

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: _____ 4/6/2020 _____

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: Y11728	Other Project ID (i.e., contract #): Y11728	Project Start Date: 2013	
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 NCE Contract Agreement)	\$149,610.36	74% of Contracted Amount 35% of Pooled Fund Obligations

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$22,375.89 11% of Contracted Amount	\$22,375.89	

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, coordinating with Georgia DOT

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. Presented the status on TPF-5(291) at the AFD50 Committee Meeting at the annual TRB Meeting
3. Began planning for the April 22, 2020 TAC Meeting (originally in person, modified to web meeting)
4. Continued work on Task 10 analyses
 - a. Deterioration rates (draft report submitted to WSDOT for review)
 - b. Agency survey (draft report to be submitted early Q2)
 - c. Analyzing joint score and ALR impacts (draft report to be submitted early Q2)

Anticipated work next quarter:

- Participate in an FHWA Webinar on the two WSDOT-led TPF studies.
- Update draft documents based on WSDOT input to provide TAC prior to April 22.
- Help facilitate the April 22, 2020 TAC Meeting; highly desired outcome to be direction/concurrence on future activities that can be achieved with the additional unobligated TPF funds and in existing timeline.
- Continue Task 10 analyses, sharing updated findings.

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.

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.

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