



**TRANSPORTATION
SHORT COURSE**
NINETY FIFTH ANNUAL

Delivering Excellence

October 11-13, 2021
Texas A&M University
College Station, Texas



OPENING SESSION

TUESDAY

OCTOBER 12

RUDDER AUDITORIUM
8:30 A.M. – 11:20 A.M.

Posting of the Colors

Invocation

Safety Message

Campus Welcome

Remarks from
Chairman, Texas
Transportation
Commission

Remarks on Behalf of
the Texas A&M
Transportation Institute

Remarks from the
Texas Department of
Transportation Deputy
Executive Directors

Extra Mile Awards

Remarks from the
Texas Transportation
Commissioner

Remarks on Behalf of
the Texas Department
of Transportation

Presentation of Awards

**Texas A&M University
Corps of Cadets Color Guard**

Corps Chaplain

Bill Hale
*Chief Engineer
Texas Department of Transportation*

Matlin Rigsby
*Student Regent
The Texas A&M University System
Board of Regents*

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

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

Brandye Hendrickson
*Deputy Executive Director
Planning and Administration
Texas Department of Transportation*

Brian Barth
*Deputy Executive Director
Program Delivery
Texas Department of Transportation*

Alvin New
*Commissioner
Texas Transportation Commission*

BREAK

Marc Williams
*Executive Director
Texas Department of Transportation*

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

- Dewitt C. Greer Award
- Gibb Gilchrist Award
- Raymond E. Stotzer, Jr. Award
- Luther DeBerry Award
- Russell H. Perry Award

In Memoriam

Carol Davis
Division Director, Motor Carrier Division

Bobby Templeton
Assistant Executive Director, TxDOT Administration

Larry Walker
Division Director, Material & Test Division

Edward A. Wueste
Assistant Executive Director, Border Trade Transportation

ETHICS FOR TRANSPORTATION PROFESSIONALS

ROOM: RUDDER AUDITORIUM

3:45 – 4:45 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

William D. Lawson, P.E., Ph.D., D.GE, F.NSPE,
Murdough Center for Engineering Professionalism, Texas Tech University

William D. Lawson, P.E., Ph.D., serves as an associate professor of civil engineering at Texas Tech University. His career in higher education is characterized by excellence and innovation in teaching, award-winning scholarship and sponsored research, and professional service at the national, regional and local levels. Creative activities encompass both technical research on geotechnical applications in transportation and interdisciplinary study of professionalism, ethics, and trust/trustworthiness in professional-client relationships. A licensed engineer with over 35 years experience in engineering education and practice, Dr. Lawson has provided project management and technical oversight for geotechnical, construction materials, transportation, environmental and facilities projects nationwide.

**This course was designed to satisfy the Texas State Board of Professional Engineers requirements.*

ALTERNATIVE DELIVERY PROGRAM

ROOM: RUDDER AUDITORIUM

Program and Session Co-chairs:

Mark Weaver, PMP, *Alternative Delivery Division, TxDOT*
Jason Crawford, P.E., *Texas A&M Transportation Institute*

Moderator:

Charles F. Miksch, *Alternative Delivery Division, TxDOT*

Opening Remarks

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

Brian R. Barth, P.E., *Administration, TxDOT*

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

Design-Build Pre-procurement Updates

Randall C. Grones, P.E., *Alternative Delivery Division, TxDOT*

Elizabeth L. Bullock, P.E., *Alternative Delivery Division, TxDOT*

Design-Build Program Risk Profile

Adam R. Ramirez, P.E., *Alternative Delivery Division, TxDOT*

Greg Faber, PMP, *Alternative Delivery Division, TxDOT*

Joe Adams, PMP, *Alternative Delivery Division, TxDOT*

Juan Valles, P.E., *Alternative Delivery Division, TxDOT*

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

BREAK

Moderator:

Charles F. Miksch, *Alternative Delivery Division, TxDOT*

Design-Build Programmatic Documents Update

Amanda Worden, P.E., *Alternative Delivery Division, TxDOT*

Beau B. Buchanan, P.E., *Alternative Delivery Division, TxDOT*

Joe Adams, PMP, *Alternative Delivery Division, TxDOT*

State Infrastructure Bank Update

Dallas Teston, *Project Finance, Debt and Strategic Contracts Division, TxDOT*

Design-Build Quality Program Updates

Christopher Chapman, P.E., *Alternative Delivery Division, TxDOT*

Pedro M. Guirado, *Alternative Delivery Division, TxDOT*

1:30 – 1:40 p.m.

1:40 – 2:00 p.m.

2:00 – 3:00 p.m.

3:00 – 3:30 p.m.

3:30 – 4:00 p.m.

4:00 – 4:10 p.m.

4:10 – 5:00 p.m.

BRIDGES

ROOM: MSC 2300 D & E

Program and Session Co-chairs:

Jamie F. Farris, P.E., *Bridge Division, TxDOT*

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

Dr. Anna C. Birely, Ph.D., *TTI*

Moderator:

Mike Hyzak, P.E., *Bridge Division, TxDOT*

1:30 – 2:00 p.m.

Recent Retaining Wall Failures – Cause, Evaluation and Repair

Ryan Eaves, P.E., *Bridge Division, TxDOT*

2:00 – 2:30 p.m.

Accelerated versus Phased Bridge Construction

Zach Mayer, P.E., *Amarillo District, TxDOT*

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

Jon Boleware, P.E., *Bridge Division, TxDOT*

2:30 – 3:00 p.m.

Steel Bridge Preferences and Fracture Critical Structures

Jamie F. Farris, P.E., *Bridge Division, TxDOT*

3:00 – 3:30 p.m.

BREAK

Moderator:

Paul Rollins, P.E., *Bridge Division, TxDOT*

3:30 – 4:00 p.m.

Slope Stabilization – Balancing Economy and Effectiveness

Edward Galbavy, P.E., *Bridge Division, TxDOT*

4:00 – 4:30 p.m.

Bridge Corrosion Resistance and District Guidance

Robert Owens, P.E., *Bridge Division, TxDOT*

4:30 – 5:00 p.m.

Complex Bridges and Tunnels

Mark Wallace, P.E., *Bridge Division, TxDOT*

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

CONSTRUCTION I

ROOM: MSC 2300 A–C

Program and Session Co-chairs:

Duane Milligan, *Construction Division, TxDOT*

Jason Duncan, *Construction Division, TxDOT*

Darlene Goehl, *TTI*

Victor Liu, *TTI*

Moderator:

Bill Compton, *Waco District, TxDOT*

1:30 – 2:00 p.m.

Records – Project Wise/Syncro (TxDOT)

Jason Duncan, *Construction Division, TxDOT*

2:00 – 2:30 p.m.

Standardization of Records

Ronda Tucker, *Hunter Industries*

2:30 – 3:00 p.m.

Time Suspensions – New Procedures

Justin Smith, *Construction Division, TxDOT*

3:00 – 3:30 p.m.

BREAK

3:30 – 4:00 p.m.

Managing Construction Schedule (CEI)

Mike Lehmann, P.E., *BGE, Inc.*

4:00 – 5:00 p.m.

Emergency Construction Contract

Kes Oweh, P.E., *North Travis Area Office, TxDOT*

Brenda Guerra, P.E., *Austin District TxDOT*

ENVIRONMENT

ROOM: RUDDER FORUM

Program and Session Co-chairs:

Adrienne Boer, CFM, CPESC, PMP, *Environmental Affairs Division, TxDOT*

Jolanda Prozzi, TTI

Moderator:

Adrienne Boer, CFM, CPESC, PMP, *Environmental Affairs Division, TxDOT*

1:30 – 2:00 p.m.

Impacts of Electric Vehicles on Regional Air Quality

Dr. Reza Farzaneh, TTI

2:00 – 2:30 p.m.

Monarch Conservation Program (ENV)

Dr. James Tracy, *Texas A&M Agrilife Extension Service*

John Maresh, *Environmental Affairs Division, TxDOT*

Sam Glinski, *Maintenance Division, TxDOT*

2:30 – 3:00 p.m.

Understanding Pelican Ecology to Inform Mitigation Options for Reducing Pelican Conflict and Mortality

Dr. Andrew Birt, TTI

Robin Gelston, *Pharr District, TxDOT*

3:00 – 3:30 p.m.

BREAK

Moderator:

Adrienne Boer, CFM, CPESC, PMP, *Environmental Affairs Division, TxDOT*

3:30 – 4:00 p.m.

New SWP3 Template and Guidance

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

4:00 – 4:30 p.m.

Guidance on General Notes and Plan Set Best Practices

Michael Rhodes, *Waco District, TxDOT*

4:30 – 5:00 p.m.

Modernizing TxDOT Bikeway Design

Bonnie Sherman, *Public Transportation Division and Design Division, TxDOT*

Kenneth Mora, *Public Transportation Division and Design Division, TxDOT*

MAINTENANCE AND PAVEMENT MANAGEMENT

ROOM: RUDDER THEATRE

Program and Session Co-chairs:

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

Cynthia M. Saldana, P.E., *Laredo District, TxDOT*

Sheng Hu, TTI

Charles Gurganus, TTI

Moderator:

Juan Sustaita, P.E., *Pharr District, TxDOT*

1:30 – 2:00 p.m.

Best Practices for Districtwide Seal Coat Program

Jules Zinsmeyer, E.I.T., *San Antonio District, TxDOT*

2:00 – 2:20 p.m.

LRD GIS HUB — Roadway Assessments

Victor J. Gonzalez, GISP, CFM, *Laredo District, TxDOT*

2:20 – 2:40 p.m.

CRCP Repair Using Precast Concrete Panels

Andy Naranjo, P.E., *Materials and Tests Division, TxDOT*

2:40 – 3:00 p.m.

Wet Surface Crash Reduction Program

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

3:00 – 3:30 p.m.

BREAK

Moderator:

James Harris, P.E., *Corpus Christi District, TxDOT*

3:30 – 4:00 p.m.

Guardrail Plan Development Best Practices

Mark Johnson, P.E., *Maintenance Division, TxDOT*

4:00 – 4:30 p.m.

Geophysical ERT-Based Testing at FM 2429 Bridge

Mark Everett, Ph.D., P.G., *Texas A&M University*

4:30 – 5:00 p.m.

Statewide Truck Parking Program

Sherry Pifer, *Transportation Planning and Programming Division, TxDOT*

Brent Johnson, P.E., *Maintenance Division, TxDOT*

MATERIALS

ROOM: GATES BALLROOM MSC 2400

Program and Session Co-chairs:

Andy Naranjo, *Materials and Tests Division, TxDOT*
Enad Mahmoud, *Materials and Tests Division, TxDOT*
Anol Mukhopadhyay, *TTI*
Fujie Zhou, *TTI*

Moderator:

Andres Gonzalez, P.E., *San Antonio District, TxDOT*

1:30 – 2:00 p.m.

Seal Coats: Ongoing Research and Updates

Darlene Goehl, P.E., *TTI*

Darren Hazlett, P.E., *Center For Transportation Research (CTR)*

2:00 – 2:30 p.m.

Best Practices for Bonding Hot-Mix Asphalt to Portland Cement Concrete Pavement

Darren Hazlett, P.E., *CTR*

Tom Scullion, P.E., *TTI*

2:30 – 3:00 p.m.

Balanced Mix Design Initiative Update

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

3:00 – 3:30 p.m.

BREAK

Moderator:

James Robbins, P.E., *Bryan District, TxDOT*

3:30 – 4:00 p.m.

Concrete Durability Exposed: Lessons Learned from Outdoor Exposure Sites

Kevin Folliard, Ph.D., *CTR*

4:00 – 4:30 p.m.

Accelerated Cement-Treated Base Mixture Design

Stephen Sebesta, *TTI*

4:30 – 5:00 p.m.

Sign Sheeting Failure Investigation – Findings and Recommendations

Johnnie Miller, P.E., *Materials and Tests Division, TxDOT*

Adam Pike, P.E., *TTI*

TRAFFIC OPERATIONS I

ROOM: TEXAS A&M CONFERENCE HOTEL CENTURY BALLROOM I-IV

Program and Session Co-chairs:

George Villarreal, P.E., *Traffic Safety Division, TxDOT*
Jeremy Dearing, P.E., *Lubbock District, TxDOT*
Scott Cooner, P.E., *TTI*
Ed Seymour, Ph.D., P.E., *TTI*

Moderator:

Jose Madrid, P.E., *El Paso District, TxDOT*

1:30 – 2:00 p.m.

Pandemic's Impact on Traffic Crashes

Robert Wunderlich, P.E., *TTI*

2:00 – 2:30 p.m.

Houston – Toward Zero Deaths

James Keener, *Houston District, TxDOT*

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

2:30 – 3:00 p.m.

Unified Transportation Program Traffic Signal Project Update – Houston

Barbara Russell, P.E., *Traffic Safety Division, TxDOT*

3:00 – 3:30 p.m.

BREAK

3:30 – 4:00 p.m.

Update on Speed Limits Workgroup and Research

Dale Picha, P.E., PTOE, *San Antonio District, TxDOT*

4:00 – 4:30 p.m.

Posted Speed Limit Setting Procedure and Tool

Kay Fitzpatrick, Ph.D., P.E., *TTI*

4:30 – 5:00 p.m.

Rural Transportation Systems Management and Operations (TSMO) Planning

Jeff Miles, P.E., *Bryan District, TxDOT*

ROOM: MSC 2300 A-C

Program and Session Co-chairs:

Duane Milligan, *Construction Division, TxDOT*

Jason Duncan, *Construction Division, TxDOT*

Darlene Goehl, *TTI*

Victor Liu, *TTI*

Moderator:

Bryan Lutz, DOC, *San Angelo District, TxDOT*

8:30 – 9:15 a.m.

Precast Concrete Pavement

Francisco Marez, Jr., P.E., *El Paso District, TxDOT*

Andy Naranjo, P.E., *Materials and Tests Division, TxDOT*

9:15 – 10:00 a.m.

**I-35/US 290 Interchange Project –
Bridge Demolition/Construction**

Matthew Kelly, P.E., *NAAO*

Julian Summer, *WSP*

Mike Mazoch, P.E., *Atkins*

Brian Merrill, P.E., *WJE Engineering*

10:00 – 10:30 a.m.

BREAK

10:30 – 11:15 a.m.

**Foamed Asphalt Full-depth Reclamation
Project (TxDOT and Contractor)**

David Fowler, P.E., *Fort Worth District, TxDOT*

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

11:15 – 11:35 a.m.

What Makes a Good Hot-Mix Project

David Stephens, P.E., *Yoakum District, TxDOT*

Jim Warren, *Texas Asphalt Pavement Association*

11:35 a.m. – Noon

Thick-Lift Paving Research Update

Bryan Wilson, P.E., *TTI*

CONSULTANT MANAGEMENT

ROOM: RUDDER THEATER

Program and Session Co-chairs:
Vernon Webb, P.E., Tyler District, TxDOT
Melisa Finley, P.E., TTI

Moderator:
Chuck Steed, P.E., Childress District, TxDOT

8:30 – 9:00 a.m.

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

9:00 – 9:30 a.m.

New Annual Rate Negotiation Process
Norma Glasscock, P.E., Professional Engineering
Procurement Services Division, TxDOT
Howard Holland, P.E., Raba Kistner, Inc.

9:30 – 10:00 a.m.

New Bonfire Electronic Submittal Platform
Dan Neal II, P.E., P.G., CTCM, CTPM,
Professional Engineering Procurement Services Center
of Excellence, TxDOT

10:00 – 10:30 a.m.

BREAK
Moderator:
Jeffery Vinklerek, P.E., Yoakum District, TxDOT

10:30 – 11:30 a.m.

**Prime Provider Evaluations
Consultant/TxDOT Panel Discussion**
Travis Campbell, P.E., Dallas District, TxDOT
Duane Good, P.E., Paris District, TxDOT
Maribel Chavez, P.E., AECOM
Doug Dillon, P.E., BGE, Inc.

11:30 a.m. – Noon

**Proposed Professional Services
Spending Plan for FY 2022 – 2023**
Martin L. Rodin, P.E., Professional Engineering
Procurement Services Division, TxDOT

DESIGN

ROOM: RUDDER AUDITORIUM

Program and Session Co-chairs:
Jacob Tambunga, P.E., Design Division, TxDOT
Marcus Brewer, P.E., TTI

Moderator:
Jacob Tambunga, P.E., Design Division, TxDOT

8:30 – 8:50 a.m.

**OpenRoads Designer Rollout Update/
Path to Digital Delivery**
Taylor Mansfield, P.E., Design Division, TxDOT

8:50 – 9:30 a.m.

**Digital Delivery Overview from Utah
Department of Transportation (UDOT)**
George Lukes, P.E., UDOT

9:30 – 10:00 a.m.

Engineering Data Management
Frank Henderson, Information Technology
Division, TxDOT

10:00 – 10:30 p.m.

BREAK
Moderator:
Heather Ashley-Nguyen, P.E., Austin District, TxDOT

10:30 – 11:00 a.m.

**Updated Construction Cost Estimation
Guidance**
Max Proctor, P.E., C.F.M., Design Division, TxDOT

11:00 – 11:30 a.m.

**Project Development, Design Challenges
and Lessons Learned for LP 1604 at
SH 16 – Displaced Left Turn Project**
Clayton Ripps, P.E., San Antonio District, TxDOT

11:30 a.m. – Noon

**Using Quick-Turnaround Connected Data
in Plans, Specifications and Estimate**
John Speed, P.E., Odessa District, TxDOT
Luke Albert, P.E., TTI

HYDRAULICS

ROOM: RUDDER TOWER ROOM 601

Program and Session Co-chairs:

Rose Marie Klee, P.E., Design Division, TxDOT

Ab Maamar-Tayeb, P.E., Design Division, TxDOT

Stefan Hurlebaus, P.E., Ph.D., TTI

Moderator:

Jason Pike, P.E., Design Division, TxDOT

8:30 – 8:45 a.m.

Emerging Issues and Updates on the H&H Statewide Program

Rose Marie Klee, P.E., Design Division, TxDOT

8:45 – 9:30 a.m.

H&H Modeling for Bridge Scour

Ab Maamar-Tayeb, P.E., Design Division, TxDOT

Trenton Ellis, P.E., Bridge Division, TxDOT

9:30 – 10:00 a.m.

Houston District: Hydrologic and Hydraulic 100-Year Impact Analysis

Sarah Alvarez, P.E., Houston District, TxDOT

10:00 – 10:30 a.m.

BREAK

Moderator:

Rose Marie Klee, P.E., Design Division, TxDOT

10:30 – 11:00 a.m.

Real-Time Flood Forecasting and Warning

Justin Terry, P.E., Flood Forecaster, Harris County Flood Control District

11:00 – 11:30 a.m.

Update on TWDB Flood Initiatives

Saul Nuccitelli, P.E., Texas Water Development Board

11:30 a.m. – Noon

Geomorphic Changes in Texas Rivers: What to Expect

Mark Wentzel, Ph.D., Rivers Science Team, Texas Water Development Board

PLANNING

ROOM: RUDDER FORUM

Program and Session Co-chairs:

Susan Howard, Transportation Planning and Programming Division, TxDOT

Michael Chamberlain, Transportation Planning and Programming Division, TxDOT

Katie Turnbull, Ph.D., TTI

Ed Hard, TTI

Moderator:

Melissa Rothrock, Transportation Planning and Programming, TxDOT

8:30 – 8:55 a.m.

Putting TxDOT on the Map, Using GIS to Connect YOU with Texas

Jennifer Lash, PMP, Transportation Planning and Programming Division, TxDOT

Bethany Wyatt, Transportation Planning and Programming Division, TxDOT

Christopher Johnson, PMP, Amarillo District, TxDOT

8:55 – 9:15 a.m.

A New Normal? New Traffic Data Resources and New Traffic Data Patterns

David Freidenfeld, Transportation Planning and Programming Division, TxDOT

9:15 – 9:35 a.m.

CO₂ and On-Road Transportation in Texas

Michael Chamberlain, Transportation Planning and Programming Division, TxDOT

9:35 – 10:00 a.m.

Census 2020 Implications for Transit in Texas: Potential Census 2020 Impacts on Texas Transit Funding

Michael Walk, TTI

10:00 – 10:30 a.m.

BREAK

Moderator:

Seth Howard, Transportation Planning and Programming, TxDOT

10:30 – 10:55 a.m.

The Power of Corridor Studies and Strategic Planning: The Statewide and District Application

Lorena Echeverria de Misi, MBA, P.E., Transportation Planning and Programming Division, TxDOT

Catherine McCreight, MBA, MA, Houston District, TxDOT

10:55 – 11:15 a.m.

Setting the Bar for Virtual Public Involvement

Susan Howard, Transportation Planning and Programming Division, TxDOT

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

11:15 – 11:35 a.m.

What's the Plan?

David Ford, Transportation Planning and Programming Division, TxDOT

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

11:35 a.m. – Noon

Texas-Mexico Border Transportation Master Plan: Connecting Texas to Global Economies and Moving People and Goods

Aisa Showery, PMP, Transportation Planning and Programming Division, TxDOT

Pedro "Pete" Alvarez, P.E., DE, Pharr District, TxDOT

Tomas Trevino, P.E., DE, El Paso District, TxDOT

David Salazar, P.E., DE, Laredo District, TxDOT

PROJECT MANAGEMENT

ROOM: MSC 2300 D & E

Program and Session Co-chairs:

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

Humberto “Tito” Gonzalez, P.E., *Laredo District, TxDOT*

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

John Habermann, P.E., *TTI*

The Case of Design Project Management versus Construction Project Management

Moderators:

Humberto “Tito” Gonzalez, P.E., *Laredo District, TxDOT*

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

Project 1: IH 20 Ranger Hill

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

Krishna Peapully, P.E., *AECOM*

Chris Graf, P.E., *Brownwood District, TxDOT*

Jordan Perry, P.E., *Brownwood District, TxDOT*

Final Verdict — Lesson Learned

BREAK

Moderators:

Paul Aparicio, P.E., *Transportation Programs Division, TxDOT*

John Habermann, P.E., *TTI*

Project 2: SL 338 at Yukon Road

Janice Hillenmeyer, P.E., PMP, *Transportation Programs Division, TxDOT*

Ryan Smith, P.E., *Halff Associates*

Saul Romero, P.E., *Odessa District, TxDOT*

Final Verdict

TxDOT Project Manager Institute

Darren McDaniel, P.E., PMP, *Transportation Programs Division, TxDOT*

8:30 – 9:45 a.m.

9:45 – 10:00 a.m.

10:00 – 10:30 a.m.

10:30 – 11:15 a.m.

11:15 – 11:30 a.m.

11:30 a.m. – Noon

RIGHT OF WAY

ROOM: GATES BALLROOM MSC 2400

Program and Session Co-chairs:

Charon Williams, *Right of Way Division, TxDOT*

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

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

Moderator:

Lezlie Kirby, *Right of Way Division, TxDOT*

8:30 – 8:40 a.m.

Introduction

Charon Williams, *Right of Way Division, TxDOT*

8:40 – 9:25 a.m.

Right-of-Way Project Delivery Workflow and Associated Risks

Crystal Damron, *Right of Way Division, TxDOT*

9:25 – 10:00 a.m.

TxDOT Surveying

Ronny Lackey, RPLS, *Right of Way Division, TxDOT*

10:00 – 10:30 a.m.

BREAK

Moderator:

Wayne Robinson, *Right of Way Division, TxDOT*

10:30 – 11:05 a.m.

Broadband and Small Cell Update

Fred Kempf, JD, *Right of Way Division, TxDOT*

Naomi Young, *Right of Way Division, TxDOT*

11:05 – 11:25 a.m.

Rural Broadband Expansion

Abe Robinson, *Charter Spectrum*

11:25 a.m. – Noon

Utility Adjustments from a Utility Owner’s Perspective

Macy Lamb, *Oncor*

Craig Robicheaux, *Oncor*

**ROOM: TEXAS A&M CONFERENCE HOTEL
CENTURY BALLROOM I-IV**

Program and Session Co-chairs:

George Villarreal, P.E., *Traffic Safety Division, TxDOT*

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

Scott Cooner, P.E., *TTI*

Ed Seymour, P.E., *TTI*

Moderator:

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

8:30 – 9:00 a.m.

**Texas Curve Evaluation Suite (TCES) for
75-mph Rural Highways**

Michael Pratt, P.E., *TTI*

9:00 – 9:30 a.m.

**North Texas Tollway Authority Lane Closure
Management and Applications**

Yang Ouyang, P.E., *Systems and Incident Management,
North Texas Tollway Authority*

9:30 – 10:00 a.m.

**Guidelines for Work Zone Barrier Use
on Freeways**

Gerald Ullman, Ph.D., P.E., *TTI*

10:00 – 10:30 a.m.

BREAK

10:30 – 11:00 a.m.

Successful Use of Border Technologies

Allan Rutter, *TTI*

11:00 – 11:30 a.m.

Texas Connected Freight Corridors Update

Barbara Russell, P.E., *Traffic Safety Division, TxDOT*

11:30 a.m. – Noon

**Target Responsibility for Alcohol Connected
Emergencies (TRACE) Program Overview**

Captain David Whitt, *Texas Alcoholic Beverage
Commission*

Series of horizontal lines for taking notes.

Restaurants in Downtown Bryan:

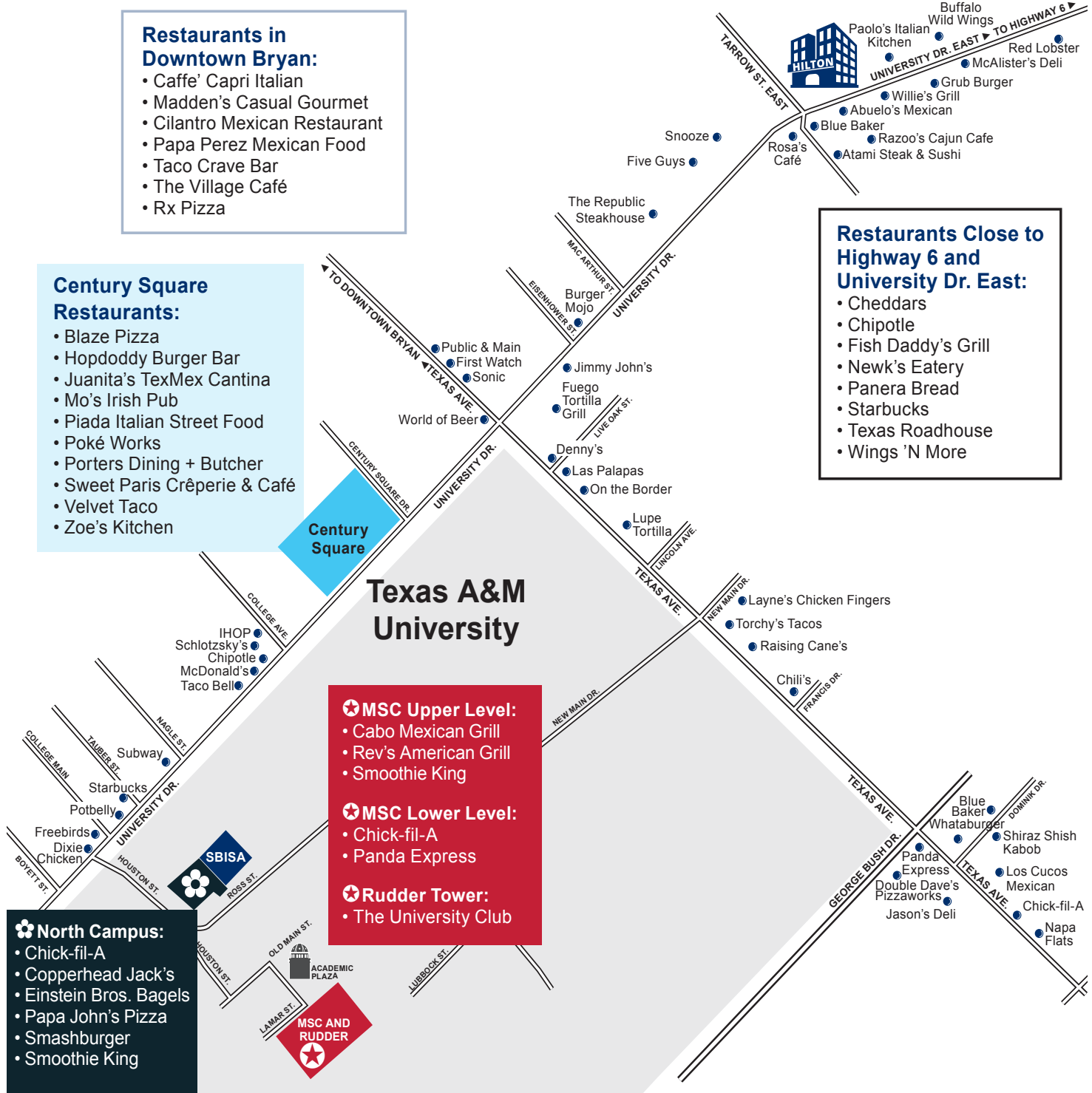
- Caffè Capri Italian
- Madden's Casual Gourmet
- Cilantro Mexican Restaurant
- Papa Perez Mexican Food
- Taco Crave Bar
- The Village Café
- Rx Pizza

Century Square Restaurants:

- Blaze Pizza
- Hopdoddy Burger Bar
- Juanita's TexMex Cantina
- Mo's Irish Pub
- Piada Italian Street Food
- Poké Works
- Porters Dining + Butcher
- Sweet Paris Crêperie & Café
- Velvet Taco
- 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



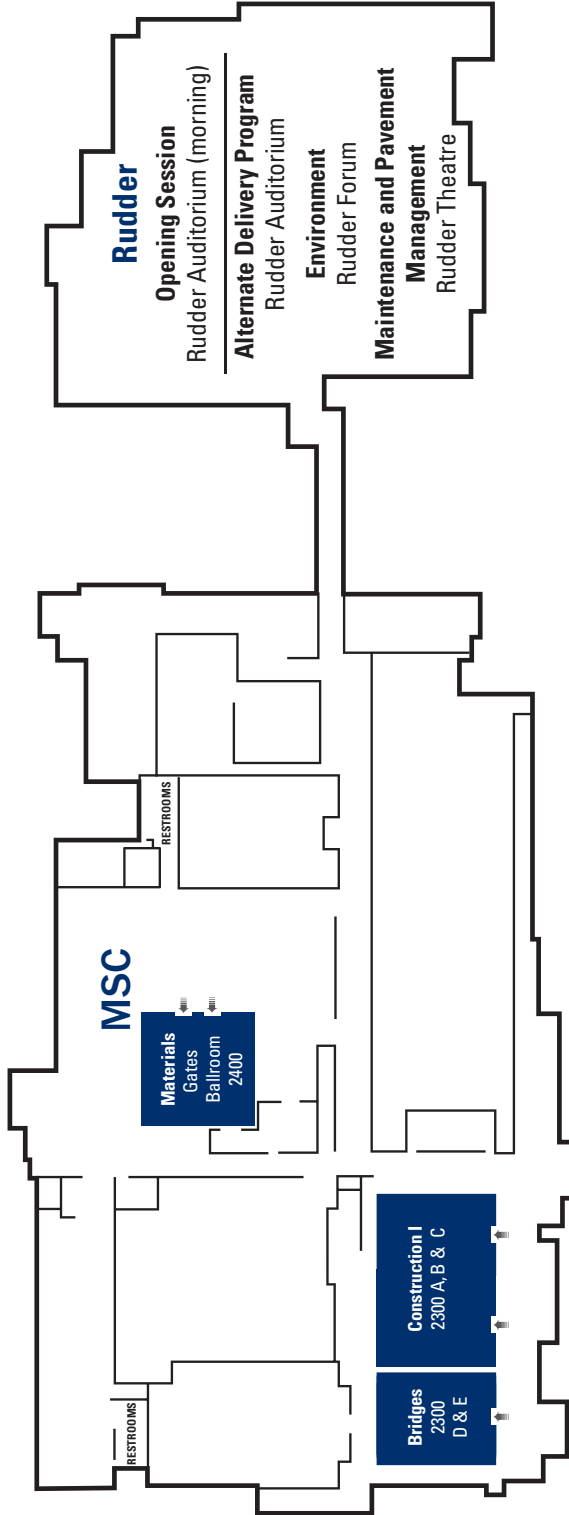
- ★ **MSC Upper Level:**
 - Cabo Mexican Grill
 - Rev's American Grill
 - Smoothie King
- ★ **MSC Lower Level:**
 - Chick-fil-A
 - Panda Express
- ★ **Rudder Tower:**
 - The University Club

- 🌸 **North Campus:**
 - Chick-fil-A
 - Copperhead Jack's
 - Einstein Bros. Bagels
 - Papa John's Pizza
 - Smashburger
 - Smoothie King

All MSC Sessions Are on the Second Floor.

Century Ballroom
I-IV

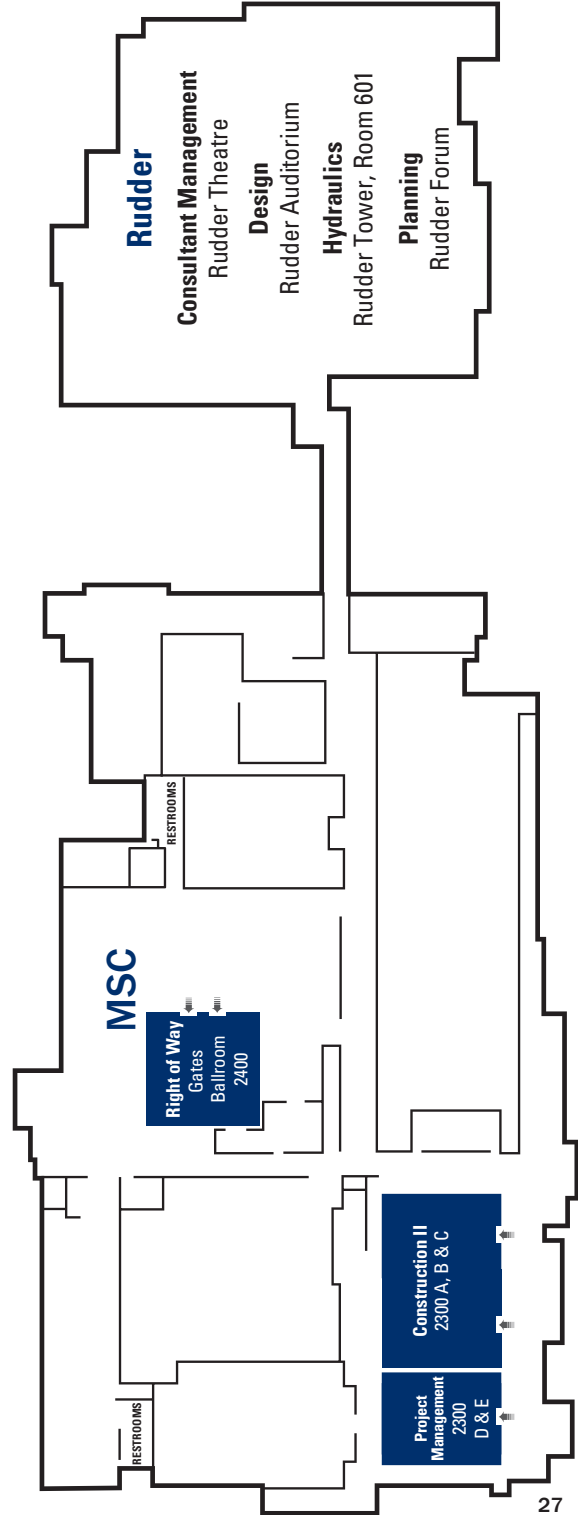
Texas A&M Hotel and
Conference Center
Traffic
Operations I



All MSC Sessions Are on the Second Floor.

Century Ballroom
I-IV

Texas A&M Hotel and
Conference Center
Traffic
Operations II



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 11–13, 2021 ★ Texas A&M University ★ College Station, TX

Name _____ Employee ID _____

Division/District/Company Name _____

Mailing Address _____

MONDAY, OCTOBER 11	
INITIAL	SESSION TOPIC
	Texas Board of Professional Engineers – Professional Practice Update/Ethics

TUESDAY, OCTOBER 12	
INITIAL	SESSION TOPIC
	Alternative Delivery Program
	Bridges
	Construction I
	Environment
	Maintenance and Pavement Management
	Materials
	Traffic Operations I

WEDNESDAY, OCTOBER 13	
INITIAL	SESSION TOPIC
	Construction II
	Consultant Management
	Design
	Hydraulics
	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.

