

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: \_\_\_\_\_ 1/10/2019 \_\_\_\_\_

Lead Agency (FHWA or State DOT): \_\_\_\_\_ Washington State DOT \_\_\_\_\_

**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.*

<b>Transportation Pooled Fund Program Project #</b> TPF-5(291)		<b>Transportation Pooled Fund Program - Report Period:</b> Quarter 1 (January 1 – March 31)  Quarter 2 (April 1 – June 30)  Quarter 3 (July 1 – September 30)  <b>Quarter 4 (October 1 – December 31)</b>	
<b>Project Title:</b> Development of an SPS-2 Pavement Preservation Experiment			
<b>Name of Project Manager(s):</b> Mustafa Mohamedali	<b>Phone Number:</b> 360.704.6307	<b>E-Mail</b> MohameM@wsdot.wa.gov	
<b>Lead Agency Project ID:</b>	<b>Other Project ID (i.e., contract #):</b> Y11728	<b>Project Start Date:</b> 2013	
<b>Original Project End Date:</b>	<b>Current Project End Date:</b> 12/31/2018*	<b>Number of Extensions:</b> 0	

\* At WSDOT's request, an additional scope of work was requested, primarily to be done in the first half of 2019, with ongoing support throughout the remainder of the Pooled Fund (July 2021); this approval is expected any day  
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
\$420,000 (\$98,713 Agreement Y11728)	\$89,834.22	

**Quarterly Project Statistics:**

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
	\$6,326.95	

**Project Description:**

This pooled fund effort is established to develop a second tier experiment based upon the existing SPS-2 experiment. The objective is to define the proper intervention timing and strategy selections enabling more effective infrastructure management and pavement life extension. In addition, this effort should develop tools for determining strategy selection and pavement life extension for incorporation into pavement and maintenance management systems.

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

During this quarter the following tasks were completed:

- Continued 2018 Tech Day schedule, conducting those in Kansas and North Dakota

TPF-5(291), SPS-2 TECH DAYS			
State	Date	Location	Status
Arizona	2/21/2018	Phoenix	Completed
Colorado	3/23/2018	Denver	Completed
Washington	5/2/2018	Ritzville	Completed
Iowa	5/30/2018	Pleasant Hill	Completed
Kansas	10/2/2018	Abeline	Completed Q4
North Dakota	10/16/2018	Bismark/Fargo	Completed Q4
California	March 2019	TBD	In Development
Ohio	Spring 2019	TBD	In Development
Georgia	Spring 2019	TBD	In Development

Note: Original scope called for four Tech Days, but FHWA LTPP is supporting continuing future Tech Days, and covered the costs of NCE participation in the Kansas Tech Day.

- Continued analyses associated with Task 9.
- Provided additional scope of work at WSDOT's request that includes: refining deterioration rates for actual performance and PaveME predicted performance; utilizing existing performance data to assess multiple parameters (e.g., impact of shoulder type on pavement performance); investigating availability of data from non-LTPP sources; leveraging data from two ongoing LTPP research reports involving SPS-2 projects; assessing and updating previous SPS-2 analyses, and; supporting pooled fund communications.

**Anticipated work next quarter:**

- Continue development and set dates/locations for the California, Ohio, and possibly Georgia Tech Days.
- Complete analyses associated with Task 9 (performance curves, minor report updates).
- Initiate analyses associated with Task 10 (assuming that scope of work is approved), including working to schedule a TAC Meeting (ideally associated with the Georgia Tech Day).

**Significant Results:** The SPS-2 Tech Days continue to be extremely well received and have generated a lot of interest among the new generation of agency, industry, and academia staff.

**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).

**Potential Implementation:**