

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: _____ 10/12/2020 _____

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.

Transportation Pooled Fund Program Project # TPF-5(291)	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	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:	Current Project End Date: 7/30/2021	Number of Extensions: 1

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)	\$172,627.49	85%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
	\$7,509.35	86%

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 scheduling, noting coordination with Georgia DOT has stalled

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, and FHWA LTPP helped support additional Tech Days

2. Provided the formal work plan and associated fees supporting the additional analyses approved by the TAC
3. Continued work on Task 10 analyses
 - a. Comparing early report findings to current performance (draft report under review)
 - b. Updating the original SPS-2 experimental matrix to reflect as constructed conditions

Anticipated work next quarter:

- Work with WSDOT to execute a modification to perform additional analyses as approved by the TAC.
- Finalize draft documents based on TAC input.
- Complete Task 10 analyses, sharing updated findings.
- Initiate Task 11 analyses.

Significant Results: The SPS-2 Tech Days have been extremely well received and generated a lot of interest among the new generation of agency, industry, and academia staff. Several articles associated with the Tech Days have either been published or are in the publication process. Task 10 analysis activities are identifying topics warranting additional study, and the findings to date are of great interest to both Agencies and Industry.

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).

None, provided the modification is approved prior to the end of calendar year 2020.

Potential Implementation: SPS-2 Tech Days have resulted in several agencies considering performance of SPS-2 design features; the subsequent analyses are expected to further these considerations.