

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Wisconsin Department of Transportation

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # <i>(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> MAFC II TPF-5 (293)		Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 30) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: Mid-America Freight Coalition Pooled Fund II – Member Services 2017-2018			
Name of Project Manager(s): Ernie Perry		Phone Number: 608 890 2310	E-Mail ebperry@wisc.edu
Lead Agency Project ID: TPF-5(293)		Other Project ID (i.e., contract #): TRA 3475291	Project Start Date: 7/1/2017
Original Project End Date: 12/31/2018		Current Project End Date: 12/31/2018	Number of Extensions: 0

Project schedule status:

On schedule On revised schedule Ahead of schedule Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$125,000 as of July 1, 2017	\$86,339	85%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$7,976/6%	\$7,976; NOTE: after the 2Q2018 QPR was posted, the researcher sent a credit back to WisDOT for this project; hence why the "Total Cost to Date for Project" from the 2Q2018 plus the "Total Amount of Funds Expended This Quarter" do not equal the "Total Cost to Date for Project" listed on this 3Q2018 QPR	84%

Project Description:

History: The Mississippi Valley Freight Coalition was renamed the Mid-America Freight Coalition in 2010.

The goal of this pooled fund is to improve the efficiency of freight movements in the region through inter-jurisdictional cooperation. Through the Mid-America Freight Coalition, the MAASTO states will work cooperatively in the planning, operation, preservation, and improvement of the freight transportation system infrastructure and engage the public and private sectors in the processes for improving the efficiency of these freight transportation systems.

This Member Service contract entails the services provided to Members of the Coalition, which includes coordinating and funding an annual meeting and communication efforts including Web site and newsletter production and teleconferences/webinars. This contract also provides the administrative support for all MAFC projects.

All MAFC projects currently under contract through this pooled fund include:

Modal Investment Comparison report (complete)

MAFC Development of Midwest Platooning Regulatory Model (complete)

TPF-5(293) Member Services 2017-2018 (in progress)

Identification and Characterization of the MAASTO Region's Multimodal Freight Network (in progress)

Identification of Urban Truck Parking Locations in the MAASTO Region (in progress)

Quantifying the Value of Multimodal Freight Investments (in progress)

Assessment of Multimodal (Marine and Highway) Bottlenecks in the MAASTO Region (in progress)

NOTE: Three additional studies are in the process of being contracted.

The MAASTO Executive Board unanimously approved an additional three-year extension for MAFC at the August 2015 MAASTO meeting in Kansas City, Missouri, to December 31, 2018. This was reaffirmed at the 2017 summer MAASTO meeting when the states agreed to begin a new pooled fund in January 2019 and spend remaining Coalition funds on freight research issues.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

An overall project summary table is provided below.

Project	Start Date	End Date	Comments
MAFC/MAASTO Research Plan	1/2017	7/27/2017	Plan approved; some studies complete, 8 of 8 remaining projects contracted or in process of being contracted.
Modal Investment Comparison	8/1/2015	10/30/2017	Complete, see: http://midamericafreight.org/wp-content/uploads/MAFC16_ModallInvestmentComparison_FinalReport.pdf 100% of the contract amount has been paid for this study.
Identification and Characterization of the MAASTO Region's Multimodal Freight Network	7/1/2017	5/31/2018; 1 st extension to 8/3/2018; 2 nd extension to 10/17/2018	Draft report complete and is being reviewed by WisDOT. Two invoices, totaling \$70k (about 87.5% of contract's total amount) have been paid for this study. Two additional invoices have been submitted by UW-Madison, totaling the remaining \$10k of the contract; these invoices will be paid upon completion of the study.

MAFC Development of Midwest Platooning Regulatory Model	9/1/2017	2/28/2018; extension to 6/15/2018	<p>Complete, see: http://midamericafreight.org/index.php/2018/09/06/developing-a-regional-regulatory-approach-to-truck-platooning-in-the-maasto-region-2/</p> <p>One invoice, for \$50,000, was submitted and paid; this is 100% of the contract amount for this study.</p> <p>Over 900 views of this report on LinkedIn.</p>
Identification of Urban Truck Parking Locations in the MAASTO Region	1/1/2018	1/31/2019	<p>As states respond to requested information on locations of interest and contacts regarding urban parking areas, follow up calls are made to MPOs and others to determine who may have useable land use, ownership and GIS road network data. Data collection includes 9 of 10 states. With information from 9 states, this places the project at 70% complete.</p> <p>Additionally, the GIS screening approach is being reviewed to ensure the best representation of viable vacant land for parking. Analysis of parcel data is underway.</p> <p>Completing GIS review of parcel data.</p> <p>Two invoices for this study, totaling \$78k (about 78% of the contract's total amount) have been paid for this study.</p>
Quantifying the Value of Multimodal Freight Investments	4/1/2018	1/31/2019	<p>A review of economic models used across the modes has been completed and subjective factor are now being considered. States have been asked to send a summary of their analysis approaches. This project is 90% complete.</p> <p>Three invoices for this study, totaling \$48,000, are in the process of being paid as of 10/26/18.</p>
Assessment of Multimodal (Marine and Highway) Bottlenecks in the MAASTO Region	6/1/2018	1/31/2019	<p>40% complete. Currently MAFC is comparing state generated bottlenecks with truck probe data to confirm our results. We are also developing a method to aggregate state level bottleneck to multistate corridor bottleneck to examine the total delay across the region.</p> <p>One invoice for this study, for \$13,000, is in the process of being paid as of 10/26/2018.</p>

Additional activities in support of the coalition by Dr. Perry include the following:

08/27/2018 – 08/29/2018 – MAFC partnered with MAASTO meeting in Traverse City, Mi for the MAFC annual meeting with the support of MiDOT. The meeting was a success and offered freight sessions in every breakout session during the conference. Thirty-one attendees from the states and MAFC participated in the conference. The meeting included state-state reporting on freight activities and innovation. See the MAFC page for photos and presentations: <http://midamericafreight.org/index.php/2018/09/06/materials-from-2018-annual-meeting-available-for-download/>

On October 2nd, Dr. Perry coordinated a MAFC teleconference. The items for discussion were: recap the recent annual meeting, talk about future locations and begin defining a new research agenda for 2019-2021. The annual meeting was deemed a success, future locations for meetings included discussions of Indianapolis with MAASTO, Port of Dubuque, Council of Supply Chain Management Professionals' annual meeting (registration is costly). St Louis in coordination with its freight week, and the Ohio Conference on Freight.

Table 1. Additional Projects for MAFC Research agenda 2017-2018		
Project Title	Projected Duration	Cost
*Truck Parking Information Management System (TPIMS) Performance Metrics and Data Warehouse Preparation	3 months. Equipment purchased and ready for testing and burn in phase.	\$23,750
*Freight Data Inventory and Training	8 months	\$80,000
*MAASTO Regional Truck Parking Inventory: Over Size and Overweight Vehicle (OSOW) Support for MAASTO Standing Committee on Highway Transport and Motor Carrier Committee	3 months	\$30,000
*Projects are in contracting process		

Anticipated work next quarter:

We will continue work on the prioritized research agenda for the coalition. Remaining projects will be contracted and completed

Data identification and collection will continue for the TPIMS performance evaluation.

Test links and burn -in data will be addressed first in the GIS analysis and database integration for corridor projects.

Will began work with WisDOT on continuing the MAFC TPF.

Significant Results:

Continued to work with TPIMS group to prepare for implementation of the TPIMS.

Participate in monthly MAASTO Planning committee meetings to keep committee informed of work.

Participate in monthly MAASTO Motor Carrier committee calls to support upcoming OSOW project.

Also attending SCOHT teleconference as part of OSOW support project in the research agenda.

TRB paper submitted for presentation and publication based on work with the characterization of MAASTO freight network.

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the Agreement, along with recommended solutions to those problems).

N/A

Potential Implementation

Work with TPIMS continues and as states go on line with the parking information systems, the performance measures and data warehouse will be prepared. The characterization of MM corridors and bottlenecks can be seen as a step towards prioritization of regional corridors

Work with Platooning working group has resulted in a “leave behind” fact brochure on truck platooning that will be shared with stakeholders and decision makers. A more exhaustive full literature review/report of truck platooning is now completed (see above).

Distributed copies of the brochure to the MAASTO AV and Truck Platooning Working group. Distributed to MAFC technical representatives.

Importantly, all of the projects will be based on collaboration with the 10 MAASTO states. For the OSOW and Platooning studies, DOT will be coordinated with the Motor Carriers and SCOHT groups and the MAASTO Platooning working group.