**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 (284) | **Transportation Pooled Fund Program - Report Period:**□Quarter 1 (January 1 – March 31)□Quarter 2 (April 1 – June 30)□Quarter 3 (July 1 – September 30)□XXQuarter 4 (October 1 – December 31) |
| **Project Title:****Near Road Air Quality Research** |
| **Name of Project Manager(s):****Jon Peterson** | **Phone Number:****360 705-7499** | **E-Mail**peterjn@wsdot.wa.gov |
| **Lead Agency Project ID:** | **Other Project ID (i.e., contract #):** | **Project Start Date:**September 2013 |
| **Original Project End Date:****December 2018** | **Current Project End Date:****June 30, 2019** | **Number of Extensions:** |

Project schedule status:

XX□ 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** |
| 1,020,000 |  |  |

***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** |
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| **Project Description**:The Tasks described in the study plan are underway. Progress on the project is on schedule and budget. Please contact RJon Jon Peterson (360) 705-7499 if there are any questions or our technical monitor and air quality specialist Karin Landsbergat (360)705-7491 or landsbk@wsdot.wa.govWe are continuing to look for other interested partners in this project.  |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):*** TO 1 – Prepared draft article on Denver and Indianapolis case study.
* TO 2 – Developed CAL3QHCR inputs for Indianapolis analysis. Conducted CAL3QHCR and AERMOD simulations, analyzed and compared results of multiple the analyses to evaluate scenario differences and characterize key emissions processes. Analyzed uncertainty in ambient measurements. Prepared and presented webinar of results to date for partners. Resumed work on Providence analysis, which will be used to support and expand upon the findings from the Indianapolis study.
* TO 3 – Synthesized and summarized the survey results regarding perceived sources of uncertainty in PM hot-spot analysis. Collected three years PM data for all sites. Completed analysis of near-road increment using 5 methods. Conducted statistical analysis and analyzed how increment varied with multiple parameters. Determined spread of concentration by metropolitan area. Presented findings to partners via webinar in December.
 |
| **Anticipated work next quarter**:The contractor will wrap up the Providence analysis and compare findings with Indianapolis study (TO 2), conclude data fusion and background analysis (TO 3), draft reports and papers on these tasks and summary documentation, and prepare for workshop with partners in late March. The project is scheduled to end June 30, 2019. |

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| **Significant Results:** |
| **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:**  |