



Hawaii State Transportation Innovation Council (STIC)

Charter

Purpose:

This Charter establishes the Hawaii STIC and defines its mission, vision, scope and responsibilities, membership, and administration.

Vision:

The Hawaii STIC will foster a collaborative culture for rapid implementation of meaningful innovations to efficiently deliver to the public a modern, high-quality highway system.

Mission:

Facilitate the rapid deployment of innovative strategies and technology by transportation program delivery professionals at all levels of state government and throughout the private and non-profit sector to ensure smart, efficient investment in Hawaii highway infrastructure.

Scope and Responsibility:

- Provide a forum for discussing and proposing solutions to transportation-related problems.
- Develop a process to select strategies and technologies on which to focus deployment efforts.
- Provide leadership to promote and support rapid deployment of selected strategies and technologies.
- Identify and mobilize champions within the state who are committed to the deployment of chosen strategies and technologies.
- Share information with all state stakeholders through meetings, workshops, and conferences.
- Monitor the implementation of selected strategies and technologies.

STIC Membership:

Hawaii Department of Transportation (HDOT)

Director (Co-Chair)
Deputy Director, Highways Division

Federal Highway Administration (FHWA)

Division Administrator (Co-Chair)
Assistant Division Administrator

In addition, subject matter experts and other advisory members may be invited to attend STIC meetings. Hawaii STIC will be co-chaired by the HDOT Director and the FHWA Hawaii Division Administrator. All members who are not state or federal employees will serve as representatives and be appointed for a two-year term, with each member eligible to be reappointed for a successive two-year term.

Subject Matter Experts & Advisory Members

- Local Public Agencies (LPA)
- University of Hawaii, College of Engineering (UHCOE)
- American Council of Engineering Companies of Hawaii (ACECH)
- General Contractors Association (GCA)
- Cement & Concrete Products Industry of Hawaii (CCPI)
- Hawaii Asphalt Pavement Industry (HAPI)
- Hawaii Local Technical Assistance Program (Hawaii LTAP)
- FHWA Central Federal Lands Highway Division
- Others (TBD)

Meetings

The STIC will hold an annual forum to identify past EDC successes and potential innovations at a time and place set by the co-chairs. Attendance may be in person or any two-way interactive communications means, such as conference call or video conference. Special meetings may also be held during the year on an as-needed basis.

Subcommittees

The STIC may establish subordinate committees as it considers necessary for the implementation of the innovative initiatives.

Resources:

Staff support for the STIC will be provided by HDOT and FHWA Division subject matter experts assigned to lead efforts in the EDC Implementation Plan(s). Funding travel for STIC members and the implementation teams may be available from FHWA.

Time Frames:

The STIC will be an on-going team and will only be disbanded upon agreement of the two STIC co-chairs.



Ford N. Fuchigami, Director
Hawaii Department of Transportation

4.18.16

Date



Mayela Sosa, Division Administrator
Federal Highway Administration

18 Apr 2016

Date

Examples of innovations by Hawaii and others:

- Geosynthetic Reinforced Soil- Integrated Bridge System (GRS-IBS)
- Advancement of Intelligent Compaction/Continuous Compaction Control technologies
- High Friction Surface Treatments
- Prefabricated Full-depth Precast Concrete Deck Panels with Ultra-High Performance Concrete
- Connections
- Implementing Quality Environmental Documentation Principles
- Highway ROW Inventory Asset Database
- Design Work Flow Study
- Design-Build Guidance Documents
- Data Driven Safety Analysis
- Statewide Mapping and Computer-aided Design and Drafting (CADD) standards and source files for 3D design workflows
- TIM Peer Exchange
- Standard Drawings for Low-Cost Bridge Options for LPAs
- 3D Modeling
- Geospatial Utility Infrastructure Data Exchange
- Smarter Work Zone Workshops
- Road Diet Policies and Performance Measures
- Traffic Incident Management Conference
- Customization of AASHTO's Bridge Management software program
- Construction Manager at Risk Manual
- Use of mobile devices in e-Construction
- Scanning Tour on e-Construction