



# NINETY SECOND ANNUAL TRANSPORTATION SHORT COURSE



OCTOBER 15-17, 2018  
TEXAS A&M UNIVERSITY  
COLLEGE STATION, TEXAS

The background of the entire page is a photograph of numerous lit tealight candles. The candles are arranged in a way that creates a sense of depth, with some in sharp focus in the foreground and others blurred in the background. The light from the candles is a warm, yellowish-white, contrasting with the dark, possibly black or very dark blue, background. The overall mood is solemn and commemorative.

# *In Memoriam*

**Marshall Huffman**

*Retired in 1995*

*Odessa District Engineer*

**Charles (Chuck) Bailey**

*Retired in 1994*

*Civil Rights Division Director*

**TUESDAY**

**OCTOBER 16**

**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**

**Amy Sharp**  
*Student Body President  
Texas A&M University*

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

**Greg Winfree**  
*Agency Director  
Texas A&M Transportation Institute*

**Remarks from the  
Texas Transportation  
Commission**

**J. Bruce Bugg, Jr.**  
*Chairman  
Texas Transportation Commission*

**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**

**Michael Fossum**  
*Colonel, U.S. Air Force, Retired  
NASA Astronaut  
Chief Operating Officer,  
Texas A&M University at Galveston*

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

**James Bass**  
*Executive Director  
Texas Department of Transportation*

**Extra Mile Awards**

*Texas Department of Transportation*

3:30 – 4:30 p.m.

# ETHICS FOR TRANSPORTATION PROFESSIONALS

ROOM: RUDDER AUDITORIUM

**ETHICS SESSION\***

***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

*\*This course was designed to satisfy the  
Texas SBPE requirements.*

## ROOM: RUDDER THEATRE

### Program and Session Co-Chairs:

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

**Jason Crawford, P.E.**, TTI

**1:30 – 1:40 p.m.**

### ***TxDOT's Alternative Delivery Program Status Update***

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

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

**1:40 – 2:25 p.m.**

### ***Project Manager Panel: History, Lessons Learned and Path to Success***

#### **Moderator:**

**Carol G. Luschen, P.E.**, Project Finance, Debt  
and Strategic Contracts, TxDOT

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

**Gregory A. Snider, P.E.**, Houston District, TxDOT

**Joseph Briones, P.E.**, Corpus Christi District, TxDOT

**Ceason G. Clemens, P.E.**, Dallas District, TxDOT

**2:25 – 2:45 p.m.**

### ***Compliance and Disclosure if Project Debt is Utilized***

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

**2:45 – 3:00 p.m.**

### ***State Infrastructure Bank***

**Deborah Fleming**, Project Finance, Debt and  
Strategic Contracts, TxDOT

**3:00 – 3:30 p.m.**

### **BREAK**

**3:30 – 3:40 p.m.**

### ***The 5-Year DB Project Selection Process***

**Mildred Litchfield**, Project Finance, Debt and  
Strategic Contracts, TxDOT

**3:40 – 4:15 p.m.**

### ***District Experiences and Updates to Alternative Delivery Support Tool (ADST)***

#### **Moderator:**

**Michael W. Midkiff, P.E.**, Project Finance,  
Debt and Strategic Contracts, TxDOT

**Randall C. Grones, P.E.**, Project Finance,  
Debt and Strategic Contracts, TxDOT

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

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

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

**Nabeel Khwaja, P.E.**, CTR–University of Texas

**4:15 – 4:45 p.m.**

### ***Design-Build Pavement Specification***

**Magdy Y. Mikhail, P.E., Ph.D.**, Maintenance  
Division, TxDOT

**4:45 – 5:00 p.m.**

### ***How to Choose a Maintenance Strategy***

**Beau B. Buchanan, P.E.**, Project Finance Debt  
and Strategic Contracts, TxDOT

# 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

**1:30 – 1:50 p.m.**

***System Safety — Shoulda, Coulda, Woulda***

**Michael Lee, P.E.**, Engineering and Safety Operations, TxDOT

**1:50 – 2:30 p.m.**

**CE&I — BENEFITS, RISKS AND OPPORTUNITIES**

***TxDOT's Perspective***

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

***CE&I Consultants Perspective***

**Michael Acosta, P.E.**, HNTB

***Contractor Perspective***

**Bill Thomas**, Angel Brothers

**2:30 – 3:00 p.m.**

***Contractor Performance***

**Tucker Ferguson, P.E.**, Beaumont District, TxDOT

**3:00 – 3:30 p.m.**

**BREAK**

**Moderator:**

**Stephen Sebesta, TTI**

**3:30 – 3:40 p.m.**

***Accelerating Construction with In-Place Recycling***

**Stephen Sebesta, TTI**

**3:40 – 4:00 p.m.**

***Construction Best Practices***

**Shane McDade**, Texas Road Recyclers

**4:00 – 4:20 p.m.**

***TxDOT Specifications***

**Richard Izzo, P.E.**, Geotechnical, Soils and Aggregates, TxDOT

**4:20 – 4:40 p.m.**

***Pavement Design and Cost Estimating***

**Miles Garrison, P.E.**, Construction Division, TxDOT

**4:40 – 5:00 p.m.**

**DISCUSSION**

# DESIGN

**ROOM: GATES BALLROOM, MSC 2400**

**Program and Session Co-Chairs:**

**Charlotte L. Teague, P.E.**, Design Division  
Project Development Support Section, TxDOT

**Marcus Brewer, P.E., PMP**, TTI

## 3D DESIGN – CRADLE-TO-GRAVE

**Moderator:**

**Max Proctor, Jr., P.E., CFM**, Design Division,  
TxDOT

1:30 – 1:50 p.m.

***Planning (Schematics) and Design (PS&E)***

**Jacob Tambunga, P.E.**, Design Division, TxDOT

1:50 – 2:10 p.m.

***Project Document Delivery***

**Gabriel A. Ramirez, P.E.**, Odessa District, TxDOT

2:10 – 2:30 p.m.

***Construction***

**Randall Moore**, Haas-Anderson Construction, Ltd.

2:30 – 3:00 p.m.

**PANEL Q & A**

3:00 – 3:30 p.m.

**BREAK**

## SYSTEM SAFETY

**Moderator:**

**Deanne Simmons, P.E.**, Atlanta District, TxDOT

3:30 – 4:00 p.m.

***System Safety and Performance-Based  
Practical Design***

**Jennifer L. Book, P.E.**, Design Division, TxDOT

4:00 – 4:30 p.m.

***Innovative Intersection Design***

**Jeff Shaw, P.E.**, FHWA

4:30 – 5:00 p.m.

***System Safety Initiatives***

**Camille Thomason, P.E., PMP**, Design Division,  
TxDOT

## ENVIRONMENT

### ROOM: RUDDER FORUM

#### Program and Session Co-Chairs:

**Bryan Ellis**, Environmental Affairs Division,  
TxDOT

**Jolanda Prozzi**, TTI

#### Moderator:

**Carlos Swonke**, Environmental Affairs, TxDOT

#### *State of Stream and Wetland Mitigation in Texas*

**Sonny Kaiser**, Ecosystem Planning and Restoration

#### *How ENV's Mapping Toolkit Can Assist in Decision Making*

**Jason Kord**, Environmental Affairs, TxDOT

#### *A Case Study of the Benefits of Early Stakeholder Engagement in Environmental Justice Communities*

**Christine Bergren**, Environmental Affairs, TxDOT

#### BREAK

#### *Navigating the U.S. Coast Guard Bridge Permitting Process*

**Christopher Amy**, Civil Rights, TxDOT

#### *Post-Construction Monitoring of Artificial Bat Roosts at I-35 Bridges Across Lampasas and Salado Rivers*

**Krista McDermid**, Zara Environmental

#### *Brown Pelican Studies on SH 48 in South Texas*

**Robin Gelston**, Environmental Affairs, TxDOT

**Andrew Birt, Ph.D.**, TTI

1:30 – 2:00 p.m.

2:00 – 2:30 p.m.

2:30 – 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.



# MAINTENANCE AND PAVEMENT MANAGEMENT

**ROOM: RUDDER AUDITORIUM**

**Program and Session Co-Chairs:**

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

**Tom Freeman, P.E.**, TTI

**Moderator:**

**James Stevenson, P.E.**, Maintenance Division, TxDOT

**1:30 – 2:00 p.m.**

***Emergency Response Best Practices***

**Brian Dodge**, Maintenance Division, TxDOT

**2:00 – 2:30 p.m.**

***Maintenance Contracting Best Practices***

**John Hudspeth, P.E.**, Dallas District, TxDOT

**Tomas Trevino, P.E.**, Corpus Christi District, TxDOT

**2:30 – 3:00 p.m.**

***Seal Coat Preparation Best Practices***

**Ryan Jackson, P.E.**, Bryan District, TxDOT

**Jason Dupree, P.E.**, Atlanta District, TxDOT

**3:00 – 3:30 p.m.**

**BREAK**

**Moderator:**

**Kevin Buranakitipinyo, P.E.**, Lufkin District, TxDOT

**3:30 – 3:50 p.m.**

***Wet Surface Crash Reduction Program***

**Magdy Y. Mikhail, P.E., Ph.D.**, Maintenance Division, TxDOT

**Tommy Henderson, P.E.**, Paris District, TxDOT

**3:50 – 4:10 p.m.**

***Pros and Cons of Automated Pavement Collection***

**Jenny Li, P.E.**, Maintenance Division, TxDOT

**Matt Rogers**, Abilene District, TxDOT

**4:10 – 4:40 p.m.**

***Title Research Project 6880  
(Foamed Asphalt/EET Projects)***

**Mike Stroope, P.E.**, Lubbock District, TxDOT

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

**Tom Scullion, P.E.**, TTI

**4:40 – 5:00 p.m.**

***Butterfly (Pollinator) Program***

**Travis Jez**, Maintenance Division, TxDOT

# MATERIALS

**ROOM: MSC 2300 A&B**

**Program and Session Co-Chairs:**

**Jere A. “Buddy” Williams, P.E.,** TxDOT

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

**Fujie Zhou, P.E.,** TTI

**Moderators:**

**Paul Norman, P.E.,** Abilene District, TxDOT

**Ernest Longoria, P.E.,** Corpus Christi District, TxDOT

**1:30 – 2:00 p.m.**

***Pavement Design Basics***

**Darlene Goehl, P.E.,** TTI

**2:00 – 2:30 p.m.**

***Seal Coat Materials***

**Jerry Peterson Jr., P.E.,** Construction Division, TxDOT

**2:30 – 3:00 p.m.**

***Superpave Aggregates***

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

**3:00 – 3:30 p.m.**

**BREAK**

**3:30 – 4:00 p.m.**

***Flex Base Properties***

**Richard Izzo, P.E.,** Construction Division, TxDOT

**4:00 – 4:40 p.m.**

***Cement Stabilization: Material Selection and Construction Best Practices***

**Miguel Arellano, P.E.,** Austin District TxDOT

**4:40 – 5:00 p.m.**

***Geocells***

**Vivek Tandon, P.E., Ph.D.,** UTEP

**ROOM: MSC 2300 D&E**

**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:**

**Barbara Russell, P.E.**, Houston District, TxDOT

**1:30 – 2:00 p.m.**

***Traffic Signal Phase and Timing (SPAT) Challenge***

**Blaine Leonard, P.E., F.ASCE**, Utah DOT

**2:00 – 2:30 p.m.**

***Importance of an ITS Master Plan***

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

**2:30 – 3:00 p.m.**

***ITS and Traffic Signal Performance Measures in San Antonio***

**Matt Sneed, P.E., PTOE**, San Antonio District, TxDOT

**3:00 – 3:30 p.m.**

**BREAK**

**3:30 - 4:00 p.m.**

***Roadway Safety Initiatives in the San Antonio District***

**Oscar Michael Garza, P.E., PTOE**, San Antonio District, TxDOT

**4:00 – 5:00 p.m.**

***Operations in Crisis Lessons Learned from Hurricane Harvey***

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

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

**Valerie Lynn Valero, P.E.**, Corpus Christi District, TxDOT



# CONSTRUCTION II

**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:**

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

**8:30 – 8:45 a.m.**

***Getting the Job Done***

**Randy Hopmann, P.E.**, District Operations, TxDOT

**8:45 – 9:15 a.m.**

***We Build Texas***

**Mario Jorge, P.E.**, San Antonio District, TxDOT

**9:15 – 9:30 a.m.**

***Accelerated Construction***

**Randy Hopmann, P.E.**, District Operations, TxDOT

**9:30 – 9:45 a.m.**

***Is A+B Right For My Project?***

**Chris Cowen, P.E.**, Bryan District, TxDOT

**9:45 – 10:00 a.m.**

***Construction and Public Involvement***

**Jefferson Grimes**, Public Involvement Section, TPP, TxDOT

**10:00 – 10:30 a.m.**

**BREAK**

**10:30 – 11:10 a.m.**

***MASH Requirements for Safety Hardware***

**Chiara Silvestri Dobrovlny, Ph.D.**, TTI

**11:10 – 11:30 a.m.**

***TMA Best Practices: Complacency vs. Awareness***

**Chris Weber, P.E.**, El Paso District, TxDOT

**11:30 a.m. – Noon**

***Harbor Bridge Construction Project***

**Joseph Briones, P.E.**, Corpus Christi District, TxDOT

# CONSULTANT MANAGEMENT

**ROOM: MSC 2300 A&B**

**Program and Session Co-Chairs:**

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

**Bill Stockton, P.E., Ph.D.**, TTI

**Moderator:**

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

**8:30 – 9:00 a.m.**

***Forecast – Where Are We Now; Where Are We Headed?***

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

**9:00 – 9:30 a.m.**

***So You Got the Job; Now What?  
Navigating Negotiations***

**Dan Neal, P.E., P.G., CTCM, CTPM**, PEPS Center  
of Excellence Section, TxDOT

**Ayda Gonzalez, P.E.**, Gonzalez-DeLaGarza and  
Associates, LLC

**9:30 – 10:00 a.m.**

***Balancing Contracts and Work Authorizations***

**Lucio Vasquez, P.E.**, Professional Engineering  
Procurement Services Division, TxDOT

**10:00 – 10:30 a.m.**

**BREAK**

**Moderator:**

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

**10:30 – 11:15 a.m.**

***Managing Construction Engineering and  
Inspection Contracts Panel Discussion***

**Ben Engelhardt, P.E.**, Austin District

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

**Andy Petter, P.E.**, H.W. Lochner, Inc.

**Randy Redmond, P.E.**, Volkert, Inc.

**11:15 a.m. – Noon**

***Training the Managers of Tomorrow/Consultants  
Role in Accelerated Project Delivery  
Panel Discussion***

**Ceason Clemens, P.E.**, Dallas District, TxDOT

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

**Bill Hicks, P.E.**, Halff Associates, Inc.

**Brian Reinhardt, P.E.**, BGE, Inc.

# PLANNING

## ROOM: RUDDER THEATRE

### Program and Session Co-Chairs:

**Peter Smith, P.E.**, Transportation Planning and Programming Division, TxDOT

**Katie Turnbull, Ph.D.**, TTI

**Ed Hard**, TTI

## PART 1: HURRICANE HARVEY LESSONS LEARNED AND RESILIENCY

### Moderator:

**Ed Hard**, TTI

8:30 – 9:00 a.m.

### *Aviation*

**Mike Geer**, Aransas County Airport

**Matthew Heinze**, Maintenance Division, TxDOT

9:00 – 9:30 a.m.

### *Ports*

**Danielle Hale**, Port of Corpus Christi Authority

9:30 – 10:00 a.m.

### *Trucking*

**John Esparza**, Texas Trucking Association

10:00 – 10:30 a.m.

### BREAK

## PART 2: HURRICANE HARVEY LESSONS LEARNED AND RESILIENCY

### Moderator:

**Lynn Isaak, P.E., PMP**, Transportation Programs Division, TxDOT

10:30 – 11:00 a.m.

### *Transit*

**Thomas C. Lambert**, Houston Metro

11:00 – 11:30 a.m.

### *TxDOT Bridges*

**Graham Bettis, P.E.**, Bridge Division, TxDOT

11:30 a.m. – Noon

### *Rail*

**Tyson Moeller**, Union Pacific Railroad

# PROJECT MANAGEMENT

## ROOM: RUDDER FORUM

### Program and Session Co-Chairs:

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

**David Ford, Ph.D.**, Texas A&M University and TTI

**John Habermann, P.E.**, TTI

### Moderator:

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

8:30 – 8:55 a.m.

### *Managing the Construction of a New TxDOT Facility*

**Byron Hicks, P.E.**, Support Services Division, TxDOT

**Byron “Heath” Tibbets**, Support Services Division, TxDOT

8:55 – 9:25 a.m.

### *Managing the Binational Border Crossing Time Measurement Project*

**Juan Villa**, TTI

**Caroline A. Mays, AICP**, Freight and International Trade, TxDOT

9:25 – 10:00 a.m.

### *Developing Program/Project Management Plans at TxDOT*

**Linda Lindsay, P.E.**, Transportation Programs Division, TxDOT

**Juan Quiroz, P.E., Ph.D.**, Bryan District, TxDOT

**Zelma Myers, P.E.**, Fort Worth District, TxDOT

10:00 – 10:30 a.m.

### BREAK

10:30 – 11:00 a.m.

### *Metrics That Matter: Improving Project Progress and Performance Assessment*

**Ali Mostafavi, Ph.D.**, Texas A&M University

11:00 – 11:30 a.m.

### *Headlight Program Implementation on a CE&I Project*

**Million Weldemariam, P.E.**, Jacobs Engineering

11:30 a.m. – Noon

### *I-20 Ranger Hill Project Update*

**Jason Scantling, P.E.**, Brownwood District, TxDOT



# RIGHT OF WAY

**ROOM: GATES BALLROOM, MSC 2400**

**Program and Session Co-Chairs:**

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

**Cesar Quiroga, P.E., Ph.D.**, TTI

**John Overman, AICP, P.G.**, TTI

8:30 – 8:40 a.m.

**Introduction**

**Gus Cannon, CTCM**, Right of Way Division, TxDOT

**Moderator:**

**Lora Gunter, J.D., CTCM**, Right of Way Division, TxDOT

8:40 – 9:25 a.m.

**PART 1: DELIVERING RIGHT-OF-WAY PROJECTS**

***Partnering with Districts: How ROW and District Staff Collaborate to Improve Project Development***

**Rodney Murray**, Right of Way Division, TxDOT

**Mike Beaver, P.E.**, Wichita Falls District, TxDOT

**Crystal Damron**, Right of Way Division, TxDOT

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

**Gabriel Lopez**, Right of Way Division, TxDOT

**Paula Sales-Evans, P.E.**, Corpus Christi District, TxDOT

9:25 – 10:00 a.m.

***Clearing Parcels for Construction: Relocation and Demo Needs***

**Greg Polasek**, Right of Way Division, TxDOT

**Doug Stutzman**, Right of Way Division, TxDOT

**Melissa Garcia**, Right of Way Division, TxDOT

10:00 – 10:30 a.m.

**BREAK**

**Moderator:**

**Charon Williams, EIT, CTCM**, Right of Way Division, TxDOT

10:30 – 11:10 a.m.

**PART 2: MANAGING UTILITIES ON YOUR PROJECT**

***Utility Conflict Management: A Tale of Two Cities***

**Anna Pulido, P.E.**, San Antonio District, TxDOT

**Bill McCoy**, Fort Worth District, TxDOT

**Cesar Quiroga, P.E., Ph.D.**, TTI

11:10 a.m. – Noon

***Utility Accommodation Myth Busters***

**Michael Bolin, P.E.**, Waco District, TxDOT

**Greg Faber, SIT, CTCM**, Right of Way Division, TxDOT

**Guy Bradley, P.E., CFM, PMP**, BGE

# STRUCTURES AND HYDRAULICS

## ROOM: RUDDER AUDITORIUM

### Program and Session Co-Chairs:

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

**Mary Beth Hueste, P.E., Ph.D.,**  
Texas A&M University and TTI

### Moderator:

**Keith Taylor, P.E.,** Austin District, TxDOT

8:30 – 8:50 a.m.

### *Observation Method: A New Tool for the Bridge Scour Engineer*

**Jean-Louis Briaud, P.E., Ph.D,** Texas A&M  
University

8:50 – 9:10 a.m.

### *Bridge Decks: Surfacing and Joint Options*

**Doug Beer, P.E.,** Bridge Division, TxDOT

9:10 – 9:30 a.m.

### *Inspection of Steel and Timber Piling*

**Bernie Carrasco, P.E.,** Bridge Division, TxDOT

9:30 – 10:00 a.m.

### *Abutment Distress Research Findings*

**Frank Estrada, P.E.,** Fort Worth District, TxDOT

**Gregory M. Kochersperger, P.E.,** HDR, Inc.

10:00 – 10:30 a.m.

## BREAK

### Moderator:

**Steven Austin, P.E.,** Bridge Division, TxDOT

10:30 – 10:50 a.m.

### *Assessment of HEC-22 Equations for the Design of Curb Inlets*

**Saul Nuccitelli, P.E., CFM,** Design Division,  
TxDOT

10:50 – 11:10 a.m.

### *TxDOT Development of SUDA Tools*

**Abderrahmane Maamar-Tayeb, P.E.,**  
Design Division, TxDOT

11:10 – 11:30 a.m.

### *Historic Truss Management Plan*

**Jamie Griffin, P.E.,** Bridge Division, TxDOT

11:30 a.m. – Noon

### *HecGeoRas*

**Jorge A. Millan, P.E., CFM,** Austin District,  
TxDOT

**ROOM: MSC 2300 D&E****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:**

**Gabriel Garcia, P.E.**, Pharr District, TxDOT

**8:30 – 9:00 a.m.**

***Using Roundabouts for Mobility & Safety***

**Hillary N. Isebrands, P.E., Ph.D.**, USDOT, FHWA

**9:00 – 9:30 a.m.**

***Guidelines for the Design & Operation of U-turns/Texas Turnarounds***

**Jonathan Tydlacka**, TTI

**9:30 – 10:00 a.m.**

***Improving Traffic Operations During Major Construction Activities***

**Adam Kaliszewski, P.E., PTOE**, Austin District, TxDOT

**10:00 – 10:30 a.m.**

**BREAK**

**10:30 – 11:00 a.m.**

***I-10 Truck Concept of Operations***

**Caroline A. Mays, AICP**, Freight and International Trade, TxDOT

**11:00 – 11:30 a.m.**

***Texas Connected Freight Corridors Project***

**Jianming Ma, P.E., Ph.D.**, Traffic Operations Division, TxDOT

**11:30 a.m. – Noon**

***Statewide Automated Vehicles Procurement***

**Christopher Poe, P.E., Ph.D.**, TTI

# AREA RESTAURANTS

## 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
- Sweet Paris
- Crêperie & Café
- Zoe's Kitchen

Century  
Square

**Texas A&M  
University**

## ★ MSC Upper Level:

- Bee Creek Pizza
- Brazos Valley Barbecue
- Cabo Mexican Grill
- Rev's American Grill
- Zatar Mediterranean Cuisine

## ★ MSC Lower Level:

- Chick-N-Grill
- Panda Express
- Smoothie King

ACADEMIC  
PLAZA

MSC AND  
RUDDER

THE  
COMMONS

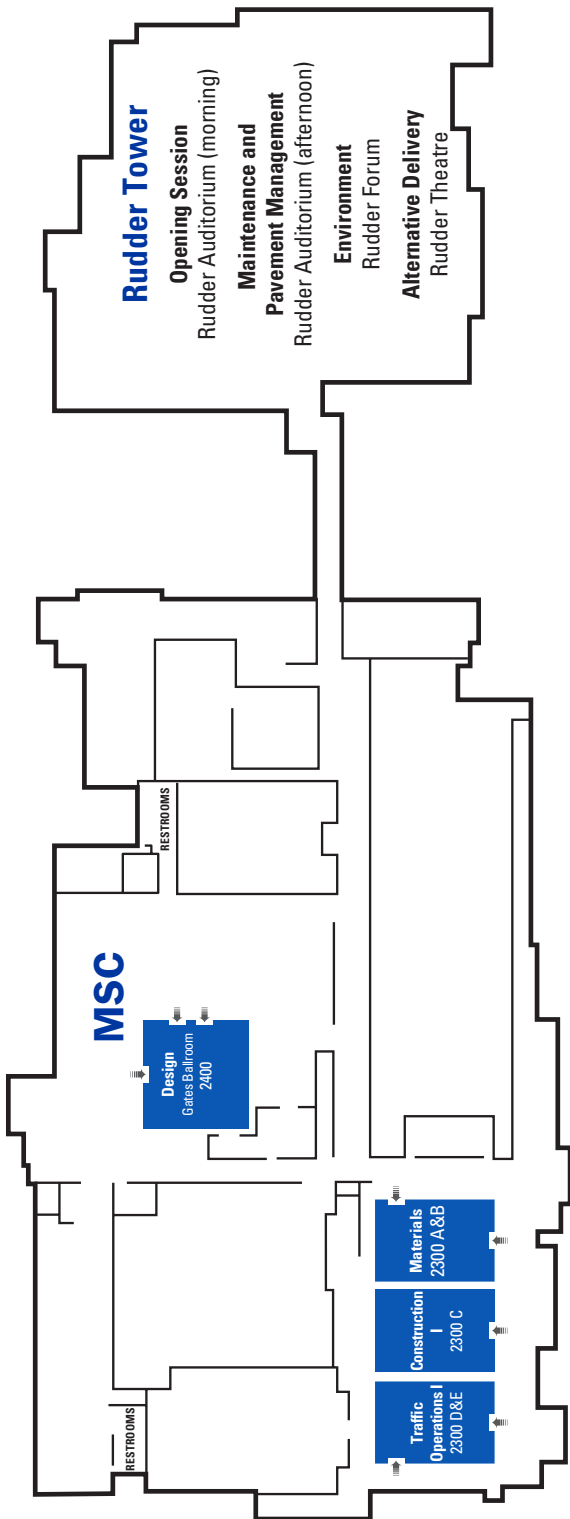
## 🌸 North Campus:

- Chick-Fil-A
- Copperhead Jack's
- Einstein Bros. Bagels
- Houston St. Subs
- Papa John's Pizza
- Smashburger
- Smoothie King

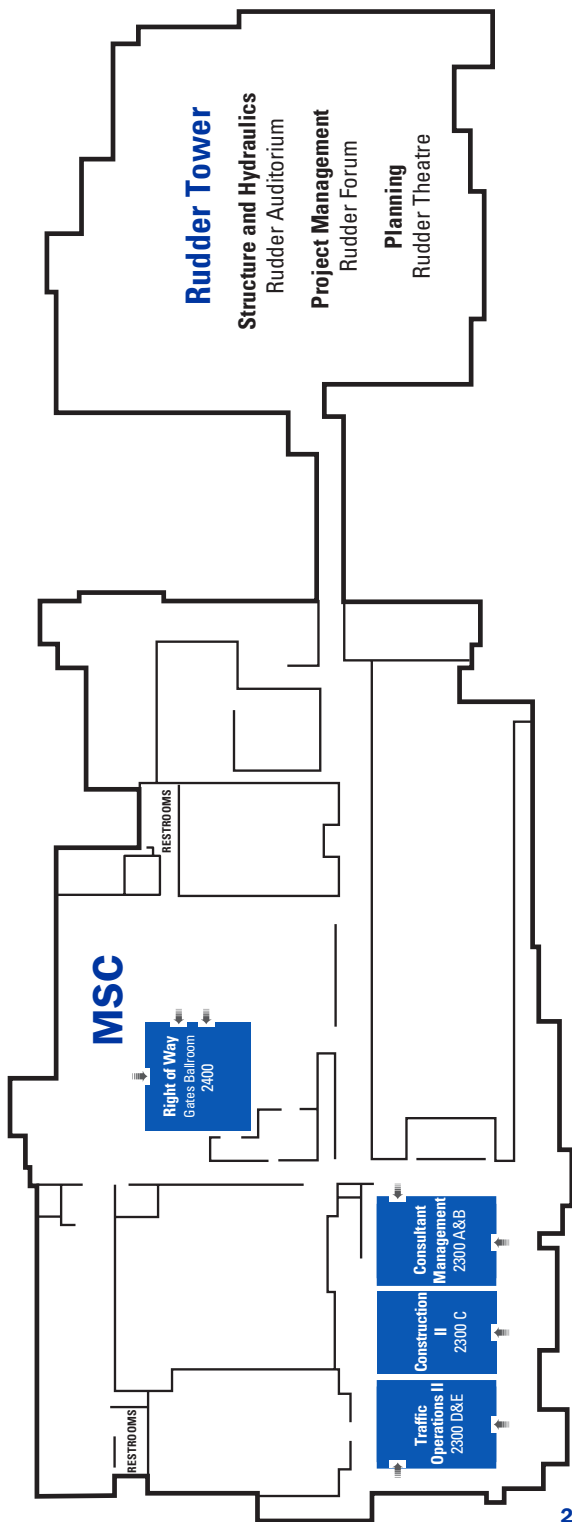
# AREA RESTAURANTS



## All MSC Sessions Are on the Second Floor



## All MSC Sessions Are on the Second Floor



# 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 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.



# PROFESSIONAL DEVELOPMENT HOURS LOG

October 15–17, 2018 ★ Texas A&M University ★ College Station, TX

Name

Employee ID

Division/District/Company Name

Mailing Address

## MONDAY, OCTOBER 15

INITIAL	SESSION TOPIC
	Texas Board of Professional Engineers – Professional Practice Update/Ethics

## TUESDAY, OCTOBER 16

INITIAL	SESSION TOPIC
	Alternative Delivery
	Construction I
	Design
	Environment
	Maintenance and Pavement Management
	Materials
	Traffic Operations I

## WEDNESDAY, OCTOBER 17

INITIAL	SESSION TOPIC
	Construction II
	Consultant Management
	Planning
	Project Management
	Right of Way
	Structures and Hydraulics
	Traffic Operations II

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

**FOR YOUR RECORDS**

***Do NOT write on this page.***

# 2018 SHORT COURSE AT A GLANCE

## MONDAY, OCTOBER 15

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 16

8:30 a.m. –  
Noon

**OPENING SESSION**  
Rudder Auditorium

**Lunch on your own**

1:30 p.m. – 5:00 p.m.

**SESSION**

**LOCATION**

**Alternative  
Delivery**

Rudder Theatre

**Construction I**

MSC 2300 C

**Design**

Gates Ballroom,  
MSC 2400

**Environment**

Rudder Forum

**Maintenance  
and Pavement  
Management**

Rudder Auditorium

**Materials**

MSC 2300 A&B

**Traffic  
Operations I**

MSC 2300 D&E

## WEDNESDAY, OCTOBER 17

8:30 a.m. – Noon

**SESSION**

**LOCATION**

**Construction II**

MSC 2300 C

**Consultant Management**

MSC 2300 A&B

**Planning**

Rudder Theatre

**Project Management**

Rudder Forum

**Right of Way**

Gates Ballroom,  
MSC 2400

**Structures and Hydraulics**

Rudder Auditorium

**Traffic Operations II**

MSC 2300 D&E

**93rd Annual  
Transportation Short Course  
October 14–16, 2019  
Texas A&M University  
College Station, TX**

Sponsored by the  
Texas Department of Transportation  
and the Texas A&M Transportation Institute

