**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: April 26, 2016

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(343) Roadside Safety Research for MASH  Implementation | | **Transportation Pooled Fund Program - Report Period:** □Quarter 1 (January 1 – March 31) **XX**  □Quarter 2 (April 1 – June 30)  □Quarter 3 (July 1 – September 30)  □Quarter 4 (October 1 – December 31) | |
| **Project Title:**  Roadside Safety Research Program | | | |
| **Name of Project Manager(s):**  **Andrew Beagle** | **Phone Number:**  **360-705-7978** | | **E-Mail**  beaglea@wsdot.wa.gov |
| **Lead Agency Project ID:**  **N/A** | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  2016 |
| **Original Project End Date:** | **Current Project End Date: 2020** | | **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** |
| $570,000 (currently) | TBD | 0% |

***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** |
| 0 | 0 | 0 |

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| **Project Description**:  The Roadside Safety Research for MASH Implementation program is designed to conduct research on roadside safety priorities for research projects aligned with the MASH implementation completion schedule. The compliance dates for MASH roadside safety hardware are:  • December 31, 2017: W-beam barriers and cast-in-place concrete barriers  • June 30, 2018: W-beam terminals  • December 31, 2018: Cable barriers, cable barrier terminals, crash cushions  • December 31, 2019: Bridge rails, transitions, all other longitudinal barriers (including portable barriers installed permanently), all other terminals, sign supports, and other breakaway hardware.  • Also, temporary work zone devices, including portable barriers, manufactured after December 31, 2019, must have been successfully tested to the 2015 edition of MASH.  Washington State Department of Transportation is the lead agency for this study. Texas A&M Transportation Institute (TTI) will conduct the research for the funded projects. A technical committee made up of a representative from each participating state will manage the program. TTI will report to and work under the guidance of the technical committee. Pooled fund contributions will be used to pay for travel expenses for a state representative to attend the annual pooled fund meeting.  The pooled fund research program will identify, analyze, and develop solutions for roadside safety problems with the goal of reducing the tremendous loss of life that occurs on our highways each year as a result of roadway departure crashes. Specific research activities addressed within the program will include the design, analysis, testing, and evaluation of roadside safety hardware, and the development of guidelines for the use, selection, and placement of these features.  Research problem statements will be developed by participating member state representatives. The members will rank and select specific projects to be funded each fiscal year. Additionally, member states may independently develop and fund research projects through the Roadside Safety Pooled Fund Program through a reimbursable agreement with Washington DOT.  The Roadside Safety Committee invites other state DOT’s to join this collaborative research effort by making modest contributions to the pooled fund and participating in the development of the research inquiries. States that are interested in joining this collaborative research effort should contact Andrew Beagle at (360) 705-7978. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  Initial meetings have been held between WSDOT and TTI planning the study plan and prepare for the first technical meeting. Master agreement with TTI is in place for work to initiate, but awaiting obligation transfers to begin the first project “MASH Coordination Effort” which will identify a recommended study plan in line with common hardware used by states and to help guide the Roadside Technical Committee for their upcoming project selection meeting in Fall 2017. |
| **Anticipated work next quarter**:  Website development for pooled fund (this will adapt the previous website used for TPF-5(114) <http://www.RoadsidePooledFund.org> to this pooled fund).  Begin study “MASH Coordination Effort”. |

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| **Significant Results:**  TBD |
| **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).**  No issues at this time. |

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| **Potential Implementation:**  Expect many research project inquires to result in modified designs which have been accepted by FHWA. |