
North Carolina Transportation Innovation Council

Re-Chartered July 2019

The North Carolina Department of Transportation (NCDOT) and local public 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 of our transportation system. A State Transportation Innovation Council brings together stakeholders that represent all those market forces and work together to lead innovation in their state transportation program.

Purpose

This Charter establishes the North Carolina Transportation Innovation Council (NC-TIC) and defines its mission, scope and responsibility, membership, and administration.

Vision

The NC-TIC will foster a cooperative culture for rapid implementation of meaningful innovations to efficiently deliver the public a modern, high-quality transportation system. It will serve as a clearinghouse and collaborative resource for interdisciplinary information sharing, technological experimentation and use, partnerships, process improvements, research and development, and institutional capacity building.

Mission

The mission of the NC-TIC is to accelerate and help scale innovation within NCDOT and the state's surrounding transportation ecosystem by providing a platform for innovation, programming, and guidance on policies and best practices. The NC-TIC will facilitate the rapid deployment and implementation of technology, tactics, and techniques among transportation program delivery professionals at all levels of state government and throughout the private and non-profit sectors to ensure smart, efficient investment in, and enhancement of, North Carolina's transportation infrastructure.

Scope

The NC-TIC, through its Executive Committee, will provide leadership to perpetuate the deployment of transportation innovation in North Carolina. The objectives of the NC-TIC are to identify and implement innovation and technology opportunities to ensure that North Carolina responds to key issues and challenges that impact its transportation program. The NC-TIC will act as a catalyst for rapid deployment of new and emerging technologies, techniques, and tactics that have been demonstrated in "real world" applications and can offer improved performance/effectiveness in North Carolina.

Organizational Structure

The NC-TIC consists of an Executive Committee and Technical Coordination Committee.

NC-TIC Executive Committee

The Executive Committee provides leadership and policy direction to facilitate identification and implementation of innovation and technology opportunities to ensure that North Carolina responds to key issues and challenges that impact its transportation program. The Executive Committee consists of the following members.

1. NCDOT Secretary
2. FHWA NC Division Administrator
3. NCDOT Chief Deputy Secretary
4. NCDOT Chief Operating Officer
5. NCDOT General Counsel
6. NCDOT Chief Financial Officer
7. NCDOT Chief Innovation Officer

The NC-TIC Executive Committee shall meet bi-annually, once in SFY Q1 and again in SFY Q3 at a time and place set by the Secretary. In addition, the NC-TIC Executive Committee may be convened at any time in an emergency session to address time-critical topics as deemed necessary by the Secretary.

Items presented for NC-TIC Executive Committee review shall be circulated electronically for members' review far enough in advance of the meeting to allow members time to review the documents in a meaningful way.

NC-TIC Technical Coordination Committee

The NC-TIC Technical Coordination Committee is intended to incubate, implement, evaluate and pilot new programs; review performance outcomes, and execute department-wide processes and practice improvements for enhanced program delivery, safety, mobility and reducing congestion; and to prepare the Department and State for future technologies, as well as advise on recommendations to enhance the appearance and condition of transportation infrastructure and facilities. The membership of the Technical Coordination Committee enables it to:

- Advise the Executive Committee and provide a means of ensuring regular contact among NCDOT, local public agencies, academia, and the transportation sector.
- Advise the Executive Committee on the implementation of the *Every Day Counts* initiative and related matters.
- Provide leadership to promote and support rapid deployment of selected technologies, tactics, and techniques.
- Provide a forum for discussing and proposing solutions to transportation-related problems.
- Monitor and collaborate with regulatory entities to determine best practices and lessons learned from other states and counties.
- Conduct routine analysis of legislative and policy efforts impacting the state's transportation ecosystem, and provide recommendations and partnership

prescriptions supporting the same.

- Act as a liaison among the stakeholders represented by the transportation industry and academia, and other interested third parties, and provide a forum for those stakeholders on current and emerging issues in the transportation sector.
- Develop a process to select technologies, tactics, and techniques on which to focus implementation efforts.
- Identify, mobilize, and amplify the work of transportation champions within the state - including within NCDOT - who are committed to the deployment of chosen technology, tactics and techniques.
- Monitor performance metrics to ensure priority initiatives move into standard practice.
- Share information with all state stakeholders through meetings, workshops, and conferences.
- Share achievements and collaborate with the National STIC Network to learn about innovations being advanced throughout the country (i.e. participate in National STIC Network meetings, EDC Regional Summit s, Innovation Peer Exchanges, etc).

The NC-TIC Technical Coordination Committee membership shall consist of Directors/Managers from NCDOT, by invitation of the Executive Committee, along with participants in the FHWA's Every Day Counts initiatives (e.g., includes the STIC Incentive program, AID Demonstration projects, University Centers of Excellence, Industry Innovation Initiatives, etc.), as well as members of the NC-TIC prior to re-charter, inclusive of internal and external participants.

The NC-TIC Technical Coordination Committee shall meet quarterly to keep each respective office apprised of innovative pursuits, and will produce quarterly reports on the same to be delivered to the Chief Innovation Officer to share with the NC-TIC Executive Committee for review and feedback.

Innovation Identification, Evaluation, and Implementation

The NC-TIC enables all participants to evaluate the applicability of a technology, tactic, or technique and identify innovations for implementation. This process provides an objective and transparent approach to the allocation of resources for innovation deployment, and communicates the need to change current practice, leading to greater acceptance among the transportation community for innovation implementation.

Internal and External Affairs Planning

The NC-TIC can most effectively share innovation deployment efforts and successes with the transportation community, public, and legislators by developing and implementing an internal and external affairs strategy. This plan can aid in conveying the impact and benefits of implementing innovations within the state, local, and tribal governments, and demonstrates to policymakers and the traveling public that taxpayer dollars are being efficiently utilized.

The NC-TIC will share information with all stakeholders through its NCDOT Connect Website, NCDOT's general website, monthly newsletters and publications, industry and NCDOT

conferences, NCDOT and NC Board of Transportation meetings, etc. Feedback on innovations will be collected through subject matter experts, designated technical committees, members, and stakeholders attending NC-TIC meetings.

Measuring Success

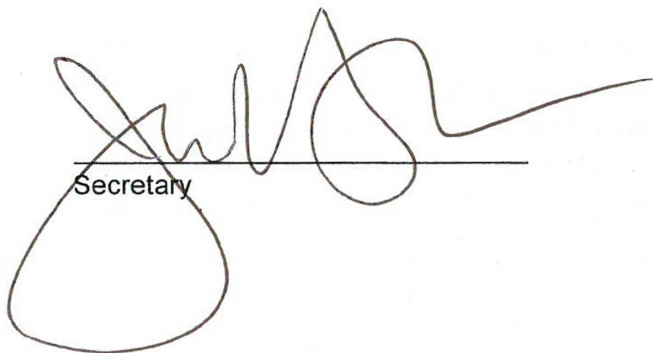
The NC-TIC defines the goals for each innovation and monitors performance throughout deployment to determine whether the goals are met. By setting goals, the NC-TIC relays the intended results from innovation deployment and encourages successful implementation.

Progress toward meeting the goals will be shared with members at NC-TIC meetings and used to provide compelling information supportive of internal and external affairs, programming, and projects.

The NC-TIC innovation goals include:

- Apply for and expend all available incentive funds
- Number of projects incorporating innovative practices
- Number of innovative practices adopted
- Number of days and/or money saved due to projects incorporating innovative practices
- Number of projects constructed with increased quality
- Number of lives saved
- Days of project delivery time saved
- Reduction in user delay
- Others as needed

Charter Dated: 11 Sept 2019



Secretary



FHWA NC Administrator