TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): FHWA

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.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(369)	**Transportation Pooled Fund Program - Report Period:** ☐ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☑ Quarter 3 (July 1 – September 30) ☐ Quarter 4 (October 1 – December 31)	
Project Title: Collaborative Development of New Strategic Planning Models		
Name of Project Manager(s): Jeremy Raw	**Phone Number:** 202-366-0986	**E-Mail** jeremy.raw@dot.gov
Lead Agency Project ID: BPAC 060TPF5369	**Other Project ID (i.e., contract #):** N/A	**Project Start Date:** 6/16/2017
Original Project End Date: 6/19/2020	**Current Project End Date:** 6/19/2020	**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
$755,000	$282,604	47%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$50,481 (7%)	$50,481	76%

Project Description:

The "Collaborative Development of New Strategic Planning Models" pooled fund will make strategic tools affordably available to members. The pooled fund will support efficient investment in new and upgraded tools, ensuring that public funds are not spent on projects with overlapping goals and products and ensuring that innovations can be efficiently built on the basis of existing working tools.

The pooled fund will allow participating agencies to have access to:

• Working models that can assess new challenges such as shared mobility or automated vehicles;
• Tools to set up and run these models very rapidly for a large number of policy and scenario combinations;
• Web-based interactive visualization tools to display results;
• Cost-effective technical support for the implementation, customization and application of these tools to each agency's needs; and
• Credible, maintained, documented tools adhering to clear standards and development guidelines, with thorough quality control.
• A community of active users and developers, which will reduce the likelihood that models will become obsolete, fall under the control of a single developer, or be abandoned by their developer while there is still interest in using them.

Additional details on the pooled fund may be found in the Technical Advisory Committee Charter Document, posted separately on the pooled fund project page.

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

Completed technology transfer with a code walkthrough with the AASHTO SHRP 2 contractor to get clarification of difficult parts in the code base
Developed and delivered workshops for users and for developers at the NITC/Portland State Transportation Summit, 9/20/2019
Assisted TAC members in trying out VisionEval setup, and obtain further feedback on model and component improvement.
Completed use cases and development plan for TAC development priorities.
Refined documentation for installing, setting up and using the models (VERPAT and VERSPM)
Incorporated new Multi-Modal Travel model developed by Liming Wang at Portland State University into a new RSPM version (this work was mostly completed and will be completed in 2019 Q4).
Initiated email list for VisionEval users to discuss the system and seek technical support.
Added simplified data export functionality for working on model results with external tools.
Updated Public release made 9/10/2019

Anticipated work next quarter:

Complete and test Multimodal Module integration.
Complete introductory user documentation.
Develop workshop and case study materials to support a TRB workshop in January 2020
Continue to work with pooled fund members on pilot implementations (bug fixes, technical support, documentation impovements)

Significant Results:

Bug fixes continue to be made, and new functionality was added to facilitate exporting model results to other platforms.
An updated release was issued 9/10
VisionEval was presented at a workshop at the NITC/Portland State Transportation Summit, 9/20
A half-day public workshop has been accepted for the 2020 TRB Annual Meeting. A hands-on case study will be developed to support the workshop.

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).

Work is proceeding as planned. The lead agency was unable to exercise the next option on the CS/WSP contract prior to the FY2019/2020 procurement cutover. The task order period of performance was extended to December 15, and the option will be exercised as soon as possible after FY2020 begins on October 1. A lapse in contract work is likely.

Potential Implementation:

The lead agency has acquired "Agile" software and documentation development through a task order under an existing IDIQ contract available through the Lead Agency (FHWA). The award was issued in 2018 Q3, and the first option exercised in 2018Q4. An additional separate award is still under considerationto focus on documentation and training materials, and possibly to support an in-person wrap-up peer exchange among the pooled fund participants.