In Memoriam

Joseph Hanover
Retired 1977
Bryan District Engineer

Richard “Dick” Lockhart
Retired 1993
San Antonio District

Omer Franklin Poorman
Retired 1986
Houston District

Lonny Traweek
Retired 2003
Bryan District Engineer

OPENING SESSION
TUESDAY
OCTOBER 10
RUDDER AUDITORIUM
8:30 A.M. – NOON

Posting of the Colors
Texas A&M University
Corps of Cadets Color Guard

Invocation
Corps Chaplain

Video Presentation
Texas Department of Transportation Video

Campus Welcome
Stephen F. Shuchart
Student Regent
The Texas A&M University System

Remarks on Behalf of the Texas A&M Transportation Institute
Greg Winfree
Agency Director
Texas A&M Transportation Institute

Presentation of Awards
Greg Winfree
• Dewitt C. Greer Award
• Gibb Gilchrist Award
• Luther DeBerry Award
• Raymond E. Stotzer, Jr. Award
• Russell H. Perry Award

BREAK

Special Video Presentation
Team TxDOT — Hurricane Harvey

Remarks on Behalf of the Texas Department of Transportation
James Bass
Executive Director
Texas Department of Transportation

Remarks from the Texas Transportation Commission
J. Bruce Bugg, Jr.
Chair
Texas Transportation Commission

Extra Mile Awards
Texas Department of Transportation
**ETHICS FOR TRANSPORTATION PROFESSIONALS**

ROOM: BRAZOS COUNTY EXPO COMPLEX
TEXAS BALLROOMS

3:30 – 4:30 p.m.

ETHICS SESSION 1 (TxDOT Only)

**Texas Board of Professional Engineers — Professional Practice Update/Ethics:**

- Updates on Board Rule Changes within the last year
- General Updates on initiatives the Board is working on
- Information on Enforcement Statistics and the Engineering Code of Conduct

David Howell, P.E.,
Deputy Executive Director
Texas Board of Professional Engineers

5:00 – 6:00 p.m.

ETHICS SESSION 2
(Open to All Short Course Attendees)

Repeat of Ethics Session 1.

3:30 – 4:30 p.m.

ETHICS SESSION 1 (TxDOT Only)

**Texas Board of Professional Engineers — Professional Practice Update/Ethics:**

- Updates on Board Rule Changes within the last year
- General Updates on initiatives the Board is working on
- Information on Enforcement Statistics and the Engineering Code of Conduct

David Howell, P.E.,
Deputy Executive Director
Texas Board of Professional Engineers

5:00 – 6:00 p.m.

ETHICS SESSION 2
(Open to All Short Course Attendees)

Repeat of Ethics Session 1.

ROOM: RUDDER THEATRE

**ALTERNATIVE DELIVERY**

**Program and Session Co-Chairs:**
Kristi Flagg, P.E., Project Finance, Debt and Strategic Contracts Division, TxDOT
Jason Crawford, P.E., TTI

**Moderator:**
Randall Grones, P.E., Project Finance, Debt and Strategic Contracts Division, TxDOT

1:30 – 1:45 p.m.

**The Future of TxDOT’s Alternative Delivery Program**

Bill Hale, P.E., Administration, TxDOT

1:45 – 2:10 p.m.

**Breaking Ground with Alternative Delivery**

Mike Midkiff, P.E., Project Finance, Debt and Strategic Contracts Division, TxDOT

Matt McCarter, Project Finance, Debt and Strategic Contracts Division, TxDOT

2:10 – 3:00 p.m.

**Myths, Mysteries, and More Surrounding Alternative Delivery**

Jennifer Wright, Project Finance, Debt and Strategic Contracts Division, TxDOT

Greg Snider, P.E., Houston District, TxDOT

Ceseon Clemens, P.E., Dallas District, TxDOT

Jerry Ramos, P.E., Ramos Consulting, LLC

Amadeo Saenz, Jr., P.E., J.D. Abrams, L.P.

3:00 – 3:30 p.m.

**BREAK**

3:30 – 4:00 p.m.

**How to Package a Project for Alternative Delivery**

Marcus Coronado, P.E., Project Finance, Debt and Strategic Contracts Division, TxDOT

Jennifer Wright, Project Finance, Debt and Strategic Contracts Division, TxDOT

4:00 – 5:00 p.m.

**Innovation, Savings, and Supplementing TxDOT Resources**

Alan Esguerra, P.E., Lockwood, Andrews and Newnam, Inc.

Frank Holzmann, P.E., Michael Baker International

Varuna Singh, P.E., Houston District, TxDOT

Scott Hall, Fort Worth District, TxDOT

Valente Olivarez, Jr., P.E., Corpus Christi District, TxDOT

David Casteel, P.E., Williams Brothers Construction Co., Inc.
CONSTRUCTION I

ROOM: MSC 2300 C

Program and Session Co-Chairs:
Gina Gallegos, P.E., San Antonio District, TxDOT
Stephen Sebesta, TTI
Jon Epps, P.E., Ph.D., TTI

Moderator:
Gina Gallegos, P.E., San Antonio District, TxDOT

CONSTRUCTION ENGINEERING INSPECTION

1:30 – 1:55 p.m.
Construction Engineering Inspection (CEI) Project Selection Process
Darlene Goehl, P.E., TTI

1:55 – 2:20 p.m.
Determining Level of Effort for Your District
Lea Jacobson, P.E., San Antonio District, TxDOT

2:20 – 3:00 p.m.
Working the Forces — Pulling Together TxDOT, Contractors and CEI
Eddie Reyes, P.E., San Antonio District, TxDOT
Matt Brazil, P.E., Lufkin District, TxDOT
Gustavo Anguiano, Texas Sterling Construction

3:00 – 3:30 p.m.
BREAK

SUPPORTING THE CONSTRUCTION PROCESS

3:30 – 4:00 p.m.
Construction Inspector Development Program
Stan Swiatek, P.E., Waco District, TxDOT

4:00 – 4:30 p.m.
Consistency in Contract Default Process
Joe Graff, P.E., Construction Division, TxDOT

4:30 – 5:00 p.m.
Managing Construction Schedules
Kelly Selman, P.E., Dallas District, TxDOT

DESIGN

ROOM: RUDDER AUDITORIUM

Program and Session Co-Chairs:
Bill Brudnick, P.E., Houston District, TxDOT
Marcus Brewer, P.E., PMP, TTI

USE OF TECHNOLOGY IN DESIGN

Moderator:
Max Proctor, Jr., P.E., CFM, Design Division, TxDOT

1:30 – 2:00 p.m.
TxDOT Roadway Design Manual (Background and the Future)
Kenneth Mora, P.E., Design Division, TxDOT

2:00 – 2:30 p.m.
What’s in the TxDOT Roadway Design Manual and How Do I Use It?
Travis Hajek, P.E., Design Division, TxDOT
Chris Graf, P.E., Brownwood District, TxDOT
Curtis Hanan, P.E., Fort Worth District, TxDOT
Michelle E. Milliard, P.E., Houston District, TxDOT

2:30 – 3:00 p.m.
Super 2: Recent Research and Implementation in Energy Corridors
Kay Fitzpatrick, P.E., Ph.D., PMP, TTI
Saul Romero, P.E., Odessa District, TxDOT

3:00 – 3:30 p.m.
BREAK

Moderator:
Patrick Gant, P.E., Houston District, TxDOT

3:30 – 4:00 p.m.
How Might Connected Vehicles and Autonomous Vehicles Influence Geometric Design?
David McDonald, P.E., Ph.D., Hanson Professional Services

4:00 – 4:30 p.m.
Designing for Older Drivers
Marcus Brewer, P.E., PMP, TTI

4:30 – 5:00 p.m.
Designing for Pedestrians
Pete Krause, R.L.A., Design Division, TxDOT
Ana Ramirez Huerta, Houston District, TxDOT
**ENVIRONMENT**

**ROOM: RUDDER FORUM**

**Program and Session Co-Chairs:**
Bryan Ellis, Environmental Affairs Division, TxDOT
Joe Zietsman, P.E., Ph.D., TTI

**Moderator:**
Carlos Swonke, Environmental Affairs Division, TxDOT

1:30 – 2:00 p.m.

*Environmental Reviews Tested in Court — Update on SH 45/MoPac Lawsuit*
Doug Booher, Environmental Affairs Division, TxDOT

2:00 – 2:30 p.m.

*I-35 Capital/Alamo Connections Study — Planning in Five Dimensions*
Michael Sexton, P.E., AICP, Jacobs Engineering

2:30 – 3:00 p.m.

*Heritage Archeology and Innovative Outreach in Downtown Houston*
Jason Barrett, Ph.D., Environmental Affairs Division, TxDOT

**BREAK**

3:00 – 3:30 p.m.

*Wetland and Stream Mitigation Assessment*
Kate Zielke, North Central Texas Council of Governments

4:00 – 4:30 p.m.

*Environmental Considerations When Acquiring ROW Early*
Patrick Lee, Environmental Affairs Division, TxDOT

4:30 – 5:00 p.m.

*NEPA Assignment Update*
Carlos Swonke, Environmental Affairs Division, TxDOT

**ROOM: RUDDER FORUM**

**Program and Session Co-Chairs:**
Bryan Ellis, Environmental Affairs Division, TxDOT
Joe Zietsman, P.E., Ph.D., TTI

**Moderator:**
Carlos Swonke, Environmental Affairs Division, TxDOT

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Doug Booher, Environmental Affairs Division, TxDOT

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*Changes to PMIS Score Utility Deducts*
Elias Rmeili, P.E., Brownwood District, TxDOT

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*NEPA Assignment Update*
Carlos Swonke, Environmental Affairs Division, TxDOT

**ROOM: KOLDUS 110/111**

**Program and Session Co-Chairs:**
Michael C. Anderson, P.E., Maintenance Division, TxDOT
Tom Freeman, TTI

**Moderator:**
Blair Johnson, P.E., Amarillo District, TxDOT

1:30 – 1:45 p.m.

*Changes to PMIS Score Utility Deducts*
Elias Rmeili, P.E., Brownwood District, TxDOT

1:45 – 2:00 p.m.

*Pavement Analyst (PA) as a Tool Used in the 4-Year Pavement Planning Process*
Tom Johnston, P.E., San Angelo District, TxDOT

2:00 – 2:30 p.m.

*4-Year Pavement Planning Process*
Pedro (Pete) Alvarez, P.E., Pharr District, TxDOT
Glenn Allbritton, P.E., Wichita Falls District, TxDOT
Tomas Trevino, P.E., Corpus Christi District, TxDOT

2:30 – 3:00 p.m.

*Energy Sector: Oil/Gas and Wind Farms*
Roberto Trevino Flores, P.E., Corpus Christi District, TxDOT
Ciro Baeza, P.E., Odessa District, TxDOT
Rex Costley, P.E., Pharr District, TxDOT

3:00 – 3:30 p.m.

**BREAK**

3:30 – 4:00 p.m.

*Wetland and Stream Mitigation Assessment*
Kate Zielke, North Central Texas Council of Governments

4:00 – 4:30 p.m.

*Environmental Considerations When Acquiring ROW Early*
Patrick Lee, Environmental Affairs Division, TxDOT

4:30 – 5:00 p.m.

*NEPA Assignment Update*
Carlos Swonke, Environmental Affairs Division, TxDOT

**ROOM: KOLDUS 110/111**

**Program and Session Co-Chairs:**
Michael C. Anderson, P.E., Maintenance Division, TxDOT
Tom Freeman, TTI

**Moderator:**
Blair Johnson, P.E., Amarillo District, TxDOT

1:30 – 1:45 p.m.

*Changes to PMIS Score Utility Deducts*
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Rex Costley, P.E., Pharr District, TxDOT

3:00 – 3:30 p.m.

**BREAK**

3:30 – 4:00 p.m.

*Wetland and Stream Mitigation Assessment*
Kate Zielke, North Central Texas Council of Governments

4:00 – 4:30 p.m.

*Environmental Considerations When Acquiring ROW Early*
Patrick Lee, Environmental Affairs Division, TxDOT

4:30 – 5:00 p.m.

*NEPA Assignment Update*
Carlos Swonke, Environmental Affairs Division, TxDOT
**MATERIALS I**

**ROOM: MSC 2300 A&B**

**Program and Session Co-Chairs:**
Richard S. Williammee, Jr., P.E., Fort Worth District, TxDOT
David Newcomb, P.E., Ph.D., TTI
Edith Arambula, P.E., Ph.D., TTI

**Moderator:**
Sarah Horner, P.E., Fort Worth District, TxDOT

1:30 – 2:00 p.m.

*Use of Rejuvenators with Recycled Materials*
Edith Arambula, P.E., Ph.D., TTI

2:00 – 2:30 p.m.

*Tack, Bond and Underseal Specs*
Mike Brown, Oldcastle Materials, Texas Division
Gisel Carrasco, P.E., Austin District, TxDOT

2:30 – 3:00 p.m.

*Balanced Mix Design Update*
Travis Patton, P.E., Construction Division
Ramon Rodriguez, Laredo District

3:00 – 3:30 p.m.

**BREAK**

3:30 – 4:00 p.m.

*Ground Penetrating Radar for Density Control*
Stephen Kasberg, P.E., Waco District, TxDOT

4:00 – 4:30 p.m.

*F/LWD Deflection Acceptance*
Soheil Nazarian, P.E., Ph.D., University of Texas at El Paso

4:30 – 5:00 p.m.

*Relationship between Materials Selection, Mix Design, Pavement Design and Performance*
Andrew Wimsatt, P.E., Ph.D., Retired TxDOT/Retired TTI

**TRAFFIC OPERATIONS I**

**ROOM: MSC 2300 D&E**

**Program and Session Co-Chairs:**
Rebecca Wells, P.E., Atlanta District, TxDOT
Scott Cooner, P.E., TTI
Ed Seymour, P.E., Ph.D., TTI

**Moderator:**
Ugonna Ughanze, P.E., Houston District, TxDOT

1:30 – 2:00 p.m.

*X-Ramps vs. Diamonds: Safety and Operational Issues for Conversion*
Karen Dixon, P.E., Ph.D., TTI

2:00 – 2:30 p.m.

*Dealing with Traffic Impacts and Issues at Charter Schools*
Kelly Parma, P.E., Lee Engineering

2:30 – 3:00 p.m.

*Proactive Signal Timing and Congestion Mitigation on Arterial Roads*
Maurice Johnson, P.E., Houston District, TxDOT
Steve Chiu, EIT, Houston District, TxDOT

3:00 – 3:30 p.m.

**BREAK**

3:30 – 4:00 p.m.

*New Wiring Recommendations Based on ArcFlash Concerns and Studies*
Michael Olivo, P.E., Houston District, TxDOT
Aaron Ramirez, EIT, Traffic Operations Division, TxDOT

4:00 – 4:30 p.m.

*How to Not Drop the Ball: Task Management Tool and How to Better Manage Your RMC’s: RMC Tracker Tool*
Rafael Guzman, P.E., Laredo District, TxDOT

4:30 – 5:00 p.m.

*Traffic Engineering Measures That Solicit Positive Public Comments*
James Keener, Houston District, TxDOT
Barbara Russell, P.E., Houston District, TxDOT
Moderator:
Stephen Sebesta, TTI

WE BUILD TEXAS

8:30 – 9:30 a.m.
Program Development and Expected Results
Randy Hopmann, P.E., Administration, TxDOT

Contractor’s Role
Brad Everett, J.D. Abrams

District’s Role
Mark Jones, P.E., San Angelo District, TxDOT

9:30 – 10:00 a.m.
I-45 Innovative Technology in Construction
Delmy Reyes, P.E., Bryan District, TxDOT
Fernando Pizarro Quintanar, Webber, LLC

10:00 – 10:30 a.m.
BREAK

PAST, PRESENT AND FUTURE

10:30 – 11:00 a.m.
History of Construction in Texas
Tom Johnson, Associated General Contractors of Texas

11:00 – 11:40 a.m.
Accelerated Construction Program
Randy Hopmann, P.E., Administration, TxDOT
Phillippe Falkner, Ed Bell Construction

11:40 a.m. – Noon
Future Construction Resource Needs
Mario Jorge, P.E., San Antonio District, TxDOT
**MATERIALS II**

**ROOM: MSC 2300 A&B**

**Program and Session Co-Chairs:**
- Richard S. Williammee, Jr., P.E., Fort Worth District, TxDOT
- David Newcomb, P.E., Ph.D., TTI
- Edith Arambula, P.E., Ph.D., TTI

**Moderator:**
Ramon Rodriguez, Laredo District, TxDOT

**8:30 – 9:15 a.m.**

**Basics of Soils**
Dallas Little, P.E., Ph.D., TTI

**9:15 – 10:00 a.m.**

**Basics of Aggregates**
Michael Dawidczik, P.G., Construction Division, TxDOT

**10:00 – 10:30 a.m.**

**BREAK**

**10:30 – 11:15 a.m.**

**Basics of Hot Mix**
Buzz Powell, P.E., Ph.D., National Center for Asphalt Technology

**11:15 – Noon**

**Basics of Concrete**
Andy Naranjo, P.E., Construction Division, TxDOT

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**PLANNING**

**ROOM: RUDDER THEATRE**

**Program and Session Co-Chairs:**
- Peter Smith, P.E., Transportation Planning and Programming Division, TxDOT
- Ed Hard, TTI
- Katie Turnbull, Ph.D., TTI

**Moderator:**
Johanna Zmud, TTI

**PART 1: PLANNING TECHNOLOGY AND INNOVATION**

**8:30 – 8:50 a.m.**

**Integration of AV/CV: Scenarios and Influences on the Status Quo**
Katie Turnbull, Ph.D., TTI

**8:50 – 9:10 a.m.**

**Planning and Mobility Impacts of AV/CV in an Urban Setting**
Tom Bamonte, North Central Texas Council of Governments

**9:10 – 10:00 a.m.**

**The Smart State Initiative and Benefits of Technological Advances on the Texas Transportation Network**
Kristie Chin, University of Texas at Austin Center for Transportation Research representing the Texas Technology Task Force and Texas Innovation Alliance

**10:00 – 10:30 a.m.**

**BREAK**

**PART 2: NEW PLANNING AND PROJECT RESOURCES YOU CAN USE**

**Moderator:**
Peggy Thurin, Transportation Planning and Programming Division, TxDOT

**10:30 – 10:50 a.m.**

**The New Decision Lens Software for Ranking Projects**
Michelle Conkle, Transportation Planning and Programming Division, TxDOT

**10:50 – 11:10 a.m.**

**TxDOT Project Tracker System/Open Data**
Michael Chamberlain, Transportation Planning and Programming Division, TxDOT

**11:10 – 11:30 a.m.**

**TxDOT’s Travel Demand Model Dashboard: A New On-Line Resource**
Chris Didear, Transportation Planning and Programming Division, TxDOT

**11:30 a.m. – Noon**

**Valuable Uses of Cell, GPS, and Bluetooth Data: Results from the Dallas-Fort Worth Region**
Byron Chigoy, TTI
**PROJECT MANAGEMENT**

**ROOM: RUDDER AUDITORIUM**

**Program and Session Co-Chairs:**
Duane Milligan, P.E., Dallas District, TxDOT
John Habermann, P.E., TTI

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**Moderator:**
Duane Milligan, P.E., Dallas District, TxDOT

**8:30 – 9:10 a.m.**
*The Dallas Horseshoe Project — We Build Texas in Practice*
Cession Clemens, P.E., Dallas District, TxDOT
Bob Stevens, Pegasus Link Constructors, LLC

**9:10 – 9:35 a.m.**
*Construction Engineering and Inspection: Consultant Perspective*
Tracey Friggle Logan, P.E., HNTB

**9:35 – 10:00 a.m.**
*Construction Engineering and Inspection: TxDOT Perspective*
Frank Leong, P.E., Houston District, TxDOT

**10:00 – 10:30 a.m.**
**BREAK**

**10:30 – 10:55 a.m.**
*Modernize Portfolio and Project Management Initiative*
Erika Kemp, PMP, CTCM, Transportation Planning and Programming Division, TxDOT

**10:55 – 11:20 a.m.**
*Increasing the Value of Project Management at TxDOT*
Melba Schaus, P.E., Transportation Planning and Programming Division, TxDOT

**11:20 a.m. – Noon**
*Harbor Bridge Project*
Valente Olivarez Jr., P.E., Corpus Christi District, TxDOT
Joseph Briones, P.E., Corpus Christi District, TxDOT

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**RIGHT OF WAY**

**ROOM: RUDDER FORUM**

**Program and Session Co-Chairs:**
Kyle Madsen, J.D., Right of Way Division, TxDOT
John Overman, AICP, P.G., TTI
Cesar Quiroga, P.E., Ph.D., TTI

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**Moderator:**
Kyle Madsen, J.D., Right of Way Division, TxDOT

**8:30 – 9:00 a.m.**
*Best Practices for Advanced Acquisition — HB 2646 and Beyond*
Randy Ward, J.D., Right of Way Division, TxDOT
Darby Venza, J.D., Right of Way Division, TxDOT

**9:00 – 9:30 a.m.**
*Best Practices for Getting Your Right-of-Way Project Started Right Away*
Crystal Damron, Right of Way Division, TxDOT
Lizeth Sandoval, San Antonio District, TxDOT

**9:30 – 10:00 a.m.**
*Best Practices to Getting Your Parcels Cleared for Construction*
David Harrah, SR/WA, Austin District, TxDOT
Guy Sledge, Right of Way Division, TxDOT

**10:00 – 10:30 a.m.**
**BREAK**

**10:30 – 10:50 a.m.**
*Best Practices for Testifying at an Eminent Domain Case — Advice from the Office of the Attorney General on what to Do and What Not to Do*
Clint Harbor, J.D., Assistant Attorney General

**10:50 – 11:15 a.m.**
*Best Practices for Managing Your Utility Portfolio*
Charon Williams, E.I.T., Right of Way Division, TxDOT
Tim Kirkpatrick, Right of Way Division, TxDOT

**11:15 – 11:35 a.m.**
*Best Practices for Utility Industry Partnering*
Lora Gunter, J.D., Fort Worth District, TxDOT
Roger Lindsey, Oncor Electric Delivery Company

**11:35 a.m. – Noon**
*Case Study of a Successful Project — Tying It All Together*
Anna Pulido, P.E., San Antonio District, TxDOT
Albrina Coleman, San Antonio District, TxDOT
David Pulido, P.E., San Antonio District, TxDOT
STRUCTURES AND HYDRAULICS

ROOM: GATES BALLROOM–MSC 2400

Program and Session Co-Chairs:
Bonnie Longley, P.E., San Antonio District, TxDOT
Mary Beth Hueste, P.E., Ph.D., Texas A&M University and TTI

8:30 – 9:00 a.m.

Hydraulics — 2017 Updates
Abderrahmane Maamar-Tayeb, P.E., Design Division, TxDOT
Lucinda Soto, P.E., Design Division, TxDOT

9:00 – 9:20 a.m.

Modeling Future Flood Peak Flows in the San Antonio River Basin
Huilin Gao, Ph.D., Texas A&M University

9:20 – 9:40 a.m.

InspectTech — New Bridge Inspection Software
Mark Burwell, Fort Worth District, TxDOT

9:40 – 10:00 a.m.

Successful Implementation of Steel Coating and Other Bridge Rehab Projects
Aaron Garza, P.E., Bridge Division, TxDOT

10:00 – 10:30 a.m.

BREAK

10:30 – 10:50 a.m.

Implementing New Materials — Corrosion-Resistant Reinforcing
Trenton Ellis, P.E., Bridge Division, TxDOT

10:50 – 11:10 a.m.

Pre-stressed Concrete Bent Caps
Chris Miller, P.E., Bridge Division, TxDOT

11:10 – 11:30 a.m.

Large Diameter Drilled Shafts
Marie Fisk, P.E., Bridge Division, TxDOT

11:30 a.m. – Noon

Accelerated Bridge Replacement at West Dallas Street — Houston District
Paul Eley, Houston District, TxDOT
Graham Bettis, P.E., Bridge Division, TxDOT

ROOM: MSC 2300 D&E

Program and Session Co-Chairs:
Rebecca Wells, P.E., Atlanta District, TxDOT
Scott Cooner, P.E., TTI
Ed Seymour, P.E., Ph.D., TTI

8:30 – 9:00 a.m.

TxDOT Connected Vehicle Wrong-Way Driving Research
Melisa Finley, P.E., TTI

9:00 – 9:30 a.m.

Travel Time Reliability and Performance Metrics
David Fink, P.E., Houston District, TxDOT

9:30 – 10:00 a.m.

Benefits of the Different Types of Smart Work Zone Systems
Gerald Ullman, P.E., Ph.D., TTI

10:00 – 10:30 a.m.

BREAK

10:30 – 11:00 a.m.

Innovative Tools and Techniques in Identifying Highway Safety Improvement Projects
Ioannis Tsapakis, Ph.D., TTI
Bahar Dadashova, TTI

11:00 – 11:30 a.m.

Rural ITS Solutions
James E. Moore II, Atlanta District, TxDOT

11:30 a.m. – Noon

Doing a Big Project in a Small City: Preparing for the Future George Bush Drive-Wellborn Road Interchange
Tim Lomax, P.E., Ph.D., TTI
Chad Bohne, P.E., Bryan District, TxDOT
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 it include technical, ethical or managerial content?

The board wants the reporting process to be as simple as possible, and, as such, 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.
### MONDAY, OCTOBER 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30 p.m. – 4:30 p.m.</td>
<td>Texas Board of Professional Engineers — Professional Practice Update/Ethics</td>
<td>Brazos County Expo Complex Texas Ballrooms</td>
</tr>
<tr>
<td>OR</td>
<td>(Open to All Short Course Attendees)</td>
<td></td>
</tr>
<tr>
<td>5:00 p.m. – 6:00 p.m.</td>
<td>Texas Board of Professional Engineers — Professional Practice Update/Ethics</td>
<td>Brazos County Expo Complex Texas Ballrooms</td>
</tr>
<tr>
<td>(TxDOT Employees Only)</td>
<td>(Open to All Short Course Attendees)</td>
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</table>

*This course satisfies the TBPE requirement for 1.0 hour of continuing education in ethics.*

### TUESDAY, OCTOBER 10

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 a.m. – Noon</td>
<td><strong>OPENING SESSION</strong> Rudder Auditorium</td>
<td></td>
</tr>
<tr>
<td>1:30 p.m. – 5:00 p.m.</td>
<td>Lunch on your own</td>
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<tr>
<td></td>
<td><strong>SESSION</strong></td>
<td><strong>LOCATION</strong></td>
</tr>
<tr>
<td></td>
<td>Alternative Delivery</td>
<td>Rudder Theatre</td>
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<tr>
<td></td>
<td>Construction I</td>
<td>MSC 2300 C</td>
</tr>
<tr>
<td></td>
<td>Design</td>
<td>Rudder Auditorium</td>
</tr>
<tr>
<td></td>
<td>Environment</td>
<td>Rudder Forum</td>
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<tr>
<td></td>
<td>Maintenance and Pavement Management</td>
<td>Koldus 110/111</td>
</tr>
<tr>
<td></td>
<td>Materials I</td>
<td>MSC 2300 A&amp;B</td>
</tr>
<tr>
<td></td>
<td>Traffic Operations I</td>
<td>MSC 2300 D&amp;E</td>
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### WEDNESDAY, OCTOBER 11

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30 a.m. – Noon</td>
<td><strong>SESSION</strong></td>
<td><strong>LOCATION</strong></td>
</tr>
<tr>
<td></td>
<td>Construction II</td>
<td>MSC 2300 C</td>
</tr>
<tr>
<td></td>
<td>Materials II</td>
<td>MSC 2300 A&amp;B</td>
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<tr>
<td></td>
<td>Planning</td>
<td>Rudder Theatre</td>
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<td></td>
<td>Project Management</td>
<td>Rudder Auditorium</td>
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<td></td>
<td>Right of Way</td>
<td>Rudder Forum</td>
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<tr>
<td></td>
<td>Structures and Hydraulics</td>
<td>Gates Ballroom–MSC 2400</td>
</tr>
<tr>
<td></td>
<td>Traffic Operations II</td>
<td>MSC 2300 D&amp;E</td>
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92nd Annual Transportation Short Course
October 15–17, 2018
Texas A&M University
College Station, TX