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	0	0

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%	43%

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.):

This quarter included an additional meeting of the TAC and additional email exchanges to refine and prioritize specific initial task requirements for the development contractor. An award to the development contractor was issued July 16, 2018 to Cambridge Systematics Inc. (prime) and WSP (sub). A kl. Virginia DOT is expected to join the pooled fund in 2018 Q3. The contract will implement an Agile Development approach with a 3 month base period (comprising three "sprints") followed by up to four (4) option periods of six months each. The first option was exercised on September 21, 2018, based on successful initiation of an active process. The option is effective October 126, 2018 through March 16, 2019.

Work accomplished through the end of September included establishing the Agile development process, setting up project tracking resources, gaining familiarity with the existing VisionEval code base, and developing use cases and project requirements. User requirements were explored at a peer exchange, September 24, 2018, at which several TAC members were present, as well as representation from CSI/WSP and from the RSG team that is doing separate contracted work on VisionEval for Oregon DOT and AASHTO. Preliminary coordination was performed between the pooled fund contractor and the RSG team.

The VisionEval code base that the pooled fund will develop is located at http://VisionEval.org and in an associated GitHub organization at https://github.com/VisionEval.

Anticipated work next quarter:

Work will continue to create easy installation options for agencies wishing to explore VisionEval, to incorporate independent work done at Portland State on a new VisionEval module, and to merge deliverables from the parallel efforts contracted by ODOT and AASHTO (these are expected to be complete within CY2018 Q4). A presentation of the existing VisionEval system, installation options, and planned development activities will be made to the TAC, November 8, 2018.

Significant Results:

The Agile development process has been launched, and 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.

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. California and Virginia have joined the pooled fund, increasing the overall project budget.

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. An additional award may be made to focus on documentation and training materials.