



NINETY
THIRD
ANNUAL

**TRANSPORTATION
SHORT COURSE**

**Improving the quality of life
for all Texans.**



October 14-16, 2019
Texas A&M University
College Station, Texas

TUESDAY

OCTOBER 15

RUDDER AUDITORIUM

8:30 A.M. – NOON

In Memoriam

Jack T. Trammell
District Engineer, Pharr District
Retired: 1993

Lawrence Jester
District Engineer, Atlanta District
Retired: 1993

Marcus Yancey
Deputy Executive Director
Retired: 1993

Carol Zeigler
District Engineer, Bryan District
Retired: 1993

Lawrence Smith
Director, Motor Carrier Division
Retired: 2003

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

Levi McClenny
Student Regent
The Texas A&M University System
Board of Regents

**Remarks on Behalf
 of the Texas A&M
 Transportation Institute**

Greg Winfree
Agency Director
Texas A&M Transportation Institute (TTI)

Special Address

Robert Nichols
Senator
Texas Senate

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

Keynote Address

Shelley Row
President & CEO
Shelley Row Associates, LLC

**Remarks on Behalf
 of the Texas Department
 of Transportation**

James Bass
Executive Director
Texas Department of Transportation
(TxDOT)

Extra Mile Awards

TxDOT

ETHICS FOR TRANSPORTATION PROFESSIONALS

ROOM: RUDDER AUDITORIUM

3:30 – 4:30 p.m.

ETHICS SESSION*

Texas Board of Professional Engineers (TBPE) — Professional Practice Update/Ethics: Updates on Engineering Ethics and Code of Conduct, Board Activities, Rule and Statutory Changes, and General Updates on Board Initiatives

Dr. Lance Kinney, P.E.

Executive Director
Texas Board of Professional Engineers
and Land Surveyors

**This course was designed to satisfy the TBPE requirements.*

BRIDGES

ROOM: MSC 2300 D & E

Program and Session Co-chairs:

Graham Bettis, Bridge Division, TxDOT
Anna Birely, Ph.D., TTI

Moderator:

Kevin Pruski, Bridge Division, TxDOT

Bridge System Safety Program

Bernie Carrasco, Bridge Division, TxDOT

Bridges to Prosperity

Michelle Romage-Chambers, Austin District, TxDOT

Bridge Construction Engineering and Inspection (CEI) Panel Discussion

Matt Paggioli, Webber Construction

Ralph Browne, Browne Engineering Partners

Greg Cedillo, P.E., Fort Worth District, TxDOT

Leon Flournoy, San Antonio District, TxDOT

Doug Beer, Bridge Division, TxDOT

BREAK

Moderator:

Jamie Farris, Bridge Division, TxDOT

Paris District's In-House Bridge Crew

Tommy Henderson, Paris District, TxDOT

Accelerated Bridge Construction Design

Robert Owens, Bridge Division, TxDOT

Soil Nailing Best Practices and Problems

Sean Yoon, Bridge Division, TxDOT

1:30 – 1:50 p.m.

1:50 – 2:10 p.m.

2:10 – 3:00 p.m.

3:00 – 3:30 p.m.

3:30 – 4:00 p.m.

4:00 – 4:30 p.m.

4:30 – 5:00 p.m.

CONSTRUCTION I

ROOM: MSC 2300 A-C

Program and Session Co-chairs:

Duane Milligan, P.E., Construction Division, TxDOT
Jon Epps, Ph.D., P.E., TTI
Darlene Goehl, P.E., TTI

Moderator:

Bill Compton, P.E., Waco District, TxDOT

Contracting Methods

H. David Jeong, Ph.D., TTI

**A+B Bidding and Contract Milestones —
TxDOT Perspective**

Amanda Moser, P.E., Dallas District, TxDOT

**A+B Bidding and Contract Milestones —
Contractor Perspective**

Doug Nall, Fluor Heavy Civil

Facilitated Discussion on Contracting

Moderator:

Gina Gallegos, P.E., Construction Division, TxDOT

Panelists:

H. David Jeong, Ph.D., TTI
Amanda Moser, P.E., Dallas District, TxDOT
Doug Nall, Fluor Heavy Civil

BREAK

Moderator:

Shannon Ramos, P.E., Lufkin District, TxDOT

Traffic Control

Kunhee (KC) Choi, Ph.D., M.ASCE, TTI

Materials Selection and Pavement Design

Lacy Peters, P.E., Atlanta District, TxDOT

**Accelerated Construction —
A TEXRail Project Overview**

Matt Hemsath, P.E., Archer Western

Doug VanSlambrook, Archer Western

1:30 – 1:50 p.m.

1:50 – 2:10 p.m.

2:10 – 2:30 p.m.

2:30 – 3:00 p.m.

3:00 – 3:30 p.m.

3:30 – 3:50 p.m.

3:50 – 4:10 p.m.

4:10 – 5:00 p.m.

ENVIRONMENT

ROOM: RUDDER FORUM

Program and Session Co-chairs:

Bryan Ellis, Environmental Affairs Division, TxDOT
Jolanda Prozzi, TTI

Moderator:

Carlos Swonke, Environmental Affairs Division, TxDOT

1:30 – 2:00 p.m.

Online Engagement — Maximizing Public Participation

Susan Howard, Transportation Planning and Programming Division, TxDOT

2:00 – 2:30 p.m.

Recent Changes to ENV's Public Involvement Requirements

Patrick Lee, Environmental Affairs Division, TxDOT

2:30 – 3:00 p.m.

New 2019 Noise Policy

Ray Umscheid, Environmental Affairs Division, TxDOT

3:00 – 3:30 p.m.

Meredith Worthen, Environmental Affairs Division, TxDOT

3:30 – 4:00 p.m.

BREAK

Impacts of Texas Roadways on Monarch Butterflies

James Tracy, Ph.D., Texas A&M University, Department of Entomology

Jett McFalls, TTI

4:00 – 4:30 p.m.

Integrating Wildlife Crossings into TxDOT's Planning and Design Process

Stirling Robertson, Ph.D., Environmental Affairs Division, TxDOT

John Young, Ph.D., Environmental Affairs Division, TxDOT

4:30 – 5:00 p.m.

Managing Environmental Compliance during Construction and at TxDOT Facilities

Tracey Janus, P.G., Environmental Affairs Division, TxDOT

David Nuckels, Environmental Affairs Division, TxDOT

HYDRAULICS

ROOM: RUDDER AUDITORIUM

Program and Session Co-chairs:

Kathleen D. Newton, P.E., CFM,
Austin District, TxDOT

Stefan Hurlebaus, Dr.-Ing., TTI

Moderator:

Kevin Moyer, P.E., Austin District, TxDOT

1:30 – 1:50 p.m.

Hydraulic Research Program Summary
Abderrahmane Maamar-Tayeb, P.E.,
Design Division, TxDOT

1:50 – 2:20 p.m.

Scour Analysis Requirements for Bridge Folders
Mark Wallace, P.E., Bridge Division, TxDOT

2:20 – 2:40 p.m.

Hydraulic Design Manual (HDM) Updates — Hydrology, Coastal, and Stormwater Management
Abderrahmane Maamar-Tayeb, P.E.,
Design Division, TxDOT

2:40 – 3:00 p.m.

Using Open Roads Designer Subsurface Utilities (ORD) for Drainage Design
Abderrahmane Maamar-Tayeb, P.E.,
Design Division, TxDOT

3:00 – 3:30 p.m.

BREAK

3:30 – 4:15 p.m.

Guideline Development for Two-Dimensional Hydraulic Modeling
Abderrahmane Maamar-Tayeb, P.E.,
Design Division, TxDOT

4:15 – 5:00 p.m.

Discharge Control onto TxDOT ROW Panel Discussion
Nellie Shannon, P.E., CFM, San Antonio District, TxDOT
Kathleen Newton, P.E., CFM, Austin District, TxDOT

MAINTENANCE AND PAVEMENT MANAGEMENT

ROOM: RUDDER THEATRE

Program and Session Co-chairs:

Dan Stacks, P.E., Maintenance Division, TxDOT

Tom Freeman, TTI

Charles Gurganus, P.E., Ph.D., TTI

Moderator:

Glenn Allbritton, P.E., Wichita Falls District, TxDOT

1:30 – 1:50 p.m.

Importance of Pavement Design and District Support
Roberto Trevino Flores, P.E., Maintenance Division, TxDOT

1:50 – 2:10 p.m.

Full-Depth Reclamation Case Studies
Diana Rogerio, P.E., San Antonio District, TxDOT

2:10 – 2:30 p.m.

Evolution of PMIS and Current Usage
Jenny Li, P.E., Maintenance Division, TxDOT

2:30 – 3:00 p.m.

System Safety in Pavement Projects
Eric Lykins, P.E., Brownwood District, TxDOT
Miguel Arellano, P.E., Austin District, TxDOT

3:00 – 3:30 p.m.

BREAK

Moderator:

Mike Walsh, P.E., Yoakum District, TxDOT

3:30 – 3:50 p.m.

Road/Safety and Traffic Control Device Material Contracts
Alanna Bettis, P.E., Maintenance Division, TxDOT
Jason Dupree, P.E., Atlanta District, TxDOT

3:50 – 4:10 p.m.

Emergency Management — FY19 Highlights/86th Legislature Impacts
Brian Dodge, Maintenance Division, TxDOT

4:10 – 4:30 p.m.

Rest Area Program Update
Brent Johnson, P.E., Maintenance Division, TxDOT

4:30 – 5:00 p.m.

Project Revegetation Considerations
Dennis Markwardt, Maintenance Division, TxDOT
Andrew Chisholm, Brownwood District, TxDOT

MATERIALS

ROOM: CENTURY BALLROOM III & IV,
TEXAS A&M CONFERENCE HOTEL

Program and Session Co-chairs:

Jere A. “Buddy” Williams, P.E., TxDOT
David Newcomb, P.E., Ph.D., TTI
Fujie Zhou, P.E., Ph.D., TTI

Moderator:

Travis Patton, P.E., MTD, TxDOT

1:30 – 2:00 p.m.

Balanced Mix Design

Ryan Barborak, P.E., MTD, Flexible Pavements
Section, TxDOT

2:00 – 2:15 p.m.

Binder Testing — New Parameters

Amy Epps-Martin, P.E., Ph.D., TTI

2:15 – 2:30 p.m.

Binder Testing — MSCR and ER

Enad Mahmoud, P.E., Ph.D., MTD, Flexible
Pavements Section, Asphalt Binder Branch, TxDOT

2:30 – 2:45 p.m.

**Alternative Inspection Methods —
Design-Build QC and Statistics**

David Newcomb, P.E., Ph.D., TTI

2:45 – 3:00 p.m.

**Alternative Inspection Methods — QC/QA
of Prefabricated Structural Materials**

Christina Gutierrez, P.E., MTD, Prefabricated
Structural Materials Section, TxDOT

3:00 – 3:30 p.m.

BREAK

Moderator:

Arash Motamed, P.E., Ph.D., MTD, TxDOT

3:30 – 4:00 p.m.

Aggregate — Quarry Balancing

Harry Bush, Jr., P.E., Vulcan Materials

4:00 – 4:30 p.m.

Concrete Basics

Rachel Cano, P.E., MTD, Rigid Pavements and
Concrete Materials Section, TxDOT

4:30 – 5:00 p.m.

**Update on Soils and Aggregates
Test Procedures**

Richard Izzo, P.E., MTD, Soils and Aggregates,
TxDOT Section

TRAFFIC OPERATIONS I

ROOM: CENTURY BALLROOM I & II,
TEXAS A&M CONFERENCE HOTEL

Program and Session Co-chairs:

America B. Garza, P.E., Corpus Christi District, TxDOT
Scott Cooner, P.E., TTI
Ed Seymour, P.E., Ph.D., TTI

Moderator:

Jeremy Dearing, P.E., Lubbock District, TxDOT

1:30 – 2:00 p.m.

Crash Data Analysis 101

Jim Hollis, Traffic Safety Division, TxDOT

2:00 – 2:30 p.m.

**Evaluation of Fort Worth District
Pilot — Wrong Way Driving Program**

Theresa Poer, P.E., Fort Worth District, TxDOT
Scott Cooner, P.E., TTI

2:30 – 3:00 p.m.

**Closely Spaced Multi-lane Roundabouts
in El Paso**

Eduardo Perales, P.E., El Paso District, TxDOT

3:00 – 3:30 p.m.

BREAK

3:30 – 4:00 p.m.

**Cooperative Automated Transportation
Strategic Plan**

Jianming Ma, P.E., Ph.D., Traffic Safety
Division, TxDOT

4:00 – 4:30 p.m.

**Adapting Pavement Markings to Support
Highway Safety and Automated Vehicle
Technologies**

Paul Carlson, P.E., Ph.D., Road Infrastructure, Inc.

4:30 – 5:00 p.m.

FM 1960 SPaT Challenge in Houston

Steve Chiu, E.I.T., Houston District, TxDOT

ALTERNATIVE DELIVERY PROGRAM

**ROOM: CENTURY BALLROOM III & IV,
TEXAS A&M CONFERENCE HOTEL**

Program and Session Co-chairs:

Sachin Kunagalli, P.E., Project Finance, Debt and Strategic Contracts, TxDOT

Jason Crawford, P.E., TTI

8:30 – 8:50 a.m.

Opening Remarks

William L. Hale, P.E., Administration, TxDOT

Brian R. Barth, P.E., Project Planning and Development, TxDOT

Benjamin H. Asher, Project Finance, Debt and Strategic Contracts, TxDOT

8:50 – 9:20 a.m.

***Houston District Discussion —
I-45 Challenges***

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

9:20 – 9:45 a.m.

***What’s New in Design-Build Programmatic
World***

Scott J. Spradlin, P.E., Project Finance, Debt and Strategic Contracts, TxDOT

Joe Adams, PMP, Project Finance, Debt and Strategic Contracts, TxDOT

9:45 – 10:00 a.m.

***Long-Term Maintenance Contracts —
Dallas Experience***

Leonardo Acosta, P.E., Dallas District, TxDOT

10:00 – 10:30 a.m

BREAK

10:30 – 10:45 a.m.

***How Familiar Are You with The Latest
Design-Build Quality Requirements?***

Miles R. Garrison, P.E., Materials and Tests Division, TxDOT

10:45 – 11:10 a.m.

***Use of Technology in Alternative Delivery
Projects***

Justin D. Thomey, P.E., Fort Worth District, TxDOT

11:10 – 11:30 a.m.

Managing Your Design-Build Utility Risk

Richard A. Camero, P.E., Project Finance, Debt and Strategic Contracts, TxDOT

11:30 a.m. – Noon

Lessons Learned from Recent Procurements

Norma Y. Garza, P.E., Pharr District, TxDOT

Grace Y. Lo, P.E., Dallas District, TxDOT

Ashton M. Strong, P.E., Dallas District, TxDOT

CONSTRUCTION II

ROOM: MSC 2300 A-C

Program and Session Co-chairs:

Duane Milligan, P.E., Construction Division, TxDOT

Jon Epps, Ph.D., P.E., TTI

Darlene Goehl, P.E., TTI

Moderator:

Kim Garner, P.E., Atlanta District, TxDOT

Advanced Traffic Control Techniques

Jace Lee, P.E., Bryan District, TxDOT

Improving Pavement Surface Friction

Eric Lykins, P.E., Brownwood District, TxDOT

Lessons Learned from Forensic Studies

Tom Scullion, P.E., TTI

RM 2900 Bridge Replacement

Cathy Kratz, P.E., Austin District, TxDOT

Facilitated Discussion on Innovation

Moderator:

Darlene Goehl, P.E., TTI

Panelists:

Jace Lee, P.E., Bryan District, TxDOT

Eric Lykins, P.E., Brownwood District, TxDOT

Tom Scullion, P.E., TTI

Cathy Kratz, P.E., Austin District, TxDOT

BREAK

Moderator:

Greg Cedillo, P.E., Fort Worth District, TxDOT

Construction Engineering and Inspection Contractor Procurement

Chris Henry, P.E., Professional Engineering Procurement Services Division, TxDOT

SiteManager Developments

Aaron Lenz, Construction Division, TxDOT

Inspector Development Program

Carlos Rodriguez, P.E., Construction Division, TxDOT

Jennifer Keller, Construction Division, TxDOT

Hot-Mix Asphalt Learning Opportunities

Chuck Fuller, Texas Asphalt Pavements Association

Facilitated Discussion on Construction Resources

Moderator:

Duane Milligan, P.E., Construction Division, TxDOT

Panelists:

Chris Henry, P.E., Professional Engineering Procurement Services Division, TxDOT

Aaron Lenz, Construction Division, TxDOT

Jennifer Keller, Construction Division, TxDOT

Chuck Fuller, Texas Asphalt Pavements Association

Carlos Rodriguez, P.E., Construction Division TxDOT

8:30 - 8:50 a.m.

8:50 - 9:10 a.m.

9:10 - 9:30 a.m.

9:30 - 9:45 a.m.

9:45 - 10:00 a.m.

10:00 - 10:30 a.m.

10:30 - 10:45 a.m.

10:45 - 11:00 a.m.

11:00 - 11:15 a.m.

11:15 - 11:30 a.m.

11:30 a.m. - Noon

CONSULTANT MANAGEMENT

ROOM: RUDDER THEATRE

Program and Session Co-chairs:

Vernon Webb, P.E., Tyler District, TxDOT

Melisa Finley, P.E., TTI

Moderator:

Kylan Francis, P.E., Lubbock District, TxDOT

8:30 - 9:00 a.m.

Evaluations, Providing Consistency Across Districts

James Lutz, P.E., Pape-Dawson Engineers, Inc.

Lacey Rodgers, P.E., Dallas District, TxDOT

9:00 - 9:20 a.m.

Annual Rate Negotiations

Norma Glasscock, P.E., Professional Engineering Procurement Services Division, TxDOT

9:20 - 10:00 a.m.

Selecting the Appropriate Contract for the Project

Mickey Marlow, P.E., Pape-Dawson Engineers, Inc.

Jeffery Vinklarek, P.E., Yoakum District, TxDOT

10:00 - 10:30 a.m.

BREAK

Moderator:

Eddie Reyes, P.E., San Antonio District, TxDOT

10:30 - 11:45 a.m.

An Industry Perspective on CEI Contracts

Craig Morgan, Hunter Industries, Ltd.

Seth Schulgen, Williams Brothers Construction

Howard Holland, P.E., Raba Kistner

Shane Cunningham, P.E., Tyler District, TxDOT

11:45 a.m. - Noon

Funding Forecast

Martin L. Rodin, P.E., Professional Engineering Procurement Services Division, TxDOT

DESIGN

ROOM: RUDDER AUDITORIUM

Program and Session Co-chairs:

Sharlotte Teague, P.E., Design Division, TxDOT
Marcus Brewer, P.E., TTI

Moderator:

Kit Black, P.E., Amarillo District, TxDOT

8:30 – 9:00 a.m.

System Safety — Update/Status on Roadway Safety Score Tool

Jessica Butler, P.E., Design Division, TxDOT
Karen Dixon, P.E., TTI
Gabriel Longoria, P.E., Corpus Christi, TxDOT

9:00 – 9:30 a.m.

System Safety — Roadway Safety Assessment

Stephen Ratke, P.E., Federal Highway Administration (FHWA)

9:30 – 10:00 a.m.

San Antonio’s I-35NEX Project (Elevated Express Lanes)

Daniel Worden, P.E., San Antonio District, TxDOT

10:00 – 10:30 a.m.

BREAK

10:30 – 11:00 a.m.

Pedestrian Mobility/Accessibility/Safety Program

Pete Krause, R.L.A., Design Division, TxDOT
Rebecca Byford, P.E., Design Division, TxDOT

11:00 – 11:30 a.m.

Aerial Surveys and Mapping Accuracy Assessments (Ground Truthing)

John Dulski, Design Division, TxDOT

11:30 a.m. – Noon

Austin’s Capital Express (North, Central, South)

Heather Ashley-Nguyen, P.E., Austin District, TxDOT

PLANNING

ROOM: RUDDER FORUM

Program and Session Co-chairs:

Peter Smith, P.E., Transportation Planning and Programming Division, TxDOT
Ed Hard, TTI
Katie Turnbull, Ph.D., TTI

SMART PLANNING AND ENGAGEMENT

Moderator:

Tina Geiselbrecht, TTI

8:30 – 8:50 a.m.

A Congestion Management Assessment Tool for Texas

Casey Dusza, Transportation Planning and Programming Division, TxDOT

8:50 – 9:10 a.m.

Virtual Public Involvement

Robert Washington, FHWA

9:10 – 9:30 a.m.

Developing a Resilient Transportation System

Jolanda Prozzi, TTI

9:30 – 10:00 a.m.

Full-Cycle Performance-Based Planning

Peter Smith, Transportation Planning and Programming Division, TxDOT

10:00 – 10:30 a.m.

BREAK

EMERGING TECHNOLOGY AND BIG DATA

Moderator:

Roger Beall, Transportation Policy Board, TxDOT

10:30 – 11:10 a.m.

Unmanned Aerial Systems

John Haynes, FHWA Utah Division

11:10 – 11:25 a.m.

Low-Speed Autonomous Shuttles

Katie Turnbull, Ph.D., TTI

11:25 – 11:40 a.m.

View of Permian Oil Field Traffic Using Big Data

David Schrank, Ph.D., TTI

11:40 a.m. – Noon

Texas Bicycle and Pedestrian Count Exchange

Bonnie Sherman, TxDOT

PROJECT MANAGEMENT

ROOM: MSC 2300 D & E

Program and Session Co-chairs:

Jonathan Bean, P.E., San Antonio District, TxDOT

David Ford, P.E., Ph.D., TTI

John Habermann, P.E., TTI

Moderator:

Jonathan Bean, P.E., San Antonio District, TxDOT

8:30 – 8:50 a.m.

***TxDOTConnect — It's Finally Here!
What Now?***

Erika Kemp, Transportation Programs Division,
TxDOT

8:50 – 9:40 a.m.

***Project Development in an Accelerated
Environment Best Practices and Lessons
Learned — Panel Discussion***

Kelly Morris, P.E., Lufkin District, TxDOT

Victor Goebel, P.E., Waco District, TxDOT

Doug Marino, P.E., Bryan District, TxDOT

Travis Campbell, P.E., Dallas District, TxDOT

9:40 – 10:00 a.m.

***Data-Driven Safety Analysis —
FHWA Every Day Counts Initiative***

Robert Wunderlich, P.E., TTI

10:00 – 10:30 a.m.

BREAK

Moderator:

Clayton Ripps, P.E., San Antonio District, TxDOT

10:30 – 11:00 a.m.

***UPRR Project Coordination —
What's Changed?***

Robert Travis, P.E., Rail Division, TxDOT

Douglas Woods, Union Pacific Railroad

11:00 – 11:30 a.m.

***Planning for Economic Cycles —
Permian Basin Case Study***

Jim Cline, P.E., TTI

John Speed, P.E., Odessa District, TxDOT

11:30 a.m. – Noon

***The Use of IT Collaboration and
Communication Tools in Highway Projects***

John Walewski, Ph.D., TTI

RIGHT OF WAY

ROOM: MSC 2400 GATES BALLROOM

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

8:30 – 8:40 a.m.

Introduction

Kyle Madsen, Right of Way Division, TxDOT

8:40 – 9:30 a.m.

Moderator:

Charon Williams, Right of Way Division, TxDOT

***The Bridge to a Better Quality of Life —
Hillcrest Neighborhood Relocation
Associated with the Harbor Bridge Project***

Ray Armstrong, SRWA, OPC

Jeff Taylor, OPC

9:30 – 10:00 a.m.

***How the Real Property Asset Map is
Improving the Way We Do Business in
District Operations***

Jae Baag, P.E., Dallas District, TxDOT

Eduardo Garcia, Right of Way Division, TxDOT

10:00 – 10:30 a.m.

BREAK

Moderator:

Anna Pulido, P.E., Right of Way Division, TxDOT

10:30 – 11:15 a.m.

***The A-M-Azing Impacts of the Utility
Conflict Management Process —
Perspectives from a Utility Industry
Partner***

Ann Peche, P.E., San Antonio Water System

Nick Vasquez, P.E., San Antonio Water System

11:15 a.m. – Noon

***A Clash Waiting to Happen —
At the Intersection of Utility and
Transportation Infrastructure***

Greg Faber, Right of Way Division, TxDOT

Gabriel Longoria, P.E., Corpus Christi District,
TxDOT

**ROOM: CENTURY BALLROOM I & II,
TEXAS A&M CONFERENCE HOTEL**

Program and Session Co-chairs:

America B. Garza, P.E., Corpus Christi District,
TxDOT

Scott Cooner, P.E., TTI

Ed Seymour, P.E., Ph.D., TTI

Moderator:

Camille Marek, P.E., Yoakum District, TxDOT

8:30 – 9:00 a.m.

***Weather-Responsive Management
Strategies***

Jeremy Schroeder, P.E., Ph.D., Athey Creek
Consultants

9:00 – 9:30 a.m.

***Regional Flood Warning System —
A Case in Resiliency***

Ugonna Ughanze, P.E., Houston District, TxDOT

Valerie Taylor, P.E., Houston District, TxDOT

Darrell W. Borchardt, P.E., TTI

9:30 – 10:00 a.m.

***Challenges of Rural ITS Project from
Boerne to Pecos County***

John Gianotti, P.E., San Antonio District, TxDOT

Lewis Nowlin, P.E., San Angelo District, TxDOT

10:00 – 10:30 a.m.

BREAK

10:30 – 11:00 a.m.

***Work Zone Safety Driveway Assistance
Devices***

Eduardo Villalon, P.E., CFM, San Antonio
District, TxDOT

11:00 – 11:30 a.m.

***Effective Planning for Major Closures
in the SH 360–I-30 Interchange Project***

David M. Hallion, P.E., PTOE, Kimley-Horn

Jason Crawford, P.E., TTI

11:30 a.m. – Noon

***Dynamic Traffic Assignment Modeling
to Assess ICM Strategies on I-35***

John Nevares, P.E., Austin District, TxDOT

Jeff Shelton, TTI

Restaurants in Downtown Bryan:

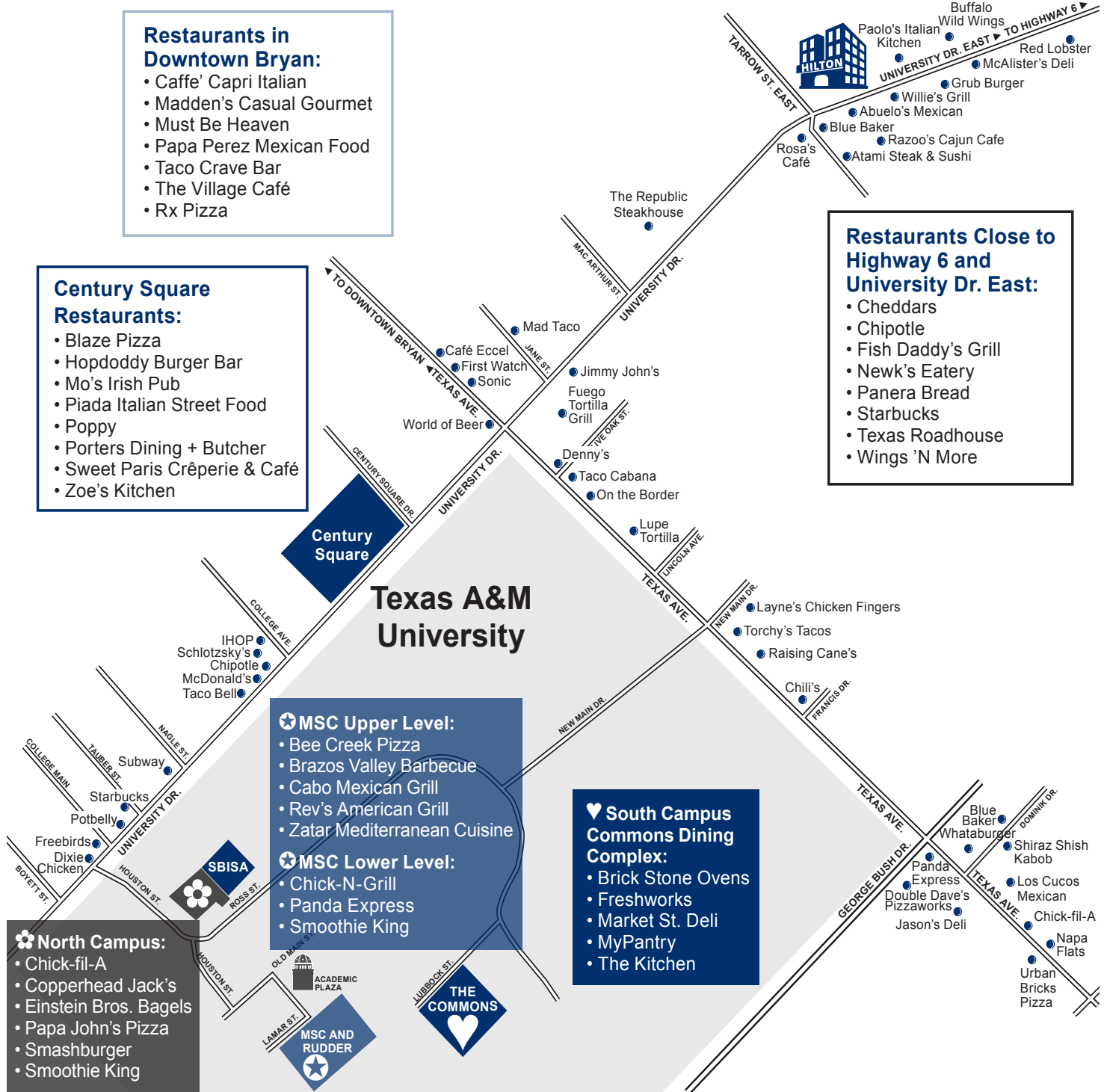
- Caffè Capri Italian
- Madden's Casual Gourmet
- Must Be Heaven
- Papa Perez Mexican Food
- Taco Crave Bar
- The Village Café
- Rx Pizza

Century Square Restaurants:

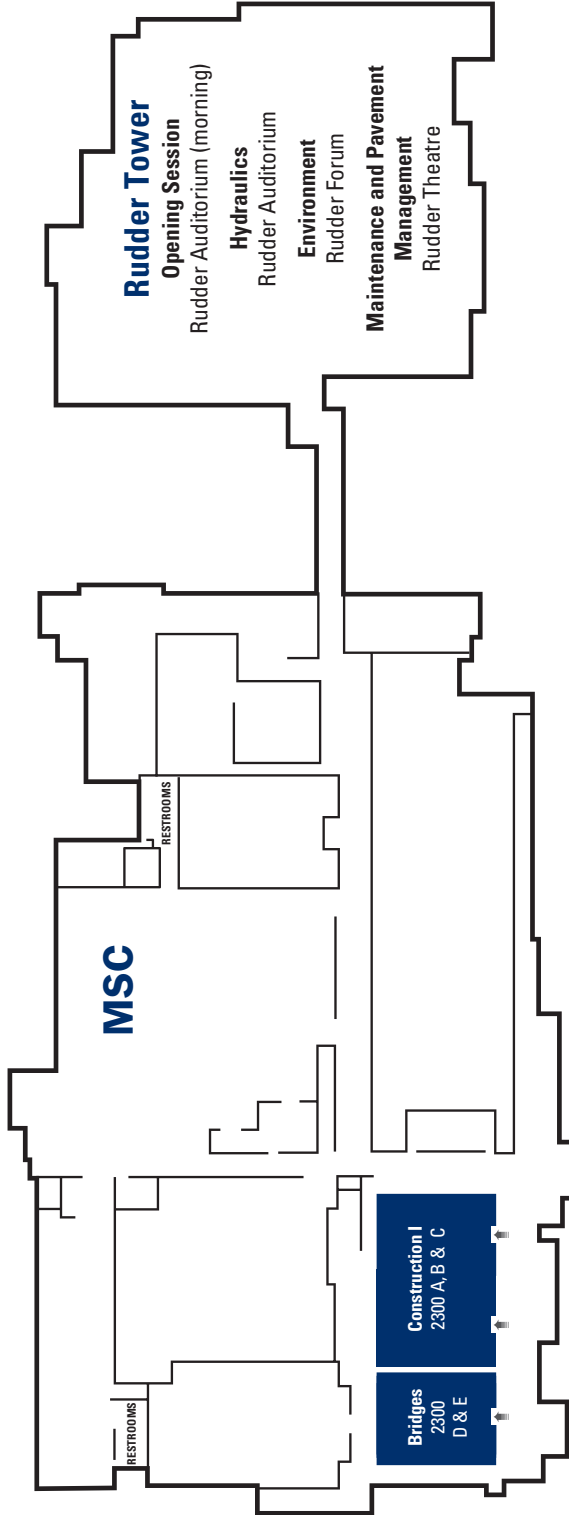
- Blaze Pizza
- Hopdoddy Burger Bar
- Mo's Irish Pub
- Piada Italian Street Food
- Poppy
- Porters Dining + Butcher
- Sweet Paris Crêperie & Café
- Zoe's Kitchen

Restaurants Close to Highway 6 and University Dr. East:

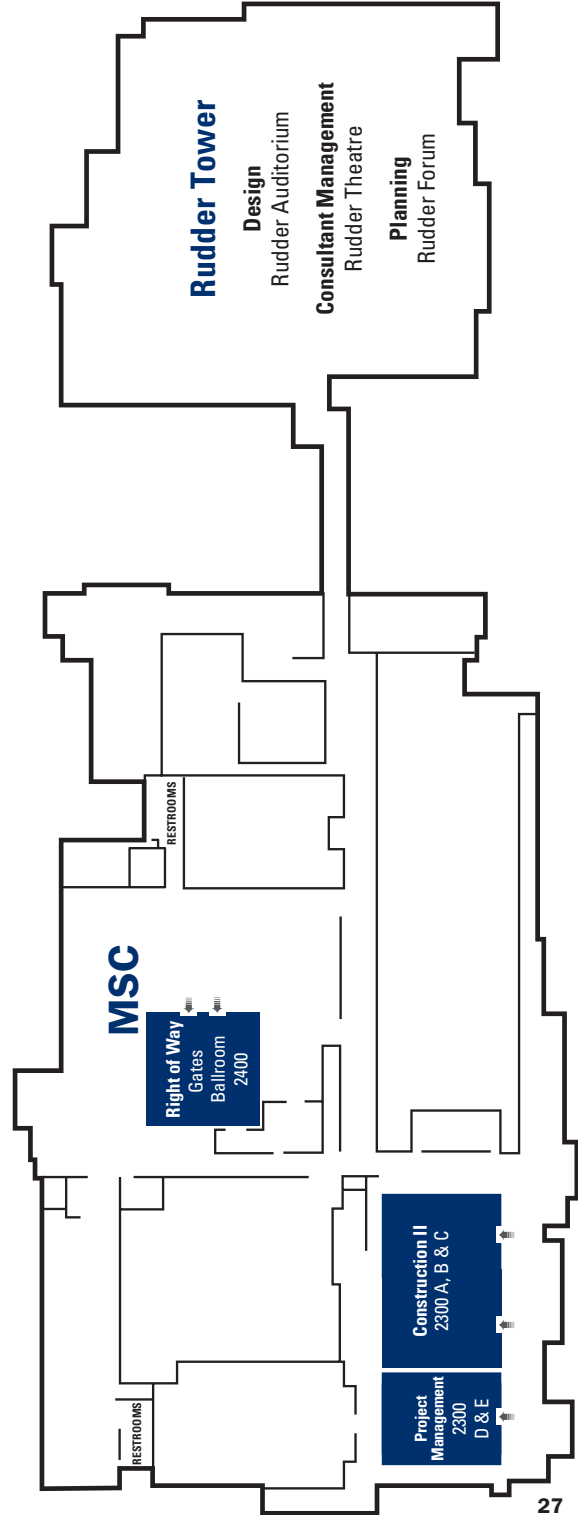
- Cheddars
- Chipotle
- Fish Daddy's Grill
- Newk's Eatery
- Panera Bread
- Starbucks
- Texas Roadhouse
- Wings 'N More



All MSC Sessions Are on the Second Floor.



All MSC Sessions Are on the Second Floor.



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.

October 14–16, 2019 ★ Texas A&M University ★ College Station, TX

Name _____ Employee ID _____

Division/District/Company Name _____

Mailing Address _____

MONDAY, OCTOBER 14	
INITIAL	SESSION TOPIC
	Texas Board of Professional Engineers – Professional Practice Update/Ethics

TUESDAY, OCTOBER 15	
INITIAL	SESSION TOPIC
	Bridges
	Construction I
	Environment
	Hydraulics
	Maintenance and Pavement Management
	Materials
	Traffic Operations I

WEDNESDAY, OCTOBER 16	
INITIAL	SESSION TOPIC
	Alternative Delivery Program
	Construction II
	Consultant Management
	Design
	Planning
	Project Management
	Right of Way
	Traffic Operations II

Signature (Your signature certifies your attendance at the sessions indicated.)

FOR YOUR RECORDS

Do NOT write on this page.

MONDAY, OCTOBER 14

3:30 p.m. – 4:30 p.m.

Texas Board of Professional Engineers –
Professional Practice Update/Ethics
Location: Rudder Auditorium

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

TUESDAY, OCTOBER 15

8:30 a.m. – Noon		1:30 p.m. – 5:00 p.m.	
OPENING SESSION Rudder Auditorium	Box lunches are provided this year for those who checked yes.	SESSION	LOCATION
		Bridges	MSC 2300 D & E
		Construction I	MSC 2300 A-C
		Environment	Rudder Forum
		Hydraulics	Rudder Auditorium
		Maintenance and Pavement Management	Rudder Theatre
		Materials	Texas A&M Conference Hotel III & IV
		Traffic Operations I	Texas A&M Conference Hotel I & II

WEDNESDAY, OCTOBER 16

8:30 a.m. – Noon

SESSION	LOCATION
Alternative Delivery Program	Texas A&M Conference Hotel III & IV
Construction II	MSC 2300 A-C
Consultant Management	Rudder Theatre
Design	Rudder Auditorium
Planning	Rudder Forum
Project Management	MSC 2300 D & E
Right of Way	MSC 2400 Gates Ballroom
Traffic Operations II	Texas A&M Conference Hotel I & II

**94th Annual
Transportation Short Course**

October 12-14, 2020

Texas A&M University
College Station, Texas

Sponsored by the
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and the Texas A&M Transportation Institute

