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	$542,062	72%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$52,932 (7%)	$52,932	69%

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.):

Prototype Deliverables for Scenario Management Package Updates, and formatting NHTS 2009 for model estimation.
Drafted Validation and Reasonableness Checking Recommendations
Conducted Summit of VE Users (March 2021) and produced notes on findings plus recordings.
Made transition plan for end of First Phase contract (ending 5/18/2021)
Supporting Virginia DOT Pilot Project for VERSPM implementation in Northern Virginia.
Finalized task content for Second Phase Procurement
TAC Executive Group Meeting 3/31/2021
MAPC (Boston Area Planning Commission) joined the pooled fund.
SANDAG (San Diego Association of Governments) is planning to join the pooled fund

Anticipated work next quarter:

First Phase Contract completion 5/18/2021.
Assemble delivered work products for first phase, including VE Summit Notes and Recordings, and code developed for Safety factors, Travel Time Reliability, Scenario Management, and packaging NHTS 2009 for use.
Develop updated VisionEval installer incorporating those deliverables (work performed by FHWA and Volpe Staff)
Complete report on Virginia DOT pilot project (Volpe)
Submit Second Phase contact Purchase Request through FHWA Finance Office (anticipated award in July 2021).

Significant Results:

VE User Summit
Provided technical support to TAC members (VDOT, O(R)DOT and WSDOT)
Completed prototypes for travel time reliability module
Finalized strategy for scenario management module and NHTS 2009 module for re-estimation

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. Two new participants will be joining.

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 all options have been exercised with work on the first phase procurement ending on 5/18/2021 (Q2). The second phase award is under development to make specific additional developments of VisionEval will be awarded early in 2021 Q3. Learning from the first phase implementation, the second phase will procure work for specific task outcomes, each of which will be developed internally using an Agile process.