



2017

texite

FALL MEETING

September 6-8

SAN MARCOS

We'd love your company.







Photo Credit: Iris Dimmick

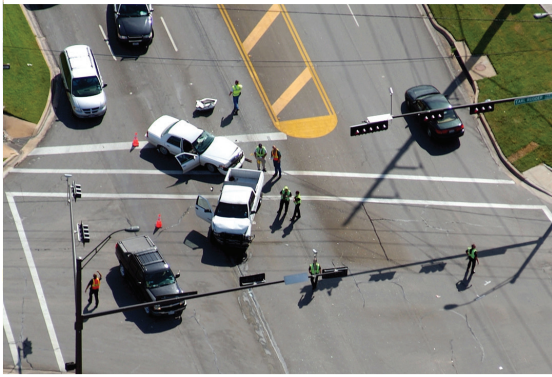
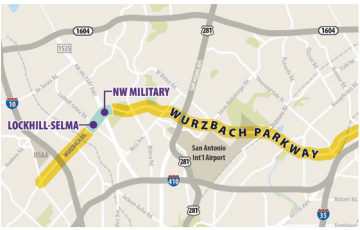
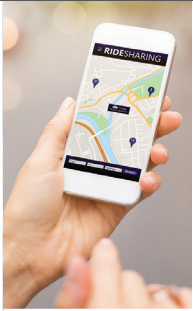
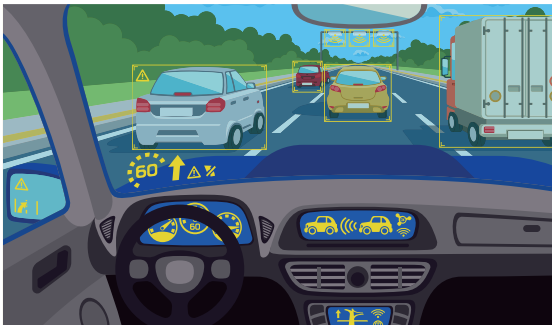


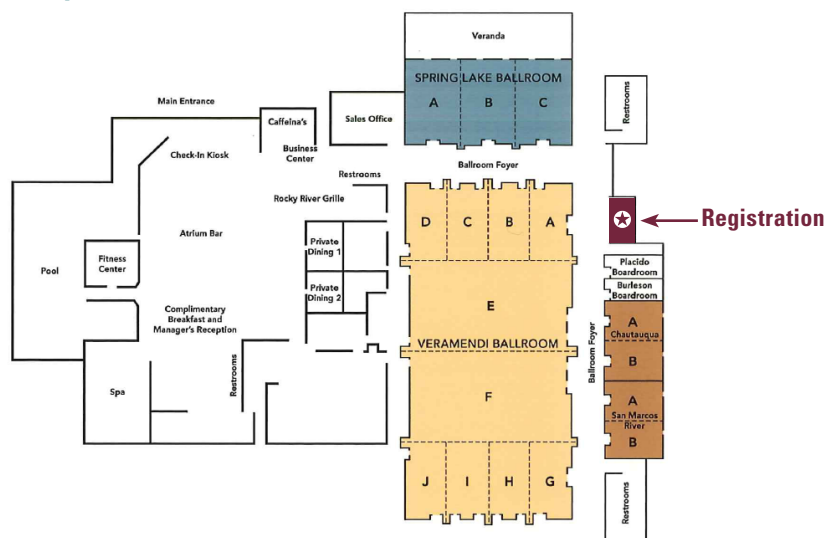
Photo Credit: Texas State Official



SCHEDULE at a glance

WEDNESDAY, SEPTEMBER 6		
5:00 a.m. – 2:00 p.m.	Fishing Tournament at Calaveras Lake	<i>Vans will leave at 5:30 a.m.</i>
8:00 a.m. – 7:00 p.m.	Registration Desk Open	<i>Veramendi Foyer</i>
8:00 a.m. – Noon	Workshop: HCM Multi-Modal Level of Service	<i>Veramendi C-D</i>
8:00 a.m. – 10:00 a.m.	Workshop: Intersection Control Evaluation	<i>Veramendi A-B</i>
10:00 a.m. – Noon	Technical Tour: San Marcos Displaced-Left Turn Interchange	<i>Bus leaves hotel at 10:30 a.m.</i>
10:00 a.m. – 5:00 p.m.	Highway Products Group Setup	<i>Veramendi F-J</i>
1:00 p.m. – 4:00 p.m.	Kayak Tour on the San Marcos River	<i>Bus leaves hotel at 12:45 p.m.</i>
1:00 p.m. – 5:00 p.m.	Workshop: Traffic Signal Operations for Innovative Intersections by Iteris	<i>Veramendi A-B</i>
1:00 p.m. – 5:00 p.m.	Workshop: Roundabout Training	<i>Veramendi C-D</i>
1:30 p.m. – 4:30 p.m.	District Board Meeting	<i>Burleson Boardroom</i>
2:00 p.m. – 4:00 p.m.	Technical Tour: Amazon Fulfillment Center	<i>Bus leaves hotel at 1:45 p.m.</i>
5:00 p.m. – 6:00 p.m.	Seminar: Professional Ethics	<i>Veramendi A-B</i>
6:00 p.m. – 8:00 p.m.	Highway Products Group Reception and Exhibits	<i>Veramendi F-J</i>
8:00 p.m. – Midnight	Texas Hold 'Em Poker Tournament	<i>Spring Lake A and B</i>

Embassy Suites San Marcos – Convention Center



SCHEDULE at a glance

THURSDAY, SEPTEMBER 7		
8:00 a.m. – 5:00 p.m.	Registration Desk Open	<i>Veramendi Foyer</i>
8:00 a.m. – 9:00 a.m.	New and Younger Members Meet and Greet with TexITE Leadership	<i>Veramendi A</i>
8:00 a.m. – 3:00 p.m.	Exhibit Hall Open (Breakfast Served until 10:30 a.m.)	<i>Veramendi F-J</i>
8:30 a.m. – 9:30 a.m.	Roundabout Committee Meeting	<i>Placido Boardroom</i>
8:30 a.m. – 9:30 a.m.	Transit Committee Meeting	<i>Burleson Boardroom</i>
9:30 a.m. – 11:30 a.m.	PLENARY SESSION 1	<i>Veramendi Ballroom B-C-D</i>
Noon – 1:15 p.m.	Kickoff Luncheon	<i>Veramendi Ballroom E</i>
1:30 p.m. – 3:00 p.m.	PLENARY SESSION 2	<i>Veramendi Ballroom B-C-D</i>
3:00 p.m. – 3:30 p.m.	Student Poster Session and Afternoon Break	<i>Veramendi F-J</i>
3:30 p.m. – 5:00 p.m.	SESSION 3 Session 3A: New Technologies in Transportation <i>Veramendi Ballroom A</i> Session 3B: ITS/Connected Vehicles/Autonomous Vehicles <i>Veramendi Ballroom B-C-D</i>	
5:30 – 9:00 p.m.	Thursday Night Social: Meadows Center at Texas State University	<i>Shuttle bus service to and from the hotel to the Meadows Center at Texas State will be provided until 9:00 p.m.</i>
9:00 p.m. – Midnight	Younger Members Event: Downtown San Marcos	<i>Transportation will be provided from downtown San Marcos to hotel hourly.</i>

FRIDAY, SEPTEMBER 8		
8:00 a.m. – Noon	Registration Desk Open	<i>Veramendi Foyer</i>
8:30 a.m. – 10:00 a.m.	SESSION 4 Session 4A: Complete Streets <i>Veramendi Ballroom A-B</i> Session 4B: Technology and Safety <i>Veramendi Ballroom C-D</i>	
10:00 a.m. – 10:30 a.m.	Student Poster Session and Afternoon Break	<i>Veramendi F-J</i>
10:30 a.m. – Noon	SESSION 5 Session 5A: Rail Issues <i>Veramendi Ballroom A-B</i> Session 5B: Innovative Intersections <i>Veramendi Ballroom C-D</i>	
Noon – 1:30 p.m.	Business Luncheon	<i>Veramendi Ballroom E</i>
1:30 p.m. – 5:00 p.m.	TexITE Student Leadership Summit	<i>Veramendi Ballroom A-B</i>

THURSDAY, SEPTEMBER 7

8:00 a.m. – 10:30 a.m. **Breakfast**
Sponsored by
Dynamic Vision Co., Inc. Veramendi F-J

9:30 a.m. – 11:30 a.m. **PLENARY SESSION 1** Veramendi
Ballroom B-C-D

Safety and Vision Zero

Moderated by **Brian Moen**, City of Frisco

- **Texas State Highway Safety Plan**
Darren McDaniel, Texas Department of Transportation
Robert Wunderlich, Texas A&M Transportation Institute
- **Austin Vision Zero Update**
Upal Barua and Amica Bose, City of Austin
- **San Antonio Vision Zero Update**
Rebecca Pacini, City of San Antonio

Noon – 1:15 p.m. **Kickoff Luncheon** Veramendi
Sponsored by **HDR Engineering,**
WSP USA, Stantec, Arcadis, Ballroom E
Lee Engineering, Traf-IQ, Inc., and
AIA Engineering
Welcome Speaker:
Jane Hughson, Mayor Pro-Tem, San Marcos City Council
Guest Speaker: Celia Israel, District 50 Representative

1:30 p.m. – 3:00 p.m. **PLENARY SESSION 2** Veramendi
Ballroom B-C-D

Austin/San Antonio Area Mobility

Moderated by **John Habermann**, Texas A&M Transportation Institute

- **Austin Area Mobility**
Ashby Johnson, Capital Area Metropolitan Planning Organization
- **San Antonio Area Mobility**
Sid Martinez, Alamo Area Metropolitan Planning Organization
- **VIA Vision 2040 Plan**
Brian Buchanan, VIA Transit

THURSDAY, SEPTEMBER 7 (continued)

3:00 p.m. – 3:30 p.m. **Student Poster Session and**
Afternoon Break Veramendi F-J

3:30 p.m. – 5:00 p.m. **CONCURRENT SESSIONS:**
3A AND 3B

3A: New Technologies in Transportation

Room: Veramendi Ballroom A

Moderated by **Linc Wright**,
AZTEC Engineers

- **Aclyca the Data Provider**
Derek Townsend, Sr., Control
Technologies, Inc.
- **Audible Pedestrian System —**
Actuating Intersections
Kevin Hanke, Pelco
- **Connected Solution**
Jeff O'Brian, Applied Information
- **Cloud-Based Signal Performance**
Measures — Easy to Implement,
Use and Manage
Bill Ische, TrafficWare

3B: ITS/Connected Vehicles/ Autonomous Vehicles

Room: Veramendi Ballroom B-C-D

Moderated by **Dharmesh Shah**,
Lee Engineering

- **Connected Vehicle Pilots in**
Austin, Texas
Jen Duthie, City of Austin
- **Connected Vehicle Wrong-Way-**
Driving Applications
Melisa Finley, Texas A&M
Transportation Institute
- **Automated Traffic Signal**
Performance Measures —
The College Station Experience
James Robertson, City of College
Station

FRIDAY, SEPTEMBER 8

8:30 a.m. – 10:00 a.m. **CONCURRENT SESSIONS:
4A AND 4B**

4A: Complete Streets

Room: Veramendi Ballroom A-B

Moderated by **Justin Clark**,
Pape-Dawson

- **City of Waco — 17th-8th-19th Street Corridor Study**
Kevin St. Jacques,
Freese and Nichols
- **SA Tomorrow Multimodal Transportation Plan: Getting There from Here**
Jillian Harris, City of San Antonio
- **Pedestrian Safety Considerations for Complete Streets**
Joel Meyer, City of Austin

4B: Technology and Safety

Room: Veramendi Ballroom C-D

Moderated by **Zina Schwartz**, AIA, Inc.

- **Smart Work Zones**
John Song, AECOM and
John Nevares, Texas Department
of Transportation
- **Unmanned Aerial Systems — Traffic Incident Management**
Charlie Stevens, Texas A&M
Transportation Institute
- **Statewide TSMO Strategic Plan**
Marco Cameron, Texas Department
of Transportation, and **Olivia Brey**,
Atkins

FRIDAY, SEPTEMBER 8 (continued)

10:00 a.m. – 10:30 a.m. **Student Poster Session and
Afternoon Break**

Veramendi F-J

10:30 a.m. – Noon **CONCURRENT SESSIONS:
5A AND 5B**

5A: Rail Issues

Room: Veramendi Ballroom A-B

Moderated by **Kevin St. Jacques**,
Freese and Nichols

- **Railroad Quiet Zones: How to Get It Done**
Kurt Anderson, CTC
- **Railroad Safety Initiatives and Funding**
Robert Travis, Texas Department of
Transportation
- **High-Speed Rail Houston-Dallas Update**
Texas Central Rail
- **Railroad Crossings — Design, Maintenance and Safety**
Tim Huya, BNSF Railway

5B: Innovative Intersections

Room: Veramendi Ballroom C-D

Moderated by **Norman Hogue**,
Dunaway Associates

- **Intersection Control Evaluations**
Jeff Shaw, Federal Highway
Administration
- **Evaluation of Innovative Designs at Wurzbach Parkway and NW Military/Lockhill-Selma in San Antonio**
Scott Armstrong, WSP USA
and **Richard De La Cruz**, Texas
Department of Transportation
- **Update on DLTs on I-35 in San Marcos**
Victor Vargas, Texas Department
of Transportation
- **Quadrant Roadway Intersection Case Studies**
Jonathan Reid, Arcadis

Noon – 1:30 p.m.

Business Luncheon
Sponsored by Arcadis

Veramendi
Ballroom E



**PROFESSIONAL DEVELOPMENT
HOURS**

See <https://www.texite.org/pdh> for more
information on Texas Board of Professional
Engineers (TBPE) requirements for professional
development hours.



1:30 PM **Opening Remarks**

1:40 PM **Transportation Hackathon** | *Courtesy Texas A&M University*

2:45 PM Networking Break

3:00 PM **Speed Interviews** | *Courtesy University of Texas at San Antonio*

4:00 PM Coffee Break

4:10 PM **Invited Guest Speakers** | *Courtesy University of Texas at Austin*

4:50 PM **Closing Remarks** | *Leslie Gonzalez, University of Texas at San Antonio*



KEYNOTE SPEAKER:
REP. CELIA ISRAEL, DISTRICT 50

Elected in January 2014, Celia Israel represents House District 50 in the Texas Legislature. She serves on the House Transportation and Elections Committees, focusing on congestion relief, public safety, multimodal innovation and making it easier for Texans to vote.

Rep. Israel also serves on the Transportation Subcommittee on Long-Term Infrastructure and Planning and the Select Committee on State Real Property Data Collect, Report and Assess. She is a member of the Legislative Study Group, the Innovation and Technology Caucus, the Women's Health Caucus, and the Mexican-American Legislative Caucus.

Raised in El Paso, TX, Rep. Israel moved to the Austin area in 1982 to attend the University Texas at Austin. After graduating with a degree in government, she served in Gov. Ann Richards's administration, tasked with recruiting the best and brightest to public service.

Rep. Israel has served on numerous boards and commissions, tackling issues such as Central Texas growth, food scarcity, school safety and the empowerment of young women.

In her first term in the legislature, Rep. Israel was named Freshman of the Year by the Legislative Study Group, a Champion of Equality by Equality Texas, and a Progressive Champion by Progress Texas. She is a licensed Texas Realtor who lives with her long-time partner, Celinda Garza, and their two dogs, Lucy and Kia, in northeast Travis County.



FISHING TOURNAMENT AT CALAVERAS LAKE

Wednesday, 5:00 a.m. – 2:00 p.m.

Join us for this fun networking event on the waters of Calaveras Lake. The event starts early in the morning. Transportation will be provided from the Embassy Suites to Calaveras Lake. Vans will begin loading at 5:00 a.m. and depart by 5:30 a.m.

Participants must pre-register before the event. Fishing participants will be limited to 20 attendees. Cost is \$75 per person.

Sponsored by Aztec Group, J Hensch, Consolidated Traffic Controls, Inc., Control Technologies, EtherWAN, Horizon Signal Tech, Iteris, Jones|Carter, MBO Engineering and Surveying, MBITS, Paradigm, Pelco, Sensys, Texas Highway Products, Twincrest, and Wireless Technologies Inc.

WORKSHOP: HCM MULTIMODAL LEVEL OF SERVICE

Wednesday, 8:00 a.m. – Noon

Multimodal LOS method is designed for evaluating “complete streets,” context-sensitive design alternatives, and smart growth from the perspective of all users of the street. The analyst can use the MMLOS method to evaluate the tradeoffs of various street designs in terms of their effects on the auto driver’s, transit passenger’s, bicyclist’s, and pedestrian’s perceptions of the quality of service provided by the street.

This workshop will focus on the application of the HCM Multimodal LOS module in the HCS. Workshop fee: \$25.

Instructor: Bill Sampson, McTrans Center

TECHNICAL TOUR: DISPLACED LEFT-TURN INTERCHANGES

Wednesday, 10:00 a.m. – Noon

San Marcos is home to not one but two displaced left-turn (DLT) interchanges. Explore the first DLT interchanges in Texas located at I-35/SH 80 and I-35/LP 82. Bring your walking shoes because this walking tour will provide an in-depth look at the DLTs including design, operational and maintenance challenges at the intersections. Buses begin loading at 10:15 a.m. and depart at 10:30 a.m.

The cost is free with the Intersection Control Workshop. \$10 for the tour only.

WORKSHOP: INTERSECTION CONTROL EVALUATION

Wednesday, 8:00 a.m. – 10:00 a.m.

The workshop will begin with an overview of various innovative intersection designs. The workshop will then demonstrate the intersection control evaluation (ICE) process by explaining how states generally conduct ICE, where ICE connects to other program-wide initiatives, and ICE tools. ICE procedures provide a two-stage, performance-based framework approach to evaluating and choosing intersection geometry and control from a large number of alternatives. Following completion of the workshop, participants will be able to tour two DLT interchanges in San Marcos. Workshop fee: \$25 with DLT tour included

Instructor: Jeff Shaw, FHWA



Photo Credit: Texas State Official

KAYAK TOUR ON THE SAN MARCOS RIVER

Wednesday, 1:00 p.m. – 4:00 p.m.

Discover the San Marcos River up close and personal. Join us for a kayaking tour of the San Marcos River. The tour will be an educational tour of the San Marcos River and its ecosystem.

The San Marcos River is a gentle river ride, but beginner white-water rapids are available if you want to try! Buses will leave the hotel at 12:45 p.m. and will return at 4:00 p.m. Cost is \$40 per person.

Sponsored by RPS Group



WORKSHOP: TRAFFIC SIGNAL OPERATIONS FOR INNOVATIVE INTERSECTIONS BY ITERIS

Wednesday, 1:00 p.m. – 5:00 p.m.

This workshop will include the latest traffic signal operations, controller programming and best practices for innovative intersections including CFLs, Superstreets, DDI, and diamond interchanges. Workshop fee: \$25.

Speaker: Nader Ayoub, Iteris



TECHNICAL TOUR: AMAZON FULFILLMENT CENTER TOUR

Wednesday, 2:00 p.m. – 4:00 p.m.

Amazon.com, Inc., has become the second-biggest American retailer. With a growth rate over 20 percent last year, revenues are likely to top \$160 billion.

Join us for a tour of the Amazon Fulfillment Center in San Marcos. Take a peek into the inner workings of the Fulfillment Center and see firsthand how your orders are fulfilled using an extraordinary combination of robots and personnel. Buses load at 1:30 p.m. and depart at 1:45 p.m. Cost: \$25.

Transportation sponsored by San Marcos CVB

NETWORKING EVENT: HIGHWAY PRODUCTS GROUP RECEPTION AND EXHIBITS

Wednesday, 6:00 p.m. – 8:00 p.m.

Kick things off on Wednesday evening by visiting with your colleagues at the Highway Products Group reception and exhibits. Look at the latest innovations in signal equipment, pavement markings, signing and lighting.

Food, drinks and door prizes! Exhibits will also be open Thursday morning.



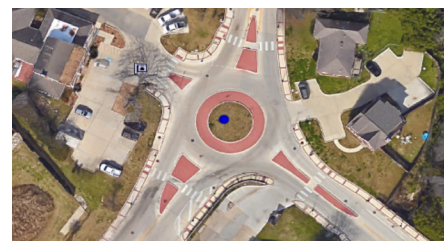
Photo Credit: Texas State Official

WORKSHOP: ROUNDABOUT TRAINING

Wednesday, 1:00 p.m. – 5:00 p.m.

The workshop will touch on geometric design practices as well as design review techniques used to troubleshoot designs. Information on the use of the Federal Highway Administration (FHWA) peer review program is also included in the workshop. The workshop includes discussion of the low-cost high-value congestion relief that mini-roundabouts can offer. Lastly, the workshop highlights the value of outreach programs to gain driver acceptance. Workshop fee: \$50.

Instructors: Mark Lenters, Ourston-MSA Professional Services, and Jeff Shaw, FHWA



SEMINAR: PROFESSIONAL ETHICS

Wednesday, 5:00 p.m. – 6:00 p.m.

This session will meet the requirements of the Texas Board of Professional Engineers for ethics training. The workshop is free and will meet on Wednesday afternoon and before the vendor exhibit reception. There is no cost to attend this seminar.

Instructors: Chris Bosco and Gina Smith, Freese and Nichols

NETWORKING EVENT: TEXAS HOLD 'EM TOURNAMENT

Wednesday, 8:00 p.m. – Midnight

Please join us for a Texas Hold 'Em poker tournament following the Highway Products Group reception. Join in the game for fun and prizes. No experience necessary. There is no cost to join this friendly tournament, which starts shortly after 8:00 p.m. Snacks and drinks will be available.

Sponsored by BGE, Inc., Gerry De Camp, and Civil Engineering Consultants

PROGRAM highlights



The Meadows Center for Water and the Environment. Photo Credit: Rudolph Rosen

NETWORKING EVENT: NEW AND YOUNGER MEMBERS MEET AND GREET WITH TexITE LEADERSHIP

Thursday, 8:00 a.m. – 9:00 a.m.

Are you interested in becoming more involved in TexITE or your local section of ITE? Would you like to meet your current TexITE district officers? Join us Thursday morning for a meet and greet with TexITE leaders. This informal gathering will be held in the boardroom next to the registration desk. You will be able to grab some breakfast in the exhibit hall before or after mingling with the leadership. New and younger members who attend will be entered in a drawing for a door prize to be awarded at the Kickoff Luncheon.

Come and hear about ways you can get involved in TexITE and offer any suggestions you might have. The different committee chairs will be on hand to explain how each committee contributes to TexITE and will offer opportunities for you to sign up. Meet your 2017 TexITE officers and share your ideas for increasing younger member involvement in the statewide TexITE organization. Section leaders will also be on hand to hear suggestions and offer areas where you can get involved at the local level. We look forward to talking with you!

NETWORKING EVENT: THURSDAY NIGHT SOCIAL

Thursday, 6:00 p.m. – 9:00 p.m.

On the banks of beautiful Spring Lake, join us for an evening at the Meadows Center for good food, cold drinks, scenic views and lots of fun! At the event, you can enjoy a glass-bottom boat tour and explore the underwater world of Spring Lake. Boats will be running until 7:30 p.m.

Shuttle bus service to and from the hotel to the Meadows Center will be provided until 9:00 p.m. Buses will depart the hotel beginning at 5:30 p.m.

Sponsored by Stantec, Arcadis, Siemens, and DKS Associates



Downtown San Marcos. Photo Credit: theodoraonline.com

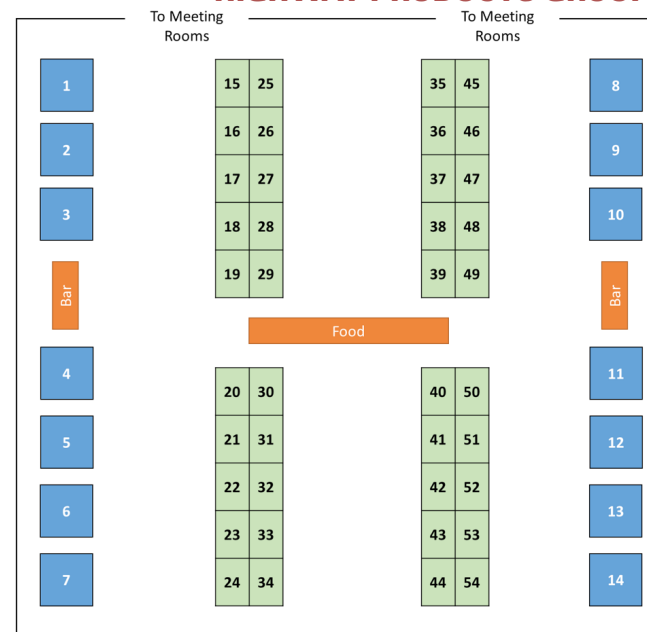
NETWORKING EVENT: YOUNGER MEMBERS THURSDAY LATE-NIGHT SOCIAL

Thursday, 9:00 p.m. – Midnight

After the Thursday Night Social, join the Younger Members group for a lively evening in downtown San Marcos at the Railyard Bar and Grill. The Railyard includes a beer garden, free pool tables, darts, ping pong, washers, horseshoes and large-screen TVs.

The patio has been reserved for TexITE members. All meeting attendees and guests are welcome. Transportation will be provided from the Railyard to the Embassy Suites Hotel on the hour, and the last bus will depart the Railyard at midnight.

HIGHWAY PRODUCTS GROUP exhibitors



COMPANY	BOOTH	COMPANY	BOOTH
Paradigm Traffic	1 and 2	Horizon Signal Technologies	26
Applied Information	3	LaneLight/ITEM, Ltd.	27
Trafficware Group, Inc.	4	NOV/Ameron Pole Products, LLC	28
Iteris	5	ComNet	29
Daktronics	6	TOMAR Electronics Inc.	30
High Sierra Electronics, Inc.	7	Dynamic Vision Co., Inc	31
MoboTrex, Inc.	8 and 9	Pelco Products, Inc.	35 and 36
TechOne Sales, LLC	10	Sensys Networks	32
Consolidated Traffic Controls, Inc.	11	Live Traffic Data	33
GRIDSMART	12	Control Technologies, Inc.	37 and 38
ITS Plus	13	Wireless Technology, Inc.	39
Peek Traffic Corporation	14	ELTEC	40
Siemens Industry, Inc./RUGGEDCOM	15	CountingCars.com	41
Area Wide Protective	16	Quality Counts, LLC	42
Southwestern Section IMSA	17	Texas Highway Products	45 and 46
PTV Group	18	Sky Bracket	47
EtherWAN Systems, Inc.	19	Encom Wireless Data Solutions	48 and 49
TAPCO	20	McCain, Inc.	50
Traffic Signal Hardware, Inc.	21	Twincrest Technologies	51
Leotek Electronics USA	25		

Thank You!

TexITE would like to gratefully acknowledge the generous support of our sponsors for the 2017 TexITE Fall Meeting as noted in the program.



The Texas District of the Institute of Transportation Engineers is a professional organization for individuals in the transportation field that reside in the state of Texas, although membership is not limited to Texas professionals, who strive to help

Texans provide a safer, cleaner, and more convenient and efficient transportation system.

For more details, visit texite.org.

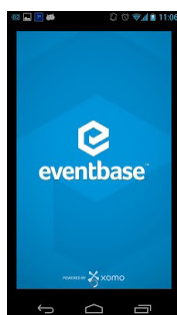


Follow us on **Twitter @TexITE**.
If you are tweeting from the meeting,
please use the hashtag **#TexITEConf**.



Find us on
Facebook

You can also like
us on Facebook
at **[facebook.com/
TexasITE](https://facebook.com/TexasITE)**.



To access the meeting schedule,
go to the App Store or Google Play
and download **Eventbase** for free.
Search "TexITE" to have full access
to all of the meeting's events.

