**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): \_\_Washington State Department of Transportation\_\_\_\_\_\_

**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 #***(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)*TPF-5(181) | **Transportation Pooled Fund Program - Report Period:**XQuarter 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:****Transportation Research Program Management Database** |
| **Name of Project Manager(s):****Tim Carlile** | **Phone Number:****(360) 705-7975** | **E-Mail**carlilt@wsdot.wa.gov |
| **Lead Agency Project ID:** | **Other Project ID (i.e., contract #):** | **Project Start Date:**December 2009 |
| **Original Project End Date:****July 2012** | **Current Project End Date:****December 2016** | **Number of Extensions:**1 |

Project schedule status:

□ On schedule X 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** |
| $861,000 | $562,774.34 | 80% |

***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** |
| $6,735.68 1% | $6,735.68 1% | Over 75% |

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| **Project Description**:Originally, the RPMD was planned to modify the California Department of Transportation(Caltrans) Research Program Management Database (RPMD) in FileMaker Pro to: 1 ) accommodate the system modifications needed for implementation by the Washington State Department of Transportation (WSDOT), 2) identify the needs and proposed modifications for participating states, and 3) enhance the RPMD to add new functions to meet additional research program management business needs of participating states, including management of the Transportation Pooled Fund (TPF) Module. Item (1) was completed, and the system has been implemented by WSDOT.Item (2) was completed along with item (1), and the system is available for use by participating states.Item (3) was at one point put on hold, due to concerns and new circumstances within Caltrans. The scope was thenrefocused to emphasize the straight conversion of the RPMD from FileMaker Pro to a web based format without alteration of the database. After a period of time working on the web based format, the decision was made to stop work on this web based effort.After consultation with the TAC, the decision was made to utilize the remaining TPF-5(181) funds on a forth research database effort. That effort is now underway, and described below:Task (4):Compare the Research Project Management Databases being used around the country by State DOTs and develop a “Best Practices” white paper outlining what elements should be included in a project database for states wanting to move to a new system in the future and/or the development of a national online RPMD system. A kickoff meeting has been held and we have contacted the individuals at the state DOTs to ask that they provide a copy of their database so that we can begin analyzing them. Not all states have a project management (PM) database and not all that do have a PM database are able or willing to share the database. Out of the 50 states, approximately 35 have been able to provide us with some information around their database. Once the individual state DOT database entities have been broken down and documented on a spreadsheet and the table relationships have been recorded, we can then begin to draw comparisons among the DOT databases. Different analysis tools need to be investigated and it is likely that a graphical representation of the data will be needed to make sense of the many pieces that make up the databases. Many risks exist in this project including a lack of analysis tools, the scope of the endeavor and the ability of states to work with us in explaining their databases. Once the analysis is complete, we will make statements about the database relationships and provide a presentation to the TAC. This effort, along with timeframe estimates, can viewed in the posted PDF document titled “Timelines”. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**This quarter, we continued to collect updated data bases and schemas from states. We also continued analyzing and deconstructing the databases and the database relationships. We prepared a presentation that will be given to the TAC.It is believed this data will useful to develop an AASHTOWARE database for research programs.  |
| **Anticipated work next quarter**:The next quarter we will continue the work on to collect updated data bases and schemas from states. We will alsoprepare the data for creating the model database. We have a meeting with the TAC scheduled for April 6, 2015. The upcoming work schedule will be determined at that time. |

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| **Significant Results:**We now have a snapshot of the database schemas of 35 states. This information is vital to determining the state needs for research program project databases. |
| **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 at this time. |

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| **Potential Implementation:** Once this work is complete, it will provide states with valuable information in order to implement or modify their researchprogram management database, and can be the basis for an AASHTOWARE database or a different state solution. |