



WINTER 2022 INNOVATION MEETINGS

Dec. 6-7 | TxDOT Stassney Campus
6230 E Stassney Ln, Austin, TX 78744

RSVP here: <https://forms.gle/ggxDeunY2rLghPxj7>

DECEMBER 6

9:00 AM – 12:00PM

Texas State Transportation Innovation Council (TxSTIC)

12:00 PM – 1:00 PM

Lunch

1:00 PM – 4:00 PM

Texas Technology Task Force Meeting (T3F)

4:30 PM – 7:30 PM

Texas Innovation Alliance Networking Reception
@ Meanwhile, 3901 Promontory Point Dr. Austin, TX 78744
All innovation meeting attendees welcome. RSVP required.

DECEMBER 7

9:30 AM – 2:00 PM

Texas Innovation Alliance (TIA) Grant Readiness Workshop
on Electrification



Texas State Transportation Innovation Council (TxSTIC)

December 6 | 9:00 AM-12:00 PM CT

Location: TxDOT Stassney Campus, Duro Canyon Conference Room
6230 E Stassney Ln, Austin, TX 78744

TxSTIC Meeting Agenda

Virtual Participants – Microsoft Teams Meeting: [Click here to join the meeting](#)

Meeting ID: 250 039 242 481 | **Passcode:** 4Rogz4

Objectives

- Provide a forum for transportation leadership to review and collaborate on initiatives that best align to the transportation goals of the State of Texas.
- Discuss and respond to key issues and challenges that impact the transportation system.

Schedule

9:00 AM | Tech & Troubleshooting

9:30 AM | Welcome – *Shelley Pridgen*, TxDOT Research & Technology Implementation Division, Research Project Manager, TxSTIC Coordinator

9:35 AM | Updates

Kevin Pete, TxDOT, Director of Research & Technology Implementation Division

Darran Anderson, TxDOT, Director of Strategy and Innovation, TxSTIC Co-Chair

- Introduction of *Erika Kemp*, Director of Strategic Planning Division

Al Alonzi, FHWA Texas Division, Division Administrator, TxSTIC Co-Chair

9:50 AM | Break

10:00 AM | FHWA Every Day Counts Initiatives, Round 7

Kirk Fauver, FHWA Texas Division – Planning & Research Engineer

10:20 AM | STIC Incentive Project Updates, Next Gen TIM

Jeff Kaufman, Texas Transportation Institute – Associate Research Scientist

10:35 AM | Progressive Signal Operation Strategies

Monsur Ahmed, City of Arlington – Assistant Director, City Engineer, Public Works and Transportation

10:50 AM | Break

11:00 AM | Council Roundtable – Member Updates

11:45 AM | Closing Remarks – Darran Anderson, TxDOT

12:00 PM | Adjourn, Lunch for in-person participants

Boxed lunch will be provided to in-person attendees



Texas Technology Task Force (T3F) Meeting

December 6 | 12:30-4:00pm CT

Location: TxDOT Stassney Campus, Duro Canyon Conference Room
6230 E Stassney Ln, Austin, TX 78744

T3F Meeting Agenda

Virtual Participants – Microsoft Teams Meeting: [Click here to join the meeting](#)

Meeting ID: 245 280 175 050 | **Passcode:** hrq8Nb

Objectives

- Recognize advancements in fuel cell technology and its growing role in the Texas transportation system.
- Identify initiatives to expand fuel cell operations and facilitate its seamless transition.
- Discover technologies and major efforts influencing the development of the Texas transportation system.

12:30 PM | Tech Check

1:00 PM | Introductions & Updates – Darran Anderson and Erika Kemp, TxDOT and C. Michael Walton, UT Austin

A representative from TxDOT and from UT Austin provide an update on the progress of the Texas Technology Task Force as well as the status of other relevant TxDOT innovation efforts.

1:15 PM | Tech Disruptor Presentation – Brett Perlman, Center for Houston's Future*

Learn about the ongoing effort to expand hydrogen fuel cell operations in the greater Houston area and how this transition plays a role in establishing Texas as a hub for hydrogen export and fuel cell operations.

1:30 PM | Future of Hydrogen Fuel Cell Technology

Moderator: Lori Clark, NCTCOG

Fuel cell technology continues to develop and expand the portfolio of alternative fuels serving the Texas transportation system. Further, fuel cell systems will likely play a significant role in reaching emissions reduction targets in the coming years. This panel will discuss current readiness levels for fuel cell systems, its growing role in the transportation system, and the necessary steps in building a fuel cell network in Texas.

Neha Rustagi, USDOE*

Momoko Tamaoki, Caltrans*

Chris Rovik, Toyota*

Don Stanton, Oak Ridge National Laboratory*

Tim Sasseen, Ballard*

2:30 PM | Open Discussion

2:45 PM | Break

2:55 PM | Tech Roundtable

5 Technology Trends in 5 Minutes (video): Kristin White, ITS America

Moderator: Avery Ash, INRIX

ITS America identifies five trends in five minutes that transportation leaders need to be tracking today. Following, a panel of experts with domain knowledge in automated vehicles, unmanned aerial systems, and the freight and logistics industry unpacks each trend and discusses the implications for Texas transportation.

Unmanned Aerial Systems – Meghan Mayfield, DroneUp

Freight and Logistics – Russell Laughlin, AllianceTexas

Connected Systems – Randal Roebuck, OmniAir

3:55 PM | Closing Remarks – Darran Anderson, TxDOT and UT Austin

4:00 PM | Adjourn

*Virtual



Texas Innovation Alliance (TIA) Grant Readiness Workshop: Electrification

December 7 | 9:30am-2:00pm CT

Location: TxDOT Stassney Campus, Duro Canyon Conference Room
6230 E Stassney Ln, Austin, TX 78744

TIA Meeting Agenda

Objectives

- Learn about the current trends and strategies for applying to federal grants, particularly related to electrification
- Identify potential partners, including cities, industry, TxDOT, and universities
- Refine concepts and prepare grant applications for submission

Check-In

9:30 AM | Check-in

Welcome

10:00 AM | Opening Remarks – Darran Anderson and Erika Kemp, TxDOT

10:05 AM | Workshop Objectives – Shelley Row, Blue Fjord Leaders

Part 1: Electrification Fundamentals & Overview of Federal Grant Opportunities

10:10 AM | State of Electric Vehicles in Texas & Lessons Learned from Other States

Robert Mowat, HDR

Renee Jackman, HDR

10:30 AM | The Texas Baseline

Michael Chamberlain and Ryan Granger, TxDOT

Lori Clark, NCTCOG

Cameron Freberg, Austin Energy

11:00 AM | Open Discussion

Part 2: Electrification Subject Matter Experts

11:15 AM | Deep-Dive on Electrification Federal Grant Opportunities

Nick Nigro, Atlas Public Policy

11:30 AM | Idea Starters: Rapid Fire 5-minute Presentations

Passenger & Transit Fleet Transition: Ivy Compton, Proterra

Last-Mile/Freight: Mark Solano, Nuro

Charging Infrastructure: Justin Ackley, ChargePoint

Operations & Maintenance: Cameron Freberg, Austin Energy

Community Outreach & Consumer Education: Steve King, Electrification Coalition

12:00 PM | Lunch Break with Video Presentation: Data and Communities – Bruce Race, University of Houston

Part 3: Concept Refinement & Potential Partner Identification

12:30 PM | Small Group Discussions

Participants engage with subject matter experts to develop initial concepts into more advanced solutions with detailed descriptions, technical assistance, and defined outcomes.

1:30 PM | Open Networking

Participants connect with potential partners, including: TxDOT, other public agencies, and universities.

1:50 PM | Next Steps & Closing Remarks

2:00 PM | Adjourn