



MI-STIC: 10 Years of Advancing Innovation in Michigan

MI-STIC Meeting

March 21, 2022





Advancing Innovation

- Where We've Been
- Where We Are
- Where We Are Going



Where We've Been

- **6/25/2010 – Admin. Mendez Letter to all SDOT CEOs**
 - Announced EDC-1 Summits
 - Key Decision Makers, Contractors, Consultants, etc.
- **10/2010 – EDC-1 Summit Chicago, IL**
 - MI Statewide Implementation Team Created
- **09/2011 – Admin. Mendez Letter**
 - Call for STIC in Each State
 - National Transportation Innovation Network



Where We've Been

- **02/02/2012 – MDOT/ACEC Workshop**
 - Dep. Administrator Nadeau Keynote Speaker
- **03/08/2012 – National STIC Network webinar**
 - Charter signed
 - 1st in Nation
- **10/2012 EDC-2 Summit**
 - Detroit, MI

STIC

State Transportation Innovation Councils

Charter Members

Federal Highway Administration
Every Day Counts
Innovation Initiative



Michigan State Transportation Innovation Council (STIC) Charter

The Michigan Department of Transportation (MDOT), Local Public Agencies and tribal transportation agencies own the MI transportation system and make key decisions on how to deliver projects, as well as what techniques and technologies to use in the operation and safety on our highway system. The Michigan State Transportation Innovation Council (MI-STIC) can bring together stakeholders that represent all those market forces and work together to lead innovation in their state transportation program.

Purpose

This Charter establishes the Michigan State Transportation Innovation Council (MI-STIC) and defines its mission, scope and responsibility, membership, and administration.

Vision

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

Mission

Facilitate the rapid implementation of 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 Michigan's highway infrastructure.

Scope and Responsibility

MDOT, Local Public Agencies and tribal transportation agencies statewide own the system and make key decisions on how to deliver projects, as well as what techniques and technologies to use in the operation and safety on our highway system. The MI-STIC can bring together stakeholders that represent all those market forces and work together to lead innovation in their state transportation program.

The MI-STIC shall provide multi-stakeholder leadership to perpetuate the deployment of innovation in each state. The objectives and duties of the MI-STIC shall be to identify and recommend ways to ensure that the Michigan responds to key issues and challenges that impact the highway program. The MI-STIC will act as a catalyst for rapid deployment of those nationally identified technologies, techniques and tactics that have been demonstrated in "real world" applications and can offer improved performance/effectiveness in their state.

The MI-STIC will:

- Provide a means of ensuring regular contact between the MDOT, FHWA, Local Public Agencies, and highway sector.
- Advise the MDOT Director and FHWA-MI Division Administrator on the implementation of the Every Day Counts Initiative and related matters.

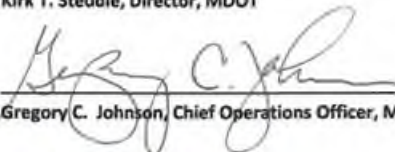
Every Day Counts

MI-STIC Charter Members

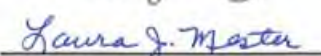
March 8, 2012



Kirk T. Steudle, Director, MDOT



Gregory C. Johnson, Chief Operations Officer, MDOT



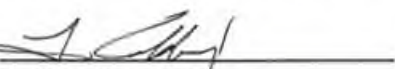
Laura J. Mester, Chief Administrative Officer, MDOT



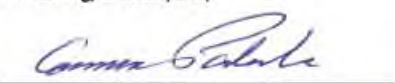
Mark Van Port Fleet, Highway Development Eng., MDOT



David Wresinski, Transportation Planning Dir., MDOT



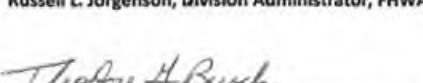
Tim Colling, Director, LTAP



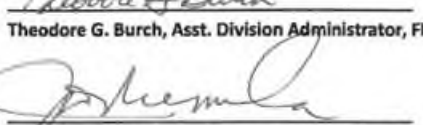
Carmine Palombo, Dir. Transportation Programs, SEMCOG



Russell L. Jorgenson, Division Administrator, FHWA



Theodore G. Burch, Asst. Division Administrator, FHWA



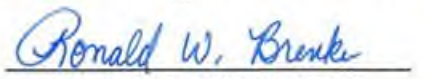
John Niemela, Director, County Road Association of Michigan



Jon Rice, State Board Director, NACE of MI



Glenn Bukoski, Vice Pres. of Engineering, MITA



Ronald W. Brenke, Exec. Director, ACEC-MI



Chad Gamble, APWA of MI



Where We've Been

- 2018 – Engineer of Research
 - Carol Aldrich assumes coordination duties



Appeals Academy.com



Where We've Been

- **10/2019 – MDOT “Boilerplate” Section 661**
 - Innovative Road Materials and Bridge Design Group
- **New MI-STIC Members:**

MI House of Representatives	MI Senate
Asphalt Paving Association of MI	MI Concrete Association
MI Municipal League	MI Association of Drain Commissioners
MI Aggregate Association	MI Road Preservation Association



MDOT:

- Paul Ajegba
- Tony Kratofil
- Laura Mester
- Terri Slaughter
- Gregg Brunner
- Carol Aldrich
- Brad Wieferich
- Matt Chynoweth
- Jean Ruestman

FHWA:

- Ted Burch
- Andrea Dewey
- Andy Pickard

- Tom Barrett, Michigan Senate
- Jack O'Malley, Michigan House
- Ryan Buck, WATS
- Rachelle VanDeventer, MITA
- Ron Brenke, ACEC
- Tim Colling, LTAP
- Daniel DeGraaf, MCA
- Chuck Mills, APAM
- Doug Needham, MAA
- Monica Ackerson Ware, MRPA
- Wayne Schoonover, NACE-MI
- Denise Donohue, CRA of Michigan
- Wayne Harrall, Kent County
- Bob Lindbeck, Alger County
- Steve Puuri, CRA of Michigan
- Brett Stanton, APAM



Where We've Been

- **08/2020 – MI-STIC Peer Exchange**
 - MI-STIC
 - FHWA
 - 11 States
- **2021 STIC Excellence Award Winner!**



Where We Are





Where We Are

- Accelerated Bridge Construction
- Data Driven Safety
- GRS-IBS
- Project Bundling
- Planning Environmental Linkages
- eConstruction
- Design/Build
- CMGC
- Virtual Public Involvement
- Safe Transportation for Every Pedestrian
- Traffic Incident Management



Where We Are

- **STIC Incentive Funds (\$800,000)**
- **Accelerating Innovation Deployment (AID) Demonstration Grants (\$7.3 million)**
- **Increased Federal share (\$9.7 million increased Federal share)**



Where We Are Going

- e-Ticketing
- Digital As-Builts
- VPI
- Ultra High-Performance Concrete
- 3D Models
- Safer Workzones



Where We Are Going

- **Soliciting STIC Incentive Fund Proposals**
- **Encouraging innovations**
- **Marketing and Outreach**



- State Transportation Innovation Councils (STIC)
(arcgis.com)
- EDC-6 Innovations | Federal Highway
Administration (dot.gov)



Here's to 10 More Years!

Contacts:

Carol Aldrich, MDOT

Ted Burch, FHWA