



Texas State Transportation Innovation Council

Member Guidance Document

June 2017
Prepared by
Federal Highway Administration and
Texas Department of Transportation

Overview

General Information

The purpose of this guidance document is to provide information on the roles and responsibilities, administration, and management of the State Transportation Innovation Council (STIC) and the Functional Area Committees (FAC). Users can easily navigate through this guidance document by selecting a bookmark on the left-hand side. All members can always view the most current information within the guidance document at the TxSTIC at <http://txstic.org/>.

Background Information

In 2009, the Federal Highway Administration (FHWA) implemented the Every Day Counts initiative to shorten project delivery and expedite the deployment of proven technologies. The initiative's goals are to create an innovative atmosphere among the transportation community to allow for a more efficient and effective delivery of projects to address the general public's transportation needs. FHWA introduced the STIC concept to state transportation departments and industry partners to foster ownership and pride in establishing a process in which ideas, innovative techniques, and processes can be evaluated and implemented quickly and proficiently. On March 22, 2016, Texas Department of Transportation and Federal Highway Administration, Texas Division co-chairs signed the charter of the Texas State Transportation Innovation Council.

Purpose of STIC

The STIC is composed of a multi-stakeholder leadership that works together to forge an environment of innovation, imagination, and ingenuity to pursue specific initiatives and their rapid implementation to deliver a modern, high quality transportation system to the citizens of the commonwealth. The STIC will identify ways that Texas responds to key issues and challenges that impact the highway program and suggesting options to enhance the program and Texas's transportation infrastructure.

Purpose of Functional Area Committees

In order to assist the STIC, each Functional Area Committee (FAC) evaluates the initiatives to be promoted and implemented, **Functional Area Committees have been created to suggest options for potential benefits and uses of initiatives or investment opportunities.** The FACs are responsible for ensuring that the chosen initiatives succeed in improving the transportation system and will be required to develop a deployment plan. The Functional Area Committees will also be responsible for tracking and reporting the initiatives progress moving forward. The Functional Area Committees that have been created thus far are focused in the following areas: project delivery; construction; maintenance; design; environmental; safety; technology; intelligent transportation systems; materials; strategy; innovation; and, public outreach.

Charter

Purpose

This Charter establishes the State Transportation Innovation Council (STIC) for the State of Texas and defines its vision, mission, scope and responsibility, membership, and administration.

Vision

The State Transportation Innovation Council (STIC) for the State of Texas will foster a collaborative culture for the rapid implementation of ready to deploy and beneficial innovations and technologies to efficiently deliver to the public a modern, high-quality transportation system.

Mission

Facilitate the rapid implementation of innovative technology, tactics and techniques among transportation program delivery professionals at all levels of state government and throughout the private and non-profit sector to ensure smart, efficient investment in Texas highway and transportation infrastructure.

Scope and Responsibility

TxDOT and Local Public Agencies statewide own the system and make key decisions on how to deliver projects, as well as what innovative techniques and technologies will be used to ensure the safe operation of the highway system. A State Transportation Innovation Council (STIC) for the State of Texas brings together primary stakeholders that represent all these entities and works to collectively lead innovation in the State of Texas. The STIC serves to act as a catalyst for rapid deployment of nationally and State identified new technologies, strategies, and methods that have already been demonstrated to be successful in “real world” applications, and can offer improved performance and effectiveness of the transportation system within the State of Texas.

The STIC will:

- Serve to advise the Texas Department of Transportation Director of Strategy & Innovation and Federal Highway Administration Texas Division Administrator
- Provide a means of ensuring regular contact and communication between the TxDOT, Local Public Agencies, and other highway sector stakeholders
- Report to the TxDOT Director of Strategy & Innovation and FHWA Texas Division Administrator on the status of implementing State and Federal program initiatives
- Provide leadership the opportunity to promote and support rapid deployment of selected innovative technologies, strategies, and methods
- Provide a forum for discussing and proposing solutions to critical transportation-related problems
- Act as a liaison among the stakeholders represented by the membership, and may provide a forum for those stakeholders on current and emerging technology issues in the transportation sector

- Develop a process to select innovative technologies, strategies, and methods on which to focus near-term implementation efforts
- Identify and mobilize champions within the State of Texas who are committed to the deployment of selected innovative technologies, strategies, and methods
- Assist in the development of deployment plans and strategies regarding new innovative technologies
- Monitor performance metrics to ensure priority initiatives are converted into standard practice
- Share information with all State of Texas' transportation stakeholders through meetings, workshops, trainings, webinars, and conferences

Membership

The STIC for the State of Texas membership shall reflect the diversity of the transportation industry within Texas by representing a balanced cross-section, including entities from various geographic locations and agencies of various sizes.

The current STIC membership roster is shown in Attachment A of this charter, and this list is subject to change over time.

In addition, subject matter experts (SMEs) and other technical advisory members may be invited to attend the STIC meetings with the concurrence of the TxDOT Director of Strategy & Innovation and the FHWA Texas Division Administrator. The SMEs may also be called upon by the STIC to serve as part of a Functional Area Committee, as more fully explained in the Subcommittees section of this charter.

The STIC is co-chaired by the TxDOT Director of Strategy & Innovation and the FHWA Texas Division Administrator and will be composed of not more than twenty-five (25) individual members. All member organizations (that are not affiliated with a State or Federal agency) will delegate a representative who is appointed for a **two-year term** by the organization's chief executive officer or board of directors, with each member eligible to be reappointed for an additional two-year term. Any person appointed to fill a temporary vacancy shall serve for the unexpired term, with the option to be reappointed for a successive two-year term, by the appointing organization or agency.

Meetings

The STIC for the State of Texas shall meet at least twice per year at a time and location established by the Co-Chairs. In addition, the STIC may be convened in an emergency session to address time-critical topics as deemed necessary by the Co-Chairs.

Members are expected to attend all meetings. Attendance may be in person or via any two-way interactive communications means (including teleconference calls, videoconferences, or webinars). If necessary, a member may be represented by a designated alternate. A majority of nominated members, one of whom is a Co-Chair,

must attend the meetings in order to establish a quorum for project selection purposes.

Items presented for STIC meetings will be circulated electronically for members' review at least two weeks in advance of the meeting to allow members enough time to review the documents in a meaningful way.

Subcommittees

The STIC will review State or Federal program initiatives or other innovation initiatives proposed by members and the TxDOT Functional Area Committees. The TxDOT Functional Area Committees (FACs), composed of transportation SMEs, will be responsible for reviewing, prioritizing and presenting proposed initiatives to the STIC for review, discussion and action. TxDOT's Research and Technology Implementation Division (RTI) will be responsible for monitoring transportation research initiatives and implementation efforts (as well as other innovations) within the State of Texas, and will provide reports and briefings to the STIC on project status. RTI will also be responsible for sharing this information with transportation sector stakeholders.

Texas Department of Transportation - Functional Area Committees

Functional Area Committee	Name
Structures and Hydraulics Chair	Curtis Rokicki
Planning and Environmental Chair	David Freidenfeld
Strategy and Innovation Chair	Kent Marquardt
Maintenance and Construction Chair	Magdy Mikhail
Traffic and Operations Chair	Ken Mora

Texas Technology Task Force

The TTTF was established to develop a strategic vision for the future of Texas Transportation. Collaboration between the TTTF and industry experts enables TxDOT to work toward our vision to be a forward-thinking leader delivering mobility, enabling economic opportunity, and enhancing the quality of life for all Texans. The Texas Technology Task force is a subcommittee of the State Transportation Innovation Council.

Attachment A: Membership

State Transportation Innovation Council (State of Texas):

Federal Highway Administration-Texas Division

Al Alonzi, Division Administrator, Co-Chair

Marcus Wilner, Chief Operating Officer

Texas Department of Transportation (TxDOT):

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

Bill Hale, P.E., Chief Engineer,

Lead Coordinators:

FHWA Texas Division:

Michael Leary, Director, Planning and Program Development,

Kirk D. Fauver, Urban Transportation Planning and Research Engineer

TxDOT:

Rocio Perez, Interim Director, Research and Technology Implementation

Sonya S. Badgley, Research Project Manager

Texas State Transportation Innovation Council Members*	
Organization	Name
American Council of Engineering Companies of Texas (Austin)	Steve Stagner
American Public Works Association, Texas Chapter	Carlos Sanchez, P.E.
American Society of Civil Engineers, Texas Chapter	Audra N. Morse, PhD PE
Association of Texas Metropolitan Planning Organizations (TEMPO)	Dan Kessler
Central Texas Regional Mobility Authority	Michael Heiligenstein
Central Texas Regional Mobility Authority	Tim Reilly
Dallas Area Rapid Transit (DART)	Gary C. Thomas
Harris County Toll Road Authority	Gary K. Trietsch, P.E.
Harris County Toll Road Authority	John Tyler
Institute of Transportation Engineers, Texas District	Dale Picha
Intelligent Transportation Systems of America TX Chapter	Jeff Kaufman
Local Technical Assistance Program	Ashley Mathews
North Central Texas Council of Governments	Chris Klaus
North Texas Turnpike Authority	Elizabeth Mow
Rail Planning Section Director Texas Department of Transportation	Mark Werner
Texas Assoc. of County Engineers & Road Administrators	Joe Trammel, P.E., CFM
Texas Department of Motor Vehicles	Whitney Brewster
Texas Freight Advisory Committee	Judge Ed Emmett
Office of The Harris County Judge Ed Emmett	Barbara Koslov
Texas General Land Office (Deputy Director Leasing Operations)	Alan L. McWilliams
Texas Highway Patrol, Highway Safety Operations Center, TxDPS	MAJ David Palmer
Texas Transit Association	Meredith Greene
Women in Transportation Seminar, Heart of Texas	Lindsay Wood

***Membership is subject to change, these organizations have been invited to participate and send an appropriate designee.**