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 Plannign 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	$129,783	17%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$0, 0%	$0, 0%	51%

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.):

Pooled Fund TAC meeting, November 26, 2018, to discuss status and development priorities with the pooled fund contractor.

"Code Complete" status was reached for the AASHTO project on December 21, 2018, allowing the pooled fund to begin to take ownership of the code base and documentation.

Project team completed development of end-user installation tools so users can try out the VisionEval system. Release will take place in 2019Q1 (the release has occurred on 1/8/2019, but is not part of the current official reporting period).

Project team developed initial use cases for the system, and identified initial project requirements.

Contractor completed initial development of documentation for the Regional Strategic Planning Model (RSPM).

Anticipated work next quarter:

First formal release of VisionEval will take place through http://visioneval.org, 1/8/2019.
TAC meeting to introduce and demonstrate the software installation process, 1/31/2019.
Complete transition of code base and documentation to the pooled fund from the AASHTO contract.
Receive input from users regarding their experiences installing and using VisionEval, and work with users to better understand their needs in relation to VisionEval
Complete documentation for installing, setting up and using the models (VERPAT and VERSPM)
Identify and prioritize further development tasks for code and documentation
Complete incorporation of new Multi-Modal Travel model developed by Liming Wang at Portland State University.
Evaluate and possibly exercise the next contractor option (due date 3/16/2019)

Significant Results:

The contractor is developing use cases and detailed requirements for the next development steps, based on investigation of the code base and existing documentation resources, as well as consultation with the TAC. The transfer of the code base from the AASHTO SHRP 2 deployment contract has been initiated. An end-user installer has been created, with public release in early January 2019.

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. DVRPD (Philadelphia MPO) and SANDAG (San Diego MPO) may join the pooled fund in the next quarter.

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 may be made to focus on documentation and training materials.