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:** 6/19/2022	**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	$316,490	56%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$16,827 (7%)	$51,639	56%

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.):

Work has resumed at full strength on the contract. The second-to-last contract option was excercised, extending contract work through November 2020. The next option will be submitted for extension in July 2020.

After discussion with the TAC, the Pooled Fund was extended to FY2022 for contributions, and new partners are being solicited. Virginia DOT has made an additional commitment for that period.

Delivered interactive workshop at TRB Annual Meeting in January 2020.

Further Assisted TAC members (Washington State, Virginia, North Carolina) in trying out VisionEval setup, and obtained further feedback on model and component improvement. The North Carolina training scheduled for 3/30/2020 was delayed due to travel restrictions during the COVID-19 pandemic.

Incorporating updates to scenario setup support, changes to RSPM and additional result analysis functions, and multi-modal module developed at Portland State University. Additional work to organize documentation.

TAC meetings: 2/8/2020, 3/10/2020

Anticipated work next quarter:

Major release update to VisionEval (including running under recent R versions 3.6.0 - 4.0.0)
Restructure user documentation and package basic instructions with VisionEval Installer
Complete development of Safety Module.
Provide a binary installer for Macintosh OSX in addition to Windows.
Integrate updates to VEReports (output report processing module) from work being done separately in Oregon and update reporting features
Integrate new scenario management functions
Update VERSPM modules with recent changes from Oregon work
Develop and conduct training workshop for North Carolina and (as requested) other pooled fund members
Continue to work with pooled fund members (notably Virginia and Washington) on pilot implementations (bug fixes, technical support, documentation impovements)
Revisit and finalize contributor review process
Recruit additional participants and identify continuing participants for extended pooled fund.

Significant Results:

Major code updates have been tested and are being analyzed for integration
Updates to documentation (including materials from Jan 2020 TRB 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).

The pooled fund has been extended for two years, and additional participant obligations are being solicited. Virginia has made a commitment to that period. Second-to-last Contract Option was exercised, extending work on the project to November 2020.

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 options have been exercised extending work to CY2020 Q4. An additional separate award is still under consideration (with possible additional funds from the pooled fund extension to FY2022) to focus on documentation and training materials, and to support an in-person peer exchange among the pooled fund participants.