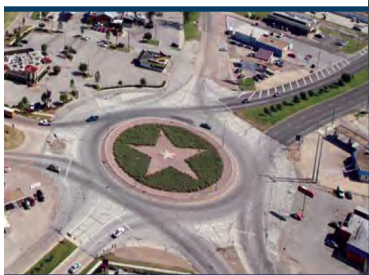
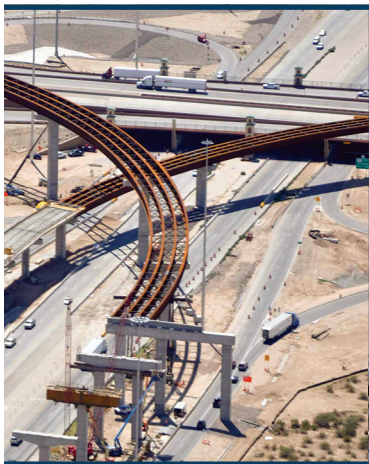
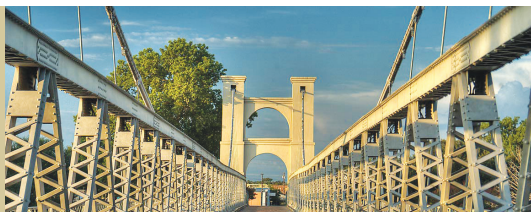


2014 TEXITE FALL MEETING

WACO, TX ★ SEPTEMBER 24-26, 2014



SCHEDULE AT A GLANCE

WEDNESDAY, SEPTEMBER 24

8:30 a.m. – 7:00 p.m.	Registration Desk Open	Event Office A (<i>Upper Level of WCC</i>)
9:00 a.m. – Noon	VISSIM Technical Training I	McLennan Hall 207 (<i>Upper Level of WCC</i>)
9:00 a.m. – 4:30 p.m.	Roundabout Technical Training	Lone Star 103 (<i>Lower Level of WCC</i>)
9:00 a.m. – Noon	McLane Stadium/Brazos Riverwalk Technical Tour	Depart from Hilton Hotel Lobby
10:00 a.m. – 5:00 p.m.	Highway Products Group Set Up	McLennan Hall 208-209 (<i>Upper Level of WCC</i>)
1:30 p.m. – 4:30 p.m.	TextITE Board Meeting	Waco Room 101
1:30 p.m. – 4:30 p.m.	VISSIM Technical Training II	McLennan Hall 207 (<i>Upper Level of WCC</i>)
1:30 p.m. – 4:30 p.m.	Waco Transit Authority Technical Tour	Depart from Hilton Hotel Lobby
5:00 p.m. – 6:00 p.m.	Professional Ethics Seminar	McLennan Hall 207 (<i>Upper Level of WCC</i>)
6:00 p.m. – 8:00 p.m.	Highway Products Group Exhibits/ Reception	McLennan Hall 208-209 (<i>Upper Level of WCC</i>)
8:00 p.m. – Midnight	CCTextITE Texas Hold 'Em Card Tournament	McLennan Hall 207 (<i>Upper Level of WCC</i>)

THURSDAY, SEPTEMBER 25

7:30 a.m. – 5:00 p.m.	Registration Desk Open	Event Office A (<i>Upper Level of WCC</i>)
8:30 a.m. – 3:30 p.m.	Highway Products Group Exhibits	McLennan Hall 208-209 (<i>Upper Level of WCC</i>)
9:30 a.m. – 11:30 a.m.	Plenary Session 1	McLennan Hall 207 (<i>Upper Level of WCC</i>)
Noon – 1:15 p.m.	Kick-Off Luncheon	Brazos Ballrooms A-C (Hilton)
1:30 p.m. – 3:00 p.m.	Plenary Session 2	McLennan Hall 207 (<i>Upper Level of WCC</i>)
3:00 p.m. – 3:30 p.m.	Student Poster Session and Break	McLennan Hall Prefunction (<i>Upper Level of WCC</i>)
3:30 p.m. – 5:00 p.m.	CONCURRENT SESSIONS 3A	McLennan Hall 207 (<i>Upper Level of WCC</i>)
3:30 p.m. – 5:00 p.m.	CONCURRENT SESSIONS 3B	Bosque Theatre 203 (<i>Upper Level of WCC</i>)
6:00 p.m. – 9:00 p.m.	Thursday Night Social	Meet in Hilton Hotel Lobby at 5:30 p.m.
9:30 p.m. – Midnight	Thursday Late-Night Social	Meet in Hotel Lobby at 9:30 p.m. to walk over to Crickets

FRIDAY, SEPTEMBER 26

8:00 a.m. – Noon	Registration Desk Open	Event Office A (<i>Upper Level of WCC</i>)
7:00 a.m. – 8:00 a.m.	Consultant's Council Business Meeting	Waco Room 100 (<i>Lower Level of WCC</i>)
8:00 a.m. – 8:30 a.m.	Younger Members Committee	Lone Star Room 104 (<i>Lower Level of WCC</i>)
8:00 a.m. – 8:30 a.m.	Student Poster Session and Breakfast	McLennan Hall Prefunction (<i>Upper Level of WCC</i>)
8:30 a.m. – 10:00 a.m.	CONCURRENT SESSIONS 4A	McLennan Hall 207 (<i>Upper Level of WCC</i>)
8:30 a.m. – 10:00 a.m.	CONCURRENT SESSIONS 4B	Bosque Theatre 203 (<i>Upper Level of WCC</i>)
10:00 a.m. – 10:30 a.m.	Student Poster Session and Break	McLennan Hall Prefunction (<i>Upper Level of WCC</i>)
10:30 a.m. – Noon	CONCURRENT SESSIONS 5A	McLennan Hall 207 (<i>Upper Level of WCC</i>)
10:30 a.m. – Noon	CONCURRENT SESSIONS 5B	Bosque Theatre 203 (<i>Upper Level of WCC</i>)
Noon – 1:30 p.m.	Business Luncheon	Brazos Ballrooms A-C (Hilton)

TECHNICAL PROGRAM

THURSDAY, SEPTEMBER 25

9:30 a.m. – 11:30 a.m.

PLENARY SESSION 1

I-35 Corridor Project

Moderated by John Habermann, Texas A&M Transportation Institute

- **I-35 Construction Overview**
Bobby Littlefield, Texas Department of Transportation
- **I-35 Traveler Information During Construction**
Bob Brydia, Texas A&M Transportation Institute
- **I-35 Contractor Safety Initiatives**
Jay Fonville, LANE Construction
- **I-35 Mobility Coordination During Construction**
John Habermann, Texas A&M Transportation Institute
- **Work Zone ITS in Texas: Next Steps**
Gerald Ullman, Texas A&M Transportation Institute

1:30 p.m. – 3:00 p.m.

PLENARY SESSION 2

LeadershipITE Roundtable Discussion

Moderated by Melisa Finley, Texas A&M Transportation Institute

- *Mohan Atluri, Gunda Corporation*
- *Jason Crawford, Texas A&M Transportation Institute*
- *Anna Martin, HDR Engineering, Inc.*
- *Jody Short, Lee Engineering*

TECHNICAL PROGRAM

THURSDAY, SEPTEMBER 25 (continued)

3:00 p.m. – 3:30 p.m.

STUDENT POSTER SESSION

- ▲ **Person-based Adaptive Priority Signal Control with Connected-vehicle Information**
Xin Sun, Texas A&M University
- ▲ **Validation of CMFs Derived from Cross-Sectional Studies Using Regression Models**
Lingtao Wu, Texas A&M University
- ▲ **Algorithm to Estimate Link Travel Time Based on Trip Travel Time Data**
Chujun Zhong, Texas A&M University
- ▲ **Macroscopic Evaluation of Incident Induced Driver Behavior Changes**
Ziaur Rahman, University of Texas – Arlington
- ▲ **Dynamic Managed Lane Pricing and Integrated Corridor Management**
Maryam Zabihi, University of Texas – Arlington

3:30 p.m. – 5:00 p.m.

CONCURRENT SESSIONS: 3A AND 3B

3A: What the Tech!

Moderated by Linc Wright,
Edminster Hinshaw Russ & Associates

- ▲ **Acyclica Congestion Management**
Sarah King, Control Technologies, Inc.
- ▲ **Advanced Video Detection Made Easy – Interoperable Low Cost, Low Maintenance VIVDS Systems**
Mike Hutchison, ITS Plus, Inc.
- ▲ **Video Detection for Turning Movement Counts**
Nader Ayoub, Iteris, Inc.

3B: Transit

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

- ▲ **New Markets for Personal Transport**
Dan Grossman, Zipcar
- ▲ **New Development and Land Use Trends for City Centers**
Rick Sheldon, Rick Sheldon Real Estate
- ▲ **Ridesharing: Transit's Overarching Mission and Its Impact on Traffic**
David McMaster, Houston METRO

TECHNICAL PROGRAM

FRIDAY, SEPTEMBER 26

8:30 a.m. – 10:00 a.m.

CONCURRENT SESSIONS: 4A AND 4B

4A: Uh oh, We Didn't Know

Moderated by Matt Johnson,
Johnson Traffic Design

- ▲ **The Challenges of Retrofitting Walkability**
Ian Hlavacek, Traffic Engineers Inc.
- ▲ **Holes? I Didn't See Those on the Utility Sheets**
Jason Duncan and Dar-Hao Chen, Texas Department of Transportation
- ▲ **On the Fly: Real-Time Traffic Control — A Reality with Design-Build**
David Halloin and Brian Shewski, Kimley-Horn and Associates

4B: The Future in Transportation

Moderated by James Kratz, Jacobs

- ▲ **Variable Speed Limit Pilot Project Results**
Dustin Wiggins and Darren McDaniel, Texas Department of Transportation
- ▲ **Alternative Intersection Design – Diverging Diamond Interchange**
Federico Mendoza, Brown and Gay Engineers
- ▲ **Proactive, Connected and Automated Transportation**
Christopher Poe, Texas A&M Transportation Institute

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: ITS

Moderated by Brian Moen,
City of Frisco

- ▲ **TxDOT's Freeway Adaptive System on I-10**
Steve Chiu, Texas Department of Transportation
- ▲ **Frisco's LED Lighting Study**
Dharmesh Shah, Lee Engineering and *Brian Moen*, City of Frisco
- ▲ **Statewide Update of TxDOT ITS Standards**
Kent Kacir, Kimley-Horn and Associates
- ▲ **Automating Variable Speeds with Real Time Traffic and Weather**
Renee Hurtado, DKS Associates

5B: Everyone Goes Right

Moderated by Norman Hogue,
Dunaway

- ▲ **Know Your Design Vehicle**
Dana LeClaire and George White, KHA
- ▲ **Roundabouts near Traffic Signals**
Mark Lenters, GHD
- ▲ **NCHRP Report 772: Evaluating the Performance of Corridors with Roundabouts**
Marcus Brewer, Texas A&M Transportation Institute
- ▲ **SH 20 (Alameda Avenue) and US 62 (Paisano Drive) Roundabouts**
Antonio Santana, Texas Department of Transportation

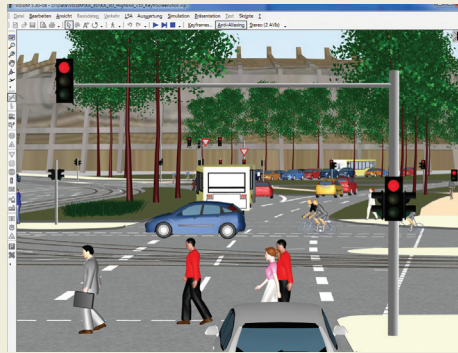
PROGRAM HIGHLIGHTS

VISSIM TECHNICAL TRAINING

Wednesday, 9:00 a.m. – Noon and 1:30 p.m. – 4:30 p.m.

The morning session will cover the basics of using Vissim 7 and will include working with previously built samples including a signalized intersection and a freeway interchange. Topics covered will be introduced at an introductory level and all participants are welcomed.

The afternoon session will cover several aspects of how to use Vissim 7 for corridor analysis. Topics covered will include geometry, volume and routing set-up, The RBC signal controller and a basic overview of data collection. **This course is meant for users who are familiar with Vissim.**



ROUNABOUT DESIGN TECHNICAL TRAINING

Wednesday, 9:00 a.m. – 4:30 p.m.

As engineers, we should seek out opportunities to sharpen our skills and broaden our horizons. GHD (the home of Ourston Engineering) will provide a one-day training that will cover more than just the basics of roundabouts. The goal is to promote discussion and peer interaction through preliminary design sketching, review of designs, and more. Individuals will be grouped to encourage interaction and knowledge transfer. Whether you are a seasoned roundabout designer or a roundabout groupie, you will benefit from this class. **Lunch is on your own and not included in the training cost.**

McLANE STADIUM AND RIVERWALK TECHNICAL TOUR

Wednesday, 9:00 a.m. – Noon

In the early 1980's, the City of Waco constructed the first section of Brazos Riverwalk

Trail along the banks of Lake Brazos between Indian Spring Park and I-35. The Waco Riverwalk includes approximately seven miles of multi-use, lighted trail that loops along both banks of the Brazos River. The scenic riverwalk stretches from Baylor University to Cameron Park and passes underneath the Suspension Bridge. The riverwalk is accessible from various points throughout downtown Waco and captures the natural beauty of the Brazos River Corridor.

The newest development along the riverwalk is the new Baylor football stadium, McLane Stadium. McLane Stadium will be a catalyst for economic development along the Brazos River and will continue progress underway throughout downtown Waco. The stadium will be the largest project in Central Texas history and has the potential to transform the city. New hotels, restaurants, and shops will all provide entertainment for game-day crowds.

The technical tour will include a look at the history of the project area, the development vision along Lake Brazos, and the game day operations for the new 45,000 seat stadium. Also included is a behind the scenes tour of the stadium's operations center and the stadium complex. All 2014 Baylor games are sold out, so this is your first and best chance to see the new jewel on the Brazos.



PROGRAM HIGHLIGHTS

SPORTING CLAY SHOOT-OUT (must pre-register)

Wednesday, 9:00 a.m. – Noon

Join members and vendors for the morning at Waco Skeet and Trap Club located at 7209 Karl May Drive (the road to Waco Regional Airport). You will enjoy 17 skeet fields and a five-stand sporting clay course offering challenging targets coming from six different machines. If you competed at the Austin clay shoot, you will recognize the format: one round of skeet and one round of five-stand per four or five-person team.

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 tacos from Rudy's, tournament memento, door prizes, and trophies.

Not included: shotgun and 50 shells (minimum — more if practice/warm-up shooting is desired). If you have any questions about the event (or to form specific groups), please contact the shoot-out coordinator Rick Charlton. **Transportation is not provided.**

WACO TRANSIT AUTHORITY TECHNICAL TOUR

Wednesday, 1:30 p.m. – 4:30 p.m.

The Waco Transit System has recently upgraded its services and headquarter stations to state-of-the-art. This tour will provide a full look at both the operations and maintenance aspects of the facilities.

The different services of the transit system to be highlighted will be the Demand Response Van, GPS Bus Tracking, Ride the Dash!, Baylor Shuttles, and Baylor Football Games. Learn how the Transit Management Center tracks and maintains their varied services to the Waco and Baylor communities.

Attendees will be picked up in a Waco Transit Bus at the Hilton Hotel lobby. The bus ride will take attendees to the Waco Transit Operations and Maintenance Headquarters.



PROFESSIONAL ETHICS SEMINAR

Wednesday, 5:00 p.m. – 6:00 p.m.

Our presenter will be Dewey E. Helmcamp, III, J.D., with the Texas Board of Professional Engineers.

The seminar will satisfy the continuing education professional ethics requirements required by the Texas Board of Professional Engineers.

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.

Check out the latest innovations in signal equipment, pavement markings, signing, lighting and much more.

TEXAS HOLD 'EM TOURNAMENT

Wednesday, 8:00 p.m. – Midnight

CCTexITE will be hosting 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.

PROGRAM HIGHLIGHTS



KEYNOTE SPEAKER: Megan Henderson

Thursday, Noon – 1:15 p.m.

Megan Henderson currently serves as Executive Director for the Downtown Development Corporation, the Riverfront Development Corporation, and the Business Resource Center where she implements the Imagine Waco plan for greater downtown development by catalyzing real estate development, fostering successful business districts, and working with numerous stakeholders and stakeholder groups to help bring about their visions for their neighborhoods, businesses, and communities.

Megan recently served as Director of Regional Services for the Heart of Texas Council of Governments (HOTCOG), where she managed staff in seven programs and served as the lead economic developer. The Regional Services Division focuses on services to communities, including public safety, environmental, and community development work.

Megan is a Certified Public Manager (CPM) and a Certified Economic Developer (CEcD), and holds a Bachelor's of Arts from the University of Texas at Austin and a Master's of Public Administration from the University of Texas at Arlington. Before joining HOTCOG in 2008, she served as the City Manager of Rosebud and the Main Street Project Manager in Marlin. Megan's professional experience centers around strengthening communities, with emphasis on community and economic development, infrastructure and capital improvements planning, grantsmanship, and finance.



THURSDAY NIGHT SOCIAL

Thursday, 6:00 p.m. – 9:00 p.m.

Our Thursday night social will be held at Moon River Ranch, a working ranch on a 550 acre horseshoe peninsula of the Brazos River off of CR 417A, Satin, Texas. Just 25 minutes from Waco, we will travel by bus to this central Texas rustic ranch.

We can socialize and dine both inside and outside, free to roam this scenic ranch venue and its buildings, blended with century old country

elements. Discover for yourself the wonderfully appointed interiors of overstuffed leather furniture, rustic wood and vintage antiques that capture the essence of Texas living at its best. Relax, and let the country charm of Moon River Ranch refresh and re-energize your spirit. Kick back and enjoy the fresh country air around one of the many open fire pits.

THURSDAY LATE-NIGHT SOCIAL

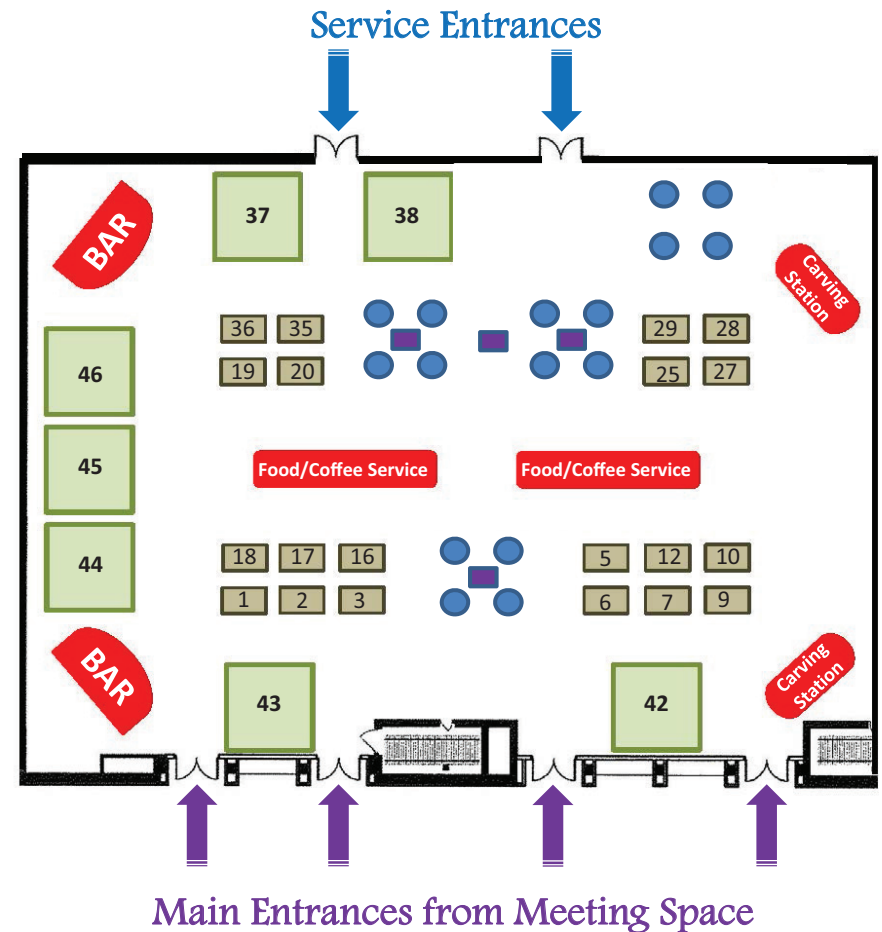
Thursday, 9:30 p.m. – Midnight

The Younger Members Committee will host the late-night social for all members at Crickets Grill and Draft House located two blocks from the Hilton Waco Hotel. Crickets has a variety of activities to have informal competitions in pool, shuffleboard, darts, and a life-size Jenga game.

The Young Members Committee encourages all to come out, have fun, and strengthen the TexITE network of the future. If you have any questions please contact Matt Sneed at (281) 615-9887.



HIGHWAY PRODUCTS GROUP EXHIBITORS AND MAIN FLOOR MAP



COMPANY	BOOTH	COMPANY	BOOTH
Centerline	16	Leotek	18
CJ Hensch & Associates, Inc.	38	McCain Inc.	27
ComNet	20	Optical Cable Corporation	36
Consolidated Traffic Controls	29	Paradigm Traffic Systems, Inc.	1 and 2
Control Technologies, Inc.	6 and 7	Pelco Products Ltd	37
Dynamic Vision Co.	25	RTC Manufacturing, Inc.	28
ELTEC	17	Siemens / Ruggedcom	9
EtherwanSystems, Inc.	3	Texas Highway Products	10
ITEM Ltd.	42	TOMAR Electronics	5
Iteris	45	Trafficware Group, Inc.	43
ITS Plus, Inc.	44	Twincrest Technologies	19
K&K Systems, Inc.	46	Quality Counts	12

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 things 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 recommend that you retain a copy of the program along with any presentations you attended.

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



NOTES

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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.



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