**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: \_\_\_\_\_\_4/12/2017\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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.*

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| **Transportation Pooled Fund Program Project #**  *SPR-3(098)* | | **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:**  **Pavement Reconstruction Scheduling Software** | | | |
| **Name of Project Manager(s):**  **Lu Saechao** | **Phone Number:**  **360.705.7260** | | **E-Mail**  saechal@wsdot.wa.gov |
| **Lead Agency Project ID:** | **Other Project ID (i.e., contract #):**  **GCA2103-03**  **DP01232, Y9381, K759** | | **Project Start Date:**  2000 |
| **Original Project End Date:** | **Current Project End Date:**  **12/31/2016** | | **Number of Extensions:** |

Project schedule status:

□ On schedule ☒ On revised schedule □ Ahead of schedule □ Behind schedule

Overall Project Statistics:

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| **Total Project Budget** | **Total Cost to Date for Project** | **Percentage of Work**  **Completed to Date** |
| $2,021,393.97 | $2,021,393.97 | 100% |

***Quarterly*** Project Statistics:

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| --- | --- | --- |
| **Total Project Expenses**  **and Percentage This Quarter** | **Total Amount of Funds**  **Expended This Quarter** | **Total Percentage of**  **Time Used to Date** |
|  | $13,300 |  |

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| **Project Description**:  To develop a software simulation tool which can be used to consider pavement design options along with construction scheduling, resource constraints, traffic management, and user-delays. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  During this period Pavia Systems completed the final task (Training Delivery – Training awareness and scheduling):   * Preparation of user guides for training * Setup of user accounts and demonstration project data * Conducted 2 introductory sessions for Caltrans in Sacramento, CA * Conducted virtual session in CA to Caltrans traffic personnel * Conducted 1 introductory session in Washington for WSDOT   Pavia and UCB finalized the copyright agreement, use of existing code as reference in the version under development by Pavia and application name change from CA4PRS to Rapid Road Rehabilitation (R3). |
| **Anticipated work next quarter**:  There are no remaining activities on this contract. The pooled project is complete and will be closed out. |

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| **Significant Results:**  The Rapid Road Rehabilitation web application is available as well as online training via <https://rapidroadrehab.headlight.paviasystems.com/>  Rapid Road Rehabilitation is a set of applications facilitating the analysis of scheduling, traffic, and costs for highway projects. Developed by Pavia Systems, R3 is a suite of scoping tools based on the research behind CA4PRS, originally developed in 1999 by E.B. Lee from the University of California at Berkeley. |
| **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).** |

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| **Potential Implementation:**  The CA4PRS/Rapid Road Rehabilitation (R3) software is being used in multiple states. |