

THE EASTERN
TRANSPORTATION
COALITION



FY2024 WORKPLAN
CONNECTING FOR SOLUTIONS



June 30, 2023

We are pleased to share this **Fiscal Year 2024 (FY24) Workplan** for The Eastern Transportation Coalition (ETC).

The Workplan is designed to support the Coalition's vision to "advance the future of transportation" and its mission to "connect for solutions."

This Workplan defines the Coalition's activities in three programs—Transportation Systems Management and Operations (TSMO), Freight, and Innovation. It emphasizes the four FY24 Executive Board priorities: significantly increasing the **safety** of our region's transportation system; using **data** to support decision-making by both executive and operations staff; helping member agencies prepare for electric vehicles and other **transformative technologies**; and continuing to transition to **sustainable funding** for transportation.

The Workplan directs the Coalition's day-to-day activities, while also guiding quick-response research projects through our Special Cooperative Projects (SCOOP) initiative and potential multi-state initiatives that could be supported by discretionary grants from the Infrastructure Investment and Jobs Act (IIJA) and other federal programs.

The FY24 Workplan is in response to input from agency staff and reflects an increased participation from a range of disciplines and perspectives. We look forward to working with all our members and key partners in the year ahead to bring forward implementable solutions that advance the future of transportation in the Eastern states.

EXECUTIVE DIRECTOR



Patricia Hendren

EXECUTIVE BOARD LEADERSHIP



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Commissioner
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Fiscal Year 2024 Workplan Overview

This document summarizes the Workplan for The Eastern Transportation Coalition (TETC) for Fiscal Year 2024 (FY24, covering the period July 1, 2023, to June 30, 2024).

Executive Priorities

The Coalition's FY24 Workplan builds on its 28-year legacy including its three successful programs: Transportation Systems Management and Operations (TSMO), Freight, and Innovation. The Workplan also advances four priorities identified by the Executive Board during its February 2023 strategic planning session:

"Connecting for Solutions is not just a tagline—it's a call to action. Ideas are great, but it's up to us to identify what we can tackle by coming together...and that is where this Coalition excels."

Diane Gutierrez-Scaccetti, Commissioner,
New Jersey Department of Transportation,
and Chair, TETC Executive Board

- **Significantly increasing the safety of the region's transportation system.** The total number of traffic fatalities in the Coalition states increased 16 percent between 2019 and 2021, after several years of decline. All Coalition programs will work to reverse this curve and increase safety for all users through technology, innovation, and collaboration.
- **Providing data for decision making** by both executive and operations staff to improve safety, mobility, and resilience. This includes leveraging the Coalition's prior investments in data and tools, including the Transportation Data Marketplace that launched in July 2022 and expanding focus on the use of data in decision making.
- **Preparing Coalition member agencies for the transition to electric vehicles and other transformative technologies.** The Coalition will provide a forum on the implications for transportation agencies of electric and alternative fuel vehicles and related technologies, including the infrastructure and operations strategies to support this transition.
- **Supporting the transition to sustainable transportation funding strategies**—a long-term challenge that is becoming more pressing with the improving fuel efficiency of vehicles and conversion to electric vehicles. The Coalition will continue its nationally recognized work on mileage-based user fees, while also continuing to collaborate on tolling reciprocity challenges and making the business case for long-term funding for operations.

The Workplan supports Coalition members as they navigate demographic, economic, environmental, and technological changes - including a growing range of risks from extreme weather events to cybersecurity events. It outlines how Coalition members can work to support customer needs for moving people and freight and strengthen the economies and communities of the Eastern States.

COALITION WORKPLAN AT A GLANCE

VISION: ADVANCE THE FUTURE OF TRANSPORTATION

We envision a reliable, smart, integrated, sustainable, and resilient multimodal transportation system that maximizes safety, mobility, equity, and economic competitiveness of the Eastern states.

MISSION: CONNECT FOR SOLUTIONS

We develop innovative and implementable ideas, exchange best practices, test emerging technologies, and leverage data and tools to address operational, intermodal, and funding challenges. We accomplish this mission by bringing diverse agencies and perspectives together in a proactive, inclusive, and agile manner.

PROGRAM AREAS



*Transportation Systems
Management and Operations*



Freight



Innovation

2024 EXECUTIVE BOARD PRIORITIES



Safety



Data



**Transformative
Technology**



**Sustainable
Funding**

MEMBER BENEFITS

CONNECT—Collaborate on data, tools, and resources

INNOVATE—Advance new ideas, technologies, testing ground (“stuff you can use”)

EQUIP—Convene academies, workshops, and exchanges to help members network and get ready for the future (“safe place”)

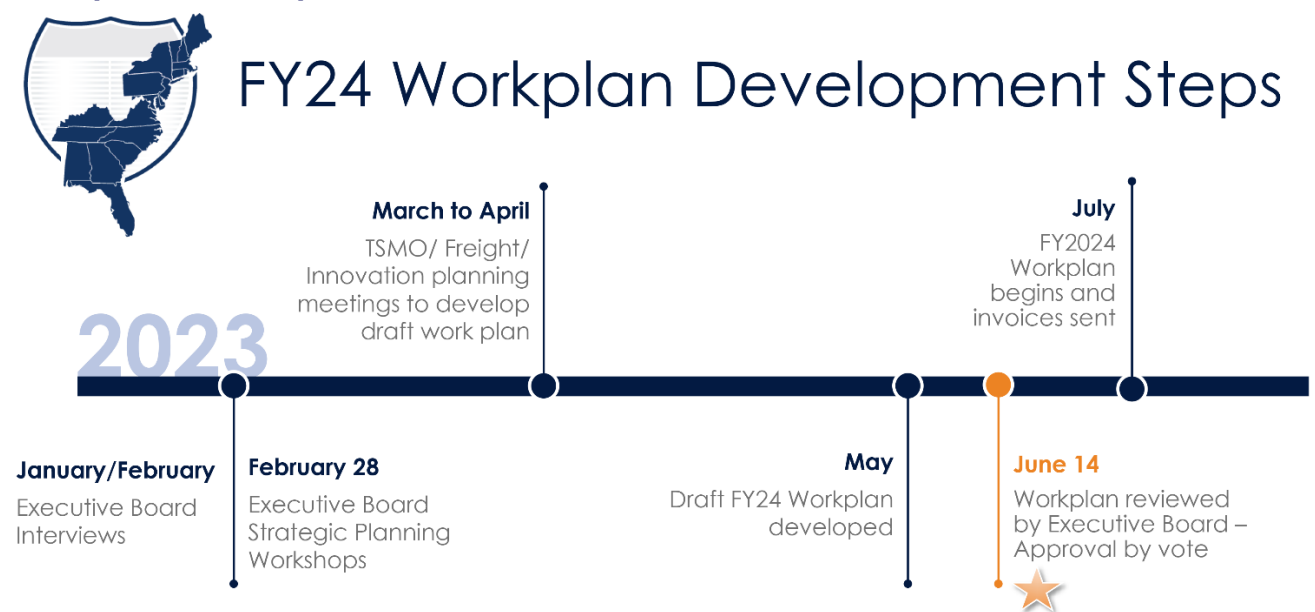
RESOURCE—Provide subject matter expertise, connections, and shared projects to support corridor priorities (“speed dial”)

ACT—Ensure effective, nimble, and quick response to emerging issues

The Workplan reflects key principles that have been foundational for the past few years:

- **Encourage cross-cutting solutions** that involve more than one Coalition program.
- **Bring diverse agencies and perspectives together** by continuing to broaden the Coalition's membership and strategic partnerships.
- **Focus on innovative and implementable solutions** that leverage Coalition member and staff expertise.
- **Leverage the value of the Coalition** by providing a collective voice of multiple states to address challenging issues, as well as economies of scale and shared funding opportunities for rapidly developing and deploying new approaches.

Workplan Development Process



The Workplan directs the Coalition's **core activities** (supported through member dues), the **Special Cooperative Projects (SCOOP)** initiative launched in FY23, and multi-state (and, often, multi-year) **demonstration projects** supported by external grants. The Workplan retains the Coalition's three programs, while adjusting their emphasis for the next year:





- The **TSMO** program will maintain its longstanding emphasis on incident response, traveler information, emergency operations and congestion management. This program also will integrate the Coalition's connected and automated vehicle initiatives that originated in the Innovation program, with an emphasis on how these technologies can enhance safety and operations.
- The **Freight** program will maintain its focus on freight data, planning, operations, safety, and technology with greater emphasis on ongoing working groups and resources to support evolving member needs.
- The **Innovation** program will place greater emphasis on **electric vehicles**, while maintaining its role in exploring sustainable funding options.

What We Do: The Coalition at Work

Activity	Description	Funding Source	Examples from FY23
Working groups	Regular meetings to work through specific topics; spotlight presentations	Core program	<ul style="list-style-type: none"> ■ 3rd Party Navigation and Mapping Working Group ■ Connected/Automated Vehicle Working Groups ■ Freight Data & Planning Working Group ■ Truck Parking Working Group ■ Tolling reciprocity
Peer exchange	Practitioner-only “closed-door” sharing on key topics	Core program	<ul style="list-style-type: none"> ■ Highway Operations Groups ■ Traveler Information Services Committee ■ Mileage-Based User Fees
Workshop/conference	Larger-scale interactive event with practitioners, subject matter experts, thought leaders	Core program	<ul style="list-style-type: none"> ■ Move Over Conference ■ Electric Vehicles Workshop
Virtual exchange	Opportunity to learn about successful strategies; wider audience and participation	Core program	<ul style="list-style-type: none"> ■ Automated Signal Performance ■ Traveler Information for Truckers ■ Making Sense of CAV Data
Training	Intensive, hands-on academies to build capacity and professional network	Core program	<ul style="list-style-type: none"> ■ Operations Academy ■ TMC Operators Academy ■ Freight Academy
Data & tools	Access to data and tools with cost savings	Core program/agency fee for service	<ul style="list-style-type: none"> ■ Transportation Data Marketplace ■ Data User Group
Special projects	Quick-response research projects	SCOOP fund	<ul style="list-style-type: none"> ■ Third-Party Navigation and Mapping Ticketing Hub ■ Virtual Incident Responder Training Module ■ ADAS Driver Training ■ Emergency Divisible Load ■ EV Contractor Model
Multi-state demonstrations	Collaboration on large-scale research and deployment initiatives	External grants	<ul style="list-style-type: none"> ■ Mileage-Based User Fee Demonstration Projects ■ East Coast Commercial ZEV Corridor Pilot

Support for Executive Board Priorities

The FY24 Workplan supports the identified priorities of the Executive Board.

Executive Priority	Example Activities		
	TSMO	Freight	Innovation
 <p>Safety</p>	<ul style="list-style-type: none"> Enhance audible hazards in 3rd party apps Advance Move Over Conference actions (e.g., helmet specifications) through Highway Operations Group (HOGs) Deliver TMC Operators Academy 	<ul style="list-style-type: none"> Continue Truck Parking Working Group with focus on safety Enhance in-cab alerts to drivers Share ways to mitigate, respond to bridge strikes, truck rollovers 	<ul style="list-style-type: none"> Conduct workshop on safety and emergency response implications of EV
 <p>Data</p>	<ul style="list-style-type: none"> Expand understanding of how agencies using data (e.g., work zone) Work with 3rd party providers on data feed improvements Understand Twitter/social media role in sharing traveler information 	<ul style="list-style-type: none"> Maintain Freight Data Working Group Revise Freight Data Matrix Explore launching a multimodal freight analytics lab 	<ul style="list-style-type: none"> Create EV Charging Station Data Specification Resource Conduct MBUF Clearinghouse Workshop
 <p>Transformative Technology</p>	<ul style="list-style-type: none"> Conduct exchanges on digital infrastructure in right of way Conduct exchanges on roadside safety technologies, artificial intelligence 	<ul style="list-style-type: none"> Complete East Coast Commercial ZEV Corridor Project 	<ul style="list-style-type: none"> Conduct workshop on changing role of state DOTs during transition to EV and alternative fuel infrastructure
 <p>Sustainable Funding</p>	<ul style="list-style-type: none"> Highlight effective TSMO performance measures and dashboards 	<ul style="list-style-type: none"> Continue MBUF Motor Carrier Working Group to explore industry impacts and priorities 	<ul style="list-style-type: none"> Conduct exploratory MBUF work in 8 Coalition states (Phase 5 grant) Launch Phase 6 STSFA Grant

How This Plan Is Organized

This Workplan is organized in the following sections:

- **Sections 1.0 to 3.0** outline the core activities for the Coalition's three programs: **TSMO**, **Freight**, and **Innovation**.
- **Section 4.0** describes the Coalition's **Special Cooperative Projects (SCOOP)** initiative.
- **Section 5.0** summarizes the Coalition's **strategic communications** activities.

What's Next

- Implement the Workplan through program areas and committees.
- Provide periodic progress reports to the Executive Board during Board calls throughout the year.
- Continue the Special Cooperative Projects initiative with calls for projects and contributions.
- Monitor the status of Infrastructure Investment and Jobs Act (IIJA) implementation, including discretionary funding opportunities suitable for multistate coalitions that could support Coalition activities without competing with state applications.
- Kickoff FY25 Workplan development at the February 2024 Board meeting.

"Every day we appreciate the opportunities that TETC membership brings our way. Thank you for making sure we feel part of the team!!."

Mike Hancock, Deputy Secretary, Kentucky Transportation Cabinet

1.0 Transportation Systems Management and Operations



Transportation Systems Management and Operations (TSMO) is the Coalition's largest and most established program. TSMO is an integrated set of strategies focused on operational improvements to maximize the safety, mobility, and reliability of the transportation system. The Coalition states account for more than 29 percent of all road miles and 41 percent of all vehicle miles traveled (VMT) in the nation, ranging from congested urban and intercity corridors to rural and emerging areas. People and freight trips regularly cross state lines. Incidents, special events, construction, and other disruptions often have broader systemwide impacts, highlighting the need for regional coordination and information sharing.

Emphasis Areas

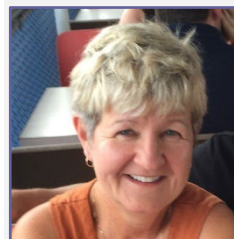
The TSMO program will focus in five areas:

- **Data**, extending the Coalition's successful initiatives for sharing traffic and related data among states and highlighting ways to effectively use a wider range of data and tools.
- **Traveler information**, focusing on sharing best practices and coordinating with WAZE, Google Maps, and other mapping and navigation systems to provide integrated traveler information across the Coalition states.
- **Highway Operations Group (HOGs)**, completing the refresh of regional forums for coordination across stakeholders and jurisdictions to improve incident management.
- **Connected vehicle and other emerging technologies**, integrating work initiated under the Innovation program to leverage new technologies to improve roadside operations, infrastructure, and safety practices.
- **Training**, offering Coalition member agency staff immersive education opportunities through nationally recognized programs and scholarships.

FY24 EMPHASIS AREAS

- Data
- Traveler Information
- Highway Operations Group (HOGs)
- Connected Vehicle and Other Emerging Technologies
- Training

TSMO DIRECTOR



Denise Markow

Program Activities

Data

The TSMO program will continue its longstanding emphasis on data, including sustaining the Transportation Data Marketplace (TDM); supporting data fusion and dissemination activities through the Regional Integrated Transportation Information Systems (RITIS) user group; and sharing best practices in data collection, analysis, exchange, and application to decision making.

Transportation Data Marketplace



Since 2009 the Coalition has negotiated on behalf of its members cost savings on data and products through the Vehicle Probe Project (VPP) data “marketplace.” In FY23, the Coalition launched the next phase of this initiative, a Transportation Data Marketplace (TDM) that continued existing core data related to travel time and speed and added new data sets related to volume, conflation, waypoints, origin/destination, and freight.

The TDM enables member states to access data from multiple vendors at discounted prices. The Coalition validates data, negotiates terms and data use agreements, and provides contract vehicles to save agencies time and resources. The TDM currently includes 12 vendors providing data in six categories. Ten states participated in TDM in its inaugural year.

The Coalition will continue to conduct outreach about available data sets and tools. The Point of Contact Committee will hold bi-annual updates with state representatives to provide updates on vendor products and contracting issues. The Technical Advisory Committee (TAC), with representatives from participating states, will direct the validation program, identify member needs and priorities, and address issues and potential conflicts with vendors. The TAC will conduct quarterly meetings and organize vendor forums as requested by members. The Coalition also will explore adding new data sets to the TDM, possibly covering weather or pedestrian and bicycle data.

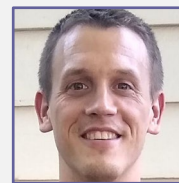
TECHNICAL ADVISORY COMMITTEE LEADERSHIP



Stan Young
Chief Data
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Transportation
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Mike Fontaine
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Virginia Department
of Transportation
and TAC Chair




**Zach
Vander Laan**
Faculty Specialist,
University of
Maryland Center
for Advanced
Transportation
Technology

Data User Group. The Coalition will continue its partnership with Regional Integrated Transportation Information Systems (RITIS), a big data aggregation and platform for transportation. Participating agencies can view transportation and emergency management data through innovative visualizations and use these data to improve safety, operations, and emergency preparedness. The University of Maryland Center for Advanced Transportation Technology (CATT) Lab will continue to partner with the Coalition to showcase member uses of the RITIS platform. The Workplan includes four RITIS User Group meetings, support for a RITIS Performance Measures Working Group, and support for a RITIS Enhancement Working Group to coordinate development of power user enhancements with Massachusetts DOT as lead state. In addition, the Workplan includes two RITIS workshops provided by the CATT Lab to show how to develop clear, informative performance reports using RITIS tools and templates.

DATA USER GROUP LEADERSHIP



Jesse Buerk
Delaware Valley
Regional Planning
Commission



Matt Glasser
Arcadis

Data Webinars. The Workplan includes two data webinars or virtual exchanges to share best practices among member states. Potential webinar topics include real time dashboards; smart work zone data and products; artificial intelligence; and integration of additional data sources such as pedestrian, bicycle, or transit data, weather data, and flooding and other resilience data.

Traveler Information Services

The **Traveler Information Services Committee** supports the development of Coalition-wide, multimodal traveler information systems. This committee will meet twice in FY24 for an annual meeting and topic-specific summits using a combination of virtual and in-person formats. These peer-to-peer exchanges will include agency showcase presentations and roundtable discussions.

Potential peer-to-peer exchange topics include:

- Learning more about the changing role of **social media** in sharing traveler information, such as the use of Twitter.
- How to provide better information across jurisdictions about **roadway and bridge restrictions**.
- The state of the practice and **future plans for 511**.
- **Integrating arterial management and freeway operations** data during traffic diversions.

TRAVELER INFORMATION SERVICES COMMITTEE LEADERSHIP



John Parker
Pennsylvania
Turnpike
Commission



Kelly Wells
North Carolina
Department of
Transportation

This committee will continue to coordinate with **WAZE, Google Maps, and other third-party mapping initiatives** to enhance coordination with Coalition states. Two working groups support this effort, with one focusing on WAZE and Google Maps, and the second on other third-party initiatives. The Workplan includes two meetings of these working groups to focus on data Integration and product roadmap features, as well as a workshop to help members improve their data feeds. The TSMO program will also continue to coordinate closely with the Freight Program on enhancing in-cab alerts to truck drivers.

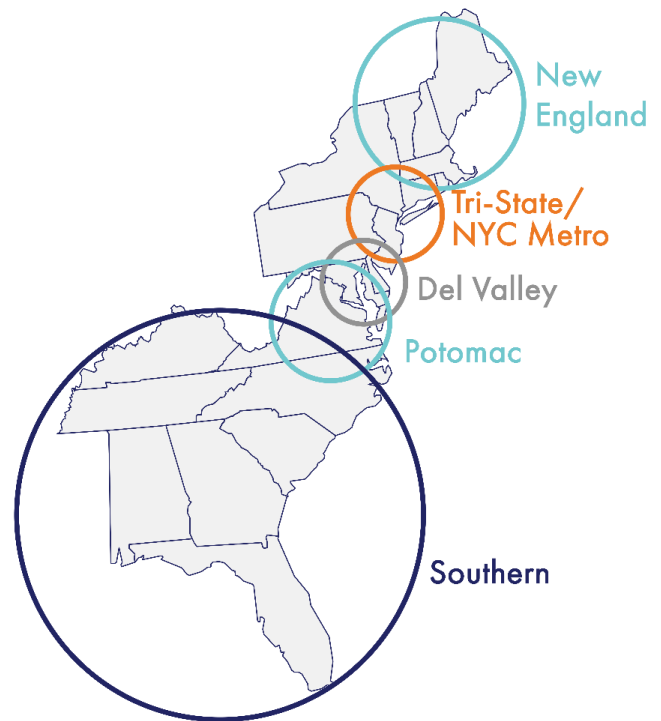


In FY23, a SCOOP project supported creation of a 3rd Party Mapping Navigation Ticketing Hub to prioritize requests to resolve Issues with third-party navigation providers. In FY24, members will be trained on how to use the ticketing hub and an assessment will be conducted on its effectiveness.

Highway Operations Groups (HOGs)

The TSMO program will continue efforts to restart **Highway Operations Groups (HOGs)** for five regions: **New England, Tri-State/New York City Metro, Delaware Valley, Potomac,** and **Southern**. HOGs provide a forum for member agencies to improve incident management, including its impacts on safety and mobility. HOGs are multidisciplinary, bringing together operations, maintenance, and first responder staff for discussions on challenges and opportunities across jurisdictional boundaries.

The Coalition will engage the HOGs to continue to meet member needs, including an option to connect in virtual or in-person meetings. The Coalition will seek to reengage operations, maintenance, law enforcement, incident management, towing, and freight operations staff with an emphasis on improving safety.



The Coalition will hold an annual HOGs event in each region in FY24:

- One event each in the New England, Delaware Valley, and Southern regions.
- A collaborative event between the Tri-State HOG and the Transportation Operations Coordinating Committee (TRANSCOM) in the New York City metropolitan area.
- A collaborative event between the Potomac HOG and the Metropolitan Area Transportation Operations Coordination (MATOC) in the Washington, DC area.

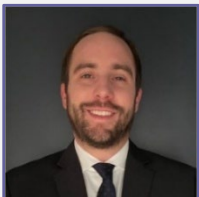
The FY24 HOGs meetings will focus on actions identified at the May 2023 **Move Over Conference** and the new virtual incident responder training developed under an FY23 SCOOP project. HOGs exchanges may also address Advanced Transportation Management Systems (ATMS) vendor traffic operations, agency performance measure reports, resilience in road and weather operations including snow and ice removal, and commercial vehicle incident management.

Connected Vehicle and Other Emerging Technologies

To better support Coalition members, the Connected and Automated Vehicle (CAV) activities are moving from the Innovation program to the TSMO program. In FY24, the Coalition will provide support to member agencies as they advance vehicle to everything (V2X) connectivity. The Coalition's work will emphasize transportation technology that supports safer and more reliable roads. Topics suggested by members include variable speed limits, wrong way driver detection, curve speed warning, rural intersection collision avoidance, signal phase and timing, smart work zones, and queue warning.

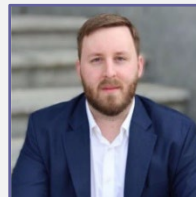
The Coalition will continue to maintain three **CAV working groups**, covering the **Southeast**, **Mid-Atlantic**, and **Northeast** regions. These groups comprise staff working on all aspects of CAV implementation, including technology, operations, safety, roadway assets, resiliency, policy, and regulations. The working groups are forums for collaboration and exchange. Each group will meet one to two times per year, with a mix of in-person and virtual events. The emphasis will be on activities that can increase safety on our roads.

CAV WORKING GROUP LEADERSHIP



Peter Calcaterra

*Connecticut Department
of Transportation
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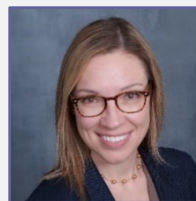
Mark Kopko

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of Transportation (Mid Atlantic)*



Raj Ponnaluri

*Florida Department
of Transportation (Southeast)*



Lisa Miller

*Program Associate,
The Eastern Transportation
Coalition*

The Coalition also will sponsor two additional **emerging technology virtual exchanges** focusing on other TSMO technology-related topics. These may include: artificial intelligence and machine learning applications; use of unmanned aerial vehicles for transportation and incident management; use of emerging technologies for incident response, such as HAAS alerts; updates on the use of Sphat; wrong way driver warning systems, including managing false alarms; queue warning systems; tools that support Weather Responsive Traffic

Management and Road Weather Information Systems; and video enterprise systems and platforms. The TSMO program also will partner with the Innovation program to bring together operations staff, first responders, and EV planners to discuss the safety implications of EV operations (see discussion in **Innovation** program).

The Coalition also will convene a **fiber workshop** to help member agencies identify opportunities for use of roadside right of way to install broadband and other digital technologies. The workshop will identify opportunities to enhance safety, reliability, and cross jurisdictional information exchange; lessons learned from initial deployments; and example policies, agreements, and funding opportunities that could serve as a resource for members.



"Arranging in-person exchanges between peers is one of the best things the coalition can do. Sometimes the peer-to-peer networking after the meeting is just as beneficial as the meeting"

Mark Kopko, Pennsylvania DOT

Training

The training programs include scholarship support to enable member agencies to participate in nationally recognized programs developed by the Coalition.

In FY24, the Coalition will provide at least 18 scholarships to the **Operations Academy** with a goal of including at least one participant from each member state. The Operations Academy is an immersive program designed to strengthen agency workforce skills related to TSMO. The program uses a mix of classroom instruction, team workshops, field studies, and presentations by nationally recognized guest speakers. It provides opportunities to practice and apply the principles learned that are not possible in traditional classes and short courses. Acceptance to the program is competitive, and requires the nomination of a local, state, or federal transportation agency. The FY24 program will be offered in a hybrid format combining 10 virtual sessions and five in-person dates between September and November 2023.







The Coalition also will conduct its second **TMC Operators Academy** in June 2024. This academy, targeted at TMC operators and supervisors working on the floor, will include 2.5 days of in-person training and activities focusing on topics such as leadership and media







training, emerging ITS technologies, traffic incident management (including safety patrols and after-action reviews), and traveler information.

The Coalition will continue a pooled fund to enable the member state departments of transportation (DOT) to access and to pay for **Consortium for Innovative Transportation Education (CITE)** classes. This fund supports instructor-led and/or independent (self-paced) courses. New CITE course offerings include TSMO 101, Program Planning for TSMO, and Capability Maturity Matrixes: Assessing Agency Capabilities. The Coalition will continue to reach out to members on course availability, and track member participation in the courses.

Finally, the Coalition will conduct incident responder training for several states, using the **virtual incident responder module** developed as a SCOOP project in FY23. Delivery will begin with integration into the 5 HOGs exchanges.

TSMO Workplan Summary

Emphasis Area	Projects/Deliverables	Executive Board Priorities	Related Programs
Data	<ul style="list-style-type: none"> ■ Ongoing support and potential extension of Transportation Data Marketplace (TDM). ■ Four TDM Technical Advisory Committee meetings and two TDM Point of Contact Committee meetings (agenda, presentation materials, summaries, and action items). ■ Four Data User Group meetings, ongoing RITIS Performance Measures Working Group and RITIS Enhancement Working Group, and two RITIS Performance Report Workshops (agenda, presentation materials, summaries, and action items). ■ Two data topic-driven webinars (agenda, presentation materials, summaries, and action items). 	 	
Traveler Information	<ul style="list-style-type: none"> ■ Two Traveler Information Services Committee peer-to-peer exchanges (agenda, presentation materials, summaries, and action items). ■ Two WAZE/Google and Third-Party Navigation and Mapping Working Group meetings; ongoing coordination with WAZE, Google Maps, and other providers. 	 	

Emphasis Area	Projects/Deliverables	Executive Board Priorities	Related Programs
Highway Operations Groups	<ul style="list-style-type: none"> At least one Highway Operations Group meeting in each of five regions (agenda, presentation materials, summaries, and action items). 		
Connected Vehicle and Other Emerging Technologies	<ul style="list-style-type: none"> Three CAV working groups, with up to two meetings each. Two emerging technology TSMO topic-driven webinars (agenda, presentation materials, summaries, and action items). Workshop on use of roadside right of way for fiber and other technologies. 	 	
Training	<ul style="list-style-type: none"> Operations Academy in hybrid format with at least 18 scholarships. Bi-annual TMC Operators Academy. Pooled fund for Coalition member participation in CITE training courses. Incident responder training for multiple states using new virtual module. 		

2.0 Freight



The Freight program focuses on improving the safety, mobility, and resiliency of the movement of goods throughout the Eastern States. The Coalition accounts for about 42 percent of U.S. jobs and gross domestic product and moves more than \$5.4 trillion in domestic trade and \$1.4 trillion in international trade each year, with many trips crossing jurisdictional boundaries. The program emphasizes multistate opportunities that reflect the scale at which freight moves, considering the wide range of urban, rural, coastal, and inland communities and the complex web of major highways, railways, seaports, and air cargo hubs in the Eastern states.

A Coalition-wide **Freight Committee** manages the Freight program. Committee members include state DOTs, metropolitan planning organizations (MPO), port authorities, federal agencies, and trucking, rail, and other industry associations.

Emphasis Areas

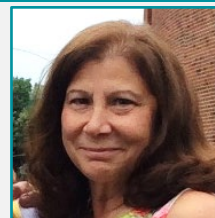
The Freight Program will focus in three primary areas:

- **Freight Data and Planning**, with emphasis on sharing innovative data, tools, and practices developed by states and supporting member agency planning related to topics such as freight mobility, truck parking, and freight technology.
- **Freight Operations, Safety, and Resiliency**, with emphasis on enhancing commercial vehicle and freight operations and supply chain resiliency across all modes, including during disruptions and events.
- **Training**, helping member agencies equip staff to help plan and manage transportation systems that support freight safety, operations, and resiliency.

FY24 EMPHASIS AREAS

- Freight Data and Planning
- Freight Operations, Safety, and Resiliency
- Training

FREIGHT LEADERSHIP



Marygrace Parker
*Freight Director,
The Eastern
Transportation
Coalition*



Dan Pallme
*Tennessee
Department of
Transportation*



David Rosenberg
*New York State
Department of
Transportation*

Program Activities

Freight Data and Planning

The Coalition will maintain a **Freight Data and Planning Working Group**, supported by member staff with expertise in freight data and planning. This group will explore existing and emerging freight data sources and share innovative planning practices among member states. The group will meet quarterly for spotlight presentations and practitioner-only discussions. Topics may include:

FREIGHT DATA AND PLANNING WORKING GROUP LEADERSHIP	
	Josh O'Neill <i>Rhode Island Statewide Planning</i>

- **Innovative applications of data and tools** (developed by agencies in house or by partners) to support planning for freight safety, operations, and resiliency, as well as long-term investments.
- Existing applications and potential extensions of the **Transportation Data Marketplace (TDM)** for freight analyses, including additional supply chain and real time freight/commercial vehicle data.
- The potential to build on existing Coalition data capabilities (agency, TDM, and other initiatives) to create a “**multimodal freight analytics laboratory**” to support member agencies.
- **Best practices in pursuing IIJA grants**, such as the criteria and processes states use to determining which grant applications their agency wants to pursue, addressing state priorities in the context of grant requirements, and facilitating interagency and public/private collaboration.
- Roundtable discussion on freight implications of potential **passenger rail expansion on freight rail lines**.
- Approaches for **mapping major freight generators** and related infrastructure, such as sharing effective agency examples and exploring the potential for regional or coalition-wide maps.

The Working Group will maintain several documents as **resource support** for members:

- Rebuild and refine the Coalition's **Freight Data Matrix**, which will be updated to include new and enhanced federal data sets; spotlight applicable state-level data examples; and incorporate elements from applicable TDM datasets.
- Maintain and expand the **State Freight Plan Matrix** created in FY23, including refreshing state-specific information as freight plan updates and special studies are completed, as well as adding content on planning activities related to truck parking, safety, energy, rail, ports/waterways, funding, and other emerging issues.

The Freight Program also will provide **freight technology and innovation planning support** to help member agencies understand and prepare for the planning implications of transformative freight technologies. The emphasis will be on the transition to zero-emission vehicles (ZEV) for freight. The Coalition will continue work begun in FY23 to support member agencies' National Electric Vehicle Initiative (NEVI) program implementation, including providing expertise on ZEV freight components through a workshop or peer exchange. The Freight Program also will leverage work conducted under the **East Coast Commercial ZEV Corridor Project** to spur development of medium- and heavy-duty zero-emission vehicle infrastructure (supported through federal grant; see discussion under **Innovation** program).

The Coalition will continue its **Truck Parking Working Group**, comprised of member agency staff from planning, operations, and maintenance. This working group will meet quarterly to share spotlight presentations on state initiatives, as well as to provide a roundtable for exchange among states. Potential meeting topics will focus on:

- **Safety:** truck parking-related strategies that help reduce the risk of crashes, such as reducing shoulder parking, driver fatigue, and hours of service violations.

- **Capacity:** strategies for optimizing existing or developing new truck parking capacity, such as using TSMO applications to share information and manage truck flow around parking locations; locating truck parking at weigh stations or inspection sites; engaging industry partners in identifying truck parking locations; coordinating land use decisions, including locating new truck parking capacity relative to distribution centers; and sharing best practices on funding for truck parking capacity, operations, and maintenance, leveraging IIJA, ITD, and public/private partnership opportunities. This may include providing support to member agencies on federal grants for new truck parking capacity when they become available.



The Freight Program also will provide expertise as applicable to assist ongoing initiatives to understand the policy and operational issues related to **Mileage-Based User Fees** and other sustainable funding strategies (see discussion under **Innovation** program).

Freight Operations, Safety, and Resiliency

Freight operations, safety, and resiliency activities will focus on equipping operations staff with the tools and partnerships to anticipate and respond to real-time conditions and events. The Freight Program Committee will convene up to three **Freight Operations** exchanges to spotlight effective safety, operations, and resilience practices and facilitate sharing of ideas among member agencies. The exchanges will primarily occur in virtual format, with the potential for one in-person event. Potential topics may include:

- **Managing commercial vehicle safety and supply chain resiliency** during major crashes, special events, and other disruptions.

- Use of ITS/transportation technology to **reduce traffic and safety impacts from freight**—for example, implementing freight priority signal timing systems, detecting and responding to bridge hits and truck rollovers, and managing of rail grade crossings impacting emergency response during operations.
- **Optimizing modal use** among water, rail, and highways by sharing strategies to develop/expand inland ports, dry ports, and marine highways.
- Addressing **highway freight bottlenecks**—for example, how states are identifying their top freight bottlenecks and addressing these bottlenecks through capacity, operations, or policy/regulatory actions.

In many cases, the approach to these topics will be to identify candidate states to share their approaches and lessons learned in ways that can be documented and applied in other locations. The Coalition staff and program support can assist with conducting mini-scans, identifying promising practices, and documenting approaches.













In addition to these events, the Freight Program will continue to facilitate and promote **real-time alerts to commercial vehicles to enhance safety and resiliency**. The program will continue work focused on state DOT delivery of real-time alerts to commercial vehicles before and after disruptions such as major crashes or extreme weather events. The approach will build on work by the TSMO program to coordinate with mapping companies, as well as successful efforts including Drivewyze, HAAS, and other customized alerts for trucks. The program will bring in private sector users (e.g., motor carrier industry associations and trucking companies) to provide input including potential onboard technologies that can be leveraged for alerts. This collaboration will support virtual exchanges on applications of CVO alert concepts and deployment examples by agencies and industry stakeholders.

The Coalition also will enhance its web-based **CVO Portal**, which links directly to state and related resources for trucking companies and drivers on topics such as commercial vehicle regulations, safety, and operations. The Coalition will update and expand content to include other topics related to safety and resilience, such as commercial vehicle travel restrictions.

Training

The Coalition convened its nationally recognized **Freight Academy** in June 2023—the first in-person Freight Academy since 2019. The Freight Academy helps operations, policy, and planning staff better understand freight as an integral part of the transportation system. The Academy includes immersive training, field visits, opportunities to engage with private sector entities, and capstone group projects during a six-day immersive program. The Coalition provided several scholarships for Coalition members. In FY24, the Coalition will evaluate the 2023 Freight Academy including a report out of capstone work; identify opportunities to engage agency graduates in Coalition freight and related program activities; and begin planning for the FY25 Freight Academy.

Freight Workplan Summary

Emphasis Area	Projects/Deliverables	Executive Board Priorities	Related Programs
Data and Planning	<ul style="list-style-type: none"> Up to 4 Freight Data and Planning Working Group meetings (agenda, presentation materials, summary, and action items). Updated and expanded Freight Data Matrix. Updated and expanded State Freight Plan Matrix. Facilitation of industry input in the exploration of Mileage-Based User Fees. One or more workshops on planning for transformative freight technology, particularly related to ZEV commercial vehicle fleets and corridors. Up to 4 Truck Parking Working Group meetings (agenda, presentation materials, summary, and action items). 	   	 
Freight Operations, Safety, and Resilience	<ul style="list-style-type: none"> Up to 3 freight operations exchanges to focus on safety and resiliency strategies (in-person or virtual) (agenda, presentation materials, summary, and action items). Virtual exchange on concepts and applications for CVO alerts related to safety and resilience. Updated and expanded CVO Portal. 	 	
Training	<ul style="list-style-type: none"> Sharing of strategies and insights gained from industry partners from FY23 Freight Academy, including capstone reports. Initial planning for FY25 Freight Academy. 	 	

3.0 Innovation



The Innovation program is designed to be an incubator: a home to new, dynamic topics in the transportation field. This structure provides an opportunity to apply resources to new or evolving areas in the transportation industry our members are facing due to factors such as technological advances, policy priorities, or funding challenges and opportunities.

Emphasis Areas

The Executive Board prioritized two Innovation topics in FY24:

- **Electric vehicles (EV)**, with emphasis on facilitating peer-to-peer exchange, strengthening partnerships, and developing tools to help states prepare for EV deployment.
- **Sustainable transportation funding**, with emphasis on mileage-based user fees.

Program Activities

Electric Vehicles

The Coalition launched an Electric Vehicle (EV) initiative in FY22. The goal of the initiative remains to support member agencies as they help manage the transition to an electric vehicle fleet, and to stay flexible and responsive in this dynamic moment in the field of transportation. All member states received approval on their National Electric Vehicle Infrastructure (NEVI) program plans in August 2022, and then moved into the contracting stage for implementation of the DC fast chargers on the network. In response, TETC initiated a project through the SCOOP fund to create a guidance document outlining best practices for contracting with vendors for DC fast chargers. Building on this work, a resource document on what EV fast charger data format and processing specifications should be Included In contracts/RFPs to ensure the data collected is useful.



FY24 EMPHASIS AREAS

- Electric Vehicles
- Sustainable Transportation Funding

INNOVATION PROGRAM TEAM



Ginna Reeder
*Innovation Director,
The Eastern
Transportation Coalition*

In FY24, the EV initiative will continue to bring practical guidance and tools into the hands of DOT staff through projects, events, and ongoing exchange of information across members. The Coalition will:

- Convene the **EV Working Group** virtually up to two times throughout the year, with a mix of peer-to-peer updates and check ins and more focused presentations on a particular topic (e.g., DOTs transitioning their own fleets to alternative fuel vehicles).
- Continue to support the **EV Working Group listserv** that was established in FY23 as a mechanism for members to conduct ongoing conversations as they navigate the transition to EVs in real time.
- Collaborate with the **Joint Office of Energy and Transportation** to share resources and peer experiences among and between members and partner agencies.

The FY24 Workplan will include two workshops:

- **Safety Considerations and Emergency Response to EVs:** In partnership with the TSMO program, this workshop will bring together operations staff, first responders, and EV planners to discuss safety implications of EV operations. Topics will include incident response, fires, evacuations, and mobile charging. States will share what they are already doing, what needs to be learned, and what partnerships and collaboration are critical to success.
- **A Post-NEVI World: What is the Long Game for DOTs on EVs and Other Alternative Fuels?** As we move through the transition toward EV and other alternative fuel vehicles, state DOTs are playing a critical role building the initial charging infrastructure using NEVI funds. But once EV charging networks are on the roadways, what will the DOT's role be? How will the motor carrier industry's fuel decisions and possible shift toward hydrogen impact demand for charging networks? Will the DOTs have a role in establishing or regulating consumer prices of the electricity being sold? How will DOTs leverage EV charging to supplement the decline in fuel tax revenue resulting from EVs and increasing fuel efficiency? This workshop will identify options, consider challenges and opportunities, support peer discussion, and provide attendees with ideas and next steps to help DOT leaders and practitioners. The workshop will be a partnership with the **Freight** program.

EV WORKING GROUP CHAIRS



Colton Brown
*Pennsylvania
Department of
Transportation*



April Combs
*Florida Department of
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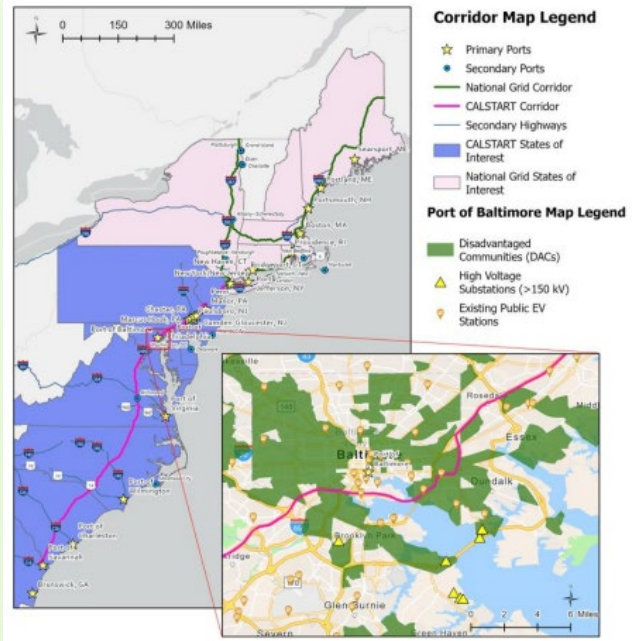
Natasha Fackler
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Department of
Transportation*



Patrick Murphy
*Vermont Agency of
Transportation*

East Coast Commercial ZEV Corridor Project

In partnership with Calstart and others, the Coalition has been awarded a grant from the U.S. Department of Energy to support an East Coast Commercial ZEV Corridor Project. Starting in FY24, the team will conduct an intensive strategic planning effort to spur the deployment of medium and heavy duty zero-emission vehicle infrastructure. The approach centers equity, freight planning priorities, and industry insights to promote commercial ZEV infrastructure that benefits frontline communities. The Coalition will leverage our relationships to bring the right staff to the table, across both the freight and EV practitioners in our member agencies.



Sustainable Transportation Funding

For several years, the Coalition has led discussions along the East Coast about the benefits and implications of a transition to Mileage-Based User Fees. This work will continue in FY24 (see box on page 26).

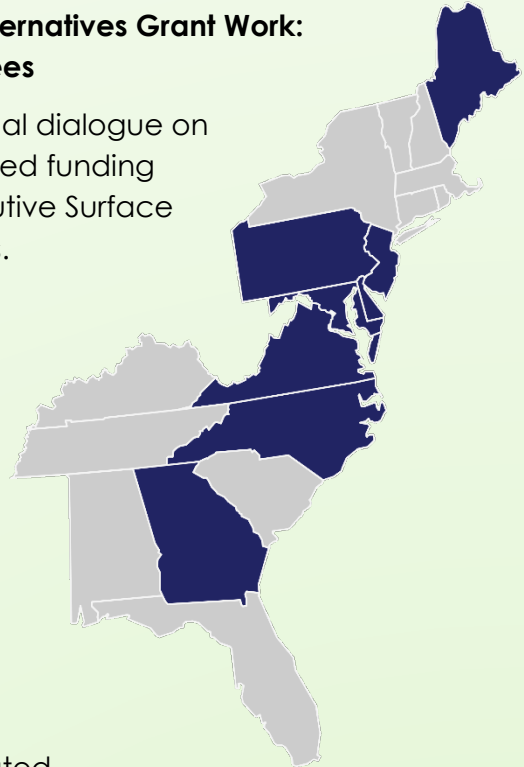
The Coalition's emphasis on sustainable funding for the past several years also included increasing the effectiveness of toll operations and revenue collections. After several years leading an active Toll Violation Enforcement Reciprocity (TVER) Working Group, TETC joined efforts with the International Bridge, Tunnel, and Turnpike Association (IBTTA) as they became focused on lost revenue and reciprocity agreements. In addition, the Coalition will look to other groups and partnerships to bring resources and best practices to the members of the Coalition working to decrease toll violations.

Surface Transportation System Funding Alternatives Grant Work: Mileage-Based User Fees

Since FY18 the Coalition has been involved in the national dialogue on assessing the feasibility of transitioning to a distance-based funding approach. The Coalition has been awarded six consecutive Surface Transportation System Funding Alternative (STSFAs) grants.

The grant work to date has focused on pilots with key stakeholders and the general public, equity analyses, rate setting explorations, message testing, public education and outreach, statewide public opinion surveys, and peer exchanges. The Coalition has also worked to bring the motor carrier industry into this exploratory work.

In FY23, Virginia launched a voluntary MBUF program and leveraged resources through the Coalition grant to conduct message testing. The message testing not only was successful (revealing that four key messages resonated with Virginia residents), but also elevated the awareness of the program, which has far exceeded enrollment expectations. As this work continues, more states are looking towards legislation and other steps towards implementation. The Coalition will continue to be partners in this work and support the dialogue at state, regional, and federal levels.



Overview of TETC MBUF Work

NATION'S FIRST MULTI-STATE & NATIONAL TRUCK PILOTS

9 Passenger Vehicle Pilots*
* 5 general public and 4 stakeholder

3 Commercial Vehicle Pilots

2,700+ Passenger Vehicles

14 States Represented Among Participants

3,000+ Public Opinion Survey Respondents

Completed
4 of 6
awarded grants

500+ Commercial Trucks

19M Miles traveled

48 States Traveled + Canada

Participant Surveys & Focus Groups

Geographic & Socioeconomic Equity Analysis







Tolling, Congestion Mitigation & Rate-Setting Studies

Participant Surveys & Interviews

Motor Carrier Working Group

Rate-Setting Studies

Innovation Workplan Summary

Emphasis Area	Projects/Deliverables	Executive Board Priorities	Related Programs
Electric Vehicles	<ul style="list-style-type: none"> ■ Up to 2 EV working group virtual meetings (agenda, presentation materials, summary, and action items). ■ Enhanced listserv to share information about EV. ■ Ongoing collaboration with Joint Office of Energy and Transportation and other partner groups. ■ 2 workshops exploring the safety implications of EV operations and the changing role of state DOTs with EV and alternative fuel infrastructure (agenda, presentation materials, summary, and action items). ■ East Coast Commercial ZEV Corridor Project, funded through U.S. Department of Energy grant. ■ Resource document on what EV fast charger data format and processing specifications should be Included In contracts/RFPs. 	  	
Sustainable Transportation Funding	<ul style="list-style-type: none"> ■ Integration of Coalition members and staff into IBTTA Lost Revenue Task Force and Reciprocity Subcommittee; sharing of research and products with Coalition members. ■ Completion of Phase 5 Mileage-Based User Fee (MBUF) pilots and research; launch of Phase 6 research including implementation guidance. 		

4.0 Special Cooperative Projects



The majority of the Coalition's core activities are supported by the annual member dues provided by each state. Recognizing the value of collective action, the Coalition in FY23 established a Special Cooperative Projects (SCOOP) fund with contributions from member agencies to support quick-turnaround projects that address pressing or emerging issues through new and innovative solutions. These could include research, data and tools

development, analysis, and capacity-building.

The SCOOP fund supports the growing demand for quick-response projects that are too large to be funded out of the Coalition's core program, but too small or time-sensitive to be funded through discretionary grants or other application-based funding sources. SCOOP fosters collaboration that supports the Coalition's emphasis on developing innovative and implementable ideas, testing emerging technologies, and leveraging data.

This Fund is intended to support projects that:

- Can be completed within 6 to 12 months.
- Are anticipated to provide benefits that extend beyond one state and support multi-state and cross-border collaboration.
- Have immediate urgency, but also support longer-term strategic needs.
- Address unique opportunities that are not underway by other associations or groups of states.
- Support the Coalition's vision, mission, and Executive Board priorities for the year.

SCOOP is designed as a 12-month process. Members identify project ideas in April/May of each calendar year. Agencies confirm their intent to participate in SCOOP by July of each year. A SCOOP committee comprising participating states selects projects for funding in August of each year. Projects then get underway, and the work is evaluated in February/March in preparation for the next year's SCOOP cycle.

In FY23, 10 states contributed a total of \$400,000 to this fund. Five SCOOP projects were initiated in FY23.






"I want to pass along my thoughts of how I've truly enjoyed working with the folks at the Coalition. This is especially so with SCOOP and TDM—such innovative programs that add so much to the membership. You folks have been so accommodating. Many, many thanks!"

New York State Department of Transportation

Project	State Ambassador	Anticipated Completion	Deliverables
Third Party Mapping Navigation Ticket Hub	Kentucky	May 2023	Release of ticketing hub for states to submit proposed changes to third-party mapping and navigation services; training for states on use of hub
ADAS Driver Training	Delaware	May 2023	Training module to help agencies with education and outreach to drivers about safely operating a vehicle with ADAS features
EV Vendor Contractor Model	Vermont	May 2023	Guidance document outlining best practices for contracting with vendors for DC fast chargers
State Emergency Divisible Load	North Carolina	December 2023	Draft MOU for states
Virtual Incident Respondent Training Module	Georgia	December 2023	Release of new virtual training module with integration into HOGs exchanges and state-specific training sessions

The FY24 Workplan development process identified several potential topics for FY24 SCOOP projects that are consistent with Executive Board priorities. These topics will be further developed and prioritized against available SCOOP funding in early FY24.

Program	Potential SCOOP Project	Executive Priorities
TSMO	<ul style="list-style-type: none"> Deploy and test video-based bicycle and pedestrian counters on a test network Review the state of the art of deploying radar, lidar, video imaging, and other intelligent infrastructure on roadways, intersections, and curbs Develop guidance for how roadside personnel for traveler assistance or emergency response should prepare for and respond to travelers with EV powertrains Develop and test methodology for real-time volume estimates Evaluate applications, limitations, and costs of connected vehicle big data sources Develop guidance on integration of connected vehicle data into travel demand models Conduct scan on potential applications of conversational and other artificial intelligence solutions to DOT operations 	

Program	Potential SCOOP Project	Executive Priorities
Freight	<ul style="list-style-type: none"> ■ Conduct disaggregation of Freight Analysis Framework 5.4 to support states with more granular data for freight planning, grant applications, and investment decisions ■ Develop approach and business case for updating regional freight operations studies ■ Conduct technology and data scan and identify strategies for mitigating bridge strikes, including coordination with mapping companies to share truck specific information that could reduce bridge strikes 	 
Innovation	<ul style="list-style-type: none"> ■ Create resource document on EV data specification aimed at DOTs for inclusion in contracts with EV vendors ■ Develop guidance on future roles and responsibilities of DOTs with EV and alternative fuels (follow up to workshop in FY24 Workplan) ■ Develop guidance and communications messages on role DOTs should play in collecting revenue and other fees on charging infrastructure (follow up to workshop in FY24 Workplan) 	  

5.0 Strategic Communications

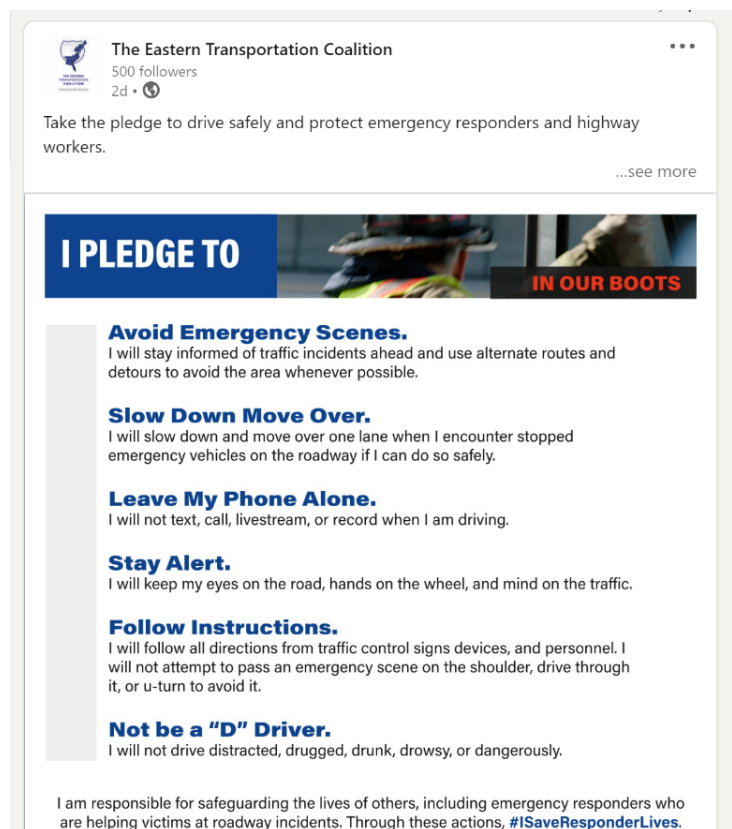
To amplify Coalition work and to create a more cohesive approach to outreach, the FY24 Workplan continues several strategic communications elements. These strategies implement the Coalition's first-ever strategic communications plan, which was created in FY23.

Ongoing communications activities include:

- Regular newsletters with information on the Coalition as a whole, specific programs, or high-visibility projects such as MBUF.
- Periodic news releases on Coalition work/topics that are important and timely for our members and the transportation community.
- Updates to Coalition's website to improve usability and content.
- Expansion of the Coalition's LinkedIn page, which provides a space for members to learn about Coalition activities and engage with other agencies and partners.

Specific communications activities will include:

- Create a "promoting members" section to the Coalition website, with a self-sign-up capability with a list of expertise areas available for review by members and approved partners. The site would be password-protected and updated quarterly.
- Continue to enhance the LinkedIn page to grow the number of followers from each targeted audience, develop a more proactive and consistent messaging plan, and better highlight member-only activities.



Coalition Support

The Coalition gratefully acknowledges the support of our entire staff team. In addition to the program staff highlighted earlier in the Workplan, our staff team are invaluable for supporting Board meetings, Coalition communications, member support, financial management, contract oversight, data use agreements, meeting logistics, travel support, and the many other details that are needed to successfully carry out our Workplan and operations.

PROGRAM MANAGER



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*Connecting
for
Solutions*



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