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(464)	**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: Hydrologic and Hydraulic Software Enhancements (SMS, WMS, Hydraulic Toolbox, and HY-8)		
Name of Project Manager(s): Eric Brown	**Phone Number:** 202-366-4598	**E-Mail** eric.r.brown@dot.gov
Lead Agency Project ID: N/A	**Other Project ID (i.e., contract #):** N/A	**Project Start Date:** October 1, 2020
Original Project End Date: December 31, 2025	**Current Project End Date:** December 31, 2025	**Number of Extensions:** N/A

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
Estimate Pending # Contributors: $500,000	$100,000 (all FHWA funds)	20%

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 and 0%	$0	20%

Project Description:

Perform needed enhancements, feature additions, and maintenance to four FHWA sponsored hydraulic engineering software packages routinely used by State DOTs and their consultants across the Nation. The four applications are: 1) the Surface-water Modeling System (SMS), 2) the Watershed Modeling System (WMS), 3) the Hydraulic Toolbox, and 4) the HY-8 Culvert Hydraulic Analysis Program. The contractor will also create/update the user's guides, help files, and release notes issued with new versions of each software package. New software executable files will be periodically posted to, or linked from the FHWA Hydraulic Engineering Discipline website: https://www.fhwa.dot.gov/engineering/hydraulics/. New software versions will be deployed through webinars, conference presentations, workshops, and training courses. Deployment activities will cover the use of new features and completed maintenance activities.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

The contractor did not perform any software work this quarter. FHWA staff are in the process of initiating a new task order (TO) and obligating State contributions to this TO. New efforts are expected to commence during Quarter 1 of 2022.

Anticipated work next quarter:

FHWA staff will initiate a new TO and form a TAC with State representation to oversee software maintenance and enhancement and development of software features using State funds.

FHWA staff will continue to market the value of this project while seeking additional partners.

Significant Results:

No software work was completed during this quarter.

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 TAC did not identify any challenges or future obstacles that could affect project tasks and ultimate completion.

Potential Implementation:

When appropriate, the TAC anticipates deploying new software versions through a combination of: FHWA website posting, GovDelivery notifications to subscribers, release notes, presentations, and training courses. Future quarterly reports will provide additional details as new software version become ready for release.