



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



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Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

Bureau of Turnpikes
October 26, 2017

REQUESTED ACTION

Authorize the Department of Transportation to continue its membership and participation with the I-95 Corridor Coalition, University of Maryland, College Park, MD (Vendor No. 177778 B007) by **Retroactively** paying annual membership dues in the amount of \$35,000.00 for Fiscal Year 2018 to be effective upon Governor and Council approval. 100% Turnpike Funds.

Funding is available as follows:

	<u>FY 2018</u>
04-96-96-961017-70220000	
Turnpike Administration	\$35,000.00
026-500251 Organizational Dues	

EXPLANATION

This is **Retroactive** because the invoice for the Coalition dues was received in late September 2017.

The I-95 Corridor Coalition is a nationally-recognized program of multistate initiatives that add value to individual state programs and benefit long-distance freight movement and passenger travel. In December 2012, the Coalition Executive Board approved updated procedural guidelines which specify two important things: 1) all full members of the Coalition must pay an annual membership fee, and 2) the University of Maryland Center for Advanced Transportation Technology (UMD CATT) is authorized to act on behalf of the Coalition for the majority of its financial and contracting functions.

All funds collected by the UMD CATT for the Coalition will be deposited in an account specifically for Coalition activities. The Coalition and UMD CATT will issue an annual report to the Coalition's Executive Board within 60 days of each Coalition fiscal year. All financial, business and membership records pertaining to New Hampshire DOT's membership in the Coalition shall remain public record and open to inspection.

Membership in the I-95 Corridor Coalition is on a fiscal year basis, July 1 through June 30 and Fiscal Year 2018 fees are budgeted and due on November 30, 2017.

Listed below are answers to standard questions required for Governor and Council organization dues and membership approval submissions:

1. How long has this organization been in existence and how long has this agency been a member of this organization?

The I-95 Corridor Coalition was created in 1993. The Department has been a full member of the Coalition since its inception for the last 25 years.

2. Is there any other organization, which provides the same or similar benefits that your agency belongs to?

There are no other organizations that provide these benefits to the Department specific to the I-95 Corridor.

3. How many other states belong to this organization and is your agency the sole New Hampshire state agency that is a member?

There are 17 states that belong to the Coalition. NHDOT is the only New Hampshire state agency that is a member. The dues paid by NHDOT are the only dues paid by the State to the I-95 Corridor Coalition. The employees from other state agencies that serve on various sub-committees do so as subject matter experts (see Attachment A – Membership Search).

4. How is the dues structure established? (Standard fee for all states, based on population, based on other criteria, etc)

Originally the I-95 Coalition requested financial support from New Hampshire DOT in the amount of \$80,000 per year over an initial three-year term. Subsequently, the I-95 Coalition agreed to reduce the annual dues amount to \$35,000 per year for Fiscal Year 2018 in consideration for the limited mileage (16.2 miles) of I-95 in New Hampshire.

5. What benefit does the state receive from participating in this membership?

The I-95 Corridor Coalition is a nationally-recognized program of multistate initiatives that add value to individual state programs and benefit long-distance freight movement and passenger travel.

New Hampshire has access to the Coalition's centrally managed Vehicle Probe Project (VPP), which provides real-time and archived traffic from INRIX Inc., the leading provider of outsourced traffic data. Coalition members use the VPP to support 511, travel-time on signs, performance measures, and congestion management systems (CMS). Through the VPP, traffic data from surrounding states is also available to New Hampshire, easing the operations and planning issues that span state boundaries.

New Hampshire received Coalition funding to develop a road and weather operational plan that uses forecasting methodology, along with road and weather systems, to improve the activations of maintenance and to optimize maintenance material and operational costs.

Multiple quick clearance workshops, to improve highway incident response efficiency and first responder safety have been held in New Hampshire. Regional conferences cover Winter Operations and Incident Response, Regional Messaging and Storm Management Cooperative Call Tree, Connected Vehicles (self-driving) preparation, Standard Lexicon, MAP-21 interoperability, Toll Violation Enforcement Reciprocity, and other best practices. Participation in upcoming conferences will be useful as the Department develops its communication master planning for Connected Vehicles.

6. Are training or educational/research materials included in the membership? If so, is the cost included? Explain in detail.

As a benefit of the membership, New Hampshire has received scholarships to the operations academy, which was a two-week intensive program on transportation management and operations, and the freight academy, a one-week program.

7. Is the membership required to receive any federal grants or required in order to receive or participate in licensing or certification exams? Explain.

This membership is not required to receive federal grants, participate in licensing or certification of exams.

8. Is there any travel included with this membership fee? Explain in detail any travel including the number of employees involved, the number of trips, destination of known and purposes of membership-supported trips.

There is no travel costs associated with this membership.

9. Which state agency employees are directly involved with this organization? (Indicate if they are members, voting members, committee members, and /or officers of the organization.

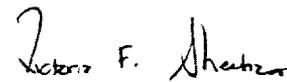
Victoria F. Sheehan, NHDOT Commissioner, is a member of the Coalition Executive Board and is the only voting member. Please find attached a listing of other state agency employees listed on the Coalition's website (see Attachment A – Membership Search).

10. Explain in detail any negative impact to the state if the Agency did not belong to this organization.

Should the Department no longer be a member with the Coalition, the Department will no longer receive timely information regarding the I-95 Corridor, specifically interoperability and traffic data provided by the Vehicle Probe Project, which provides important real-time traveler information for travel along the I-95 Corridor.

It is respectfully requested that this resolution be approved.

Sincerely,



Victoria F. Sheehan
Commissioner

Attachments

Exhibit A: Membership Search (NH State Agency Employees)

I-95 Corridor Coalition

Membership Search: NH State Agency Employees

<http://i95coalition.org/the-coalition-2/member-search/>

As of 10/2/2017

First Name	Last Name	Agency	Committee
Bill	Cass	NHDOT	Steering Committee
John	Corcoran	NHDOT	NE HOGS (NE Highway Operations Group)
Patrick	Herlihy	NHDOT	Intermodal Committee
Felice	Janelle	NH Dept of Environmental Services	NE HOGS
Nicholas	King	NHDOT	NE HOGS
Mark	Kirouac	NHDOT	Intermodal Committee & NE HOGS
Bill	Lambert	NHDOT	Intermodal Committee & NE HOGS
Tricia L.	Lambert	NHDOT	Intermodal Committee
Marie	Mullen	NHDOT	Steering Committee
Susan	Page	NHDOT	NE HOGS
Lt. David	Parenteau	NH State Police	NE HOGS
Richard	Radwanski	NHDOT	NE HOGS
Victoria	Sheehan	NHDOT	Executive Board
Sgt. Christopher	Wagner	NH State Police	NE HOGS



I-95 Corridor Coalition

INVOICE

#NHDOT-FY18

September 29, 2017

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

7 HAZEN DRIVE

CONCORD, NEW HAMPSHIRE 03302-0483

I-95 CORRIDOR COALITION
ANNUAL MEMBERSHIP DUES.....\$35,000 per year

Covering:
Fiscal year July 1, 2017 through June 30, 2018

TOTAL DUE.....\$35,000
Due Date: November 30, 2017

Payable to: University of Maryland

Remit to: Center for Advanced Transportation Technology
5000 College Avenue, Suite 2213
Technology Ventures Building
University of Maryland
College Park, MD 20742
Attn: Sheri S. Johnson

I certify that the above invoice is just and correct:

Thomas Jacobs, Director
Center for Advanced Transportation Technology



**I-95 Corridor
Coalition**

September 29, 2017

Victoria Sheehan, Commissioner
New Hampshire Department of Transportation
7 Hazen Drive
Concord, NH 03302

Reference: I-95 Corridor Coalition FY 18 Membership Invoice

Dear Commissioner Sheehan:

In partnership with the New Hampshire Department of Transportation, the I-95 Corridor Coalition accelerates improvements in freight and passenger movement, explores infrastructure financing alternatives, helps prepare our members for the technology tsunami that is affecting our industry, and develops workforce skills and knowledge. The I-95 Corridor Coalition is a national model for creating a forum to connect with peers to enhance internal business systems, share best practices and lessons learned - resulting in time and resource savings. It is through the involvement of and leadership by the State DOTs that the Coalition has added value to individual programs and to the region's transportation system.

New Hampshire DOT's annual membership dues allows for the continuation and enhancement of the Coalition's partnership among 16 State DOTs and the District DOT and affiliated transportation entities along the east coast. For the upcoming fiscal year, the requested financial support from the State of New Hampshire is \$35,000 (see attached invoice). The membership dues are tiered across the states based on SPR funds received making New Hampshire's dues one of the lowest membership amounts in the Coalition. Also attached, for reference, is an overview of recent I-95 Corridor Coalition activities and the Board approved work plan for FY18 (July 1, 2017 – June 30, 2018).

New Hampshire DOT has been a member of the Coalition for 25 years and through a high level of participation, has greatly benefited from the Coalition's programmatic activities including:

- Data Availability and Use – Significant cost savings, negotiated by the Coalition, are available to New Hampshire DOT for the purchase of vehicle probe data. The lower costs provided through the Coalition's marketplace have an estimated \$40K / year savings for NH. Additionally, the Coalition conducts user group webinars to expand the usefulness of data purchases by sharing best practices. These user groups have been well attended by NHDOT staff including: Susan Klasen, Kody McCarthy, Nicholas King and Steve Lemire.
- Toll Violation Enforcement Reciprocity – The Coalition has formed a working group that brings together tolling, DOT and DMV representatives from across the I-95 Corridor to advance reciprocity agreements for the collection of fees from out-of-state toll violators. John Corcoran, Administrator Bureau of Turnpikes, is a member of this working group, and is bringing a well-



respected tolling voice to the discussion. The recommendation from the April 5th working group kick-off was for the Coalition to gather basic toll violation enforcement process information from east coast agencies, identify where processes are compatible / divergent and share implementable tips between agencies. In addition, the Coalition will work with AAMVA to develop standardized DMV procedures for the expeditious release of vehicle registration holds caused by out-of-state toll violations.

- Standardized Lexicon Project: The NHDOT submitted a project request that the Coalition funded to establish common definitions for Road Conditions (for Traveler Information); Incident Timeline with a focus on clearance (TIM) and ITS device uptime and reliability (ITS Maintenance). Denise Markow lead this effort in partnership with Vermont and Maine and is continuing to coordinate with staff in the three states to finalize the deliverables. NHDOT has already begun using the definitions in its systems resulting in a more consistent approach and coordinated appearance to the traveler.
- Every Day Counts (EDC4) Using Data to Improve Traffic Incident Management. The Coalition supported a workshop in New Hampshire on 5/9/2017 to help the DOT define their implementation plans and next steps to increase the amount, consistency and quality of TIM data collection needed to develop performance measure that evaluate and improve traffic incident response. The Coalition will continue to assist NHDOT in the execution of their EDC4 implementation plans, hold a peer exchange to share lessons learned and further promote innovation in the use of TIM performance measures.
- NE Highway Operations Group (NE HOGs) – The Coalition held a NE HOGs meeting in September 2016 to discuss the FHWA Traffic Incident Management Performance Measures, gain a better understanding of how New England states are using WAZE. Mark Kirouac, Assistant Administrator, Bureau of Highway Maintenance, and Nicholas H. King, Operations Supervisor, NHDOT-TSMO Transportation Management Center, were in attendance, along with Susan Klasen, Kody McCarthy, Dana Lacasse, and Steve Lemire of NHDOT.
- Freight Planning – To identify cost-saving approaches, innovative strategies for meeting federal requirements, and key lessons learned, the Coalition is gathering information from member agencies regarding the development of FAST Act compliant State Freight Plans and usage/needs for freight data. Patrick Herlihy, Tricia Lambert and William Rose participated in this effort and the Coalition is finalizing a summary of the useful insights from across the corridor (e.g., what criteria has been used to identify bottleneck and prioritize investments). NHDOT will benefit from the gathered insights given the decision to submit a freight plan in summer 2018.
- Workforce Development – New Hampshire staff have received numerous Coalition scholarships to participate in nationally recognized immersion programs, including:



**I-95 Corridor
Coalition**

- Freight Academy – Tricia Lambert (2012) and Patrick Herlihy (2014). As a highly acclaimed program, we hope NHDOT take advantage of this membership benefit and applies for a scholarship in the near future.
- 2017 Operations Academy –Kody McCarthy (NHDOT has received 8 Operations Academy scholarships in total)

We look forward to continuing this important and valuable work with the New Hampshire DOT as a member of the I-95 Corridor Coalition. If you have any questions, please contact me at 301-405-3328 or phendren@i95coalition.org.

Sincerely,

A handwritten signature in black ink, appearing to read "Patricia G. Hendren".

Patricia G. Hendren, Ph.D.
Executive Director
I-95 Corridor Coalition

Cc: Chris Waszczuk, NHDOT

Attachments:

- I-95 Corridor Coalition Overview
- I-95 Corridor Coalition FY 18 Work Plan (Board Approved)
- I-95 Corridor Coalition Invoice



I-95 Corridor Coalition

Overview for New Hampshire DOT

JULY 2017

The I-95 Corridor Coalition is:

A partnership of State Departments of Transportation and related authorities and organizations, in the full 16-state region from Maine to Florida, working together to accelerate improvements in freight and passenger movement. This collaborative organization, founded in 1993, brings together over 100 transportation agencies representing multiple jurisdictions, modes, disciplines, and programs up and down the east coast.



I-95 Corridor Coalition Members

- 16 State DOTs and DDOT (full members - voting)
- Toll, Transit, Rail, and Port Authorities
- Motor Vehicle Agencies
- State Police/Local Law Enforcement Agencies
- U.S. Department of Transportation
- Metropolitan Planning Organizations
- Transportation Industry Associations
- Canadian Affiliates (Quebec/New Brunswick)

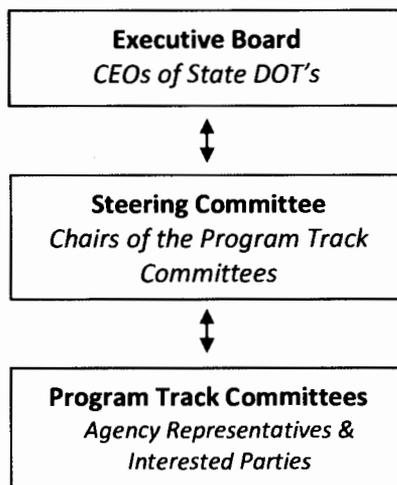
I-95 Corridor Coalition System:

- 1,917 Miles of I-95
- 40,000 National Highway System Miles
- 22,000 miles of Class I rail mileage
- 46 major seaports and 103 commercial airports

I-95 Corridor Coalition Economy:

- \$4.5 trillion economy (40% of US GDP)
- 5.3 billion tons of freight shipments annually
- 21% of nation's road miles (35% of VMT)

Organizational Structure



Program Track Committees, and their Focus Areas

Travel Information Services

- Multi-state, multi-agency real-time data feeds
- Archived data analytics, visualization, and performance management tools
- Corridor-wide exchange of best practices and operational topics

Coordinated Incident Management & Safety

- Regional highway operations group
- Traffic incident management first responder training
- Operations Academy (*Scholarships granted to NHDOT*)
- Significant event (conference, webinars and information sharing tools)

Intermodal Freight & Passenger Movement

- Multi-state freight planning, freight data and freight performance analysis
- Commercial Vehicle Operations: Truck parking & CVO Travel Info Portal
- Freight Academy (*Scholarships granted to NHDOT*)
- Toll interoperability and violation enforcement reciprocity

Benefits of I-95 Corridor Coalition Membership

New Hampshire DOT is an original member and an important stakeholder of the I-95 Corridor Coalition and represents a vital link in the I-95 corridor. The Coalition, through its diverse membership, provides New Hampshire DOT with the opportunity to leverage resources through multi-state/agency operations coordination, planning, and data sharing. The Coalition strives to keep its members at the forefront of industry innovation through participation in transformative technology pilots/research, adoption of best practices sharing, and unique professional development opportunities. Examples of Coalition work that benefits New Hampshire and brings a lasting effect on the transportation industry include:



Coordinated Incident Management and Traveler Information

To positively affect the safety and efficiency of member roads and responders, the Coalition has successfully brought together and coordinated incident response among multiple jurisdictions and disciplines. This core work of the Coalition has resulted in training programs, common message sets, planning and operations for significant weather response and more. In addition, the Coalition has supported the development of a highly useful tool that advances traveler information services and supports agency use of real time and historic traffic data (aka "big data") through collaborative initiatives such as the Vehicle Probe Project and the Data Analytics User Group.



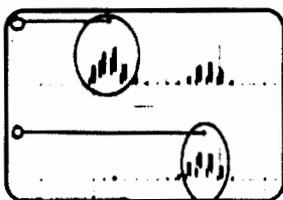
Freight Supply Chain Performance and Truck Parking

In 2016, the Coalition, in conjunction with FHWA, demonstrated the feasibility of measuring supply chain performance across multiple jurisdictions and modes. Building on this work, the Coalition has received additional funding to initiate a national freight fluidity monitoring program to support State and Regional implementation of fluidity measurement. The Coalition's member states also benefit from the Coalition's Truck Parking demonstration, to share real-time truck parking availability information.



Connected and Automated Vehicles

The Coalition's conference, "Connected & Automated Vehicles (CAV): What States Need to Know" (June 2016) was designed to advance our region's ability to understand, plan for and manage CAV deployment. Moving forward, the Coalition will serve as a resource for information sharing - bringing together knowledge learned from private and public sector programs, and assisting agencies in determining next steps and organizational and infrastructure requirements.



MAP-21/FAST Act Performance Management Implementation

The Coalition is providing subject matter expertise to members to assist with performance management implementation and big-data analytics. In addition, the Coalition-supported Regional Integrated Transportation Information System (RITIS) offers a new feature that makes it quick and easy to respond to the latest MAP-21 NPRM, final FAST Act systems reporting requirements, address inaccurate comparisons, and aid in target setting. Facing pending MAP-21/FAST Act performance management requirements, the Coalition will continue to create a forum for members to enhance staff knowledge—saving agencies time and resources.



Tolling Violation Enforcement Reciprocity

The Coalition has established a multi-state neutral forum to develop/accelerate the enforcement of reciprocity agreements to increase the remittance of toll violations (fees and administrative penalties) from non-home state users. The working group will bring together the perspectives from State DOTs, toll authorities and motor vehicle administrations to share best practices, lessons learned from those states pursuing reciprocal agreements, approaches to educating decision-makers, legislative processes and strategies to overcome barriers to success.



Alternative Transportation System Funding

A sustainable source of funding for surface transportation is a critical issue that impacts all transportation providers. To address this need, the Coalition received a grant award under the Surface Transportation System Funding Alternative (STSFA) program in Section 6020 of the FAST Act. Through this grant award, we will explore the feasibility of mileage-based user fees across multiple states. Activities will include approaches for estimating out-of-state travel, coordination with toll facilities, clarifying the role of DMVs, evaluating variable per-mile rates, minimizing administrative costs, protecting privacy, and conducting focused pilots in several states.



**I-95 CORRIDOR COALITION FISCAL YEAR 18 BUDGET AND WORK PLAN
JULY 2017 – JUNE 2018**

APPROVED BY THE EXECUTIVE BOARD (6/28/2017)

	FY 17¹ Jul 2016 - Jun 2017	FY 18 - Proposed Jul 2017 – Jun 2018
Revenue & Funding		
State Membership Dues	\$1,300,000	\$1,300,000
New Grants / Funding		
• Freight Fluidity (\$840,000 TOTAL)	210,000	420,000
• STSFA Round 1 (\$1,160,000 TOTAL)		770,000
• STSFA Round 2 (TBD)		TBD
• EDC 4 (\$50,000 TOTAL)		50,000
• Freight Academy (\$130,000 TOTAL)	130,000	N/A
MCOM II Grants (\$3,560,000 TOTAL)	615,000	695,000
Truck Parking via SAFETEA-LU (\$1,400,000 TOTAL)	400,000	800,000
Total Revenue & Funding	\$2,655,000	\$4,035,000
Expenses		
Operating Costs ²	\$882,000	\$882,000
Website Update/Marketing Materials	18,000	35,000
Strategic Planning/Branding		90,000
Member & Committee Support:		
• Innovative Transportation Technologies	20,000	40,000
• Intermodal Freight Movement	36,000	65,000
• TSMO (Travel Info Svcs & Coord Inc Mgmt)	258,000	200,000
Operations Academy Scholarships	72,000	72,000
Annual Conference (Topic TBD)		100,000
New Grants		
• Freight Fluidity	179,000 ³	365,000 ³
• STSFA Round 1		726,000 ³
• STSFA Round 2		TBD
• EDC 4		25,000 ³
• Freight Academy	200,000	N/A
MCOM II Grants		
• Work Zone Monitoring Tool (\$280,000 TOTAL)	200,000	80,000
• Volume & Turning Movement (\$500,000 TOTAL)	285,000 ³	200,000
• Closing the Data Gaps (\$200,000 TOTAL)		175,000 ³
• Regional Highway Operations (\$215,000 TOTAL)	105,000	100,000
• Optimal Traffic Monitoring (\$65,000 TOTAL)		65,000
• CADD Integration (\$50,000 TOTAL)		50,000
Truck Parking	400,000	760,000 ³
Total Expenses & Reserve	\$2,655,000	\$4,035,000

¹ FY17 revised to reflect July 2016 – June 2017 timeframe and to clarify revenue source.

² Operating Costs: staff salaries & fringe benefits, equipment, communications, staff & member travel, operations, UMD administrative fee.

³ Coalition operating expenses covered by the project have been removed.



I-95 CORRIDOR COALITION PROPOSED ACTIVITIES (FISCAL YEAR 18 PROGRAM YEAR)

INNOVATIVE TRANSPORTATION TECHNOLOGY (\$40,000)

- **Tolling Violation Enforcement Reciprocity.** Continue to develop/accelerate reciprocity agreements for increased enforcement of toll violations by violators from foreign jurisdictions who have not remitted the tolls and administrative penalty fees issued by home state toll agencies. Activities will include gathering information on the current practices, sharing of lessons learned from those states which have implemented reciprocal agreements, tips on educating decision-makers on this issue and strategies to overcome barriers to success.
- **Connected and Automated Vehicles—Member Support and Peer-to-Peer Exchange.** Convene a working group to identify initiatives and activities based on the recommendations from the I-95 Connected and Automated Vehicles Conference: What States Needs to Know and input from members (e.g., request for I-95 to convene neighboring states to share CAV policies and/or explore truck platooning from a “interoperable corridor” perspective to identify issues that are unique to this corridor—such as congestion, infrastructure design issues and capacity limitations).
- **Annual Conference.** (\$100,000 additional) A major benefit of the Coalition is the opportunity it provides to members to develop relationships with peers in neighboring jurisdictions and to discuss common challenges and advancements. An annual meeting will bring together public agency representatives to discuss timely topics (selected by the Executive Board during the September 27th Strategic Planning session) to further educate and prepare the workforce.

INTERMODAL FREIGHT MOVEMENT (\$65,000)

- **Agency Member Support and Peer-to-Peer Exchange.** Support the Intermodal Freight Committee member agencies through multistate information exchange by coordinating meetings/webcasts sharing innovation and best practices, and leveraging agency programs through multistate information exchange and project development. Continue to serve as a resource to member states on freight-related planning, programmatic and operational activities. The Coalition provides agencies with a forum for learning how to enhance freight mobility and make a stronger case for freight investments.
- **Truck Parking Symposium.** As opportunities to advance real time systems and /or capacity expansion may arise through federal grants and/or state investment activities within freight plans to address truck parking needs, this forum will support a peer gathering/exchange to assist states in understanding the opportunities and considerations in such processes including Public/Private Partnerships and potential changes to regulations for commercial activity in rest areas (i.e. share experiences with procurement, site selection considerations, program cost (including deployment and continued O&M, data ownership etc.). Share key insights from the I-95 Coalition truck parking project and best practices from other truck parking strategies being examined and/or implemented by agencies.
- **Freight Plan and Data Assistance.** Summarize and share issues/challenges/experiences across members on the completed FAST ACT compliant state freight plans (e.g., (e.g., how are agencies using Freight Advisory committees, coordinating with local/region entities, examining major projects across state boundaries/freight corridors, identifying areas for collaboration on regional/corridor basis). Identify opportunities to improve the accessibility, usability and cost of freight data.

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS (TSMO) (\$200,000)

- **Travel Information Services Program Support and Peer-to-Peer Exchange.** This program works to connect states along the corridor and keep partners informed and aware of how Traveler Information is being disseminated within the respective states. Two bi-annual web/in person meetings are held for those involved in the Traveler Information System (TIS) Program Track. Upcoming meetings will focus on new technologies, such as WAZE and other Crowdsourcing technologies. In addition, a standard lexicon for three specific ATM inputs (road weather conditions, incident management timeline elements and ITS device uptime/reliability) and a capacity building information exchange for gathering and sharing transit information (General Transit Feed Specification) will be completed.
- **Regional Highway Operations Group (HOGs) Forum** (see MCOM Grants)
- **Operations Academy.** The Coalition is providing 12 scholarships (~\$6K each) for Coalition member agency representatives to attend the October 2017 Operations Academy Senior Management Program. The program is intended for mid to high level managers whose current or future responsibilities include TSM&O. It consists of classroom instruction, team workshops to practice and internalize the material presented, analysis of existing systems through field studies and presentations by nationally recognized guest speakers. The training obtained during the Ops Academy is one way to address the growing demand for personnel with the skill set needed to address TSM&O activities within their agency.
- **Probe Data Analytics Suite (PDA)/RITIS User Groups Webcasts.** The Coalition brings together “Probe Data Analytics User Group” and “Regional Integrated Transportation Information System User Group” to disseminate agency knowledge on coordinating incident response, regional operations, performance management, evacuation coordination, data sharing, significant events, and more. Together highly sophisticated users of probe data to share ideas, spotlight real-world users and help identify and priorities new analytical needs.

NEW GRANTS⁴

- **Surface Transportation System Financing Alternatives** (ROUND 1 - \$1,160,000; FY18 \$770,000)
 - **Round 1** – The Coalition was awarded \$1.16M to explore the feasibility of replacing the gas tax with a mileage-based user fee program in a multistate environment. The project will include pre-deployment activities to begin addressing the challenges associated with a user-based approach (e.g., privacy concerns, equity questions, and administration costs), develop education and outreach material and conduct a focused pilot in DE and PA (50 vehicles per state for 3 months). By conducting this research through the Coalition, all states will benefit from lessons learned – yet no state will need to approach this challenging topic alone.
 - **Round 2** (\$ TBD) – The Coalition’s application for an additional \$1.95M was submitted on June 12, 2017. If awarded Round 2 funds, the three core project activities will include: extended pilots (for light-duty vehicles) in DE and PA, a multi-state truck pilot, and enhanced education and outreach activities to gain a better understanding of east coast drivers and their respective views and concerns.
- **Freight Supply Chain Performance (Phase II).** (TOTAL - \$840,000; FY18 \$420,000) The objective of this FHWA-funded project is to (1) initiate implementation of a national freight fluidity monitoring program and (2) support State and Regional implementation of fluidity measurement. Given the importance of freight movement in the Corridor, this project provides members with the opportunity to weigh in first-hand on FHWA's efforts to advance a national freight performance monitoring program.
- **Everyday Counts TIM PM.** (TOTAL - \$50,000, FY18 \$50,000) The objective of this FHWA-funded project is to work with member states to address the goals of the EDC4 Initiative “Using Data to Improve Traffic Incident Management” to increase the amount, consistency and quality of TIM data collection, to support the

⁴ “NEW” refers to grants received in FY17.

development of performance measures to evaluate and improve traffic incident response. The Coalition is collaborating with FHWA to provide support to Coalition members for the execution of their EDC4 implementation plans, hold a peer exchange to share lessons learned and further promote innovation in the use of TIM performance measures.

MCOM II GRANTS⁵

- **Work Zone Monitoring Tool.** (TOTAL - \$280,000; FY18 \$80,000) Many agencies in the Coalition have recognized the need for better monitoring of work zone performance—to ensure the highest level of safety and to maximize the efficiency of construction and maintenance while balancing the needs for traffic management. This project will deploy a performance monitoring tool to coalition members with work zone data.
- **Volume and Turning Movement Project.** (TOTAL - \$500,000; FY18 \$200,000) The Coalition is conducting research to accelerate the time line in which volume and turning movement data from probe sources may effectively be offered to members to information needs for operations, performance measurement, and planning applications, and that Coalition members understand the fidelity, potential and limitations of such data.
- **Closing the Real-Time Data Gaps.** (TOTAL - \$200,000; FY18 \$175,000) Maintaining a high level of situational awareness 24/7 on all roads, all modes, across agencies and across borders is extremely complex. Many agencies are working with partners in both the public and private sector to try to increase situational awareness through data sharing or data procuring initiatives (e.g., WAZE). This project will tackle policy challenges, procurement issues, fusion methodologies, data quality, analysis, and other technical issues related to obtaining better situational awareness through crowd-sourced data.
- **Regional Highway Operations Group (HOGs) Forum.** (TOTAL - \$215,000; FY18 \$100,000) The I-95 Corridor is organized into five regional areas (New England, Tri-State, Delaware Valley, Potomac and Southern) who meet annually to discuss challenges and identify operational strategies that extend within a state, across jurisdictional boundaries and often across state lines. HOGs are unique in that they bring together policy, planning and management personnel with the ‘rubber-meets-the-road’ incident and operations folks including first responders, TMC Operators and other Traffic and Maintenance personnel.
- **Optimal Traffic Monitoring.** (TOTAL - \$65,000; FY18 \$65,000) With the growing use of outsourced probe data, development of new data collection technologies and services, and prevalence of legacy sensor investments, many agencies are re-examining how best to architect their traffic monitoring and management systems. This project would provide guidance to Coalition members in architecting and planning data acquisitions to meet the growing traffic data needs of operations and planning.
- **Computer Aided Dispatch Data Integration Guidelines.** (TOTAL - \$50,000; FY18 \$50,000) All traffic management centers view Computer Aided Dispatch Data (CADD) from first responders as the “holy grail” of incident notification. However, only a handful of TMCs have been able to successfully make CADD available for traffic management and then are overwhelmed by the sheer volume or manner in which CSS data is provided. The project is intended to provide guidance to members who are struggling with CADD integration.

TRUCK PARKING

- **Truck Parking Initiative.** (TOTAL - \$1,400,000; FY18 \$760,000) The I-95CC pioneered the exploration of a sustainable truck parking system that would disseminate real-time availability information across state lines. As member agencies embark on a significant truck parking initiative, the Coalition provides a platform to receive feedback from other agencies thus enhancing member’s staff’s understanding of this challenging issue. As this project comes to a close in FY2018, the lessons learned will be transferred to member agencies.

⁵ I-95 Corridor Coalition received \$3,560,000 in MCOM grants in 2013. The projects listed are the remaining projects to be completed.