

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: **7/31/2019**

Lead Agency (FHWA or State DOT): **Washington State Department of Transportation (WSDOT)**

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 # TPF-5(291) - Development of an SPS-2 Pavement Preservation Experiment (Strategic Study of Structural Factors for Rigid Pavements)		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: Development of an SPS-2 Pavement Preservation Experiment			
Name of Project Manager(s): Mustafa Mohamedali PE PMP	Phone Number: 360-704-6307	E-Mail MohameM@wsdot.wa.gov	
Lead Agency Project ID:	Other Project ID (i.e., contract #): Y11728	Project Start Date: 11/1/2015	
Original Project End Date (Mod 4): 7/31/2019	Current Project End Date (Mod 5): 7/30/2021	Number of Extensions (cost + time) 5	

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 (\$203,397 Agreement Y11728 *Mod 5)	\$94,780.34	46%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter*	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date*
1.4%	\$2,768.54	65%

* Based on Mod 5 time and cost extension

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, support a series of SPS-2 Tech Days, and complete several analyses related to SPS-2 Tech Day input.

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

During this quarter the following tasks were completed:

1. Continued Tech Day schedule, conducting one in Ohio

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
North Dakota	10/16/2018	Bismark/Fargo	Completed
California	3/12/19	Stockton/Delhi	Completed
Arkansas	3/19/19	Little Rock	Completed
Ohio	5/22/19	Delaware (OH)	Completed
Georgia	TBD	TBD	In Development

Note: Original scope called for four Tech Days, but FHWA LTPP is helping support continuing future Tech Days

2. Completed analyses associated with Task 9 and began revising the report.
3. Finalized Supplement #5 (developed at WSDOT's request) that included: 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 exploring a Georgia Tech Day.
- Finalize revised report associated with Task 9 activities.
- Initiate analyses associated with Task 10 including working to schedule a TAC Meeting.

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. Articles associated with the Tech Days have either been published or are in the publication process.

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: