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	$163,271	27%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$33,488, 6%	$33,488, 6%	59%

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.):

Public release made 1/8/2019:
Installers and documentation: https://visioneval.org (updated throughout quarter)
Code base: https://github.com/visioneval

Cleanups and fixes to code base are underway.

Pooled Fund TAC meeting, January 31, 2019 to discuss VisionEval Release
Pooled Fund TAC meeting, April 3, 2019 to discuss project and development priorities

Several TAC members and contractor staff participated in a training led by ODOT under another contract, 3/13-14/2019

Coding the Multi-Modal Module into VisionEval was delayed due to technical questions for the original PI, who was unavailable due to travel. These issues have been resolved, and this task is on track for 2019Q2

VisionEval State model was received from previous contractor and incorporated (translation of GreenStep)

Exercised contract option, extending the contract with Cambridge/WSP to 10/16/2019.

Anticipated work next quarter:

Analyze development priorities and initiate coding.
Workshop at the TRB Planning Applications Conference to review use of VisionEval
Refine documentation for installing, setting up and using the models (VERPAT and VERSPM)
Complete incorporation of new Multi-Modal Travel model developed by Liming Wang at Portland State University.
Initiate email list for VisionEval users to discuss the system and seek technical support.

Significant Results:

The transfer of the code base from the AASHTO SHRP 2 deployment contract has been completed. An end-user installer has been created, with public release January 8 2019. VisionEval State model was received and incorporated (translation of GreenStep)

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.