**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: \_\_\_\_\_\_7/28/2016\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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:**  **6/30/2016** | | **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 | $2,000,113.97 | 99% |

***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** |
|  | $44,870.00 |  |

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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 the Pavia Systems focused on completing tasks in two significant areas: (1) updating and deploying CA4PRS online (Task 3), and (2) completing the training material development (Task 4).  As a part of those activities, the project team completed the abstraction of the schedule simulations models and configured all existing project schedule delivery types within the web application. Complementary to this, the project team completed the tool tips, best practices, validation notifications, and training guidance for each of the scheduling analysis scenarios to ensure the user understands the inputs, what is typical, and the results.  The project team also performed unit testing and validation of the model using sample data from the existing CA4PRS program to verify model accuracy.  Finally, the team developed an awareness presentation and delivered to several groups at Caltrans to identify further training engagements (Task 5) to be performed this upcoming reporting period.  In addition, the contract was modified to extend the end date to December 31, 2016 in order to accommodate the training deployment with Caltrans.  Pavia Systems continued to work with UCB to resolve some of the legacy software issues pertaining to copyright of the older version of the program. |
| **Anticipated work next quarter**:  Finalize the copyright agreement with UCB over naming of application and use of existing code as reference.  Deploy on-site training (Task 5) to several districts in California (potential candidates include D4, D5, D12). The training sessions are anticipated to be scheduled in July and August. The plan is to complete Task 5 by September and then close out the pooled fund. |

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| **Significant Results:**  CA4PRS version 3.0 of the software is available as well as online training. |
| **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 software is being used in multiple states. |