# TRANSPORTATION POOLED FUND PROGRAM

QUARTERLY PROGRESS REPORT - Q4/2023

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

#### **INSTRUCTIONS:**

Lead Agency contacts 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.

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oject ID (e.g. contract #)	Program Start Date	
0230016	Sep 2, 2022	
End Date (Original)	Revised Contract End Date	
2026		
	1	
	-5765 -5105 -4955  oject ID (e.g. contract #) 0230016 End Date (Original) 2026	

# **Overall Program Statistics**

Commitments to date \$	Obligations to date \$	% Obligated to date	Contracted to date \$	Expended to date \$	Expended this quarter \$
380,000	180,830	47%	160,000	\$12,902	\$7,739

## **Project Description**

The objective of this pooled fund study is to create a mechanism to allow for rapidly completing forensic evaluations of LTPP sections before going out of service. Test sections that are no longer active, but which have remained unchanged (i.e., no maintenance or rehabilitation has been applied), may also be considered for forensic evaluation. Possible reasons for carrying out the forensic evaluations include: • Determining reasons for poor pavement performance/premature failures • Understanding exceptional pavement performance and/or longevity • Validating pavement performance prediction (predicted vs actual) • Collecting data to support development and/or calibration of pavement performance prediction models • Closing-out or conducting final investigations of experimental test sections. Ultimately, the primary reason for carrying out the evaluations will be to determine if the data contained in the LTPP database adequately explains the performance of the test sections and why they performed as they did. If the existing information is insufficient, then identifying and collecting additional information to inform the performance will be strongly considered.

## Progress this quarter (includes meetings, work plan status, contract status, significant progress, etc.)

The worked performed in each of the tasks specified by the project's scope of work (SOW) is summarized below:

<u>Task 1. Project Management</u>: • Completed preparation of cost proposal for initial work order, which was executed on December 4, 2023 • Prepared and submitted monthly invoices • Prepared and submitted quarterly progress report for the Aug 17 to Sep 30, 2023 period • Completed addition of NCE to the contract in support of the project • Prepared for and participated in October 30, 2023 DBE options virtual meeting • Coordinated project activities with FHWA LTPP Team and its Data Collection Services Contractor (DCSC) • Completed preparation of test section nomination form • Conducted other required project management activities.

<u>Task 2. Test Section Nominations</u>: • Continued to work on identifying LTPP test sections for possible forensic evaluation. Seven test sections were submitted for approval by WSDOT – one in Pennsylvania (42\_1597; to determine if available data adequately explains performance of the test section.) and six in Arizona (04\_02\*\*; to assess key factors influencing performance of test sections). Test section nominations were approved by WSDOT • Began working on preparation of nomination for multiple SPS-2 test section in Kansas.

<u>Task 3a. Desktop Studies</u>: • Commenced forensic desktop evaluations for Pennsylvania and Arizona test sections approved by WSDOT. Significant progress was made on the Pennsylvania test section, with an anticipated completion date of February 2024.

<u>Task 3b. Follow-Up Forensic Investigations</u>: • No work is anticipated under this task until the April to June 2024 reporting period.

Task 4. Final Report: • No work is anticipated under this task until the final months of the project.

## Anticipated work next quarter

The anticipated work to be performed in each of the tasks specified by the project's SOW is summarized below:

<u>Task 1. Project Management</u>: • Start planning next Technical Advisory Committee (TAC) meeting • Prepare and submit monthly invoices • Prepare and submit quarterly progress report for the October 1 to December 31, 2023 period • Continue to perform subcontractor management activities • Continue to coordinate project activities with FHWA LTPP Team and its Data Collection Services Contractor (DCSC) • Conduct other required project management activities.

<u>Task 2. Test Section Nominations</u>: • Continue to work on identifying LTPP test sections for possible forensic evaluation • Continue to prepare and submit test section nomination forms for WSDOT approval for conduct of forensic evaluations.

<u>Task 3a. Desktop Studies</u>: • Continue working on forensic desktop evaluations for Pennsylvania and Arizona test sections approved by WSDOT. It is anticipated that the Pennsylvania test section will be completed in February 2024 • Begin working on desktop evaluations for test section nominations approved by WSDOT.

<u>Task 3b. Follow-Up Forensic Investigations</u>: • No work is anticipated under this task until the April to June 2024 reporting period.

Task 4. Final Report: • No work is anticipated under this task until the final months of the project.

# Significant results

The project technical work did not start in earnest until December 4, 2023, which is when the first work order was executed. Consequently, there are no significant results to present for the reporting period. It is expected, however, this will change in the coming periods based on the findings, conclusions and recommendations generated from the forensic evaluation desktop studies.

**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 project technical effort did not commence in earnest until early December 2023, so there are no technical challenges to report at present (and none are anticipated), which may affect completion of the project. However, as indicated in the previous progress report, while there is enough funding available to give this project a robust start, future progress of work will depend on already committed funds being obligated by partner states to enable the work to continue without a break.

#### **Potential Implementation**

The primary outcome of the test section forensic evaluations will be memoranda documenting the major findings, conclusions, and recommendations, both for each investigation and for the overall project. As with the Stage 1 effort (TPF-5(332)), it is anticipated numerous important findings will be made as a direct result of the forensic evaluations, which will directly affect and therefore improve the LTPP database and will advance knowledge in the pavement community.