# 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 | $231,583 | 39% |

***Quarterly*** Project Statistics:

| Total Project Expenses and Percentage This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|---|---|---|
| $51,568 (7%) | $51,568 | 68% |

**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.):**

Updated Public release made 5/24/2019:
Installers and documentation: https://visioneval.org (updated throughout quarter)
Code base: https://github.com/visioneval

Cleanups and fixes to code base and documentation are underway; many bug fixes were made to support a live application of VE-RSPM in Albany, OR. These were included in the 5/24 release.

Pooled Fund TAC meeting, April 3, 2019 to discuss project and development priorities

Established TAC working group (subset of TAC) to provide more interaction with contractor working team; first meeting 6/20. A progress review discussion was held with the pooled fund prime contractor, 6/18.

Several TAC members participated in a workshop event at the Planning Applications Conference, 6/2/2019

A final data issue (missing datasets in the original delivery) was identified in the MultiModal Module and will be resolved in 2019Q3.

**Anticipated work next quarter**:

Finalize Multimodal Module.
Complete technology transfer with a code walkthrough with the AASHTO SHRP 2 contractor to get clarification of difficult parts in the code base
Facilitate development of presentations at a workshop at the NITC/Portland State Transportation Summit, 9/20
Assist TAC members in trying out VisionEval setup, and obtain further feedback on model and component improvement.
Complete use cases and development plan for TAC development priorities.
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:**

VisionEval was tested on a live project (Albany, OR) and significant bug fixes were made.
An updated release was issued 5/24.
VisionEval was presented at a workshop at the Planning Applications Conference, 6/2
Analysis of project development priorities began, and the task backlog was refined and updated.

**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.