three CV pilot sites in Wyoming, New York City, and Tampa. They will also learn how to identify funding sources for a CV projects. Lastly, they will be made aware of recent activities supported by the ITS Joint Program Office and resources available from the CV research program sponsored by the U.S. DOT.

ITS TRAINING SPONSOR



Trafficware Controller Training and City of Sugar Land Traffic Management Center (TMC) Tour

Date: Wednesday, November 7

First Session: 8:00 a.m. – 2:00 p.m.

Second Session: 11:00 a.m. – 4:30 p.m.

Location: Trafficware, 522 Gillingham Lane, Sugar Land, TX 77478

Shuttle Schedule: Session 1 Hotel pick-up at 7:00 a.m.; Session 2 Hotel pick-up at 10:00 a.m.; TMC Tour Hotel pick-up 1:30 p.m.

TMC Tour Only: 2:30 p.m. – 3:30 p.m.

Location: Sugar Land TMC/Public Works, 111 Gillingham Ln, Sugar Land, TX 77478

Speaker: Tom Gerrity, Senior Traffic Engineer, Trafficware

Learn about Trafficware's new Smart City ready, COMMANDER™ Advanced Traffic Controller and Trafficware's new SCOUT controller firmware. This hands on workshop and cover controller functionality, advanced firmware capabilities and demonstrate modern signal control scenarios. Attendees will be working with controllers utilizing Trafficware's latest controller software.

Attendees will tour the 100,000 square-foot facility where all Trafficware products are designed, engineered, and manufactured.

TEXITE TRAINING SPONSOR



TxDOT Statewide TSMO Planning Update

Date: Wednesday, November 7

First Session: 3:00 p.m. – 4:30 p.m.

Location: Greenway Ballroom A

Speaker: Marco Cameron, TxDOT (TRF)

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. In the fall of 2018 TxDOT executed four professional engineering consultant services contracts to provide assistance with the tasks associated with developing district and regional level TSMO plans, and with further mainstreaming TSMO at the division level. This presentation will summarize the scope of work in the contracts as well as the process that has been established to assign and execute the work.

Professional Ethics Seminar

Date: Wednesday, November 7

First Session: 5:00 p.m. – 6:00 p.m.

Location: Greenway Ballroom A

Moderator: Manu Isaac, Kimley-Horn and Associates

Speaker: Rick Valdez, Investigator VI, Texas Board of Professional Engineers

This presentation is a general update for the practice of engineering in the state of Texas as well as a refresher of ethics related topics. It includes information on recent Board actions, recent or pending rule and legislative changes and any other issues that may affect the profession. Attendance of this presentation (in person or through webinar) meets the annual continuing education requirement for ethics-related training.

Sporting Clay Shoot



Date: Wednesday,
November 7

Schedule:

8:00 a.m. – 9:00 a.m.
*Registration, Warm-up
Shooting, Breakfast*

9:00 a.m. – 11:00 a.m.
*Sporting Clay Event Team
Shooting*

11:00 a.m. – 1:00 p.m.
Lunch and Awards

Location:

American Shooting Centers
16500 Westheimer Pkwy
Houston, Texas 77082
(281) 556-8199, Option 4

TextITE Younger Members Late Night Social

Date: Thursday, November 8

Time: 9:00 p.m. – 11:30 p.m.

Transportation: Shuttle available until midnight between the Aquarium, the Omni, and Pitch 25.

This year the Younger Members Committee will host the late-night social for all members at Pitch 25, a soccer themed beer garden located in Houston's trendy EADO district. Pitch 25 has games for you to try including shuffleboard, skee ball, foosball, corn hole, and even an indoor soccer field! This event will be a fun time for you to join us and network with other professionals.

**Pitch 25
Beer Park**
2120 Walker St.
Houston, TX 77003

2018 Joint Meeting Social: A Night at the Aquarium



Downtown Aquarium
410 Bagby St.
Houston, TX 77002

Date: Thursday, November 8

Time: Arrive at 6:00 p.m.

Location: Downtown Aquarium

Shuttle Schedule: Hotel pickup from 5:15 p.m. to 6:30 p.m. and then leaving from the Aquarium back to the hotel from 8:00 p.m. to 9:30 p.m.

Please join us for an evening of great food and fun at the Downtown Aquarium. The Downtown Aquarium is the product of redeveloping two downtown Houston landmarks — Fire Station No. 1 and the Central Waterworks Building. This magnificent six-acre entertainment and dining complex is a 500,000-gallon aquatic wonderland, home to over 200 species of aquatic life from around the globe.

Adventure passes can be purchased for a discounted price of \$14.95. It includes unlimited rides and access to the exhibits, sting-ray reef, and the iconic Aquarium Ferris Wheel.

Live entertainment for the evening will be Texas Swing Unlimited playing Western Swing music led by TextITE's very own Jay Morris.

SOCIAL SPONSOR

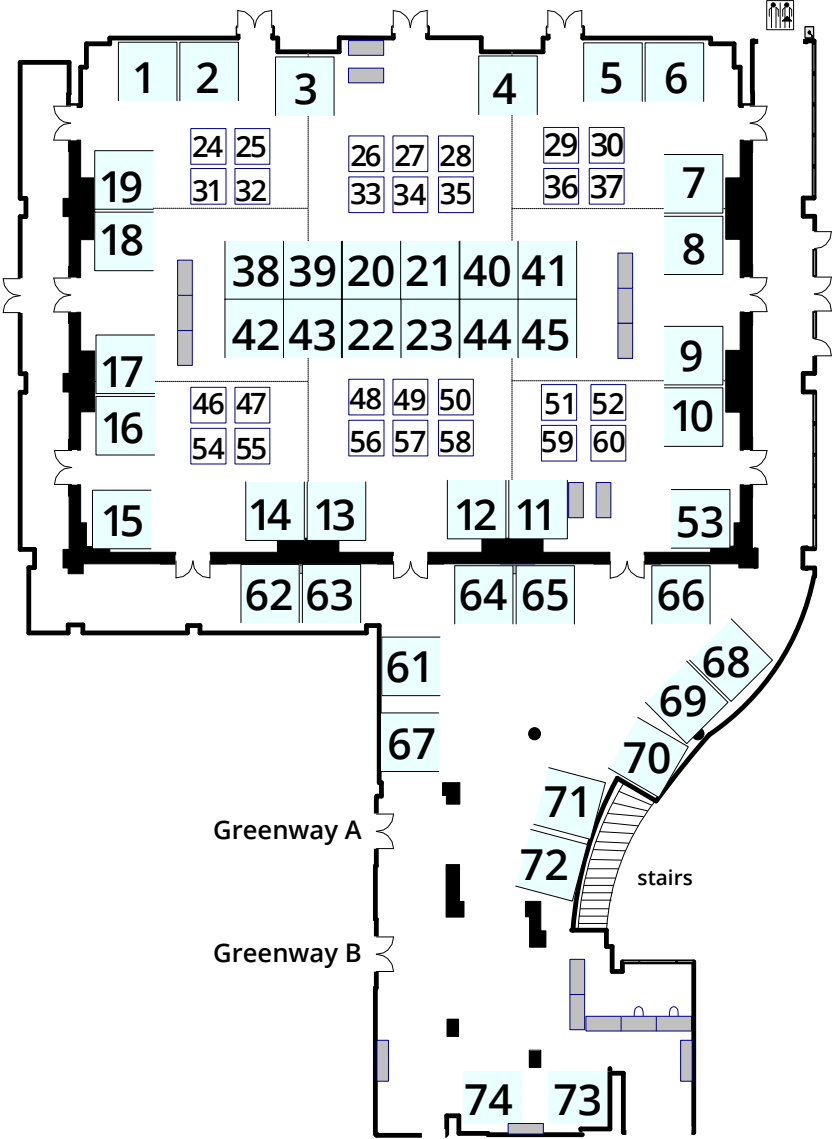


EXHIBITORS

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

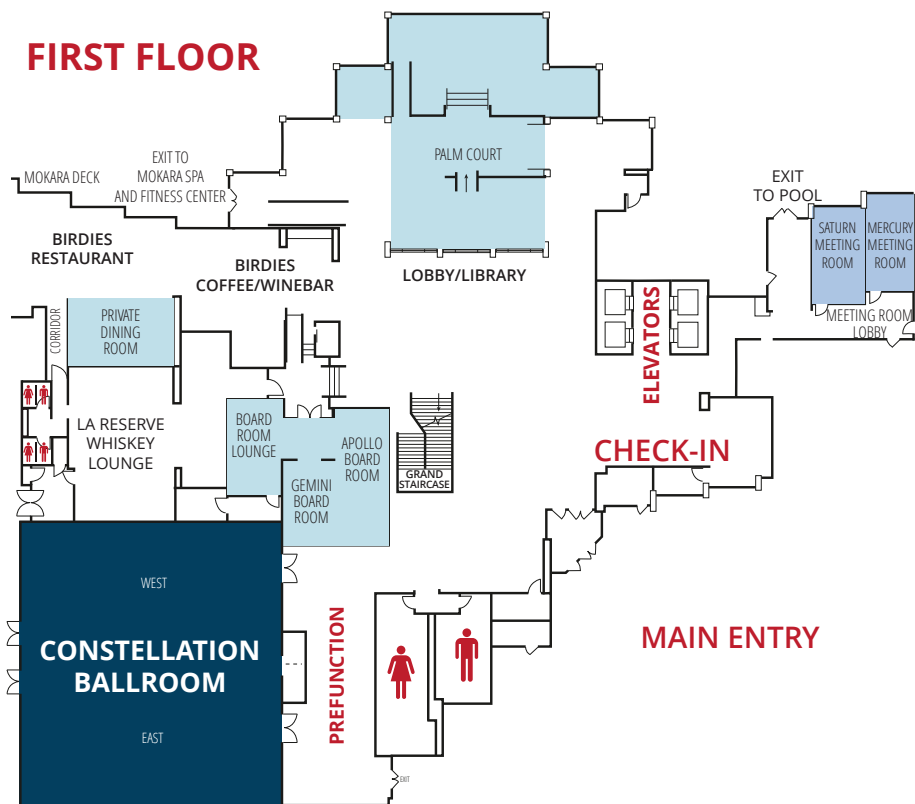
BOOTH	EXHIBITOR NAME	BOOTH	EXHIBITOR NAME
1	Marr Traffic Data Collection	40	EtherWAN Systems Inc.
2	Consolidated Traffic Controls, Inc.	41	Skyline Technology Solutions
3	Adaptive Micro Systems LLC	42	IndustrialEnet
4	JTS	43	Peek Traffic
5	Transition Networks	44	Moxa Americas Inc.
6	Hubbell Lenoir City/QUAZITE	45	Versilis, Inc.
7	Activu	46	Siemens Transportation
8	LaneLight ITEM Ltd.	47	Twincrest Technologies
9 & 10	MoboTrex, Inc.	48	Axis Communications
11 & 12	Trafficware, Ltd.	49	TAPCO
13	GRIDSMART Technologies Inc.	50	Wanco Inc.
14	Daktronics	51	Alpha Technologies
15	ITS Plus	52	Applied Information
16	All Traffic Solutions	53	Advanced Traffic Solutions, LLC
17	Houston Radar LLC	54	Traffic Logix
18	TrafficVision	55	Citel Inc.
19	Pelco Products	56 & 57	Texas Highway Products, LTD
20	Antaira Technologies	58	Wireless Technology, Inc.
21	Control Technologies, Inc.	59 & 60	Paradigm Traffic Systems, Inc.
22 & 23	Iteris, Inc.	61	Advantech B+B SmartWorx
24	Live Traffic Data	62	Eltec Corporation
25	Siqua	63	Parsons
26	K&K Systems, Inc.	64	Christie Digital
27	Wildcat Traffic Supply	65	Miovision
28	Zetron, Inc.	66	Ver-Mac
29	Skyline Products	67	ASCO Power Technologies
30	Intuicom, Inc.	68	Digital Traffic Systems, Inc.
31	APC by Schneider Electric	69	1 Click Traffic Analytics
32	Sensys Networks	70	Image Sensing Systems
33	MaxCell	71	American Signal Co.
34	Southwestern Section IMSA	72	Southern Manufacturing
35	Multilink	73	CATT Lab at University of Maryland
36	SES AMERICA	74	UrbanLogiq
37	McCain, Inc.		
38 & 39	Bosch Security Systems, Inc.		

Post Oak Ballroom & Pre-Function



HOTEL MAP

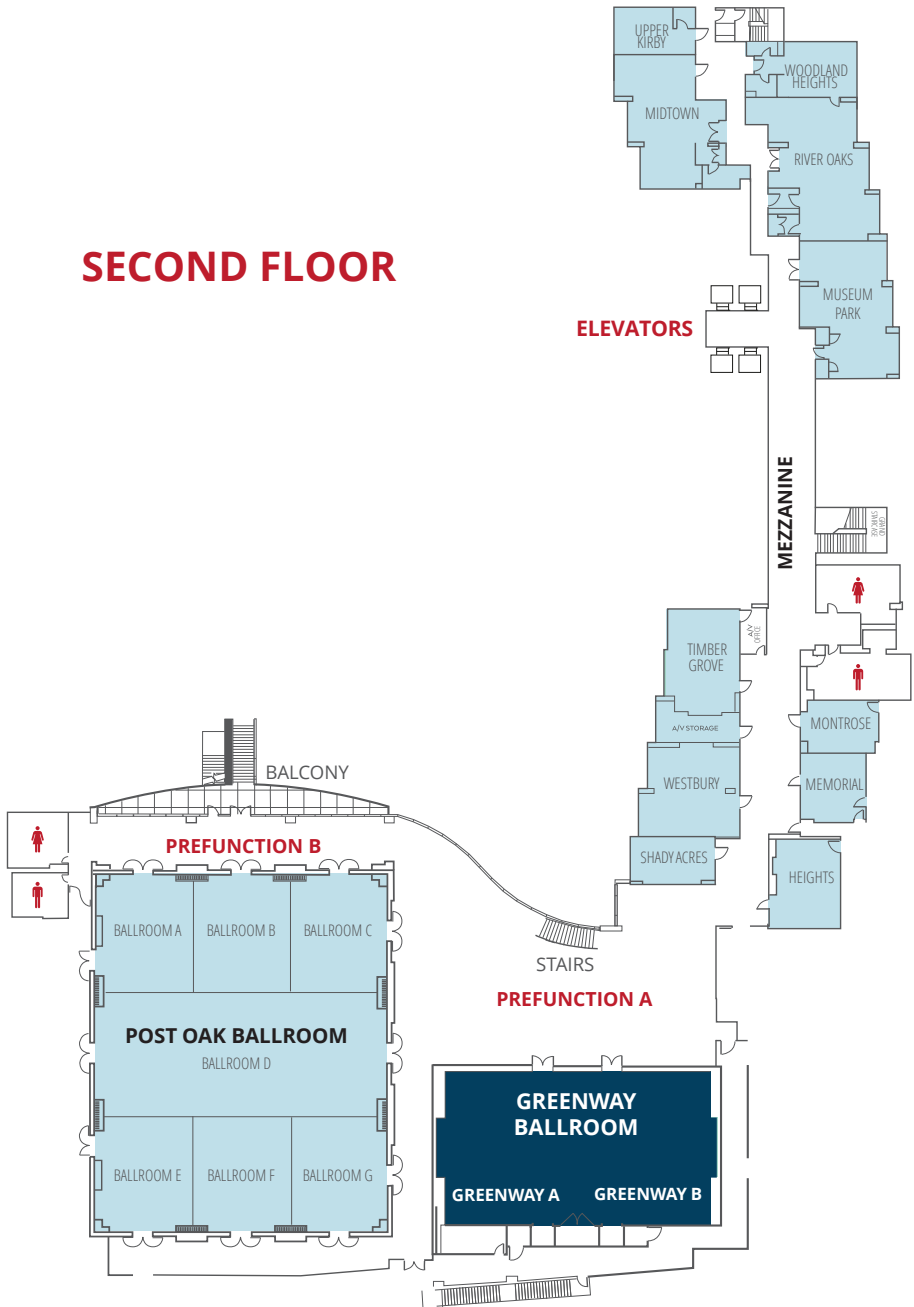
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Bike Tour of Houston Greenways

Date: Wednesday, November 7

Time: 1:30 p.m. – 4:00 p.m.

Location: Starts at the Omni

Join us for a slow, scenic group ride to enjoy some of Houston's best parks and greenways. Along the way, we'll hear from leaders of the Houston Parks Board and Memorial Park Conservancy about their efforts to improve the quality of life and multimodal transportation options in Houston. Our 10-mile route includes Memorial Park's living bridge and newly-opened Eastern Glades, Buffalo Bayou Park and associated greenways, and a remarkable view of Downtown Houston from the Rosemont Bridge. The ride will begin and end at Omni entrance. You can bring your own bike with you, or there will be a limited number of Houston's bikeshare bikes available (let us know if you'll need one!).



Texas Hold 'em Tournament

Date: Wednesday, November 7

Time: 8:00 p.m. – Midnight

Location: Constellation Ballroom

TexITE will be hosting a Texas Hold 'em Tournament on Wednesday evening following the Vendor Reception. Join in the game for fun and prizes. No experience necessary.

