

2015 SPRING MEETING



texite

**BRYAN/COLLEGE STATION
MARCH 11-13**

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SCHEDULE AT A GLANCE

WEDNESDAY, MARCH 11

8:30 a.m. – 7:00 p.m.	Registration Desk Open	Promenade Prefunction
9:00 a.m. – Noon	Sporting Clay Shoot-Out Tournament	Tonkaway Ranch <i>(pre-registration required)</i>
9:00 a.m. – Noon	Workshop: PE Exam Preparation	Bluebonnet 2 <i>(pre-registration required)</i>
9:00 a.m. – Noon	Workshop: HSM – Introduction and Safety Assessments	Bluebonnet 1 <i>(pre-registration required)</i>
9:30 a.m. – 12:30 p.m.	Tour: Campus Master Plan and Northgate Pedestrian Treatments	West entrance <i>(pre-registration required)</i>
1:00 p.m. – 4:00 p.m.	Workshop: PE Exam Preparation	Bluebonnet 2 <i>(pre-registration required)</i>
1:00 p.m. – 4:30 p.m.	Tour: Texas A&M University Riverside Campus	West entrance <i>(pre-registration required)</i>
1:30 p.m. – 4:30 p.m.	Workshop: HSM – Freeways and Ramps	Bluebonnet 1 <i>(pre-registration required)</i>
1:30 p.m. – 4:30 p.m.	District Board Meeting	Mockingbird B-C
4:30 p.m. – 5:00 p.m.	Students and Younger Members Meet and Greet	Hilton Lobby Bar
5:00 p.m. – 6:00 p.m.	Professional Ethics Seminar	Bluebonnet 3
6:00 p.m. – 8:00 p.m.	Highway Products Group Exhibits/Reception	Bluebonnet 4-7
8:00 p.m. – Midnight	Texas Hold 'Em Tournament	Oakwood

THURSDAY, MARCH 12

7:30 a.m. – 5:00 p.m.	Registration Desk Open	Promenade Prefunction
8:00 a.m. – 8:30 a.m.	Moderator Meeting	Mockingbird A
8:00 a.m. – 9:30 a.m.	Board Executive Meeting <i>(as needed)</i>	Mockingbird D
8:00 a.m. – 3:30 p.m.	Exhibit Hall Open <i>(Breakfast served until 9:30 a.m.)</i>	Bluebonnet 4-7
8:30 a.m. – 9:30 a.m.	Committee Meetings	Mockingbird A
8:30 a.m. – 9:30 a.m.	Students and Younger Members Professional Development	Mockingbird B-C
9:30 a.m. – 11:30 a.m.	Plenary Session 1	Bluebonnet 1-3
Noon – 1:15 p.m.	Kick-Off Luncheon	Oakwood

SCHEDULE AT A GLANCE

THURSDAY, MARCH 12 (Continued)

1:30 p.m. – 3:00 p.m.	Plenary Session 2: District Traffic Bowl and TexITE Feud	Bluebonnet 1-3
3:00 p.m. – 3:30 p.m.	Student Poster Session	Bluebonnet 1-3
3:00 p.m. – 3:30 p.m.	Break	Bluebonnet 4-7
3:30 p.m. – 5:00 p.m.	Concurrent Session 3A	Bluebonnet 1-3
3:30 p.m. – 5:00 p.m.	Concurrent Session 3B	Brazos
6:00 p.m. – 9:00 p.m.	Thursday Night Social in Downtown Bryan	Cotton Exchange, Bryan
9:00 p.m. – Midnight	Thursday Late-Night Social: Younger Members Event at Rebel Drafthouse in Northgate	Northgate, College Station

FRIDAY, MARCH 13

8:00 a.m. – Noon	Registration Desk Open	Promenade Prefunction
7:00 a.m. – 8:30 a.m.	Committee Meetings <i>(as needed)</i>	Mockingbird A, B-C or D
7:00 a.m. – 8:30 a.m.	Breakfast	Bluebonnet 4-7
8:30 a.m. – 10:00 a.m.	Concurrent Session 4A	Bluebonnet 1-3
8:30 a.m. – 10:00 a.m.	Concurrent Session 4B	Brazos
10:00 a.m. – 10:30 a.m.	Student Poster Session and Break	Bluebonnet 4-7
10:30 a.m. – Noon	Concurrent Session 5A	Bluebonnet 1-3
10:30 a.m. – Noon	Concurrent Session 5B	Brazos
Noon – 1:30 p.m.	Business Luncheon	Oakwood



Visit our mobile friendly meeting website at **meeting.texite.org** or scan the QR code above.

TECHNICAL PROGRAM

THURSDAY, MARCH 12

9:30 a.m. – 11:30 a.m.

PLENARY SESSION 1

Signs of the Times: Latest Innovations in the MUTCD

Moderated by Peter Eng, City of Tyler

▲ **Back to the MUTCD Future**

Gene Hawkins, Texas A&M University

▲ **Stop! In the Name of AFAD**

Michael Chacon, Texas Department of Transportation

▲ **Walk This Way: Pedestrian Traffic Control Devices**

Kay Fitzpatrick, Texas A&M Transportation Institute

▲ **Do You Hear What I See?: Audible Pedestrian Signals**

Ronnie Bell, City of Austin

▲ **Flash and Arrow — Super Heroes Saving Cities**

Nader Ayoub, Iteris

1:30 p.m. – 3:00 p.m.

PLENARY SESSION 2

District Traffic Bowl and TexITE Feud

Hosted by Gary Thomas, Texas A&M Transportation Institute

▲ **Traffic Bowl Participating Teams:**

- *Texas A&M University*
- *The University of Texas at Austin*
- *The University of Texas at Arlington*
- *The University of Texas at San Antonio*

▲ **TexITE Feud Participating Teams**

- *Several TexITE Sections*

THURSDAY, MARCH 12 (continued)

3:00 p.m. – 3:30 p.m.

STUDENT POSTER SESSION

- ▲ **Emission Effects of Real-Time Eco-Driving Strategies at Signalized Intersections with Consideration of Queue**
Peijia Tang, Texas Southern University
- ▲ **Motor Vehicle NO_x Emission Assessment via Engine Activity Data**
Wu Ying, Texas Southern University
- ▲ **A Methodology to Predict Intercity Rail Commute Volume: Focus on Texas Megaregion Communities**
Vincent Hassell, Texas Southern University
- ▲ **The Problem of Cold Starts: A Closer Look at Mobile Source Emission Levels**
Matt Reiter, University of Texas at Austin
- ▲ **Design of Screening System for Transatlantic Container Transport**
Michal Jizba, University of Texas at El Paso
- ▲ **Transportation Network Resiliency: Towards Universal Measures**
Jessica Miramontes, University of Texas at El Paso
- ▲ **Analyzing Quality and Efficiency of Freight System in El Paso Through Development of a Planning – Performance Measurement System**
Eduardo Torres, University of Texas at El Paso
- ▲ **Criteria for Determining the Number of Intersections at a Divided Highway Junction: Recommendations for Changes to the MUTCD**
S. Hadi Khazraee, Texas A&M University
- ▲ **Evaluating The Impact of Driveway Restrictions on Corner Lot Developments Using Access Travel Time**
Lacy Brown, Texas A&M University

3:30 p.m. – 5:00 p.m.

CONCURRENT SESSIONS: 3A AND 3B

3A: Bigger Stadium, More Traffic, SECond to None

Moderated by Troy Rother,
City of College Station

- ▲ **1st Down: The Plaza Hotel**
Mike McInturff, HDR
- ▲ **2nd Down: Kyle Field**
Peter Lange, Texas A&M University
- ▲ **3rd Down: Congestion**
Tim Lomax, Texas A&M Transportation Institute

3B: Traffic Engineering Innovations

Moderated by Dale Picha,
Texas Department of Transportation

- ▲ **Innovations in Custom Traffic Signage**
Renee Crepeau, 3M
- ▲ **The Future of Traffic Control Devices for the Connected Vehicle World**
Eric Raamot, Econolite
- ▲ **Innovations in Portable Traffic Barriers**
Joe Bacon, N-Line Traffic Maintenance
- ▲ **Innovations in Wireless Communication**
Mike Kwan, Encom Wireless

TECHNICAL PROGRAM

FRIDAY, MARCH 13

8:30 a.m. – 10:00 a.m.

CONCURRENT SESSIONS: 4A AND 4B

4A: Making It Safer: From Prediction to Implementation

Moderated by Federico Mendoza, Brown and Gay Engineers

- ▲ **Utah's Crash Prediction Model — Not Born in Texas, But Can Get Here Fast!**
Grant Schultz, Brigham Young University
- ▲ **Using HSM to Make Better Traffic Safety Investments**
Andrew Kwasniak, Lee Engineering
- ▲ **TxDOT's Highway Safety Improvement Program: Making Cents of the Dollars**
Darren McDaniel, Texas Department of Transportation
- ▲ **USDOT Safety Initiatives**
Stephen Ratke, Federal Highway Administration

4B: Are You Smarter Than a Bus?

Moderated by Kevin St. Jacques, Freese and Nichols

- ▲ **Bus Rapid Transit Technologies**
Randy McCourt, DKS Associates
- ▲ **Catch a Ride on MetroRapid**
Roberto Gonzales, Capital Metro
- ▲ **Small System — High Tech**
Justin Tippy and Randy Davidson, Texas A&M University

10:00 a.m. – 10:30 a.m.

STUDENT POSTER SESSION

See previous list for student presenters.

10:30 a.m. – Noon

CONCURRENT SESSIONS: 5A AND 5B

5A: Roundabouts — Wide Nodes, Narrow Links

Moderated by John Denholm, Lee Engineering

- ▲ **The Roundabout Option**
Norman Hogue, Dunaway Associates
- ▲ **Modeling Roundabouts in VISSIM**
Gabriela Tassin, Cobb, Fendley & Associates, Inc.
- ▲ **Enhancing Project Delivery Through Visualization: Carmel, Indiana Keystone Parkway Case Study**
Mike McBride, American Structurepoint
- ▲ **A Brazos Valley Perspective of Roundabouts**
Paul Kaspar, City of Bryan

5B: Squeezing More Traffic Through Our System

Moderated by Tom Hartmann, Kimley-Horn and Associates

- ▲ **Evaluating Lane Elimination (Road Diet) Proposals**
Kelly Blume, Kittleson & Associates
- ▲ **Connected Vehicles**
Jason JonMichael, HNTB
- ▲ **An Outcome-Based Approach to Signal Timing — 2nd Edition of Traffic Signal Timing Manual**
Tom Urbanik, Kittleson & Associates
- ▲ **Flashing Red Arrow Applications in the City of Tyler**
Peter Eng, City of Tyler

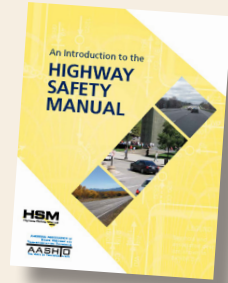
Highway Safety Manual: Introduction and Safety Assessments *(must pre-register)*

Wednesday, 9:00 a.m. – Noon, Hilton

The purpose of this workshop is to introduce users to the analytical safety assessment approaches included in the 2010 AASHTO Highway Safety Manual (HSM).

The target audience member for this workshop is a transportation professional who is not familiar with the HSM or who has only limited exposure to the HSM and wants to learn how to apply the HSM. This part of the workshop will address the original content in the HSM. Attendees of the workshop will leave with a clear understanding about the various components of the HSM and have a working knowledge of how the various safety assessments in the HSM can be applied and interpreted. A short interactive demonstration example will be included in the workshop so attendees are encouraged to bring their laptops.

Instructor: Karen Dixon, Texas A&M Transportation Institute.



Sporting Clay Shoot-Out *(must pre-register)*

*Wednesday, 9:00 a.m. – Noon, Tonkaway Ranch
(16373 Tonkaway Lake Road, College Station)*

Join members and vendors and enjoy the area's most challenging 10-station sporting clays walk-through course. Each team will be escorted by a well-trained trapper, who will keep score and provide helpful hints and general instruction.

The event starts at 9:00 a.m. on Wednesday morning with shooting beginning at 10:00 a.m. Included in the registration fee: 50 targets, breakfast, tournament memento, and trophies.

Transportation is not provided.

Sponsored by:



PROGRAM HIGHLIGHTS

Professional Engineering Exam Preparation

(must pre-register)

*Wednesday, 9:00 – Noon and
1:00 p.m. – 4:00 p.m., Hilton*

The course will provide an overview of transportation engineering for the NCEES Professional Engineering Exam. The day course will be based on the latest NCEES exam standards for Transportation Engineering which were recently revised for the spring 2015 exam.

The course will include a review of horizontal and vertical curves, horizontal sightline offset, acceleration/deceleration, vertical clearance, highway capacity, speed, volume, and sight distance. Exam strategies will be discussed and example problems will be provided and worked in class.

Instructor: Mark Ingram, Cobb, Fendley & Associates, Inc.



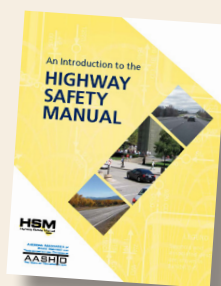
Highway Safety Manual: Freeways And Ramps

(must pre-register)

Wednesday, 1:30 p.m. – 4:30 p.m., Hilton

The objective of this workshop is to inform participants about (a) the safety impacts of freeway design alternatives and (b) the availability of a software tool (ISATe) for evaluating these safety impacts. Safety impacts of design alternatives will be addressed in a discussion of the safety prediction methodologies for freeways and ramps that have been documented in a supplement to the Highway Safety Manual. Application of ISATe will be demonstrated with the use of exercises involving example freeway or ramp facilities. The participants will be shown how to enter the site description data into the ISATe program, obtain information about the safety performance of the facility, and use these results to refine design or traffic control decisions.

Instructor: Mike Pratt, Texas A&M Transportation Institute.



Highway Products Group Reception and Exhibits

Wednesday, 6:00 p.m. – 8:00 p.m., Hilton

Kick things off on Wednesday evening by visiting with your colleagues at the Highway Products Group reception and exhibits. Take a look at the latest innovations in signal equipment, pavement markings, signing, lighting, and much, much more. Exhibits will also be open Thursday.

Texas Hold 'Em Tournament

8:00 p.m. –Midnight, Hilton

Please join us for a Texas Hold 'Em Tournament on Wednesday evening following the Highway Products Group reception. Join in the game for fun and prizes. No experience necessary



Students and Younger Members Events

Students and Younger Members Meet and Greet

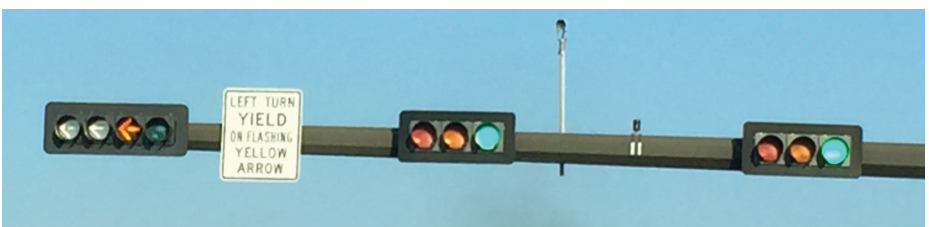
Wednesday, 4:30 p.m. – 5:00 p.m., Hilton

First TexITE Conference? Looking for an internship or job? Want to meet other younger members? Start off the conference at this casual meet and greet. Everyone is welcome.

Students and Younger Members Professional Development: Learning About the Next Rungs on the Ladder to Success

Thursday, 8:30 a.m. – 9:30 a.m., Hilton

Join us for an inside look into the building of Kyle Stadium. You will also have the opportunity to talk with seasoned engineers and learn what it takes to be successful.



PROGRAM HIGHLIGHTS



Photo credit: City of College Station

Keynote Speaker: Kelly Templin

Thursday, Noon – 1:15 p.m., Hilton

Kelly Templin became the City Manager for the City of College Station in November of 2013. Previously, Kelly served as City Manager of Seabrook, Texas. Unlike many City Managers, Kelly has a background in Urban and Regional Planning. This gives him a unique perspective on transportation when compared to City Managers with other backgrounds.

Kelly has spent more than two decades working in municipal government. He has lived and worked in three college communities including Oxford, Ohio (Miami University), Auburn, Alabama, (Auburn University), and College Station, Texas (Texas A&M University).

Kelly is a third-generation Aggie with two degrees from Texas A&M University: a bachelor in Environmental Design '87 and a master of Urban & Regional Planning '91.

ITE Collegiate Traffic Bowl and TexITE Feud

Thursday, 1:30 p.m. – 3:00 p.m., Hilton

Now entering its 6th year, the Traffic Bowl competition continues to grow with more and more schools participating every year. The Texas District is proud to say two winners of the competition have come from the Lone Star State. Who will represent the Texas District this year in Florida? Will it be the defending champions the University of Texas at Austin? Or perhaps perennial powerhouse Texas A&M University? Or will it be someone new this year? And stick around after the Traffic Bowl for some additional game show fun with TexITE Feud.



George Bush Presidential Library and Museum

Thursday Night Social

*Thursday,
6:00 p.m. – 9:00 p.m.*

Cotton Exchange, 200
South Main, Bryan.

Join us in historic
downtown Bryan for an
evening of food, music,
fellowship, and ghost

stories. We will start off the evening's festivities with a Mexican buffet dinner on the third floor of the Cotton Exchange building. With windows on three sides of the banquet hall, you'll have a beautiful view of the revitalized downtown area. We will also be entertained by one of the area's most talented musicians, David Henry, who will be playing jazz and big band standards on the piano throughout the evening.

During the social, attendees will have the opportunity to go on guided tours in the downtown area.

Ghost tour: Virtually every building in downtown Bryan has its stories. Some stories are historical, some are anecdotal, and some are documented. Bryan City, as the town was known in its infancy, was a rough and tumble town that boasted as many saloons as it did businesses. All of the ghost stories come from interviews with shop owners, property owners, employees, and in rare cases newspaper stories.

History/architecture tour: Stroll Downtown Bryan's award-winning revitalization and hear about the past lives and bright futures of some of our most treasured landmarks. Tour includes details from architects and current building owner/managers. You'll be amazed at the transformations and entertained by the history and stories that formed the personality of this lively district.

Social Events Sponsors:

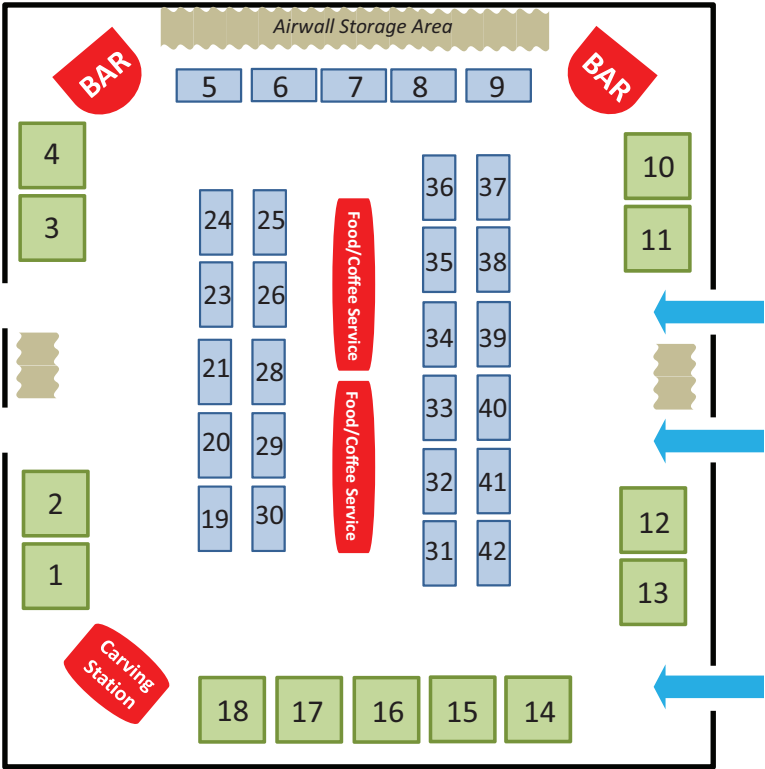


NOTES

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HIGHWAY PRODUCTS GROUP EXHIBITORS AND MAIN FLOOR MAP

Hallway to Mockingbird Rooms



BOOTH	COMPANY
1	K&K Systems, Inc.
2	N-LINE Traffic Maintenance
3	Encom Wireless
4	ITS Plus, Inc.
5	Leotek Electronics USA
6 and 7	Consolidated Traffic Controls, Inc.
8	Quality Counts, LLC
9	EtherWAN Systems, Inc.
10 and 11	Control Technologies, Inc.
12	All Traffic Solutions
13	ITEM Ltd.
14	Iteris Inc.
15	CJ Hensch & Associates, Inc.
16	Transoft Solutions
17	Trafficware
18	Pelco Products, Inc.
19	Texas Highway Products, Ltd.

BOOTH	COMPANY
23	McCain, Inc.
24	Valmont Industries
25	ELTEC
26	Tomar
28	ComNet
29	TAPCO
30	Texas Highway Products, Ltd.
31	Intuicom, Inc.
32	3M
33	SW Section IMSA
34	Skyline Products
35	CTC, Inc.
36 and 37	Paradigm Traffic Systems
38	TransCore
39	Pexco
40	Siemens Industry, Inc. / Ruggedcom
41	Dialight
42	Twincrest Technologies

PROFESSIONAL DEVELOPMENT HOURS

According to the Texas Board of Professional Engineers (TBPE), 15 professional development hours (PDHs) are required each year for license renewal. A PDH is defined as a contact/clock hour on any qualifying course or activity with a clear purpose and objective to maintain, improve, or expand the skills and knowledge relevant to the license holder's engineering field. Courses, presentations, or activities related to engineering in a technical, managerial, or ethical manner count toward PDHs.

There are two basic criteria for an activity to count:

1. Is the specific activity on the list of activities in the rule?
(see the TBPE website for an excerpt from the rule)
2. Is the activity relevant to the practice of a technical profession and does the activity include technical, ethical, or managerial content?

The board wants the reporting process to be as simple as possible, and consequently, there are only two steps that a license holder needs to do:

1. Certify on the renewal statement that you have completed the Continuing Education Program (CEP) requirement and return it with your renewal payment. This is the main document that the board reviews and keeps as a record of completing the CEP requirement.
2. Keep some sort of paper proof of your activity. We suggest that you retain a copy of the program noting the presentations you attended. Following the meeting, you will be able to print a PDH certificate from the TextTE website for your files.

For additional information, access the TBPE website at http://engineers.texas.gov/cep_faq.htm.

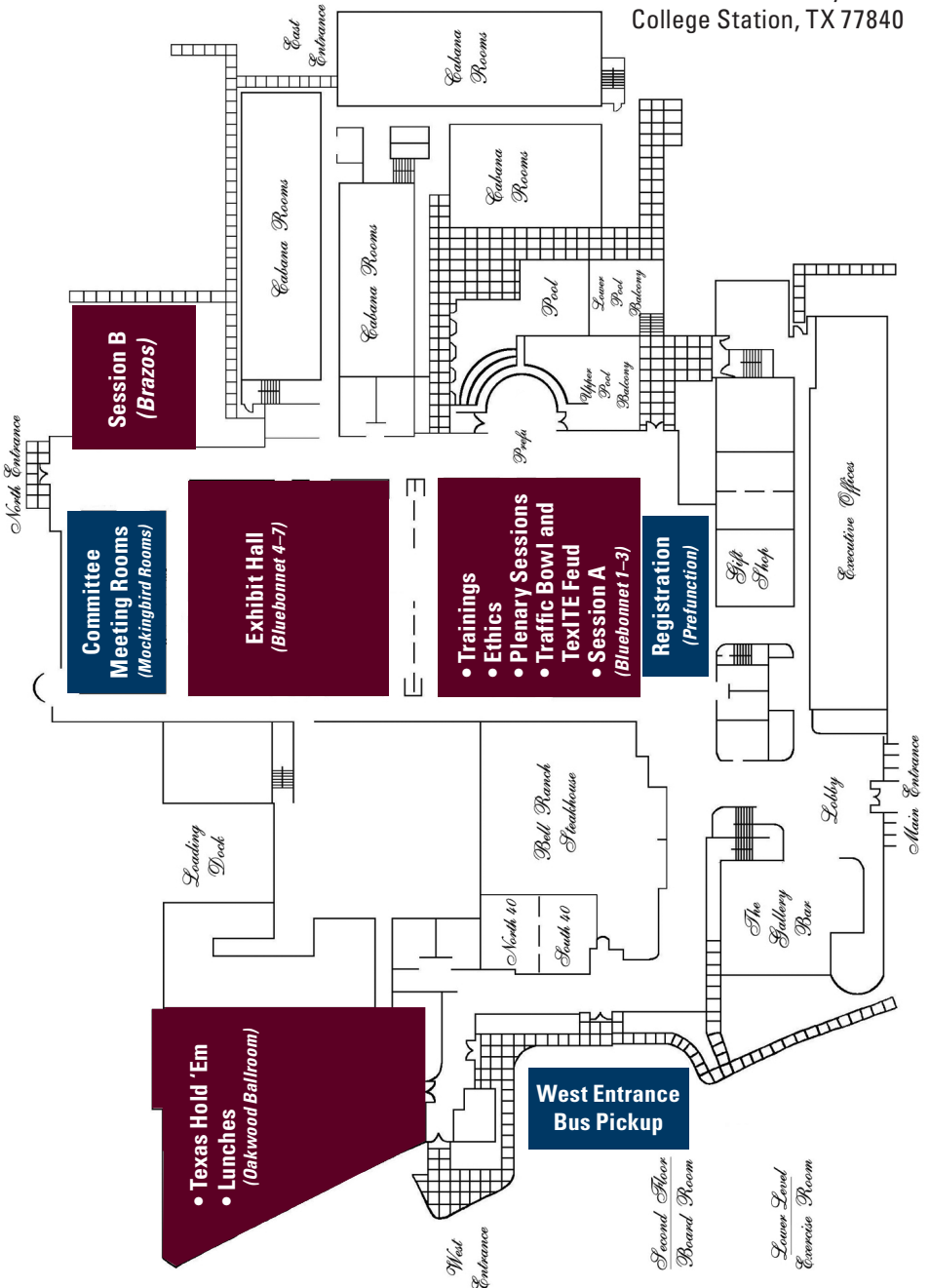


HILTON HOTEL MAP

Hilton College Station and Conference Center

801 University Dr. E.

College Station, TX 77840



MEETING SPONSORS

TexITE would like to extend a very special thank you to our meeting and events sponsors. Your generosity has contributed greatly to the conference, and we are immeasurably grateful. Thank you all.

Platinum



Gold



Silver



The Texas District of the Institute of Transportation Engineers (TexITE) 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 @TexasITE**.
If you are tweeting from
the meeting, please include
#TexITEConf in your tweet.



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